Preliminary event program

AOTrauma Masters Course—Current Concepts—Hip Preservation

December 3 to 8, 2017 Davos, Switzerland

Lecture hall: Schwarzhorn
Value statement

AOTrauma is committed to improve patient care outcomes through the highest quality education. We strive to combine the right knowledge and surgical skills that empower the orthopedic and trauma surgeons to put theory into practice and to improve fracture management for the benefit of the patient.

The AO principles of fracture management

1. Fracture reduction and fixation to restore anatomical relationships.
2. Fracture fixation providing absolute or relative stability, as required by the “personality” of the fracture, the patient, and the injury.
3. Preservation of the blood supply to soft tissues and bone by gentle reduction techniques and careful handling.
4. Early and safe mobilization and rehabilitation of the injured part and the patient as a whole.
The first AO Course was held in Davos in 1960—these early courses pioneered psychomotor techniques by teaching practical skills of AO Techniques. Since those early days over 455,000 surgeons and 155,000 ORP from over 110 countries have attended AO Courses.

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Welcome

Dear AOTrauma course participant,

Welcome to AOTrauma’s Davos Courses 2017. AOTrauma provides a wide range of relevant courses designed to meet your specific professional needs. We are confident that you will find your course as well as the networking experiences professionally rewarding.

With a global reputation for innovation, leadership, and excellence in Continuing Medical Education (CME), the AOTrauma Clinical Division and the AO Education Institute are transforming education. AOTrauma is constantly expanding its portfolio of educational activities available to you. Continuing Medical Education is no longer just about face-to-face courses. Portfolios are being created to address the specific clinical problems that you encounter every day. Visit the AOTrauma home page (www.aotrauma.org) as new assets are being added every week.

The AOTrauma Davos Courses offers more than just a course experience. Your primary focus is active engagement in your course. In addition, we encourage you to:

- Interact with over 300 international faculty and discuss the specific issues you face
- Expand your professional network by establishing new relationships with colleagues that include faculty and participants from over 80 countries
- Visit and speak with staff and surgeons from the AO Foundation’s Clinical Divisions and Institutes. Both the exhibits in the AO World and the “Insight into the AO Center Davos” allow you to learn about the AO’s ongoing activities and the resources available to support you in your clinical work

Your current level of knowledge, attitudes, and skills will be challenged throughout the week. The best-in-class curriculum and faculty will provide you a memorable learning experience that will remain with you for a lifetime.

If you enjoy the experience during this week and would like to stay in touch with the elite AOTrauma organization, we invite you to become a member of AOTrauma. Membership for medical doctors (and DO’s) requires only a completed AOTrauma Basic Principles Course and the payment of a reasonable yearly fee.

Yours sincerely,

Wa’el Taha
Chairperson AOTrauma Education Commission

Kodi Kojima
Chairperson AOTrauma International Board

PS: Your experiences with us, over the next few days, will result in the realization of new and meaningful knowledge, skills, and understanding that we hope will translate into improved patient care.
Course structure
This 5-day, Masters-level course comprises three 1-day modules. Participants also select two from a wide choice of 1-day self-directed learning modules.

Goal of the course
The goal of this course is to increase knowledge and skills for managing difficult and complex cases. State-of-the-art techniques and approaches and best practices for treatment will be addressed at a high level.

Target participants
Participants must have completed the AOTrauma Basic Principles and Advanced Principles courses. They must be actively involved in orthopedic trauma management and preferably have at least five years of experience post residency in trauma surgery. Participants must be willing to share their ideas and be able to communicate well in English.

