EUROSPINE
Spring Specialty Meeting
02–03 May 2019
Radisson Blu Hotel, Frankfurt am Main, Germany

Topic: Highly Complex Spine Surgery

Final Programme

www.eurospinemeeting.org/frankfurt2019
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Dear members,
Dear colleagues, guests and friends,

It is our pleasure and a great honour to welcome you to the EUROSPINE Spring Specialty Meeting 2019 in Frankfurt, the beautiful and world famous city of trade and commerce in the centre of Germany.

EUROSPINE as the largest spine society in Europe with its constantly growing number of members gives us the opportunity to continuously expand the horizon of knowledge and research with regards to excellent spine care. During our Spring Meeting more than hundred participants from many countries will gather with their colleagues to exchange knowledge, skills and the latest advances in research and clinical findings in order to improve our patients' treatment and ensure the best of spine care possible.

This EUROSPINE Spring Meeting 2019 dealing with “Highly Complex Spine Surgery” will take place in cooperation with our local friends from the German Spine Society (DWG) and our international cooperation partners AOSpine and the Scoliosis Research Society (SRS). Together we have designed a programme for you bringing worldwide recognised experts together that will share their “Tips and Tricks” for complex spinal surgery with you.

Besides we keep a very diversifying entertainment programme ready, combined with the possibility of establishing new contacts and deepen the existing. Enjoy the local attractions such as multiple museums and ancient history of the beautiful city in the heart of Europe.

As we are really excited and look forward to sharing the following days with you hoping that you will enjoy networking and learning about the best in spine, all that is left for us is to once again welcome you all in Frankfurt to our EUROSPINE Spring Specialty Meeting.

Your local hosts,

Frank Kandziora, Thomas Blattert & Bernhard Meyer
<table>
<thead>
<tr>
<th>Time</th>
<th>Thursday, 02 May 2019</th>
<th>Friday, 03 May 2019</th>
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<tbody>
<tr>
<td>08:15–08:30</td>
<td>Welcome</td>
<td>08:30–10:15</td>
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<tr>
<td>08:30–10:15</td>
<td>1. DWG / EUROSPINE: Spine tumours</td>
<td>5. EUROSPINE / SRS: Paediatric deformity</td>
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<td>10:15–10:45</td>
<td>Coffee Break</td>
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<td>10:45–12:30</td>
<td>2. EUROSPINE / AOSpine: Cervical trauma</td>
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<td>12:30–14:00</td>
<td>Lunch Break</td>
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<td>14:00–15:45</td>
<td>3. AOSpine / EUROSPINE: Thoracolumbar trauma</td>
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<td>15:45–16:15</td>
<td>Coffee Break</td>
<td>15:45–16:15</td>
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<td>16:15–18:00</td>
<td>4. EUROSPINE / SRS: Adult deformity</td>
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<td>18:30–22:00</td>
<td>Congress Evening (at own expense)</td>
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<td>16:15–18:00</td>
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Scientific Programme
Thursday, 02 May

08:15–08:30 □ Welcome
Frank Kandziora, Thomas Blattert, Bernhard Meyer

08:30–10:15 □ 1. DWG / EUROSPINE: Spine tumours
Moderators: Bernhard Meyer, München, Germany
Dominique Rothenfluh, Oxford, UK

08:30 □ Transoral/Transnasal spinal tumours resection – Tips and tricks. (EUROSPINE)
Bernhard Meyer, München, Germany

08:45 □ En-bloc spondylectomy – Tips and tricks. (DWG)
Ulf Liljenqvist, Münster, Germany

09:00 □ En-bloc sacrectomy – Tips and Tricks. (EUROSPINE)
Dominique Rothenfluh, Oxford, UK

09:15 □ Kypho-IORT for spinal metastasis. Combining intraoperative radiotherapy and kyphoplasty. (DWG)
René Schmidt, Göppingen, Germany

09:30 □ 1st case
Ulf Liljenqvist, Münster, Germany

09:40 □ Discussion
Ulf Liljenqvist, Münster, Germany

09:50 □ 2nd case
René Schmidt, Göppingen, Germany

10:00 □ Discussion
René Schmidt, Göppingen, Germany

10:15–10:45 □ COFFEE BREAK

10:45–12:30 □ 2. EUROSPINE / AOspine: Cervical trauma
Moderators: Frank Kandziora, Frankfurt, Germany
Lorin Bennecker, Bern, Switzerland

10:45 □ Osteosynthesis of unstable atlas fractures – Tips and tricks. (EUROSPINE)
Frank Kandziora, Frankfurt, Germany

