**SCIENTIFIC PROGRAMME**

**WEDNESDAY, 19 SEPTEMBER 2012**

16.00  Registrations Opening

18.00 - 19.30  Board Meeting

20.00  Board Dinner exclusively sponsored by I.T.S. GmbH

**THURSDAY, 20 SEPTEMBER 2012**

8.00 - 9.00  Registration

9.00 - 9.20  Congress Opening

G. Gradl, T. Mittlmeier, H.-W. Stedtfeld

Special lecture: Küntscher's Inspirations

P. Procter

EX-T1

9.20 - 10.50  Nailing around the foot

Chairmen: H. Zwipp, P. Simon

Locking nailing for displaced articular fractures of the calcaneus: an innovative procedure with the Calcanaill®.

P. Simon¹, M. Goldzak².

¹ Chirurgie orthopédique et traumatologique, Centre hospitalier St. Joseph St. Luc, Lyon, France, ² Clinique de l'Union, St. Jean, France

Calcaneal fractures. Biomechanical comparative study comparing plating vs. calcanaill in cadaveric bones.

M. Goldzak¹, M. Chaussemier², R. Chieragatti².

¹ Clinique de l’Union, Saint Jean, France, ² l’Institut Supérieur de l’Aéronautique et de l’Espace, Toulouse, France

Closed reduction and percutaneous screw fixation of comminuted calcaneal fractures.

F. Ortner.

Department of Traumatology, Landesklinikum Wiener Neustadt, Vienna, Austria

L-T1.1

L-T1.2

L-T1.3

L-T1.4

L-T1.5

L-T1.6

10.10 - 10.20  Discussion

**10.30 - 10.50  Key-note lecture: Nailing in foot surgery**

H. Zwipp

**10.50 - 11.20  Coffee Break**

**11.20 - 12.35  Nailing in reconstructive surgery and nonunions**

Chairmen: P.V. Giannoudis, A.N. Chelnokov

Closed Nailing in Valgus Intertrochanteric Osteotomy.

A.N. Chelnokov, A. Shalin, A. Bogatkin.

Orthopaedic Trauma, Intra-Ligamental Institute of Traumatology and Orthopaedics, Ekaterinburg, Russia

The acute correction deformities of the tibia with tibial nail using the new Monoblock Distal Locking Screw (MBDSLS).


Department of Orthopaedics and Traumatology, Umraniye Education and Research Hospital, Istanbul, Turkey

Long-term results with re-nailing for nonunions of the femoral shaft.

I. Gerov¹, N. Tzachev².

¹ Orthopaedic Surgery, Tokuda Hospital, Sofia, Bulgaria, ² Orthopaedic Trauma, Military Hospital, Sofia, Bulgaria

The treatment of the long bone nonunions with intramedullary nail.

N. Saglam, T. Kurtunmus, G. Saka, E. Demirel, M. Imam, F. Akpinar.

Orthopaedic and Traumatology, Umraniye Education and Research Hospital, Istanbul, Turkey

The long Telegraph Nail for humeral shaft fractures – How to avoid non-union.


Department of Orthopaedics, CHU Metz-Thionville, Metz, France

12.35 - 12.50  Key-note lecture: Nailing in reconstructive surgery and nonunions

P.V. Giannoudis

**12.50 - 14.30  Lunch break, Lunch Workshops:**

- How to do best tibial nailing
- How to do best calcaneal nailing

**14.30 - 15.50  New Concepts**

Chairmen: T. Mittlmeier, M. Wich

Development of the Telegraph nail for proximal humeral fractures.

