29th Emile Letournel Course and Workshop
Fractures of the Acetabulum and Pelvis
25–28 September 2017
Hamburg

PROGRAM

The four day intensive CME course is developed for orthopaedic trauma surgeons and fellows interested in innovative and evidence based management of acetabular and pelvic fractures.

Course Chairmen
Univ.-Prof. Dr. med. Johannes M. Rueger
Director Department of Trauma, Hand and Reconstructive Surgery
Pelvic Center
University Medical Center Hamburg-Eppendorf
Hamburg, Germany

Mark C. Reilly, MD
Associate Professor
Department of Orthopaedics
Rutgers New Jersey Medical School
Newark, NJ/USA

Guest of Honor
Joel M. Matta, MD
Director, Hip and Pelvis Institute
St. John’s Health Center
Santa Monica
CA/USA

A continuing medical education activity sponsored by

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Did you know?

Conventus is the Professional Congress Organizer of the 29th Emile Letournel Course and Workshop
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**Organization and Imprint**

**Venue**
Morning lectures and practical exercises
Dorint Hotel Hamburg-Eppendorf
Room Elbe 1+2 and rooms Fleet 1, Fleet 2
Martinistraße 72
20251 Hamburg, Germany

Cadaver sessions
University Medical Center Hamburg-Eppendorf
Department of Anatomy
Building “Nord N61”
Martinistraße 52
20246 Hamburg, Germany

**Date**
25–28 September 2017

**Course website**
www.letournel-course.com

**Course chairmen**
Univ.-Prof. Dr. med. Johannes M. Rueger
University Medical Center Hamburg-Eppendorf
Director Department of Trauma, Hand and Reconstructive Surgery
Pelvic Center
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**Professional course organizer**
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Bristol/GB

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HFR Fribourg/Kantonsspital Freiburg
Fribourg/CH

Vincenzo Giordano, MD, MSc
Hospital Municipal Miguel Couto
Rio de Janeiro/BR

Lars G. Großterlinden, Prof. Dr. med.
Asklepios Klinik Altona
Hamburg/DE

Pierre Guy, MDCM, MBA
University of British Columbia
Vancouver/CA

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University Medical Center Hamburg-Eppendorf
Hamburg/DE

Marius Keel, Prof. Dr. med.
Bern University Hospital
Bern/CH

Wolfgang Lehmann, Univ.-Prof. Dr. med.
University Medical Center Göttingen
Göttingen/DE

Sithombo Maqungo, Prof.
Groote Schuur Hospital
Cape Town/ZA

Joel M. Matta, MD
Hip & Pelvis Institute at St. John’s
Santa Monica, CA/US

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Newark, NJ/US

Mark Rickman, MD FRCS
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Adelaide, SA/AU

Guido Rocca, Prof.
O.T.C. – Italy/CTO Camposampiero Padova
Camposampiero/IT

Johannes M. Rueger, Univ.-Prof. Dr. med.
University Medical Center Hamburg-Eppendorf
Hamburg/DE

Henry C. Sagi, MD
Harborview Medical Center - West Clinic
Seattle, WA/US

Klaus A. Siebenrock, Prof. Dr. med.
Bern University Hospital
Bern/CH

Upender Martin Singh, MD
Rigshospitalet Copenhagen University Hospital
Copenhagen/DK

Jordi Teixidor, MD
University Hospital Vall d’Hebron
Barcelona/ES

Jerome Tonetti, Prof.
Centre Hospitalier Universitaire Grenoble Alpes
Grenoble/FR

Frank van der Heijden, Dr.
Elisabeth Tweesteden Hospital (ETZ)
Tilburg/NL

Anthony Ward, BMedSci (Hons), BM BS, FRCS
Spire Bristol Hospital
Bristol/GB
Dear Colleagues

It is our great privilege to invite you to the 2017 Letournel Course and Workshop in Hamburg.

The course follows the same tradition as Letournel’s first course in 1984. It will cover pelvic and acetabular fracture surgery based on Letournel’s ground breaking concepts, understanding and teachings. The faculty consists of internationally renowned experts in the field of pelvic and acetabular surgery.

The course will be dedicated to the in-depth learning of how to manage pelvic fractures and how to diagnose, classify and treat the different types of acetabular fractures.

As per the tradition of this course, there will be ample time for practical exercises on cadaveric specimens, sawbone workshops as well as case discussions. During the practical exercises the main focus will be learning tips/tricks, technical features and simplifying steps and methods from the experts – those things that are most important for successful pelvic and acetabular fracture surgery and cannot be taught in large groups.

