Scientific Programme as of January 29, 2016

Sunday, April 24, 2016 ................................................................................................................. 2
Monday, April 25, 2016 .................................................................................................................. 16
Tuesday, April 26, 2016 .................................................................................................................. 30

Organising Committee

Stephanie Arbes (Vienna, Austria)
Richard Kdolsky (Vienna, Austria)
Roman Ostermann (Vienna, Austria)
Hans-Christoph Pape (Aachen, Germany)
Andreas Shamiyeh (Linz, Austria)
Harald Widhalm (Vienna, Austria)
Eric Voiglio (Lyon, France)
Sunday, April 24, 2016

08:30 – 10:00
Room Strauss

**ICL**

**Bleeding**

Chairs: Tina Gaarder, Oslo/NO & Andreas Shamiyeh, Linz/AT

1. Pre-hospital management of haemorrhagic shock
   Gareth Davies, London/UK
2. Haemorrhagic shock - past; present, future
   Tina Gaarder, Oslo/NO
3. Massive blood transfusion
   David Muckart, Durban/ZA
4. New clotting agents
   Andreas Shamiyeh, Linz/AT
5. Vascular and endovascular damage control in massive bleeding
   Giannis Kakisis, Athens/GR

08:30 – 10:00
Room Stolz

**Keynote Session**

**Sports medicine – upper extremity**

Chairs: Dominik Heim, Frutigen/CH & Roman Ostermann, Vienna AT

1. **Keynote Lecture: Typical injuries in Summer & Winter sports**
   Rebecca Hasler, Frutigen/CH
2. Injuries of the upper extremity and prevention in equine related sports.
   M. Bielefeld, C. Schrötter, A. Schulte-Sutum, D. Bielefeld, P. Mommsen, C. Krettek, C. Zeckey; Hannover, DE
3. „ The LabralBridge“ - A Novel Technique for Arthroscopic Anatomic Knotless Bankart Repair
   R. Ostermann, M. Hofbauer, P. Platzer; Vienna, AT
4. Clinical outcome and pain relief after arthroscopic repair of isolated type II SLAP lesions - The progress over time
   S. Bösmüller¹, T. Tiefenboeck¹, M. Hofbauer¹, A. Bukaty¹, G. Oberleitner², W. Huf¹, C. Fialka¹; Vienna, AT, ²St. Poelten, AT
5. **Keynote Lecture: Conservative treatment of collarbone fractures – a myth has gone?**
   Dominik Heim, Frutigen/CH
6. Plate fixation versus nonoperative treatment for displaced midshaft clavicular fractures: a randomized controlled trial
   S. Woltz⁴, S. Stegeman⁵, P. Krijnen⁴, B. van Dijkman⁴, T. van Thiel⁴, N. Schep⁵, P. de Rijcke⁶, J.P. Frölke⁷, I. Schipper⁸; ¹Den Haag, NL, ²Leiden, NL, ³Almere, NL, ⁴Winterswijk, NL, ⁵Amsterdam, NL, ⁶Capelle Aan Den Iissel, NL, ⁷Nijmegen, NL
7. Minimal invasive plate osteosynthesis in midshaft clavicular fractures
   P. Kornherr, K. Wenda; Wiesbaden, DE
8. Rapid Prototyping in Clavicle Fractures repair: clinical study
   R. van Doremalen¹, J. Kootstra², S. van Helden³, E. Hekman⁴; ¹Wijbosch, NL, ²Meppel, NL, ³Zwolle, NL, ⁴Enschede, NL

08:30 – 10:00
Keynote Session
Education and Training
Chairs: Pedro Ramos, Funchal/PT & Miriam Rüsseler, Frankfurt/DE

1. Keynote Lecture: Development of surgical competencies
   Miriam Rüsseler, Frankfurt/DE

2. Remote surgical education - can surgical skills be taught remotely?
   W. English¹, V. Buckle², O. Trampleasure², A. Jawad³, S. ahmed³; ¹London, UK, ²Bb, UK

3. Severity, social and educational profile of the caregiver and the child victim of unintentional trauma injuries. A study conducted by NGO Criança Segura - Safe Kids Brazil
   S. Abib, A. Françóia, R. Waksman, M. Dolci, H. Guimarães, F. Moreira, M. Cezillo, A. Júnior; São Paulo, BR