Learning objectives
Upon completion of this course, participants will be able to:
- Define the difference between normal and pathologic hip conditions (congenital, developmental, and posttraumatic)
- Discuss key elements in the initial evaluation, management, and diagnosis of posttraumatic and/or pre-arthritic hip disease
- Determine best surgical options for hip pathology to treat pain and delay or even prevent osteoarthritis
- Analyze the indications, strengths, and limitations for arthroscopic and open procedures in the treatment of pre-arthritic hip disease
- Integrate ongoing controversies in the care of patients with hip disorders and surgical preservation techniques
- Recognize the technical complexity of surgical treatment options
- Determine expected results, possible complications of treatment, and best practices for evaluating outcomes

Course description
Current Concepts courses and modules address the latest techniques and best practices in operative management of hip joint preservation surgery to deal with complex orthopedic problems. The course includes many case presentations and open group discussions moderated by experts in the field. Best evidence is presented through summary lectures and practical exercises, simulations are integrated where appropriate.
Overall Chairperson
Friedrich Baumgaertel
University of Marburg
Koblenz, Germany

Chairperson
Michael Leunig
Schulthess Clinic
Zurich, Switzerland

Co-Chairperson
Martin Beck
Hospital of the Canton Lucerne
Lucerne, Switzerland

International Faculty
Beaule Paul
University of Ottawa
Ottawa, Canada

Kalhor Morteza
Private Practice
Tehran, Iran

Mella Claudio
Clinica Alemana
Santiago, Chile

Millis Michael
Boston Children's Hospital
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Toyama Municipal Hospital
Toyama City, Japan

Stover Michael
Northwestern Medical Faculty Foundation
Chicago, USA

Zaltz Ira
Oakland Orthopaedic Surgeons
Royal Oak, USA

Regional Faculty
Witt Johan
University College London
London, United Kingdom

National Faculty
Dora Claudio
Schulthess Klinik
Zürich, Switzerland

Ferguson Stephen
ETH Zurich
Zürich, Switzerland

Ganz Reinhold
Reinhold Ganz
Gümligen, Switzerland

Pfirmann Christian
Uniklinik Balgrist
Zürich, Switzerland

Siebenrock Klaus-Arno
Inselspital
Bern, Switzerland
### Sunday, December 3, 2017

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<thead>
<tr>
<th>TIME</th>
<th>AGENDA ITEM</th>
<th>WHO</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:00</td>
<td>Opening of the Congress Center</td>
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<tr>
<td>15:00–17:00</td>
<td>Registration of participants</td>
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<tr>
<td>17:00–18:00</td>
<td>Opening ceremony</td>
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<tr>
<td>18:00–19:00</td>
<td>FOUNDERS' RECEPTION</td>
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**Monday, December 4, 2017**