C. Cuny¹, T. Goetzmann², M.B. Imazi³, A. Berrichi¹, D. Dedome³, D. Mainard².

¹ Department of Orthopaedics, CHU Metz-Thionville, Metz, France, ² Department of Orthopaedics, CHU de Nancy, Nancy, France
### Scientific Programme

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.00 - 15.12</td>
<td>Discussion</td>
<td>Department of Trauma and Reconstructive Surgery, University of Rostock</td>
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<tr>
<td>15.30 - 15.40</td>
<td>Key-note lecture: Revolutionary technologies and their clinical impact.</td>
<td>KN-T3</td>
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<tr>
<td></td>
<td>From K nails to Glue.</td>
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<td>P. Procter</td>
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<td>15.50 - 16.20</td>
<td>Coffee Break</td>
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<tr>
<td>16.20 - 18.10</td>
<td>Nailing of the Tibia</td>
<td>T4</td>
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<td>Chairmen: P. Rommens, C. Josten, K.-H. Frosch</td>
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<td></td>
<td>Long-term stability of angle-stable versus conventional locked intramedullary nails in a distal tibia fracture model.</td>
<td>L-T4.1</td>
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<td></td>
<td>D. Wåhler1, T. Stolarczyk2, T. Mücke2, G. Hofmann1, C. Kösters1, M. Raschke1.</td>
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<td></td>
<td>1 Trauma, Hand and Reconstructive Surgery, University Hospital Münster, Münster, Germany, 2 Trauma, Hand and Reconstructive Surgery, University Hospital Jena, Jena, Germany</td>
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<td>17.00 - 17.10</td>
<td>Discussion</td>
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<td>17.30 - 18.10</td>
<td>Key-note lecture: How to do the best proximal tibia nailing</td>
<td>KN-T4</td>
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<td>K.-H. Frosch</td>
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<td>18.00 - 19.30</td>
<td>Welcome Reception</td>
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**Day 1**

- **Morphological Analysis of a novel poly-axial intramedullary nailing concept for the treatment of proximal humerus fractures.**
  - 1 BG Trauma Center Tübingen, Tübingen, Germany, 2 University of Applied Science, Munich, Germany, 3 Clinic for Trauma Surgery, Klinikum rechts der Isar, Technische Universität München, Munich, Germany, 4 BG Trauma Center Mannau, Mannau, Germany.

- **Press-on interlocking – a new concept of fracture near fixation leads to early callus mineralization.** An experimental study.
  - Department for Trauma and Reconstructive Surgery, University of Rostock, Rostock, Germany.

- **Evaluation of an innovative combined magnetic and manual targeting device for distal locking of intramedullary nails.**
  - L. L. Neppi, V. Wescel.
  - Department of Trauma Surgery, Medical University of Vienna, Himberg/Vienna, Austria.

**Day 2**

- **Treatment of tibia fractures with unreamed andreamed intramedullary nailing in adults.**
  - Department of Orthopaedics and Traumatology, University of Istanbul, Istanbul, Turkey.

- **Nailing for pilon fractures in disadvantaged patients.**
  - Department of Orthopaedics, University of Louisville Hospital, Louisville, USA.

- **Angle stable versus conventional distal tibia nail locking screws – a biomechanical study on fatigue performance.**
  - 1 AO Research Institute Davos, Davos, Switzerland, 2 Department of Traumatology, Hand and Reconstructive Surgery, Friedrich-Schiller-University Jena, Jena, Germany, 3 Department of Medical Technology Development, BG Trauma Hospital Tübingen, Tübingen, Germany.

- **Prevalence and risk factors of reinterventions following reamed Intramedullary Tibia Nailing.**
  - Academic Department of Trauma & Orthopaedics, Leeds General Infirmary, Leeds, United Kingdom.

**Day 3**

- **The Use of intraarticular semi extended technique for treatment of tibial fractures.**
  - C. Herrn, M. Gral.

- **The PolyAxNail: Development and Evaluation of a Novel Poly-Axial and Angle-Stable Intramedullary Nailing Concept for the Proximal Humerus.**
  - A. Lenich1, U. Schreiber1, S. Eichhorn1, S. Döbeli1, R. Burghart1, A. Irholf1.
  - 1 Orthopaedics, Klinikum rechts der Isar, Technische Universität München, Munich, Germany, 2 University of Applied Science, Munich, Germany, 3 BG Trauma Center Tübingen, Tübingen, Germany.

- **Key-note lecture: How to do the best distal tibial nailing.**
  - Department of Orthopaedics and Traumatology, University of Istanbul, Istanbul, Turkey.