4. Can we balance service provision and emergency general surgical training? A trainees’ Perspective
   V. Shatkar¹, P. Leung², D. Mukherjee²; ¹Romford, London, UK, ²Romford, UK

5. The need for a continuous educational program: the results after 1 year of Clinical Pathway on Acute Calculus Cholecystitis
   M. Pisano, A. Allegri, M. Ceresoli, F. Coccolini, A. Harbi, M. Lotti, S. Magnone, R. Manfredi, G. Montori, D. piazzalunga, E. Poiasina, L. Ansaloni; Bergamo, IT

6. The training and provision of personal protective equipment for vascular trainees in the UK: A re-audit into Ionising Radiation (Medical Exposure) Regulations
   C. Dover¹, S. Goodyear²; ¹Craven Arms, UK, ²Worcester, UK

7. Quality management of acute care surgery training program based on PDCA cycle
   K. Murata¹, Y. Otomo², K. Fushimi²; ¹8519, JP, ²Tokyo, JP

8. Mass catastrophe training in a civil university hospital, 5 years after start of polytrauma management.
   A. Visnakovs, S. Stabina, A. Kaminskis; Riga, LV

9. Bedside Extended Focused Assessment Sonography for Trauma training for undergraduate medical students
   F. Abu-Zidan, Al-Ain, AE
08:30 – 10:00
Free Paper Session
Politics
Chairs: Fernando Turegano, Madrid/ES & Christian Fialka, Vienna/AT

1. Why are we so unconsciously insecure? The THREATS Project
   R. Faccincani¹, M. Carlucci¹, G. Monti¹, S. Vicini¹, C. Morey², M. Massey², C. Arculeo², C. Dakin², R. Dobson², F. Della Corte³, P. Ingrassia³, A. Djalali³, A. Guinet⁴, I. Ashkenazi⁵; ¹Milano, IT, ²London, UK, ³Vercelli, IT, ⁴Lyon, FR, ⁵Hadera, IL

2. Narcotic overprescribing and abuse
   D. Easley, K. Himschoot, S. Kibbe; Louisville, US

3. Plastics Operative Workload in Major Trauma Centres: a National Prospective Survey

4. Pediatric Trauma Scores – Systematic Review and Needs Assessment in Low-Resource Settings
   E. St-Louis¹, J. Séguin², T. Landry², D. Deckelbaum², R. Baird², T. Razek²; ¹Montreal, CA, ²Montreal, QC/CA

5. A decade of Advanced Trauma Life Support Training in the United Arab Emirates: Lessons learned
   F. Abu-Zidan¹, S. Gautam², F. Branicki¹; ¹Al-Ain, AE, ²Fujairah, AE

6. Loss to follow-up in orthopaedic trauma: fact or fiction?
   B. Zelle¹, J. Somerson¹, K. Bartush¹, J. Shroff¹, M. Bhandari²; ¹San Antonio, TX/US, ²Hamilton, ON/CA

7. The Austrian Hand Prevention Campaign to avoid hand injuries
   M. Leixnering, C. Pezzei, J. Jurkowitsch, C. Szolarz, S. Quadlbauer, T. Hausner; Vienna, AT

8. Prevention strategies and cost analysis of complex hand injuries
   S. Quadlbauer, C. Pezzei, J. Jurkowitsch, C. Szolarz, T. Hausner, M. Leixnering; Vienna, AT

08:30 – 10:00
Guest Symposium Küntscher Society

08:30 – 10:00
Keynote Session
Geriatrics
Chairs: Diego Mariani, Milan/IT & Josef Holzinger, Salzburg/AT