11:00 □ Failed odontoid screw fixation – Tips and tricks how to revise. (AOspine)
Lorin Bennecker, Bern, Switzerland

11:15 □ Surgical treatment of irreducible facet joint dislocation – Tips and tricks. (AOspine)
Matti Scholz, Frankfurt, Germany
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>11:30</td>
<td>C-spine fractures in ankylosing spondylitis – Tips and tricks for positioning and surgical treatment. (EUROSPINE)&lt;br&gt;<strong>Hossein Mehdian, London, UK</strong></td>
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<tr>
<td>11:45</td>
<td>1st case&lt;br&gt;<strong>Lorin Bennecker, Bern, Switzerland</strong></td>
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<tr>
<td>11:55</td>
<td>Discussion&lt;br&gt;<strong>Lorin Bennecker, Bern, Switzerland</strong></td>
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<td>12:05</td>
<td>2nd case&lt;br&gt;<strong>Hossein Mehdian, London, UK</strong></td>
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<tr>
<td>12:15</td>
<td>Discussion&lt;br&gt;<strong>Hossein Mehdian, London, UK</strong></td>
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<td>12:30–14:00</td>
<td>LUNCH BREAK</td>
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<td>14:00–15:45</td>
<td>3. AOSpine / EUROSPINE: Thoracolumbar trauma&lt;br&gt;<strong>Moderators:</strong> Klaus Schnake, Fürth, Germany&lt;br&gt;Lorin Bennecker, Bern, Switzerland</td>
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<tr>
<td>14:00</td>
<td>Controversies in thoracolumbar burst fracture management. (AOSpine)&lt;br&gt;<strong>Lorin Bennecker, Bern, Switzerland</strong></td>
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<tr>
<td>14:15</td>
<td>Reconstruction of traumatic dura disruption – duty or optional? (EUROSPINE)&lt;br&gt;<strong>Claudius Thomé, Innsbruck, Austria</strong></td>
</tr>
<tr>
<td>14:30</td>
<td>Osteoporotic burst fractures – Realignment to normal or in situ fixation? (EUROSPINE)&lt;br&gt;<strong>Klaus Schnake, Fürth, Germany</strong></td>
</tr>
<tr>
<td>14:45</td>
<td>Posttraumatic kyphosis in the thoracolumbar junction: Osteotomy or 360° correction? (AOSpine)&lt;br&gt;<strong>Ufuk Aydinli, Bursa, Turkey</strong></td>
</tr>
<tr>
<td>15:00</td>
<td>1st case&lt;br&gt;<strong>Lorin Bennecker, Bern, Switzerland</strong></td>
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<td>15:10</td>
<td>Discussion&lt;br&gt;<strong>Lorin Bennecker, Bern, Switzerland</strong></td>
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<td>15:20</td>
<td>2nd case&lt;br&gt;<strong>Ufuk Aydinli, Bursa, Turkey</strong></td>
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<tr>
<td>15:30</td>
<td>Discussion&lt;br&gt;<strong>Ufuk Aydinli, Bursa, Turkey</strong></td>
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<td>15:45–16:15</td>
<td>COFFEE BREAK</td>
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### 4. EUROSPINE / SRS: Adult deformity