- **Infection in tibial fractures treated with L.N.**
  - M. Sowmya, T. Michal, I. Bisinis, I. Theodorou, G. Gkouvas.
  - 1 Orth. Department, 424 Gen. Military Hospital, Thessaloniki, Greece.

- **Tibial head fractures: results after angular stable plate osteosynthesis.**
  - S. Mândrin, M. Helateau, M. Dahre, P. Schwabe, N. Haas, K.-D. Schaser.
  - Centre for Musculoskeletal Surgery, Charité - University Medicine Berlin, Berlin, Germany.

- **A 'tibia nail for human identification – a local forensic case.**
  - A. Dieter, J. Manhart, A. Büttner.
  - 1 Department for Trauma and Reconstructive Surgery, University of Rostock, Rostock, Germany, 2 Forensic Pathology, University of Rostock, Rostock, Germany.

- **Long-term stability of angle-stable versus conventional locked intramedullary nails in a distal tibia fracture model.**
  - D. Wåhler1, T. Stolarczyk2, T. Mücke2, G. Hofmann1, C. Kösters1, M. Raschke1.
  - 1 Trauma, Hand and Reconstructive Surgery, University Hospital Münster, Münster, Germany, 2 Trauma, Hand and Reconstructive Surgery, University Hospital Jena, Jena, Germany.
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**Scientific Programme**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session III Hints, Pitfalls and Complication Management in Proximal Femur Nailing</th>
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</thead>
<tbody>
<tr>
<td>16.20 - 17.40</td>
<td>Chairman: R. Zura, W. Friedl, G. Graul</td>
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<tr>
<td></td>
<td>Complications and techniques of proximal femoral fractures with the TARGON PF.</td>
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<td>N. Tzachev, H. Morstuck, M. Ate, K. Yasui, H. Eisino, M. Kirchmaier</td>
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<td>Orthopaedics, Klinikum Südstadt, Rostock, Germany</td>
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<td>Failure of proximal femur fractures after intramedullary stabilisation with Gamma 3 nail, a retrospective analysis.</td>
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<td>P. Haar, Zentrum für Orthopädie/Urbah- und Handchirurgie, Klinikum Südstadt, Rostock, Germany</td>
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<td>Femoral neck collapse after internal fixation of intracapsular hip fractures.</td>
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<td>M. Parker, Orthopaedic Department, Peterborough City Hospital, Peterborough, United Kingdom</td>
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<td>Z-effect after intramedullary nailing systems for trochanteric femur fractures.</td>
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<td>S.J.M. Smeets, G. Kuijt, P. van Eerten, Department of Surgery, Maxima Medical Centre, Veldhoven, The Netherlands</td>
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<table>
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<tr>
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<tr>
<td>15.00 - 15.10</td>
<td>The Tigen®/Intertan Nail (Smith&amp;Nephew Co.) for treatment of proximal femoral fractures.</td>
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<td>C. Herrem, M. Graf, Medizinisches Zentrum Städt Region Aachen GmbH, Klinik für Unfall-, Hand- und Wiederherstellungschirurgie, Wiesbaden, Germany</td>
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<td>Proximal femoral nailing with continuous manual traction.</td>
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<td>N. Saglam, T. Kürümüs, G. Saka, B. Kibar, U. Oztürk, F. Akpınar, Department of Orthopaedics and Traumatology, University Education and Research Hospital, Istanbul, Turkey</td>
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<td></td>
<td>Neck of Femur Fractures in Patient’s aged over 85 Years – are they a unique subset?</td>
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<td>A. Moog, A. Grey, D. Deehan, Orthopaedic Trauma Unit, Newcastle upon Tyne, Newcastle upon Tyne, England</td>
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<td>The effectiveness of a distal target device in the use of long gamma nail.</td>
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<td>S. Paraschour, M. Savvidis, G. Chatziliadis, G. Koutoulas, A. Karanikolas, A.O.R. Department, Kilkis General Hospital, Kilkis/Thessaloniki, Greece</td>
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<td>15.30 - 15.50</td>
<td>Key-note Lecture: How to do the best proximal femoral nailing.</td>
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<td>M. Klosab</td>
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<td>Coffee Break</td>
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<tr>
<th>Time</th>
<th>Lateral cortical notching in specific cases of delayed unions or nonunions after intertrochanteric and reversed fractures.</th>
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<tbody>
<tr>
<td>17.40 - 18.30</td>
<td>Chairman: D. Seligson, L. Lehmann</td>
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<td>Death by Trauma 2010: Mortality and Trauma Mechanisms in Berlin, Germany.</td>
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<td>Injury, opioids and incarceration.</td>
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<td>D. Preston, Psychiatry, Centre for Cognitive Therapy, Louisville, USA</td>
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<td>Relationship between pre-fracture characteristics and perioperative complications in the elderly hip fracture patient, predictors of LOS.</td>
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<td>R. Zura, Orthopaedics Department, Duke, Durham, USA</td>
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<td>S. J.M. Smeets, M. Posse, J.P.A.M. Veenhoven, Department of Surgery, Maxima Medical Centre, Veldhoven, The Netherlands, 2 Department of Surgery, Maastricht University Medical Centre, Maastricht, The Netherlands</td>
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<tr>
<th>Time</th>
<th>Gala Dinner</th>
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<td>20.30</td>
<td>Gala Dinner</td>
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**R-F4.4**