Therefore, the number of participants has been limited again to a ratio of 4:1 (participating colleagues per instructor), so that you will work directly and intensely with an expert.

The final day includes presentations on some of the complications faced during and after treating these complex injuries. Treatment protocols on how to minimize these complications and optimize outcomes are also discussed. The growing burden in elderly fragility fractures and algorithms for management of this increasing group will also be covered.

We are looking forward to your participation and would be delighted to meet you in Hamburg.

Best regards

Johannes M. Rueger

Mark C. Reilly
08:00  Registration/exhibits  
Dorint hotel/foyer

09:00  Welcome and opening remarks  
Dorint hotel/room Elbe 1+2  
Johannes M. Rueger (Hamburg/DE), Mark C. Reilly (Newark, NJ/US)

09:10–10:20  Surgical treatment of pelvic fractures  
Dorint hotel/room Elbe 1+2
Chairs  
Mez Acharya (Bristol/GB)  
Wolfgang Lehmann (Göttingen/DE)

09:10  Radiology of pelvic fractures  
Jordi Teixidor (Barcelona/ES)

09:25  Classification of pelvic fractures  
Upender Martin Singh (Copenhagen/DK)

09:40  Acute evaluation, prioritization and emergency treatment of pelvic fracture patients  
Mez Acharya (Bristol/GB)

09:55  ORIF of pelvic fractures – introduction and goals  
Joel M. Matta (Santa Monica, CA/US)
10:05  Discussion

10:20  COFFEE BREAK

10:40–12:00  Surgical treatment of pelvic ring injuries – continued  
Dorint hotel/room Elbe 1+2
Chairs  
Sithombo Maqungo (Cape Town/ZA)  
Mark Rickman (Adelaide, SA/AU)

10:40  Anterior ring injuries  
Guido Rocca (Rome/IT)

11:00  Sacroiliac dislocations, fracture dislocations and ilium fractures  
Sithombo Maqungo (Cape Town/ZA)

11:20  Sacral fractures including H/U type  
Wolfgang Lehmann (Göttingen/DE)
11:40  Discussion

12:00  LUNCH BREAK
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
<th>Chairs</th>
<th>Presenters</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:00–14:40</td>
<td>Radiographic classifications of acetabular fractures</td>
<td>Dorint hotel/room Elbe 1+2</td>
<td>Emanuel Gautier (Fribourg/CH) Lars G. Großterlinden (Hamburg/DE)</td>
<td>Mark Rickman (Adelaide, SA/AU)</td>
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<tr>
<td>13:00</td>
<td>Radiology of the normal acetabulum</td>
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<td>Mark Rickman (Adelaide, SA/AU)</td>
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<tr>
<td>13:20</td>
<td>The classification</td>
<td></td>
<td>Emanuel Gautier (Fribourg/CH)</td>
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<tr>
<td>13:40</td>
<td>Posterior wall, posterior column, posterior column plus posterior wall</td>
<td></td>
<td>Lars G. Großterlinden (Hamburg/DE)</td>
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<tr>
<td>14:00</td>
<td>Anterior wall, anterior column</td>
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<td>Vincenzo Giordano (Rio de Janeiro/BR)</td>
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<tr>
<td>14:20</td>
<td>Discussion</td>
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<td>14:40</td>
<td>COFFEE BREAK</td>
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<tr>
<td>15:00–16:20</td>
<td>Radiographic classifications of acetabular fractures – continued</td>
<td>Dorint hotel/room Elbe 1+2</td>
<td>Jerome Tonetti (Grenoble/FR) Frank van der Heijden (Tilburg/NL)</td>
<td>Emanuel Gautier (Fribourg/CH)</td>
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<tr>
<td>15:00</td>
<td>Transverse, T-shaped, transverse plus posterior wall</td>
<td></td>
<td>Emanuel Gautier (Fribourg/CH)</td>
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<tr>
<td>15:20</td>
<td>Anterior and posterior hemi-transverse</td>
<td></td>
<td>Henry C. Sagi (Seattle, WA/US)</td>
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<td>15:40</td>
<td>Both column</td>
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<td>Frank van der Heijden (Tilburg/NL)</td>
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<tr>
<td>16:00</td>
<td>Discussion</td>
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<td>16:20</td>
<td>COFFEE BREAK</td>
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<tr>
<td>16:40–18:30</td>
<td>Small group discussions</td>
<td>Dorint hotel/rooms Elbe 1+2, Fleet 1, Fleet 2</td>
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<td>18:30</td>
<td>End of day I</td>
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<td>19:45</td>
<td>Course dinner restaurant “Au Quai”</td>
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<tr>
<td>Time</td>
<td>Session Title</td>
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<td>08:30–09:30</td>
<td>Small group discussions</td>
<td>Dorint hotel/rooms Elbe 1+2, Fleet 1, Fleet 2</td>
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<tr>
<td>09:30–10:30</td>
<td>Surgical treatment of acetabular fractures</td>
<td>Dorint hotel/room Elbe 1+2</td>
<td>Marius Keel (Bern/CH), Maximilian J. Hartel (Hamburg/DE)</td>
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<td>Indication for surgery and decision making</td>
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<td></td>
<td>Johannes M. Rueger (Hamburg/DE)</td>
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<td>Choice of surgical approach (PW, PC, AW, AC, PC plus PW)</td>
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<td>Marius Keel (Bern/CH)</td>
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<td>Choice of approach for T-shaped, transverse and transverse plus posterior wall</td>
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<td>Jerome Tonetti (Grenoble/FR)</td>
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<td>10:30</td>
<td>COFFEE BREAK</td>
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<tr>
<td>10:50–11:45</td>
<td>Surgical treatment of acetabular fractures – continued</td>
<td>Dorint hotel/room Elbe 1+2</td>
<td>Henry C. Sagi (Seattle, WA/US), Vincenzo Giordano (Rio de Janeiro/BR)</td>
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<td>Choice of approach for A+PHT and both column</td>
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<td>Pierre Guy (Vancouver/CA)</td>
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<td>Concurrent ring injuries – effect on acetabular approach</td>
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<td>Mark C. Reilly (Newark, NJ/US)</td>
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<td>Discussion</td>
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<td>11:45</td>
<td>LUNCH BREAK</td>
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</table>
Groups I–X
Department of Anatomy/dissecting room