1. Keynote: Palliation in malignant gastric outlet obstruction
   Diego Mariani, Milan/IT

2. Outcome of Polytraumatized Geriatric Patients in a Level One Trauma Center
   M. Hofbauer, M. Winnisch, T. Tiefenböck, J. Jöstl, S. Hajdu; Vienna, AT
   R. de Vries, M. El Moumni, I. Reininga, K. Wendt; Groningen, NL
4. Does the first hospital providing care determine the outcome of geriatric trauma patients?
   M. Fröhlich¹, R. Lefering², P. Koenen², A. Driessen², B. Bouillon², A. Wafaisade²; ¹Köln, DE, ²Cologne, DE
5. Geriatric polytrauma patients with severe pelvic fractures: Comparison with younger adult patients.
   S. Kanezaki, M. Miyazaki, N. Otani, H. Tsumura; Yufu, JP
6. Diabetes and mortality in orthogeriatric neck of femur fracture patients
   O.S. Thein, K. Dasari, E. Hirons; West Bromwich, UK
7. The burden of infection in polytraumatized geriatric trauma patients
   C. Weber¹, C. Herren¹, R. Pfeifer¹, K. Horst¹, F. Hildebrand², M. Knobe¹, H. Pape¹; ¹Aachen, DE, ²Marburg, DE
8. Bacteriuria and urinary tract infection associated with proximal femur fractures
   M. Tomaževič, G. Makovec, A. Fischinger, M. Cimerman, M. Veselko; Ljubljana, SI

10:30 – 12:00 Room Strauss
ICL
Mangled extremity in war, disaster and civil
Chair: Bore Bakota, Zagreb/HR & Stephan Domayer, Zicksee/AT

1. Management of mangled extremity in military setting
   Frederic Rongieras, Lyon/FR
2. Limits of reconstruction
   Alex Lerner, Zerfat/IL
3. How to perform correct amputation?
   Thomas Hölzenbein, Salzburg/AT
4. How to train performing a correct amputation
   Mark Bowyer, Fairfax/US
5. Bionic Prosthesis - where are we now?
   Oskar Aszmann, Vienna/AT
6. 

10:30 – 12:00 Room Stolz
ICL
Complicated cholecystitis
Chair: Hayato Kurihara, Milan/IT & Michael Gnant, Vienna/AT

1. Endoscopic treatment of acute cholecystitis in fragile patients
   Andrea Anderloni, Rozzano/IT
2. Laparoscopic cholecystitis when convert - when directly open?
   Reinhold Függer, Linz/AT
3. A new preoperative severity scoring system for acute cholecystitis
   Peter C. Ambe, Wuppertal/DE
4. Modern management of Mirizzi syndrome
   Michael Sugrue, Letterkenny/IE

5. Acute Cholecystitis and biliary stones: what strategy?
   George Velmahos, Boston/US

10:30 – 12:00
Room Lehar 1

Keynote Session
Innovation

1. Keynote lecture: Biomarkers in trauma and sepsis
   Soheyl Bahrami, Vienna/AT

2. APOSEC treatment improves outcome following trauma & haemorrhage in rats
   C. Penzenstadler, M. Ashmwe, A. Bahrami, A. Klotz, M. Jafarmadar, M. Kasiri, H. Ankersmit, H. Redl, S. Bahrami; Vienna, AT

3. Therapeutic hypothermia and its effect on systemic and local inflammation - results from a porcine model of combined trauma
   K. Horst1, D. Eschbach2, R. Pfeifer1, M. Sassen2, T. Steinfeldt2, H. Wulf2, N. Vogt3, M. Frink4, S. Rucholtz2, H. Pape1, F. Hildebrand2; 1Aachen, DE, 2Marburg, DE, 3Gießen, DE

   S. Moulton1, J. Mulligan2, M.A. Santoro3, K. Bui3, G. Grudic2, D. MacLeod3; 1Aurora, US, 2Boulder, CO/US, 3Durham, US

5. The IL-33/ST2 pathway in polytraumatized patients and its potential role as novel biomarker
   T. Haider, E. Simader, T. Heinz, S. Hajdu, L. Negrin; Vienna, AT

6. Serum Troponin In Patients With Traumatic Brain Injuries: Implications And Outcomes
   A. El-Menyar, H. Al-Thani, H. Abdelrahman, R. Peralta, M. Ellabib; Doha, QA

7. Female patients have lower early systemic IL-6 levels and less SIRS and sepsis after major trauma
   K. Mörs, O. Braun, B. Relja, I. Marzi; Frankfurt, DE

8. Might exogenous leptin serve as therapeutic agent for the treatment of septic traumatized patients?
   L. Negrin1, A. Jahn2, M. van Griensven2; 1Vienna, AT, 2Munich, DE