**L-F4.2**

**L-F5.4**

**L-F5.3**

**L-F5.2**

**L-F5.1**

**L-F5.5**

**R-F5.1**

**R-F5.2**

**KN-F5**

**F6**

**F6**

**L-F6.3**

**R-F6.1**

**R-F6.1**

**R-F6.2**

**R-F6.1**
Scientific Programme

Saturday, 22 September 2012

9.00 - 10.20
Nailing for forearm and hand fractures
Chairman: K. Aktuglu, H.-J. Baij, G. Saka, V. Dubrov

The Treatment of Adult Isolated Radius/Ulna Diaphysis Fractures with Intramedullary Radius/Ulna Nail.
Department of Orthopaedics, Umraniye Training and Research Hospital, Istanbul, Turkey

Operative treatment of the greater and lesser arc wrist injuries.
G. Pavic*, F. Mergert**, M. Mabov*
1 Department of Hand Surgery, University Clinic of Traumatologie, Zagreb, Croatia, 2 Department of Radiology, University Clinic of Traumatologie Zagreb, Croatia

Intramedullary fixation of intra-articular distal radius fractures – first results for the Tragon DR
S.S.I. Falk, M. Wendt, T. Mittlmeier, P. Gierer, G. Gradl
Department for Trauma and Reconstructive Surgery, Centre for Musculoskeletal Surgery, Charité - University Medicine Berlin, Germany

9.30 - 9.40
Discussion

10.00 - 10.20
Nailing for forearm and hand fractures
G. Saka, V. Dubrov

10.20 - 10.50
Coffee Break

10.50 - 11.50
Experimental Forum
Chairmen: B. Vollmar, A.N. Chehrykov

Micro-CT and osteodensitometry in osteoporotic bone: who is right?
P. Herlyn*, N. Cornelius*, D. Haftner*, C. Kasch*, T. Mittmeier*, D.-C. Fischer*. 1 Department of Traumatology and Reconstructive Surgery, University of Rostock, Rostock, Germany, 2 Clinic for Paediatric Kidney, Liver and Metabolic Diseases, Hannover Medical School, Hannover, Germany, 3 Department of Orthopaedics, University of Rostock, Rostock, Germany, 4 Department of Paediatrics, University of Rostock, Rostock, Germany

CRPS: Early decompression treatment in a rat model.
A. Schiebels*, G. Gradl*, T. Mittmeier*, B. Vollmar*, P. Herlyn*
1 Department for Trauma and Reconstructive Surgery, University of Rostock, Rostock, Germany, 2 Institute for Experimental Surgery, University of Rostock, Rostock, Germany