<table>
<thead>
<tr>
<th>TIME</th>
<th>AGENDA ITEM</th>
<th>WHO</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00–08:15</td>
<td>Welcome and introduction to the course and today’s modules</td>
<td>M Leunig, M Beck</td>
</tr>
<tr>
<td><strong>Module 1</strong></td>
<td><strong>Background on osteoarthrosis (OA) concept</strong></td>
<td>Moderator: C Dora</td>
</tr>
<tr>
<td>08:15–08:25</td>
<td>Evidence based review on mechanical causes of hip osteoarthrosis</td>
<td>K Siebenrock</td>
</tr>
<tr>
<td>08:25–08:35</td>
<td>Developmental/maturational changes of the hip</td>
<td>I Zaltz</td>
</tr>
<tr>
<td>08:35–08:45</td>
<td>Prevalence of hip deformities and what is pathologic</td>
<td>P Beaule</td>
</tr>
<tr>
<td>08:45–09:15</td>
<td>Plenary case discussion—OA concept—where are we now and where do we need to go?</td>
<td>All faculty</td>
</tr>
<tr>
<td>09:15–09:25</td>
<td>Vascularity around the hip</td>
<td>M Kalhor</td>
</tr>
<tr>
<td>09:25–09:35</td>
<td>Conventional imaging of the hip</td>
<td>C Pfirrmann</td>
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<tr>
<td>09:35–10:00</td>
<td>Plenary case discussion—define anatomical and imaging keys for successful surgery</td>
<td>All faculty</td>
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<tr>
<td>10:00–10:30</td>
<td>COFFEE BREAK</td>
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<tr>
<td><strong>Module 2</strong></td>
<td><strong>Pathological deformities and consequences</strong></td>
<td>Moderator: J Witt</td>
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<tr>
<td>10:30–10:40</td>
<td>Biomechanics—from instability to impingement</td>
<td>S Ferguson</td>
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<tr>
<td>10:40–10:50</td>
<td>Contribution of extraarticular conflicts to hip disorders</td>
<td>C Mella</td>
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<tr>
<td>10:50–11:00</td>
<td>Femoral torsional disorders and their consequences</td>
<td>I Zaltz</td>
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<tr>
<td>11:00–11:10</td>
<td>Advanced imaging of the hip</td>
<td>C Pfirrmann</td>
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<tr>
<td>11:10–12:00</td>
<td>Plenary case discussion—consequences of hip deformities on natural course</td>
<td>All faculty</td>
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<tr>
<td>12:00–13:30</td>
<td>LUNCH BREAK</td>
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<tr>
<td>Time</td>
<td>Session</td>
<td>Chair</td>
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<tr>
<td>13:30–14:25</td>
<td><strong>Discussion group 1</strong>&lt;br&gt;Conventional imaging—identifying pathologies&lt;br&gt;Group 17 – Landwasser 17&lt;br&gt;Group 18 – Landwasser 18&lt;br&gt;Group 19 – Landwasser 19&lt;br&gt;Group 20 – Landwasser 20&lt;br&gt;Group 37 – Schwarzhorn</td>
<td>All faculty</td>
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<tr>
<td>14:25–14:30</td>
<td>LOCATION CHANGE TO LECTURE HALL</td>
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<td></td>
<td><strong>Module 3</strong>&lt;br&gt;Pelvic osteotomy techniques in adults&lt;br&gt;Moderator: M Stover</td>
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<tr>
<td>14:30–14:40</td>
<td>Pelvic osteotomies—available techniques</td>
<td>M Kalhor</td>
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<tr>
<td>14:40–14:50</td>
<td>Bernese periacetabular osteotomy (PAO)</td>
<td>K Siebenrock</td>
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<tr>
<td>14:50–15:00</td>
<td>Rotational acetabular osteotomy (RAO)</td>
<td>T Sawaguchi</td>
</tr>
<tr>
<td>15:00–15:30</td>
<td><strong>Plenary case discussion—similarities and distinctions between commonly used pelvic osteotomies (PAO, RAO and triple)</strong></td>
<td>All faculty</td>
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<tr>
<td>15:30–16:00</td>
<td>COFFEE BREAK</td>
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<td></td>
<td><strong>Module 4</strong>&lt;br&gt;Femoral osteotomies&lt;br&gt;Moderator: I Zaltz</td>
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<tr>
<td>16:00–16:10</td>
<td>Surgical hip dislocation</td>
<td>C Dora</td>
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<tr>
<td>16:10–16:20</td>
<td>Osteotomies of the proximal femur</td>
<td>M Beck</td>
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<tr>
<td>16:20–16:30</td>
<td>Rotational femoral head osteotomy (Sugioka)</td>
<td>T Sawaguchi</td>
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<tr>
<td>16:30–17:00</td>
<td><strong>Plenary case discussion—technical keys of surgical hip dislocation and femoral sided osteotomies</strong></td>
<td>All faculty</td>
</tr>
<tr>
<td>17:00–17:05</td>
<td>Summary, evaluation and take home message</td>
<td>M Leunig, M Beck</td>
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</table>
Self Directed Learning Day

Participants will choose their own program by selecting one of the following 6 modules:

- External Fixation for Acute Trauma and Nonunion
- Nonunion
- Pediatric Proximal Femur and other Unusual (pathological) Fractures
- Fracture Related Infection
- Nailing of Complex Fractures—Special Situations
- Surgical Priorities in Blast Injuries

For the detailed program please refer to the separate program attached to this application (CCC(SDL Tuesday 05_12_17.pdf)
# Wednesday, December 6, 2017