**Moderators:**  
- Michael Grevitt, Nottingham, UK  
- Ferran Pellisé, Barcelona, Spain

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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| 16:15  | Surgical treatment of M. Scheuermann kyphosis – Tips and tricks. (EUROSPINE)  
*Michael Grevitt, Nottingham, UK* |
| 16:30  | Reconstruction of adult lumbar deformity – How much lordosis do we need? (EUROSPINE)  
*Ferran Pellisé, Barcelona, Spain* |
| 16:45  | Lumbar osteotomies in ankylosing spondylitis – Tips and tricks. (EUROSPINE)  
*Marco Teli, Liverpool, UK* |
| 17:00  | Osteotomy in the cervical spine – Tips and tricks. (EUROSPINE)  
*Ibrahim Obeid, Bordeaux, France* |
| 17:15  | 1\textsuperscript{st} case  
*Marco Teli, Liverpool, UK* |
| 17:25  | Discussion  
*Marco Teli, Liverpool, UK* |
| 17:35  | 2\textsuperscript{nd} case  
*Ibrahim Obeid, Bordeaux, France* |
| 17:45  | Discussion  
*Ibrahim Obeid, Bordeaux, France* |
| 18:30–22:00 | **CONGRESS EVENING**  
(At own expense)  
see page 19 |
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Moderators</th>
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<tbody>
<tr>
<td>08:30–10:15</td>
<td>5. EUROSPINE / SRS: Paediatric deformity</td>
<td>Claudio Lamartina, Milano, Italy</td>
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<td>Bernhard Meyer, München, Germany</td>
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<tr>
<td>08:30</td>
<td>Hemivertebra resection – Tips and tricks. (EUROSPINE)</td>
<td>Tamás Fekete, Zürich, Switzerland</td>
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<tr>
<td>08:45</td>
<td>Surgical treatment of spondyloptosis – Tips and tricks. (EUROSPINE)</td>
<td>Claudio Lamartina, Milano, Italy</td>
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<tr>
<td>09:00</td>
<td>Growing rods – how to avoid complications? Tips and tricks. (EUROSPINE)</td>
<td>Juliane Koller, Bad Endorf, Germany</td>
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<tr>
<td>09:15</td>
<td>Surgical treatment of early onset scoliosis – Tips and tricks. (EUROSPINE)</td>
<td>Rolf Stücker, Hamburg, Germany</td>
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<tr>
<td>09:30</td>
<td>1st case</td>
<td>Tamás Fekete, Zürich, Switzerland</td>
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<td>09:40</td>
<td>Discussion</td>
<td>Tamás Fekete, Zürich, Switzerland</td>
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<tr>
<td>09:50</td>
<td>2nd case</td>
<td>Juliane Koller, Bad Endorf, Germany</td>
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<tr>
<td>10:00</td>
<td>Discussion</td>
<td>Juliane Koller, Bad Endorf, Germany</td>
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<td>10:15–10:45</td>
<td>COFFEE BREAK</td>
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<td>10:45–12:30</td>
<td>6. EUROSPINE / DWG: Juxta-dural pathologies</td>
<td>Peter Vajkoczy, Berlin, Germany</td>
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<td>Bernhard Meyer, München, Germany</td>
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<td>10:45</td>
<td>Surgical treatment of Arnold Chiari malformation – Tips and tricks. (DWG)</td>
<td>Peter Vajkoczy, Berlin, Germany</td>
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<td>11:00</td>
<td>Surgical treatment of Dumbbell tumours – Tips and tricks. (EUROSPINE)</td>
<td>Maria Wostrack, München, Germany</td>
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<td>11:15</td>
<td>Surgical treatment of posttraumatic syringomyelia – Tips and tricks. (DWG)</td>
<td>Claudius Thomé, Innsbruck, Austria</td>
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<td>11:30</td>
<td>Surgical treatment of intradural tumours – Tips and tricks. (EUROSPINE)</td>
<td>John Duff, Lausanne, Switzerland</td>
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<td>11:45</td>
<td>1st case</td>
<td>Claudius Thomé, Innsbruck, Austria</td>
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<td>11:55</td>
<td>Discussion</td>
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<td><em>Claudius Thomé, Innsbruck, Austria</em></td>
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<td>12:05</td>
<td>2nd case</td>
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<td><em>John Duff, Lausanne, Switzerland</em></td>
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<td>Discussion</td>
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<td><em>John Duff, Lausanne, Switzerland</em></td>
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<td>12:30–14:00</td>
<td><strong>LUNCH BREAK</strong></td>
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<td>14:00–15:45</td>
<td><strong>7. EUROSPINE / DWG: Degenerative cervical</strong></td>
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<td><em>Moderators: Çagatay Öztürk, Istanbul, Turkey</em></td>
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<td><em>Sebastian Ruetten, Herne, Germany</em></td>
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<td>14:00</td>
<td>Endoscopic disc surgery – Tips and tricks. (DWG)</td>
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<td><em>Sebastian Ruetten, Herne, Germany</em></td>
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<td>14:15</td>
<td>TDR in cervical myelopathy? (EUROSPINE)</td>
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<td><em>Çagatay Öztürk, Istanbul, Turkey</em></td>
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<td>14:30</td>
<td>Vertebral artery bleeding – how to handle? (DWG)</td>
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<td><em>Florian Ringel, Mainz, Germany</em></td>
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<td>14:45</td>
<td>Failed multilevel ACDF - Realignment of the cervical spine – Tips and tricks. (EUROSPINE)</td>
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<td><em>Baoge Liu, Beijing, China</em></td>
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<td>15:00</td>
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<td><em>Florian Ringel, Mainz, Germany</em></td>
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<td>15:10</td>
<td>Discussion</td>
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<td></td>
<td><em>Florian Ringel, Mainz, Germany</em></td>
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<td>15:20</td>
<td>2nd case</td>
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<td><em>Baoge Liu, Beijing, China</em></td>
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<td>15:45–16:15</td>
<td><strong>COFFEE BREAK</strong></td>
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<td>16:15–18:00</td>
<td><strong>8. DWG / EUROSPINE: Degenerative thoracolumbar</strong></td>
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<td><em>Moderators: Jean-Charles Le Huec, Bordeaux, France</em></td>
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<td><em>Luca Papavero, Hamburg, Germany</em></td>
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<td>16:15</td>
<td>Endoscopic lumbar decompression for stenosis – Tips and tricks. (DWG)</td>
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<td><em>Christoph Siepe, München, Germany</em></td>
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<td>16:30</td>
<td>Surgical treatment of thoracic myelopathy due to OLF – Tips and tricks. (EUROSPINE)</td>
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<td><em>Selcuk Palaoğlu, Ankara, Turkey</em></td>
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<td>16:45</td>
<td>Surgical treatment of thoracic calcified disc herniation – Tips and tricks. (DWG)</td>
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<td><em>Luca Papavero, Hamburg, Germany</em></td>
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17:00  Sagittal profile in the elderly – how much reconstruction is necessary? (EUROSPINE)
Jean-Charles Le Huec, Bordeaux, France