CRPS: The role of minimal nerve injury in a rat model.
Z. Wang*, G. Gradl*, T. Mittmeier*, B. Vollmar*, P. Herlyn*
1 Institute for Experimental Surgery, University of Rostock, Rostock, Germany, 2 Department of Traumatology and Reconstructive Surgery, University of Rostock, Rostock, Germany

The Effect of Immunonutrition (Glutamine, Alanine) on Fracture Healing.
A. Kucukalp, K. Durak1, G. Sonmez2, S. Bayyurt1, M.S. Bilgen1, 1 Department of Orthopaedics and Traumatology, Uludag University Faculty of Medicine, Bursa, Turkey, 2 Department of Pathology, Uludag University Faculty of Medicine, Bursa, Turkey

Antithrombin reduces inflammation and microcirculatory perfusion failure in closed soft tissue injury and endotoxemia.
P. Gierer*, F. Laue*, R. Roter*, G. Gradl*, T. Mittmeier*, B. Vollmar*. 1 Institute of Trauma and Reconstructive Surgery, University of Rostock, Rostock, Germany, 2 Institute for Experimental Surgery, University of Rostock, Rostock, Germany

Type II diabetes mellitus does not degrade skeletal muscle regeneration following severe soft tissue trauma in rat.
R. Roter*, B. Schopp*, I. Stratos*, P. Gierer*, B. Vollmar*, T. Mittmeier*. 1 Department of Trauma and Reconstructive Surgery, University of Rostock, Rostock, Germany, 2 Institute for Experimental Surgery, University of Rostock, Rostock, Germany

Inhibition of caspase mediated apoptosis restores muscle function after crush injury in rat skeletal muscle.
I. Stratos*, Z. Li*, R. Roter*, P. Herlyn*, T. Mittmeier*, B. Vollmar*
1 Institute of Experimental Surgery, University of Rostock, Rostock, Germany, 2 Department for Trauma and Reconstructive Surgery, University of Rostock, Rostock, Germany

11.20 - 11.30
Discussion

11.30 - 11.50
Key-note Lecture: Nailing in Experimental Settings
B. Vollmar

11.50 - 12.00
Break
12.00 - 12.50  
Varia  
Chairmen: M. Kloub, P. Gierer  

Intramedullary Stabilization of dislocated midclavicular fractures with Rockwood Pin.  
Traumatology, Klinikum Frankfurt (Oder), Frankfurt (Oder), Germany  

The Angular Stable Transiliac Lumbopelvic Fixation in Unstable Sacral and Pelvic Fractures.  
G. Müller, J. Madert, K.-H. Frosch.  
Centre for Surgery and Traumatology, Asklepiosklinik St. Georg – Hamburg, Hamburg, Germany  

Retrospective analysis of the oncosurgical management of bone metastases of the upper extremity.  
Centre for Musculoskeletal Surgery, Charité- University Medicine Berlin, Berlin, Germany  

Treatment of Sternum fractures.  
L. Lindemann-Sperfeld1, M. Steinert2.  
1 Department for Trauma and Reconstructive Surgery, Krankenhaus Martha-Maria Halle-Dölau, Akademisches Lehrkrankenhaus der Martin-Luther-Universität Halle-Wittenberg, Dölau, Germany.  
2 Department for Thoracic Surgery, Akademisches Lehrkrankenhaus der Martin-Luther-Universität Halle-Wittenberg, Dölau, Germany.  

12.30 - 12.40  
Discussion  

Influence of the pathogen spectrum after traumatic amputations and type IIIC open fractures on the initial antibiotic therapy.  
M. Giesecke1, C. Kleber2, C.A. Becker2, R.A. Schiller3, N.P. Haas2, K.D. Schaser1.  
1 Centre for Musculoskeletal Surgery, Charité-Universitätsmedizin, Berlin, Germany.  
2 Department of Microbiology, Charité-Universitätsmedizin, Berlin, Germany.  

12.50 - 13.00  
Break  

13.00 - 13.20  
Award Ceremony and Closing Remarks  

13.20 - 14:20  
Packed Lunches