<table>
<thead>
<tr>
<th>TIME</th>
<th>AGENDA ITEM</th>
<th>WHO</th>
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</thead>
<tbody>
<tr>
<td>08:00–08:05</td>
<td>Welcome and introduction to the course and today’s modules</td>
<td>M Leunig, M Beck</td>
</tr>
<tr>
<td><strong>Module 5</strong></td>
<td><strong>Hip arthroscopy</strong></td>
<td>Moderator: P Beaule</td>
</tr>
<tr>
<td>08:05–08:15</td>
<td>Hip arthroscopy—current indication and evolution of technique</td>
<td>C Mella</td>
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<tr>
<td>08:15–08:25</td>
<td>Arthroscopic management of femoro-acetabular impingement (FAI)</td>
<td>C Mella</td>
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<tr>
<td>08:25–08:35</td>
<td>Limits of arthroscopic FAI surgery</td>
<td>I Zaltz</td>
</tr>
<tr>
<td>08:35–09:05</td>
<td><strong>Plenary case discussion</strong>—current indications for hip arthroscopy—learning curve</td>
<td>All faculty</td>
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<tr>
<td><strong>Module 6</strong></td>
<td><strong>Outcomes of hip preservation surgery</strong></td>
<td>Moderator: K Siebenrock</td>
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<tr>
<td>09:05–09:15</td>
<td>Osteotomies for the treatment of dysplasia</td>
<td>J Witt</td>
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<tr>
<td>09:15–09:25</td>
<td>Open and arthroscopic treatment of FAI</td>
<td>M Stover</td>
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<tr>
<td>09:25–09:50</td>
<td><strong>Plenary case discussion</strong>—identification of confounders for failure—assessment instruments</td>
<td>All faculty</td>
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<tr>
<td>09:50–10:10</td>
<td><strong>COFFEE BREAK</strong></td>
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<tr>
<td>10:10–10:30</td>
<td>Keynote lecture—hip preserving surgery—where do we come from and where are we today?</td>
<td>R Ganz</td>
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<tr>
<td>10:30–10:35</td>
<td>LOCATION CHANGE TO DISCUSSION GROUPS</td>
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<tr>
<td>10:35–11:35</td>
<td><strong>Discussion group 2</strong></td>
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<td></td>
<td>Decision making in FAI—what would you do?</td>
<td>All faculty</td>
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<td></td>
<td>Group 17 – Landwasser 17</td>
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<td>Group 18 – Landwasser 18</td>
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<td>Group 19 – Landwasser 19</td>
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<td>Group 20 – Landwasser 20</td>
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<td></td>
<td>Group 37 – Schwarzhorn</td>
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<tr>
<td>11:35–11:40</td>
<td><strong>LOCATION CHANGE TO LECTURE HALL</strong></td>
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<tr>
<td>Module 7</td>
<td>Details of surgical techniques</td>
<td>Moderator: R Ganz</td>
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<td>11:40–11:50</td>
<td>Labrum—from debridement to reconstruction</td>
<td>M Beck</td>
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<tr>
<td>11:50–12:00</td>
<td>Techniques of hip cartilage repair</td>
<td>M Leunig</td>
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<tr>
<td>12:00–12:10</td>
<td>Colonna procedure for high dislocation of the hip</td>
<td>R Ganz</td>
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<tr>
<td>12:10–12:40</td>
<td><strong>Plenary case discussion</strong>—what to do with the damaged labrum and cartilage—tips and tricks for capsular arthroplasty</td>
<td>All faculty</td>
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<tr>
<td>12:40–14:10</td>
<td>LUNCH BREAK</td>
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<thead>
<tr>
<th>Module 8</th>
<th>Slipped capital femoral epiphysis (SCFE)</th>
<th>Moderator: M Millis</th>
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</thead>
<tbody>
<tr>
<td>14:10–14:20</td>
<td>Acute treatment—when is in situ pinning and open reduction indicated?</td>
<td>M Millis</td>
</tr>
<tr>
<td>14:20–14:30</td>
<td>Modified Dunn—indication, technical pearls and outcomes</td>
<td>I Zaltz</td>
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<tr>
<td>14:30–14:40</td>
<td>Arthroscopic treatment of SCFE</td>
<td>M Leunig</td>
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<tr>
<td>14:40–14:50</td>
<td>What if the hip becomes unstable?</td>
<td>R Ganz</td>
</tr>
<tr>
<td>14:50–15:15</td>
<td><strong>Plenary case discussion</strong>—current evidence for Dunn in SCFE, technical essentials to avoid complications including AVN</td>
<td>All faculty</td>
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<tr>
<td>15:15–15:20</td>
<td>LOCATION CHANGE TO PRACTICAL EXERCISE ROOM</td>
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<td>ROOM Foyer C2</td>
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<tr>
<td>15:20–16:20</td>
<td>Practical exercise Scott our</td>
<td>All faculty</td>
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<td>Retinacular flap—SCFE</td>
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<tr>
<td>16:20–16:40</td>
<td>COFFEE BREAK</td>
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<thead>
<tr>
<th>Module 9</th>
<th>Legg-Calvé-Certhes disease (LCPD)</th>
<th>Moderator: I Zaltz</th>
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<tbody>
<tr>
<td>16:40–16:50</td>
<td>Natural history and when/how to intervene</td>
<td>M Millis</td>
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<tr>
<td>16:50–17:00</td>
<td>How to describe/determine the complex LCPD deformity?</td>
<td>C Dora</td>
</tr>
<tr>
<td>17:00–17:10</td>
<td>Role of head reduction osteotomy—rationale and indications</td>
<td>R Ganz</td>
</tr>
<tr>
<td>Time</td>
<td>Topic</td>
<td>Presenter(s)</td>
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<tr>
<td>17:10–17:20</td>
<td>When to approach both sides of the joint?</td>
<td>J Witt</td>
</tr>
<tr>
<td>17:20–17:50</td>
<td>Plenary case discussion—appreciation of different deformities and treatment options</td>
<td>All faculty</td>
</tr>
<tr>
<td>17:50–18:00</td>
<td>Summary, evaluation and take home message</td>
<td>M Leunig, M Beck</td>
</tr>
</tbody>
</table>
Thursday, December 7, 2017