9. Targeted antioxidant treatment with mitochondrial ROS-scavengers SKQ1 and MitoTEMPO is detrimental in the mouse abdominal sepsis
   P. Rademann1, A. Weidinger2, S. Drehsler2, A. Klotz2, M. Jafarmadar2, J. Zipperle2, A. Hacopian2, S. Dumitrescu2, S. Bahrami2, A. Kotzlov2, M. Osuchowski2; 1Wien, AT, 2Vienna, AT
Scientific programme as of Thursday, January 29, 2016

**10:30 – 12:00**
Room Lehar 2

**Keynote Session**

**Chest injuries**

**Chairs:** Georgiou Chrysantos, Nicosia/CY & Eric Voiglio, Lyon/FR

1. **Keynote lecture:** Management of life-threatening chest trauma  
   **Frank Hildebrand,** Aachen/DE

2. Population-based investigation of traumatic vascular injuries in Estonia: 353 consecutive cases analysed  

3. Needle thoracostomy for tension pneumothorax: Is there a point?  
   **N. Owens**, P. Healy, M. Quirke, G. Bass, B. Monroe; 1Dublin, IE, 2Houston, TX/US

4. Resuscitative Endovascular Occlusion of the Aorta Improved In-Hospital Mortality of Surgically Treated Torso Trauma Patients with Non-Compressive Hemorrhage in Comparison of Aortic Cross Clamp – A Instrumental Variable Analysis  
   **A. Shiraishi,** M. Yagi, Y. Otomo; Tokyo, JP

5. Emergency department thoracotomy in a Western European level 1 trauma center  
   **A. Piccinini,** S. Di Saverio, L. Di Donato, A. Biscardi, A. Birindelli, M. Mandrioli, D. BegHELLI, S. VillANI, S.N. Forti Parri, K. KawamukAI, G. Tognoli; Bologna, IT

6. Surgical stabilization of combined flail chest injuries and clavicular fracture – a case series of costoclavicular injuries  

7. Surgical treatment of associated thoracic trauma and shoulder girdle fractures  
   **V. Kusturov,** A. Kusturova; Chisinau, MD

8. Our experience of the use of invasive and non-invasive analgesia in the management of thoracic trauma at a major trauma centre  
   **M. Elniel,** L. Clarke, H. Oakley, E. Bain, N. Misra; Liverpool, UK

9. Blunt traumatic diaphragmatic injury: data on 231 patients identified in the Israeli National Trauma Registry  
   **A. Mahamid**, K. Peleg, A. Givon, R. Alfici, A. Younis, I. Israeli Trauma Group, I. Ashkenazi; 1Hadera, IL, 2Tel Hashomer, IL

**10:30 – 12:00**
Room Schubert 1

**Resident Session**

**Chairs:** Gerhard Achatz, Ulm/DE & Michael Humenberger, Vienna/AT
10:30 – 12:00

Room Schubert 2

**Guest Symposium EFOST**

**Top Athletes – when first surgery fails**

Chairs: Gernot Felmet, Villingen-Schwenningen/DE & Gian Luigi Canata, Torinio/IT & Henrique Jones, Montijo/PT

1. Outcome after Ligament revision in Athletes
   Pericles Papadopoulos, Thessaloniki/GR
2. Knee Re-Trauma – how to treat the high level
   Henrique Jones, Montijo/PT
3. ACL and PCL revision- technique and rehabilitation
   Gernot Felmet, Villingen-Schwenningen/DE
4. Second trauma with instability of the shoulder
   Gian Luigi Canata, Torinio/IT
5. Focal lesion in Athletes – current management
   Burt Klos, Schijndel/NL

12:00 – 12:30

Room Strauss

**Invited Lecture – Heather Mills**

14:00 – 15:30

Room Strauss

**ICL**

**Severe Pelvic Trauma**

Chairs: Eric Voiglio, Lyon/FR & Hans-Christoph Pape, Aachen/DE

1. Indication and Limitation of pelvic binders
   Eric Voiglio, Lyon/FR
2. Packing
   Georg Thewanger, Linz/AT
3. Fixation techniques - is there a value of emergency screw fixation?
   Hans-Christoph Pape, Aachen/DE
4. Timing of reconstruction
   Anthony Rhorer, Phoenix/US
5. Quality of life after severe pelvic trauma
   Karin Gstaltner, Klosterneuburg/DE