17:15  1st case
Christoph Siepe, München, Germany

17:25  Discussion
Christoph Siepe, München, Germany

17:35  2nd case
Selcuk Palaoğlu, Ankara, Turkey

17:45  Discussion
Selcuk Palaoğlu, Ankara, Turkey
# List of Invited Faculty

<table>
<thead>
<tr>
<th>Name</th>
<th>Location, Country</th>
<th>Affiliation</th>
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<tbody>
<tr>
<td>Ufuk Aydinli</td>
<td>Bursa, Turkey</td>
<td>Orthopedic Surgery and Traumatology</td>
</tr>
<tr>
<td>Lorin Bennecker</td>
<td>Bern, Switzerland</td>
<td>Inselspital Bern, DOPH, Spine Surgery</td>
</tr>
<tr>
<td>Thomas Blattert</td>
<td>Schwarzach, Germany</td>
<td>Schwarzach Orthopedic Clinic</td>
</tr>
<tr>
<td>John Duff</td>
<td>Lausanne, Switzerland</td>
<td>Clinique de Genolier</td>
</tr>
<tr>
<td>Tamás Fekete</td>
<td>Zürich, Switzerland</td>
<td>Spine Unit, Schulthess Klinik</td>
</tr>
<tr>
<td>Michael Grevitt</td>
<td>Nottingham, UK</td>
<td>Nottingham University Hospitals</td>
</tr>
<tr>
<td>Frank Kandziora</td>
<td>Frankfurt, Germany</td>
<td>Center for Spinal Surgery and Neurotraumatology, BG Unfallklinik</td>
</tr>
<tr>
<td>Juliane Koller</td>
<td>Bad Endorf, Germany</td>
<td>Schön Klinik Vogtareuth</td>
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<tr>
<td>Claudio Lamartina</td>
<td>Milano, Italy</td>
<td>Istituto Ortopedico Galeazzi</td>
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<tr>
<td>Jean-Charles Le Huec</td>
<td>Bordeaux, France</td>
<td>Bordeaux University Hospital</td>
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<tr>
<td>Ulf Liljenqvist</td>
<td>Münster, Germany</td>
<td>St. Franziskus Hospital Münster</td>
</tr>
<tr>
<td>Baoge Liu</td>
<td>Beijing, China</td>
<td>Beijing Tiantan Hospital, Capital Medical University</td>
</tr>
<tr>
<td>Hossein Mehdian</td>
<td>London, UK</td>
<td>Private Practice</td>
</tr>
<tr>
<td>Bernhard Meyer</td>
<td>München, Germany</td>
<td>Department Of Neurosurgery, Klinikum Rechts Der Isar, Technische Universität München</td>
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<tr>
<td>Ibrahim Obeid</td>
<td>Bordeaux, France</td>
<td>Bordeaux University Hospital</td>
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<tr>
<td>Çagatay Öztürk</td>
<td>Istanbul, Turkey</td>
<td>Liv Spine Center, Istinye University Medical School Istanbul</td>
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<tr>
<td>Selcuk Palaoğlu</td>
<td>Ankara, Turkey</td>
<td>Acibadem Ankara Hospital</td>
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<tr>
<td>Luca Papavero</td>
<td>Hamburg, Germany</td>
<td>Clinic For Spine Surgery, Schoen Clinic Hamburg Eilbek</td>
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<tr>
<td>Avelino Parajon</td>
<td>Madrid, Spain</td>
<td>Head Spine Section, Dept. Neurosurgery, H. Univ Ramon Y Cajal</td>
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<tr>
<td>Ferran Pellisé</td>
<td>Barcelona, Spain</td>
<td>Spine Unit Hospital Vall Hebron</td>
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<tr>
<td>Florian Ringel</td>
<td>Mainz, Germany</td>
<td>Department Of Neurosurgery, University Medical Center Mainz</td>
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<td>Dominique Rothenfluh</td>
<td>Oxford, UK</td>
<td>University of Oxford</td>
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<td>Sebastian Ruetten</td>
<td>Herne, Germany</td>
<td>Wirbelsäulenchirurgie, St. Anna Hospital</td>
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<tr>
<td>René Schmidt</td>
<td>Göttingen, Germany</td>
<td>Orthopädisch-Unfallchirurgisches Zentrum</td>
</tr>
<tr>
<td>Klaus Schnake</td>
<td>Fürth, Germany</td>
<td>Center for Spine and Scoliosis Therapy</td>
</tr>
</tbody>
</table>
Matti Scholz, Frankfurt, Germany, Center For Spinal Surgery And Neurotraumatology, BG Unfallklinik Frankfurt am Main GmbH