Self Directed Learning Day

Participants will choose their own program by selecting one of the following 6 modules:

• External Fixation for Bone Defects and Deformity Correction

• Malunion

• Pediatric Elbow Fractures and other Long Bone Growth Plate Injuries

• Fracture Related Infection

• Complications Related to Nailing

• Management of Blast Injuries

For the detailed program please refer to the separate program attached to this application (CCC_SDL Thursday 07_12_17.pdf)
**Friday, December 8, 2017**

<table>
<thead>
<tr>
<th>TIME</th>
<th>AGENDA ITEM</th>
<th>WHO</th>
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<tbody>
<tr>
<td>08:00–08:05</td>
<td>Welcome and introduction to the course and today’s module</td>
<td>M Leunig, M Beck</td>
</tr>
<tr>
<td>08:05–08:10</td>
<td>LOCATION CHANGE TO DISCUSSION GROUPS</td>
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<tr>
<td>08:10–09:20</td>
<td><strong>Discussion group 3</strong>&lt;br&gt;Complex FAI cases—analysis of deformities, biomechanics, and treatment options&lt;br&gt;Group 17 – Landwasser 17&lt;br&gt;Group 18 – Landwasser 18&lt;br&gt;Group 19 – Landwasser 19&lt;br&gt;Group 20 – Landwasser 20&lt;br&gt;Group 37 – Schwarzhorn</td>
<td>All faculty</td>
</tr>
<tr>
<td>09:20–09:25</td>
<td>LOCATION CHANGE TO LECTURE HALL</td>
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<tr>
<td>09:25–10:25</td>
<td><strong>Practical master table demonstration</strong>&lt;br&gt;- PAO—demonstration of osteotomy technique of PAO—how to orient the fragment&lt;br&gt;- Head reduction in LCPD—technical key including retinacular flap</td>
<td>All faculty</td>
</tr>
<tr>
<td>10:25–10:40</td>
<td>Discussion</td>
<td>All faculty</td>
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<tr>
<td>10:40–11:00</td>
<td>COFFEE BREAK</td>
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<tr>
<td>11:00–11:20</td>
<td>Keynote lecture—successful joint preservation—meeting expectations, confounders of bad outcomes, what influences patient choices?</td>
<td>M Millis</td>
</tr>
<tr>
<td>11:20–11:30</td>
<td>Discussion</td>
<td>M Millis</td>
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<tr>
<td><strong>Module 10</strong></td>
<td><strong>Posttraumatic conditions and complication management</strong>&lt;br&gt;Moderator: T Sawaguchi</td>
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<tr>
<td>11:30–11:40</td>
<td>Impingement and trauma</td>
<td>M Stover</td>
</tr>
<tr>
<td>11:40–11:50</td>
<td>Management of failed hip preservation surgery</td>
<td>P Beaule</td>
</tr>
<tr>
<td>11:50–12:20</td>
<td><strong>Plenary case discussion—posttraumatic conditions and complication management</strong></td>
<td>All faculty</td>
</tr>
<tr>
<td>12:20–12:30</td>
<td>Summary, evaluation and take home message</td>
<td>M Leunig, M Beck</td>
</tr>
</tbody>
</table>
Event organization