14:00 – 15:30

Room Stolz

**Keynote Session**

**Malignant colonic obstruction**

Chairs: Beuran Mircea, Bucharest/RO & Manfred Prager, Vienna/AT

1. **Keynote Lecture: What can be solved laparoscopically?**
   Manfred Prager, Vienna/AT
2. **Keynote Lecture: Emergency operation – stoma or no stoma?**
   *Eugen Dorin Popa, Bucharest/RO*
3. Emergency colectomy for cancer: an adverse factor for appropriate oncologic surgery?
   *M. Modesti, D. Tartaglia, D. Gianardi, F. Cascione, L. Cobuccio, I. Cengeli, A. Bertolucci, C. Galatioto, M. Chiarugi; Pisa, IT*
4. Emergency Surgical Management and Outcome of Complicated Colorectal Cancer in the Elderly at a Tertiary Hospital
C.A. Menegozzo, F. Teixeira, M. Rocha, S. Couto Netto, T. Andrade Lima, E. Akaishi, C. Bernini, E. Utiyama; Sao Paulo, BR

5. Emergency Surgical Oncology in a Dedicated Cancer Centre
P. Martins, L. Rego, J. Abreu de Sousa; Porto, PT

6. Large bowel obstruction due to colorectal cancer and lymph node clearance: a results of a standardized resective strategy
P. Fransvea, B. Frezza, G. Costa, G. Balducci; Roma, IT

7. A rare cause of acute abdominal pain: Actinomyces infection of colon mimicking a malignant neoplasm due to intrauterine device

14:00 – 15:30 Room Lehar 1
ICL

**Surgery techniques in austere environments**
Chair: Chris Giannou, GR & Luke Leenen, Utrecht/NL

1. Practise surgery with limited resources
   Chris Giannou, GR

2. Surgery In austere environment, experience from Bosnia
   Ismet Gavrankapetonovic, Sarajevo/BA

3. Is early surgery with disasters sensible?
   Ofer Merin, IL

4. Surgery in austere environments, experience from MSD
   Louis Riddez, Stockholm/SE

5. An alternative skin closure technique
   Moris Topaz, IL

14:00 – 15:30 Room Lehar 2

**Free Paper Session**

**Complications: extremity fractures**
Chairs: Peter Simko, Bratislava/SK & Boris Zelle, San Antonio/US

   K. Kortram, P. Oprel, M. Verhofstad; Rotterdam, NL

2. Treatment of segmental bone infections- problems, results
   O. LUPESCU, M. NAGEA, D. ZAMFIRESCU, A. DIMITRIU, M. COLTAN, N. CIUREA, C. DUMITRU; Bucharest, RO

   G. Claes, W. Metsemakers, H. Hoekstra, S. Nijs; Leuven, BE
4. Is it possible to predict which femoral fractures will need dynamisation during the treatment using internal fixation?
   M. Mitkovic, S. Milenkovic, I. Micic, M. Mitkovic; Nis, RS

5. High percentage of complications following dynamic locking plate fixation with the Targon® FN for intracapsular proximal femoral fractures: An analysis of risk factors
   J. Güter, F. Beeres, R. Babst, B. Link; Luzern, CH

6. Free tissue flaps in tibial plafond fractures
   G. Luengo Alonso, C. Ojeda-Thies, J. Zorrilla Sanchez de Neyra, V. JIMENEZ, J. Aso Vizan, J. Palazon Cabanes, P. Caba Doussoux; Madrid, ES

7. Effect of infrapatellar nerve block on chronic anterior knee pain after tibial nailing; a randomized, double-blind, placebo-controlled study (INCOP)
   M. Leliveld¹, S. Kamphuis², M. Verhofstad³; ¹Arnhem, NL, ²Ede, NL, ³Rotterdam, NL

8. Is there a need for postoperative standardised radiographs after operative fixation of wrist- or ankle fractures?
   F. Oehme, Luzern, CH

9. Complication rates of volar plating of distal radius fractures – a retrospective analysis of 576 consecutive cases
   D. Waever¹, M. Lund², J. Rölfing², R. Thorninger²; ¹Aarhus C, DK, ²Aarhus, DK

14:00 – 15:30 Room Schubert 1
Guest Symposium Österreichische Gesellschaft für Gefäßchirurgie
Principles and Problems in Interdisciplinary Management of Complex Upper Limb Trauma
Chair: Josef Klocker, Innsbruck/AT