12:30 Walk to the lab
12:45 Introduction
Johannes M. Rueger (Hamburg/DE)

Groups I–X
13:00–15:15 Practical session I
Department of Anatomy/dissecting room

For each approach
1. Technical lecture and diagrammatic slides
2. Video
3. Practical exercises by groups

Kocher-Langenbeck (right hemipelvis)
Wolfgang Lehmann (Göttingen/DE)

Posterior approach SIJ (left hemipelvis)
Frank van der Heijden (Tilburg/NL)

15:15 COFFEE BREAK

Groups I–X
15:35–18:00 Practical session II
Department of Anatomy/dissecting room

Ilioinguinal (right hemipelvis)
Johannes M. Rueger (Hamburg/DE)

AIP/Stoppa (AIP/Stoppa window only, left hemipelvis)
Henry C. Sagi (Seattle, WA/US)

18:00 COFFEE BREAK

Groups I–X
Department of Anatomy/lecture hall

Video session and discussion

Extended Iliofemoral
Joel M. Matta (Santa Monica, CA/US)

KL with trochanteric flip
Marius Keel (Bern/CH)

Smith Petersen
Anthony Ward (Bristol/GB)

End of day II/free evening
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Description</th>
<th>Location</th>
<th>Chairs</th>
<th>Additional Information</th>
</tr>
</thead>
</table>
| 12:30–14:00        | **Practical exercise part I (sawbones)**                | Dorint hotel/room Elbe 1+2 | Lars G. Großterlinden (Hamburg/DE) Mark C. Reilly (Newark, NJ/US)     | Part 1a – Reduction and fixation of sacroiliac fracture dislocations  
|                    |                                                          |                          |                                                                      | Part 1b – Associated transverse and posterior wall fracture          |
| 14:00              | COFFEE BREAK                                            |                          |                                                                       |                                                             |
| 14:20–16:20        | **Practical exercise part II (sawbones)**               | Dorint hotel/rooms Elbe 1+2 | Michael T. Archdeacon (Cincinnati, OH/US) Sithombo Maqungo (Cape Town/ZA) | Part 2a – T-shaped fracture infrapetineal plate (demo)  
|                    |                                                          |                          |                                                                      | Part 2b – Suprapetineal plate  
<p>|                    |                                                          |                          |                                                                      | Part 2c – ABC through II                                               |
| 16:20              | COFFEE BREAK                                            |                          |                                                                       |                                                             |
| 16:40–19:00        | <strong>Small group discussions</strong>                             | Dorint hotel/rooms Elbe 1+2, Fleet 1, Fleet 2 |                                | End of day II/free evening                                      |</p>
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:00–09:40</td>
<td>Acetabular fractures – alternative approaches</td>
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<tr>
<td>Chairs</td>
<td>Anthony Ward (Bristol/GB) Klaus A. Siebenrock (Bern/CH)</td>
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<tr>
<td>08:00</td>
<td>Trochanteric flip</td>
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<td>Klaus A. Siebenrock (Bern/CH)</td>
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<td>08:20</td>
<td>AIP/Stoppa</td>
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<td>Henry C. Sagi (Seattle, WA/US)</td>
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<td>08:40</td>
<td>Pararectus approach</td>