Christoph Siepe, München, Germany, Schön Clinic Munich Harlaching; Spine Center

Ralf Stücker, Hamburg, Germany, Kinderkrankenhaus Hamburg-Altona

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Peter Vajkoczy, Berlin, Germany, Charité, Neurochirurgie

Maria Wostrack, München, Germany, Department Of Neurosurgery, Klinikum Rechts Der Isar, Technische Universität München
Guidelines for Speakers and Chairpersons

We are grateful for your participation in the programme of EUROSPINE’s Spring Specialty Meeting 2019 in Frankfurt!

Timing of session
In order to keep the sessions running to schedule and allow questions from the audience it is very important to keep the presentations within the allotted time. We strongly recommend speakers to ensure that their presentation does not exceed the allotted time as we expect the chairperson to strictly adhere to the timetable. Stopping a speaker from completing a presentation is very embarrassing for everybody concerned and hopefully will not be necessary if everyone respects this requirement.

Conflict of interest
EUROSPINE is committed to avoiding potential conflicts of interest: any financial relationship between the speaker/chairperson and a company manufacturing or distributing a product must be disclosed and openly shared. Conflicts of interest need to be disclosed for each author during the upload of your presentation. Presentations that do not fulfil this prerequisite cannot be shown. During the presentation/discussion, open publicity or unfair and/or unsupported information for products/organisations/business should be avoided. Commercial logos or photographs should not be used (other than in the designated industry workshops).

Presentation material
Please note that only digital material will be accepted for oral presentations. Speakers may submit their presentation material online prior to the congress by e-mail to eurospine-spring@mondial-congress.com. The presentations will be transferred to the session rooms electronically. The material remains the property of the speakers. Please note that the use of own notebooks and presentation equipment is not permitted. Speakers are requested to bring/check their presentation with the presentation technician at the latest during the coffee break preceding their scheduled presentation, even if they have already sent their presentation by e-mail prior to the meeting.

Onsite presentation upload procedure
- Please bring your presentation on a USB drive and hand it to the technician in the session room.
- Presentations can be checked in presenter mode onsite.

Technical specifications
- Data carriers: Please use one of the following data carriers: USB stick, external hard disk. The presentation should not be saved solely on a notebook, hand held (PDA’s), or similar.
- PowerPoint versions that can be used are: 2003, 2007, 2010 and 2013. Save your Power-Point presentation as “.pptx”, “.ppt” or “.pps”. Do not use the “pack&go” function. Please make sure that all movie files are saved separately on the data carrier.
- For embedded movies please use “mpeg1”, “mpeg2”, “wmv” or “avi”. For best replay ability please use only common and widespread video encodings (codecs), preferably in their newest version.
- File size: The size of one presentation should not exceed 500 MB.
- For images use “.jpeg”/“.jpg” or “.gif” formats. Please be aware that Office 2007 and newer does compress images by default, which may lead to reduced image quality. Disable image compression before saving/inserting images, to prevent this.
- Please use 16:9 as presentation format.
- Flash-animations are not supported. Should they be essential to your presentation please contact the EUROSPINE Office.
- All files should be in the same folder. Files not included in the presentation (movies...) should be named numerical in ascending order (e.g.: 1.mpg, 2.bmp, 3.wmv, 4.jpg...).
- Do not use any passwords or encryption for your files.
- Do not use Macros within your presentation.
- We recommend using default fonts like Calibri, Arial, Verdana or Times New Roman only. If you have to use other fonts, please make sure that they are saved as ‘embedded fonts’ in the presentation (when saving the file proceed as follows: ‘save as’; ‘name of presentation’; under ‘tools’: ‘safe options’ and select ‘embed true type fonts’ and ‘embed all characters’).
- Please use only regular characters (a-z, A-Z, 0-9, spaces, underscore and dots) for your filenames and do not use special characters (accents, umlauts, foreign symbols).
- For mathematic symbols please use only characters that are listed under ‘Latin fonts’ (Unicode or DOS: Western Europe).
- Please use only “WinZip” to pack your data (free download of the current versions at www.winzip.com).
- If you are using PowerPoint for Mac or Keynote, please export your presentation as “.pptx” or “.ppt” for Windows.
Presentation
1. Arrive in the room leaving sufficient time before the session. Introduce yourself to the moderator(s) and to the room assistant. Make the moderator familiar with the pronunciation of your name and institution.
2. Walk on the stage to become familiar with the system, microphone and pointing device.
3. The moderator may ask you in advance for a specific topic you would like to address to complement your presentation, in case there are no questions from the audience. Do not hesitate to prepare for it. The moderator may also propose a question of his/her own.
4. When the previous presentation is over, and before the moderator calls you, stand up and approach the stage sideways to be ready, but not to disturb the ongoing discussion. Approach the room assistant, who will help you set the microphone.
5. Strictly follow the instructions of the moderator(s), especially regarding the time allotted for your talk.
6. Speak directly into the microphone in a normal voice and do not touch the microphone.