AOTrauma
Bettina Bolliger
Clavadelerstrasse 8
7270 Davos, Switzerland
Phone +41 81 414 27 22
Fax +41 81 414 22 84
Email bbolliger@aotrauma.org

AO funding sources
Unrestricted educational grants from different sources are collected and pooled together centrally by the AO Foundation. All events are planned and scheduled by local and regional AO surgeon groups based on local needs assessments. We rely on industrial/commercial partners for in-kind support to run simulations/skills training if educationally needed.

Event information

Event fee
AOTrauma Masters Course—Current Concepts—Hip Preservation CHF 3500.00.
Included in the event fee is the conference bag with documentation, coffee breaks, lunches, and AO World Night and course certificate.

European CME Accreditation
An application has been made to the UEMS-EACCME® in Brussels for CME accreditation of this event.

Additionally an application has been made to the following Swiss societies:
Schweizerische Gesellschaft für Chirurgie (SGC / SSC)
Schweizerische Gesellschaft für Orthopädie und Traumatologie (SGO / SSO)

Conflicts of Interest (COI)
All disclosure information can be viewed at the event webpage:
http://DAVOS1712_HIP.aotrauma.org.

Course certificate
The course certificates will be available at the end of the event at the welcome desk.

Evaluation guidelines
All AOTrauma events apply the same evaluation process, online pre- and post-event evaluation and on-site by paper and pencil questionnaires. This helps AOTrauma to ensure that we continue to meet your training needs.

Intellectual property
Event materials, presentations, and case studies are the intellectual property of the event faculty. All rights are reserved. Check hazards and legal restrictions on www.aofoundation.org/legal.

→ Recording, photographing, or copying of lectures, practical exercises, case discussions, or any event materials is strictly forbidden. Participants violating intellectual property will be dismissed.
The AO Foundation reserves the right to film, photograph, and audio record during their events. Participants must understand that in this context they may appear in these recorded materials. The AO Foundation assumes participants agree that these recorded materials may be used for AO marketing and other purposes, and made available to the public.

**Security**
Security checks will be conducted at the entrance of the building. Wearing of a name tag is compulsory during lectures, workshops, and group discussions.

**No insurance**
The event organization does not take out insurance to cover any individual against accidents, thefts or other risks.

**Use of mobile phones**
Use of mobile phones is not allowed in the lecture halls and in other rooms during educational activities. Please be considerate of others by turning off your mobile phone.

**Picture Gallery**
Check out [aodavoscourses.org](http://aodavoscourses.org) for a daily selection of pictures from the Davos Courses 2017, the best from last year’s courses, and a selection of photographs from the first ever AO Davos Courses.