1. The Trauma Surgeon´s View
   Rohit Arora, Innsbruck/AT

2. The Interventional Radiologist´s View
   Andreas Chemelli, Baden/AT

3. The Vascular Surgeon´s View
   Josef Klocker, Innsbruck/AT

4. The Reconstructive Surgeon´s View
   Robert Zimmermann, Innsbruck/AT

14:00 – 15:30 Room Schubert 2
Free Paper Session
Distinguished outstanding papers
Chairs: Demetrios Demetriades, Sierra Madre/US & Harald Widhalm, Vienna/AT

1. Exploring morbidity assessment for trauma patients: a pilot study of the Adapted Clavien-Dindo for Trauma (ACT) classification system
   D. Naumann¹, N. Pearson², I. Smith¹, K. Porter¹, M. Midwinter¹; ¹Birmingham, UK, ²Shrewsbury, UK
2. I-FABP is a novel marker for the detection of intestinal injury in severely traumatized patients
   M. Voth, B. Relja, B. Auner, T. Lustenberger, I. Marzi; Frankfurt, DE

3. Changes of local microcirculation in soft tissues associated with hemorrhagic shock and surgical strategy (nailing versus external fixation)

4. The Retrograde Tibial Nail - Anatomical Implantation and Surgical Feasibility Study
   S. Kuhn, P. Rommens, P. Appelmann; Mainz, DE

5. Structural Validity of the Short Musculoskeletal Function Assessment in Trauma Patients
   M. De Graaf, I. Reininga, K. Wendt, M. El Moumni; Groningen, NL

6. In vitro biomechanical characteristics of the porcine anterior cruciate ligament
   M. Teuben, M. Pishnamaz, F. Hildebrand, H. Pape; Aachen, DE

7. Reliability of the American Society of Anesthesiologists physical status rating for emergency gastrointestinal surgery
   Y. Haga\(^1\), T. Shichino\(^2\), M. Hirao\(^3\); \(^1\)Kumamoto, JP, \(^2\)Kyoto, JP, \(^3\)Osaka, JP

8. Clinical outcome and muscular function after posterior stabilization of the thoracolumbar junction: An ultrasound controlled short-term follow-up
   M. Pishnamaz\(^1\), U. Schemmann\(^1\), C. Herren\(^1\), F. Hildebrand\(^2\), H. Pape\(^1\), P. Kobbe\(^3\); \(^1\)Aachen, DE, \(^2\)Marburg, DE

9. Hyperchloremia is associated with 30-day mortality in major trauma patients
   J.Y. Lee, Seodaemun-Gu, Seoul, KR

10. PJ-Trauma-Team - A "Blended Learning" Polytrauma Curriculum for Final Year Medical Students
    S. Kuhn, P. Rommens; Mainz, DE

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**16:00 – 17:30**
**Room Strauss**
**ICL**
**Myths & Truths in Emergency Surgery and Visceral Trauma**

1. Indications of bilateral decompression craniectomy in acute head trauma
   Richard Kdolsky, Vienna/AT

2. Value of exploratory laparotomy In the era of CT scan
   Andrew Peitzman, Pittsburgh/US

3. Protective colostomy after a colonic penetrating trauma. Where the myth ends, what the evidences suggest
   Demetrios Demetriades, Sierra Madre/US

4. Acute Cholecystitis - Timing of operation
   Selman Uranues, Graz/AT

5. Surgical fixation of serial rib fractures
   Luke Leenen, Utrecht/NL
16:00 – 17:30
Room Stolz

**Keynote Session**

**Joint Replacement in fracture care**

Chairs: Andrew Baker, Durban/ZA & Franz-Josef Seibert, Graz/AT

1. **Keynote: Shoulder**
   Todd Moen, Dallas/TX

2. **Proximal Humerus Fractures: What lessons have we learned in the last 10 years**
   S. Pretorius; Stellenbosch, ZA

3. **Keynote: Hip**
   Harald Widhalm, Vienna/AT

4. **Acute Fixation and Total Hip Replacement for the Management of Acetabular Fractures in Patients over 55**
   H. Arshad, F. Malagelda, P. Bates, P. Culpan; London, UK

5. **Long term experience with Pipkin fractures and dislocations**
   D. Enchev, A. Baltov, M. Rashkov, M. Markov; Sofia, BG