Hints for preparation
1. Do not cover too much ground. Leave the fine details for publication and discuss only the major points of your work, supported by the conclusions drawn from your data. Remember you are trying to communicate with the audience in a limited time. A rushed presentation is of no use to the audience or to your reputation.
2. Write out your presentation and practice it with a critic. This may help you to organise your material.
3. Practice and edit your presentation until you can deliver it clearly and understandably within the time allotted to you. If you exceed the allotted time, the session moderator may have to terminate your presentation.
4. Simplify – simplify – simplify: Keep data on slides simple. If there is an abundance of data, divide it into several slides. Simplify material on the slide to illustrate a single point or idea. The content of a slide should be comprehensible in 20 seconds.
5. Limit your slides to not more than two for each minute of your presentation. Think of people in the rear of the meeting room and use large, legible letters. A message slide should have no more than 7 lines with 7 words or less per line. Spaces between lines should be at least the height of a capital letter. Use only light colours such as white, yellow, light orange, light green or light blue on a dark background, such as dark blue or black (white on black background is better than black on white). Remember that almost 20% of the population is unable to see red letters.
6. Make sure the information on the slides of your radiographs is well presented – enlargements of the significant areas and arrows are often helpful.
7. Do not overuse fancy animations available in PowerPoint.
8. Avoid any inappropriate jokes, comments and slides.
9. Patient names must not appear on the slides. This would be a violation of patient confidentiality.
Surgical efficiency meets reliable versatility

The Reline portfolio is an evolution of posterior fixation technology within the Integrated Global Alignment (iGA) platform. It is designed to facilitate the preservation and restoration of patient alignment, while addressing even the most difficult spinal pathologies from an open, MAS, or hybrid approach.

Visit nuvasive.com for more information.
Sponsors & Exhibitors

Our special thanks to this year’s contributors:

- BIEDERMANN Motech
- HumanTech Spine GmbH
- joimax® GmbH

Partners

- AOSpine
- DWG
Networking Programme

Congress Evening
Thursday, 2 May 2019
19:45–22:00

Daheim im Lorsbacher Thal
Große Rittergasse 49
60594 Frankfurt am Main, Germany

Tickets are available at € 60 incl. 19% German VAT. (Own expense)

Meeting point for transfer with “Ebbelwei-Expreß”: Lobby Radisson Blu Hotel Frankfurt at 18:30

After an inspiring congress day, enjoy your evening at the Lorsbacher Thal in one of Frankfurt’s old town districts “Sachsenhausen”. Get to know the famous local cider during a cider tasting and savour traditional Hessian food.

You will also be able to visit the intact Apfelwein (cider) cellars, which have been serving clients from its casks for well over 100 years.

Transfer: Frankfurt’s Ebbelwei-Expreß will bring all participants to the restaurant. On the way you can enjoy a first-class view of different sights of Frankfurt. In addition, a guide will tell you some interesting stories while you can enjoy a glass of local cider. Travelling with Ebbelwei-Expreß is definitely one of the most charming ways to explore and discover the city.

After dinner a bus will bring you back to the Radisson Blu Hotel Frankfurt.
CME Accreditation
The EUROSPINE Spring Specialty Meeting 2019 in Frankfurt am Main has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 14 European CME credits (ECMEC®s).