**Dress code**
Davos: warm clothes and suitable shoes are advisable.
Event venue

Congress Center Davos
Talstrasse 49A
7270 Davos, Switzerland
Phone +41 81 414 62 00
Fax +41 81 414 62 29

General information
Sunday 12:00–19:00
Monday to Thursday 07:30–19:00
Friday 07:30–16:00

AO World
Sunday 15:00–17:00
Monday to Thursday 09:00–17:00 (Thursday –20:30)
Friday 09:00–15:30

Industry exhibition
Sunday 15:00–19:00
Monday to Thursday 09:00–17:00 (Thursday –18:00)
Friday 09:00–15:30
AO Foundation—Principles of AO Educational Events

1) Academic independence

Development of all curricula, design of scientific event programs, and selection of faculty are the sole responsibilities of volunteer surgeons from the AO network. All education is planned based on needs assessment data, designed and evaluated using concepts and evidence from the most current medical education research, and involving the expertise of the AO Education Institute (www.aofoundation.org).

Industry participation is not allowed during the entire curriculum development and planning process to ensure academic independence and to keep content free from bias.

2) Compliance to accreditation and industry codes

All planning, organization, and execution of educational activities follow existing codes for accreditation of high-quality education:

- Accreditation Criteria of the Accreditation Council for Continuing Medical Education, USA (www.accme.org)
- ACCME Standards for Commercial Support: Standards to Ensure Independence in CME Activities (www.accme.org)
- Criteria for Accreditation of Live Educational Events of the European Accreditation Council for Continuing Medical Education (www.uems.eu)

Events that receive direct or indirect unrestricted educational grants or in-kind support from industry also follow the ethical codes of the medical industry, such as:

- Eucomed Guidelines on Interactions with Healthcare Professionals (www.medtecheurope.org)
- AdvaMed Code of Ethics on Interactions with Health Care Professionals (advamed.org)
- Mecomed Guidelines on Interactions with Healthcare Professionals (www.mecomed.org)

3) Branding and advertising

No industry logos or advertising (with the exception of the AO Foundation and AO Clinical Division) are permitted in the area where educational activities take place.

Sponsors providing financial or in-kind support are allowed to have a promotional booth or run activities outside the educational area with approval from the event chairperson.

4) Use of technologies and products in simulations

If case simulations are chosen as an educational method to educate skills, we only use technology approved by the AOTK System (AOTK)—a large independent group of volunteer surgeons developing and peer-reviewing new technology (more information about AOTK, its development and approval process can be found on the AO Foundation website: www.aofoundation.org).

5) Personnel

Industry staff is not allowed to interfere with the educational content or engage in educational activities during the event.
Business center

There are business center facilities in the Congress Center which are accessible to everybody.

Services
• Internet and e-mail access
• Printer access
• www.aotrauma.org
   AO Course website offering course-related information

Opening hours
30 minutes before the first course of the day starts until
30 minutes after the last course ends

Disclaimer
The use of your own computer in the business center network is inherently not secure. We strongly recommend that you take appropriate actions to protect your computer against unauthorized use or theft (eg, Firewall, VPN-Connection, VirusScanner). AO cannot be held responsible for any data loss or theft.
For further information or support please contact:
AO Foundation
Phone +41 81 414 28 70
E-mail it.support@aofoundation.org
Wireless network

How to connect to the AO Wireless LAN

• Open the Wireless Network Connection Window

• Choose the AO Business Network as shown in the print screen below and click on the Connect Button.

  ![Wireless Network Connection Window](image)

• Our “AO Business” Wireless Network requires a WPA network key:

  Network key: aowireless

  ![Connect to a Network](image)

• Then click on the OK Button.
Exhibitions

AO World
Visit the AO World in the main foyer, home to the AO Clinical Divisions, AO Institutes and the AO Foundation Initiatives. Here you can explore membership opportunities, browse our print and electronic publications and learn about groundbreaking activities within the AO. Discover research, development, fellowships, and other opportunities available to you by visiting all the booths in the AO World.

Industry exhibitors
Visit the exhibitions of our major industry partners DePuy Synthes and Siemens, who are also contributing in-kind support (material and logistics), and the other exhibitors: SYNBONE, Ethicon, Carl Zeiss AG, Invibio, Victorinox, ICUC, and Moticon GmbH. -> further exhibitors to be confirmed

Media exhibitors
Lehmanns Media can be found at the entrance to the Congress Center.
AO Research Institute Davos (ARI)

Mission
Excellence in applied Preclinical Research and Development within trauma and disorders of the musculoskeletal system and translation of this knowledge to achieve more effective patient care worldwide.