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<td>Marius Keel (Bern/CH)</td>
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<td>09:00</td>
<td>The case for two approaches</td>
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<td>Klaus A. Siebenrock (Bern/CH)</td>
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<td>09:20</td>
<td>Discussion</td>
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<td>09:40</td>
<td>COFFEE BREAK</td>
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<th>Time</th>
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<tbody>
<tr>
<td>10:00–11:45</td>
<td>Acetabular fractures – reduction and fixation techniques</td>
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<tr>
<td>Chairs</td>
<td>Johannes M. Rueger (Hamburg/DE) Pierre Guy (Vancouver/CA)</td>
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<td>10:00</td>
<td>Reduction and fixation through the KL approach</td>
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<td>Pierre Guy (Vancouver/CA)</td>
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<td>10:20</td>
<td>Reduction and fixation through the II approach</td>
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<td>Johannes M. Rueger (Hamburg/DE)</td>
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<tr>
<td>10:40</td>
<td>Reduction and fixation through the AIP approach</td>
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<td>Michael T. Archdeacon (Cincinnati, OH/US)</td>
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<tr>
<td>11:00</td>
<td>Reduction and fixation through the extended iliofemoral approach</td>
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<td>Mark C. Reilly (Newark, NJ/US)</td>
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<td>11:20</td>
<td>Discussion</td>
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<td>11:45</td>
<td>LUNCH BREAK</td>
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</tbody>
</table>
Groups XI–XX
Department of Anatomy/dissecting room

12:30 Walk to the lab
12:45 Introduction
Mark C. Reilly (Newark, NJ/US)

Groups XI–XX
13:00–15:15
Department of Anatomy/dissecting room

**Practical session I**

For each approach
1. Technical lecture and diagrammatic slides
2. Video
3. Practical exercises by groups

Kocher-Langenbeck (right hemipelvis)
Emanuel Gautier (Bern/CH)

Posterior approach SIJ (left hemipelvis)
Pierre Guy (Vancouver/CA)

15:15 COFFEE BREAK

Groups XI–XX
15:35–18:00
Department of Anatomy/dissecting room

**Practical session II**

Ilioinguinal (right hemipelvis)
Mark C. Reilly (Newark, NJ/US)

AIP/Stoppa (AIP/Stoppa window only, left hemipelvis)
Michael T. Archdeacon (Cincinnati, OH/US)

18:00 COFFEE BREAK

Groups XI–XX
18:15–19:00
Department of Anatomy/lecture hall

**Video session and discussion**

Extended iliofemoral
Mark C. Reilly (Newark, NJ/US)

KL with trochanteric flip
Klaus A. Siebenrock (Bern/CH)

Smith Petersen
Mark Rickman (Adelaide, SA/AU)

19:00 End of day III/free evening
Scientific program • Wednesday, 27 September

Groups I–X
12:30–14:00 Practical exercise part I (sawbones)
Dorint hotel/rooms Elbe 1+2

Chairs
Wolfgang Lehmann (Göttingen/DE)
Jerome Tonetti (Grenoble/FR)

Part 1a – Reduction and fixation of sacroiliac fracture dislocations
Part 1b – Associated transverse and posterior wall fracture

14:00 COFFEE BREAK

Groups I–X
14:20–16:20 Practical exercise part II (sawbones)
Dorint hotel/rooms Elbe 1+2

Chairs
Henry C. Sagi (Seattle, WA/US)
Upender Martin Singh (Copenhagen/DK)

Part 2a – T-shaped fracture infrapectineal plate (demo)
Part 2b – Suprapectineal plate
Part 2c – ABC through II

16:20 COFFEE BREAK

16:40–19:00 Small group discussions
Dorint hotel/rooms Elbe 1+2, Fleet 1, Fleet 2

19:00 End of day III/free evening
### Pelvic fractures – results and complications