Onsite Registration & Payment
Onsite registration is possible during the official registration opening hours. Please note that all onsite payments need to be made in cash or via credit card (Visa, Mastercard and American Express will be accepted). Unfortunately we cannot accept traveller cheques or other credit cards.

Registration Opening Hours

<table>
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<tr>
<th>Date</th>
<th>Hours</th>
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<tr>
<td>Thursday, 2 May 2019</td>
<td>07:15–18:00</td>
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<tr>
<td>Friday, 3 May 2019</td>
<td>08:00–17:00</td>
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The registration fee includes:
- Participation in the scientific programme
- Congress materials (name badge, certificate of attendance)
- Official coffee breaks and lunch
- Admission to the industry networking line-up

Congress Language
The official language of the congress is English. No simultaneous translation will be provided.

Currency
The official currency in Germany is EURO (€). Payment of congress-related matters such as registration fees, hotel bookings or tickets for social evening programme will be handled in Euro only. ATMs are located outside most banks, cash can be withdrawn there 24/7.

Badges
You will receive a personalised name badge when collecting your registration documents. During the congress, this badge must be clearly visible at all times and grants access to the scientific sessions, commercial exhibition and official networking events. Admission to the congress will not be allowed without badge identification. Exhibitors are not entitled to attend the scientific sessions. EUROSPINE Member badges will be marked with a sticker.

Certificate of Attendance
For official delegates to the congress, a certificate of attendance is available at the registration desk.

Catering Onsite
Catering stations will be placed in the industry networking line-up area and in Room Dow (adjacent to the session room). Coffee, tea and lunch be served during official break times (see programme).

Insurance
The congress organisers will not assume any responsibility for accidents, losses or damages, as well as for delays or modifications in the programme, caused by unforeseen circumstances. No claims for indemnification from the organizers shall arise for contractors or participants in case of cancellation, for any reason, of the entire Congress. Delegates are advised to arrange cancellation insurance for their congress costs (i.e. registration fee, travel or accommodation costs). A cancellation insurance offered by the „Europäische Reiseversicherung” can be booked during the online registration process. The insurance sum also covers costs incurred for services which have not been booked via Mondial Congress & Events.
Passport and Visa
Please check passport and visa requirements in due time before your departure. Three month tourist visas are issued by German embassies or consulates. They can take a while to be processed, so leave enough time before departure to apply. Fees vary depending on your nationality. There are no entry requirements or restrictions on members of the Schengen agreement visiting Germany.
Detailed visa information can be found on: www.germany-visa.org

Visa Letter of Invitation
On request, the Congress Secretariat will be pleased to send letters of invitation to individual doctors. Invitations of this kind are intended to assist potential delegates to raise their travel funds or obtain visas. They do not imply any commitment or responsibility of the Congress to provide financial support. Please note that letters of invitation can only be sent after receipt of registration and payment of full registration fee.
Please note that Visa applications can take a while to be processed, so please send us your request for a letter of invitation in due time.

Liability
The organisers cannot be held responsible for any personal injury, loss, damage or accident to private property, or for additional expenses incurred as a result of delays or changes in air, rail, road or other services, strikes, sickness, weather and other causes.

Internet
WIFI is available free of charge to all participants throughout the entire hotel.
Network: Radisson_Guest
No password needed. Terms and conditions have to be accepted.

Industry & Partner Networking Line-Up
The following partners can be found in the Industry & Partner Networking Line-Up:

- NuVasive
- Johnson & Johnson, Bereich DePuy Synthes
- BIEDERMANN Motech
- HumanTech Spine GmbH
- joimax® GmbH
- AOSpine
- DWG
- EUROSPINE, the Spine Society of Europe

Opening hours of the Industry & Partner Networking Line-Up:

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
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<tbody>
<tr>
<td>Thursday, 2 May 2019</td>
<td>10:00–16:30</td>
</tr>
<tr>
<td>Friday, 3 May 2019</td>
<td>10:00–16:30</td>
</tr>
</tbody>
</table>

EUROSPINE staff will be available onsite at the EUROSPINE booth during the opening hours of the Industry & Partner Line-Up.
Since 1916 Biedermann has been working in synergy with world class surgeons to solve clinical challenges through the development of next generation technology. Specialising in Spine since the 1980’s has allowed us to become a leader in spinal innovation, bringing life changing technology to the world through specialist surgeons.