Goals
- Contribute high quality applied Preclinical Research and Development focused towards clinical applications/solutions.
- Investigate and improve the performance of surgical procedures, devices and substances.
- Foster a close relationship with the AO medical community, academic societies, and universities.
- Provide research environment/support/training for AO clinicians.

At the AO World booths, meet with our team including our ARI Medical Research Fellows, establish contacts, freely discuss your clinical problems, ideas, and learn about the latest results from the AO Research Institute Davos (ARI). Insight into the AO Center will show our infrastructure under one roof and enable you to meet some of our research team.

Areas:

Collaborative Research Programs
- Annulus Fibrosus Rupture
- Acute Cartilage Injury

Craniomaxillofacial
- Imaging and planning of surgery, computer aided preoperative planning
- Medication-Related Osteonecrosis of the Jaw
- Bone Regeneration

Spine
- Degeneration and regeneration of the intervertebral disc
- Fracture fixation in osteoporotic bone

Trauma
- Bone infection, including the development and testing of active anti-infective interventions
- Fracture fixation in osteoporotic bone including intra-operative assessment of bone quality, augmentation techniques and prophylaxis
- Evaluation of the cortical and trabecular bone remodeling (with special regards to the porosity) in the proximal humerus and its impact on the fracture zones
- Development of smart surgical instruments and implant concepts for optimized bone healing
- Patient outcomes and biomarkers

Veterinary Medicine
- Improving osteosynthesis for small and large animals

Multidisciplinary
- Analysis of implant-specific functional anchorage with CT-technology
- Ex vivo testing using advanced biomechanical models
- In vivo studies using established or newly developed preclinical models
- Gene transfer- non-viral and viral
- Implant design using the Finite Element Methods
- Implant positioning assistance, C-arm guided implant placement
- Telemetric monitoring of bone healing
- In vivo and in vitro quantification of bone turnover and scaffold degradation
- Longitudinal analysis within in-vivo studies using CT-technology
- Medical image processing and analysis
- Polymers to deliver cells and biological factors, create potential space for tissue development and guide the process of tissue regeneration
- Prototype development and production
• Stem cell therapies for the treatment of bone, intervertebral disc and cartilage defects
• Bioreactor culture systems and mechanobiology
• Surface modification of PEEK to improve tissue integration
• Thermosresponsive gel for delivery of antibiotics, stem cells, growth factors, transfected cells etc.
• 3R – refinement of preclinical studies
• Development, standardization, optimization and improvement of preclinical models and methods

For the 2016 AO Research Institute Davos activity report and recent publications go to:
www.aofoundation.org/ari/publications
Sponsors

We thank our major industry partners **DePuy Synthes** and **Siemens** for contributing in-kind support (material and logistics) without which this event would not be possible. A special thanks to DePuy Synthes for providing an unrestricted educational grant for this event.

We also extend our thanks to the following co-sponsors (educational grants, in-kind support):

- **Credit Suisse**
- **Synbone**
- **Ethicon**
Upcoming AO Events—Davos 2018

AO Courses—December 3–8, 2018
- AOTrauma Course—Basic Principles of Fracture Management
- AOTrauma Course—Advances Principles of Fracture Management
- AOTrauma Course—Advanced Principles of Fracture Management for Swiss Residents
- AOTrauma Masters Course—Current Concepts
- AOTrauma Course—Foot and Ankle
- AOTrauma Course—Pediatrics
- AOTrauma Masters Kurs
- AORecon Course

AO Courses—December 10–14, 2018
- AOTrauma Course—Basic Principles of Fracture Management for Swiss Surgeons
- AOSpine Courses
- AOCMF Courses
- AONeuro Course
- AOVET Courses

List subject to changes. The final Davos courses list as well as worldwide courses lists will be available on www.aotrauma.org in January 2018.
Driving excellence and empowering the next generation

AOTrauma membership
Discover the advantages of joining the leading global trauma and orthopedic community, providing its members with education, research and networking opportunities worldwide.

Apply for membership at www.aotrauma.org

Join us and share your passion

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