**08:30** Complications and results in pelvic fractures  
Anthony Ward (Bristol/GB)

**08:50** Delayed reconstruction/correction of malunited pelvic fractures  
Johannes M. Rueger (Hamburg/DE)

**09:10** Prevention of VTE and HO after pelvic/acetabular surgery  
Vincenzo Giordano (Rio de Janeiro/BR)

**09:30** Discussion

### Acetabular fractures – results-complications, delayed reconstruction, role of arthroplasty

**09:50** Assessment of reduction  
Mez Acharya (Bristol/GB)

**10:10** Immediate and long term results of surgical treatment of fractures operated within 3 weeks post-injuries  
Joel M. Matta (Santa Monica, CA/US)

**10:20** COFFEE BREAK
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>10:40–12:20</td>
<td><strong>Acetabular fractures – results-complications, delayed reconstruction, role of arthroplasty – continued</strong></td>
</tr>
<tr>
<td>Chairs</td>
<td>Mark C. Reilly (Newark, NJ/US)</td>
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<td>Johannes M. Rueger (Hamburg/DE)</td>
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<tr>
<td>10:40</td>
<td>Osteoporotic acetabular fractures – techniques of reduction and fixation</td>
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<tr>
<td>11:00</td>
<td>Delayed reconstruction of acetabular fractures</td>
</tr>
<tr>
<td>11:20</td>
<td>Indication and revision in surgical malreductions</td>
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<tr>
<td>11:40</td>
<td>Acute total hip arthroplasty for acetabular fractures</td>
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<td>12:00</td>
<td>Discussion</td>
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<tr>
<td>12:20</td>
<td><strong>Take home pearls from the course</strong></td>
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<tr>
<td>12:30</td>
<td><strong>Summary remarks, course evaluation</strong></td>
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<tr>
<td>12:40</td>
<td><strong>End of course</strong></td>
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</table>
We would like to invite you to spend a convivial evening with all participants and speakers of the Letournel Course at the restaurant “Au Quai”, which is a unique location with a beautiful view onto the river Elbe.

<table>
<thead>
<tr>
<th>Date</th>
<th>25 September</th>
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<tbody>
<tr>
<td>Beginn</td>
<td>19:45 h</td>
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<tr>
<td>Venue</td>
<td>Restaurant “Au Quai”</td>
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<tr>
<td></td>
<td>Große Elbstraße 145 B–D</td>
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<td>22767 Hamburg/DE</td>
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<tr>
<td>Costs</td>
<td>60 EUR/person</td>
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<tr>
<td>Shuttle starting time</td>
<td>19:15 h</td>
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<tr>
<td>Shuttle starting point</td>
<td>Main entrance of the Dorint hotel</td>
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<tr>
<td>Shuttle return time</td>
<td>23:00 h (to the Dorint hotel)</td>
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GENERAL INFORMATION

Certificate of attendance
Certificates of attendance will first be made available on the last day of the course at the check-in desk. The check-in desk is located in the foyer of the Dorint hotel.

Name badge
Please wear your name badge during all course events, including the networking activities.

Evaluation
Please take a few moments to fill out the evaluation form to help us refine and improve our program. You can hand in your evaluation form at the check-in desk. Thank you.

WIFI access
WIFI is available for free throughout the whole course in the Dorint hotel. Please ask at the check-in desk for the login data.

Submission of a presentation/technical information
The presentation should be prepared as PDF, MS Office PowerPoint2007, 2010 for Windows or key for Macintosh DVD in format 4:3. A presentation notebook with a PDF reader and MS Office PowerPoint 2010/2007 will be provided. The use of personal notebooks is possible upon agreement. However, it may interrupt the flow of the program in the lecture hall. Please provide an adapter for VGA if necessary. To guarantee a smooth running program please upload your presentation in due time – at least 2 hours before your presentation is due to start.

Presentation upload
The presentation upload is possible directly in the lecture room. For submission, please use a USB flash drive, CD or DVD disc that is not protected by any software.

Sponsor

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A surgeon must always rely on his or her own professional clinical judgment when deciding whether to use a particular product when treating a particular patient. Stryker does not dispense medical advice and recommends that surgeons be trained in the use of any particular product before using it in surgery. The information presented is intended to demonstrate the breadth of Stryker product offerings. A surgeon must always refer to the package insert, product label and/or instructions for use before using any Stryker product. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area. Stryker Corporation or its divisions or other corporate affiliated entities own, use or have applied for the following trademarks or service marks: AxSOS 3, PRO, Stryker, VariAx. All other trademarks are trademarks of their respective owners or holders.

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Only by truly understanding the challenges you face can we ensure our entire portfolio best fits your needs. With anatomically contoured plates designed or validated using our proprietary SOMA technology, streamlined instrumentation and expert representatives, we ensure every component in our portfolio works for you.

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