Please visit us at the EUROSPINE Spring Specialty Meeting in Frankfurt on May 2-3, 2019.

www.biedermann.com
Venue and Frankfurt Information

Meeting venue
Radisson Blu Hotel Frankfurt
Franklinstraße 65
60486 Frankfurt am Main
Germany

About Frankfurt
Frankfurt am Main is conveniently located in the heart of Europe and known to be city of great colour and diversity. Nowadays the city has about 740,000 inhabitants. It is a place where tradition meets modernity, commerce meets culture and activity meets tranquillity. The trade fairs, the global corporations, the cultural establishments and the city’s international airport all play a leading role in their respective fields and industries. Due to the convenient accessibility Frankfurt is one of leading tourist destinations in Germany and has become a popular conference venue.

The city already has a long history which can be discovered by walking through the centre or in one of the local museums which are mainly located at the Museums Riverbank. Furthermore, there is also plenty for art enthusiasts to discover as series of exhibition venues combine first-class cultural offers with well-conceived architectural development. Friends of the performing arts will be overwhelmed by the birthplace of Johann Wolfgang von Goethe which impresses the audiences with ground-breaking performances in stunning locations.
Weather conditions in Frankfurt
Frankfurt has a temperate-oceanic climate. It has moderately warm summers and cold winters, with temperatures ranging from 1 °C in January to 25 °C in July. Temperatures in May in Frankfurt usually range between 16 °C and 20 °C, nights are cooler.
For a detailed weather forecast, please visit www.weather.com and enter “Frankfurt”.

Electricity & time
The main voltage in Germany is 220V.
Frankfurt am Main is in the Central European Time Zone (CET), one hour ahead of Greenwich Mean Time (GMT).

Shopping
Shops are usually open from 09:00–20:00 from Monday to Friday and Saturday from 09:00–18:00. Grocery stores already open around 8:00 during weekdays. On Sunday, shops are usually closed.

Tipping
Service and VAT are included in the menu price. Tips are always welcome – a rule of thumb is to add 5–10%, generally ending with a full Euro amount.

Banks & local currency
The currency in Germany is the EURO (€). Banks are usually open Monday–Friday 8:30–12:00 and 14:00–18:00. Banks are the best place to change money, as they charge only a small commission on cash or travellers cheques. ATMs are located outside most banks, cash can be withdrawn there 24/7. National and foreign Maestro cards (cash/debit cards) as well as MasterCard, AMEX, Visa and Diners are accepted. Credit cards are also accepted by numerous hotels, restaurants, shops and gas stations.

Telephone and useful numbers
Germany’s international access code is +49 (0049)
Dial 112 in case of emergency to request the fire, ambulance and police services or refer to the staff at the registration area.
Travel Information

Your Journey to Frankfurt

Access by plane
The airport of Frankfurt am Main is served by 89 passenger airlines which are flying to more than 250 destinations worldwide. There are several daily flights to the main European capitals and business centres. The modern building is located approximately 15 km away from the city centre.

From the airport to the city centre and vice versa:
Various bus connections are available at the airport to get to the city centre. The bus stops are located in front of Terminal 1 (Arrivals level) and Terminal 2 (Level 2). Beside, the following trains can be used to get to the city center: S8, S9, ICE
Cost: approx. € 5
Duration: approx. 20–30 min

Access by car/coach
The German transportation network enables a comfortable and convenient trip to Frankfurt am Main by car or coach from any location on the European continent.
A parking garage is available at Radisson Blu Hotel Frankfurt.
Fees: € 28 per day

Access by train
The Frankfurt Central station is the largest railway station in Germany. It is a hub position in Europe’s international railway network as various connections within different destinations exist.

How to reach the congress venue

Nearest train station: Frankfurt (Main) Westbahnhof (ICE, S3, S4, S5 S6; Tram 17, Bus: 32, 36 or 73)
Nearest tram station: An der Dammheide (Tram 17)

Distance from congress venue:
0.3 km to Public transport 5.2 km to City centre
3.4 km to Frankfurt Central Station 13.6 km to Airport

GPS: Radisson Blu Hotel Frankfurt, Franklinstraße 65, 60486 Frankfurt am Main, Germany

Travel in Frankfurt

Public transportation Frankfurt
The congress venue as well as all hotels can easily be reached using Frankfurt’s efficient and modern public transport network of underground lines, trams and busses.

Single Trip Ticket: € 2.05–4.90
Day Ticket: € 4.00–9.55

Frankfurt Card (incl. public transport and discounts at local museums/sights):
1-Day Pass: € 10.50
2-Day Pass: € 15.50

Public transport tickets are available at any VGF or DB ticket machine or at the bus driver directly.
Route maps and timetables are available on the VGF website.

Taxi
Taxis are available at the Airport as well as in front of the Radisson Blu Hotel Frankfurt.
Main Taxi Frankfurt: +49 69 733 030
Taxi Frankfurt eG: +49 69 230 001