6. **Periprosthetic Fractures of the Femur - Changing the Treatment Paradigm?**
   A. Chelnokov¹, I. Piven¹, I. Shlykov⁰, K. Piastoplulo¹, M. Horodyskyy²; ¹Ekaterinburg, RU, ²Aalborg, DK

7. **Primary Arthroplasty with a Burch-Schneider antiprotrusion cage as a strong alternative to plate osteosynthesis for acetabular fractures in elderly**
   G. Timmel, D. Joos Bielesz, M. Mousavi, R. Jaskulka; Wien, AT

16:00 – 17:30
Room Lehar 1

**Keynote Session**

**Mangled extremity**

Chairs: Mark Bowyer, Fairfax/US & Gerald Wozasek, Vienna/AT

1. **Keynote lecture: Prerequisites for reconstruction**
   Gerald Wozasek, Vienna/AT

2. **Salvage Nailing for Mangled Ankles**
   D. Seligson¹, K. Himschoot², C. Saccone¹, S. Kibbe¹; ¹Louisville, US, ²Louisville, KY/US

3. **Vacuum therapy in complex injuries of the limbs**
   M. NAGEA, A. DIMITRIU, N. CIUREA, A. GROSU, M. COLTAN, O. LUPESCU; Bucharest, RO

4. **Direct fasciotomy closure achieved more often with shoelace technique than without them in tibia fractures**
   P. Suomalainen, T. Pakarinen, I. Pajamäki, M. Laitinen, H. Laine, V. Mattila; Tampere, FI

5. **Infection after Open Fractures- time from trauma to surgical debridement is the key factor**
   O. LUPESCU, M. NAGEA, A. DIMITRIU, M. COLTAN, N. CIUREA, A. GROSU; Bucharest, RO
7. Our experience in the use of the composite osteocutaneous free fibular graft for replacing complex gunshot tissue loss of the upper extremities
   M. Tkachenko, V. Khominets, V. Ivanov; Saint Petersburg, RU

8. Posttraumatic osteomyelitis
   I. Gavrankapetanovic, Sarajevo, BA

16:00 – 17:30
Keynote Session
**Complications – Visceral Surgery**
Chairs: Pantelis Vassiliu, Athens/GR & Heinz Wykypiel, Innsbruck/AT

1. Keynote Lecture: Malignant biliary obstruction
   Stefan Stättner, Salzburg/AT

2. Keynote Lecture: Malignant oesophageal obstruction
   Heinz Wykypiel, Innsbruck/AT

3. Gastric Adenocarcinoma Related Gastric Perforation: Case Series of Single Institute in A Period of 16 Years
   S.Y. Wang, Taoyuan, TW

4. Long-term survival after surgical treatment for perforated peptic ulcer
   K. Thorsen, J.A. Søreide, K. Søreide; Stavanger, NO

5. The Risk Factors of the Requirement of Open Abdomen in the Patients Received the Damage Control Surgery
   C. Fu, Taoyuan, TW

6. ERCP in the diagnosis and treatment of pancreatic trauma patients
   S. Kim¹, T. Lee², K.S. Bae²; ¹701, KR, ²Wonju, Gangwon-Do, KR

7. Endovascular treatment of ruptured posterior inferior pancreaticoduodenal artery aneurysm
   G. Ricci, P. riu, P. Sciacca, V. Miele, P. Marini; Rome, IT

8. Visceral pseudoaneurysms after hepatic and biliopancreatic surgery; report of a number of cases and review of literature.

16:00 – 17:30
Keynote Session
**Abdomen: Diverticulitis**
Chairs: Sebastian Roka, Vienna/AT & Luca Ponchietti, Torrevieja/IT

1. Keynote Lecture: Do we really follow our guidelines?
   Sebastian Roka, Vienna/AT

2. Keynote Lecture: Treatment options in acute abdomens
   Hayato Kurihara, Milan/IT
3. Quality of life following non-surgical treatment of acute diverticulitis
   I. Tanase, S. Paun, I. Negoi, B. Stoica, B. Gaspar, M. Beuran; Bucharest, RO
4. Emergency Management Of Diverticulitis
   A. Barkalaiia1, N. Tskhvedadze2, Z. Chkhaidze2; 1Birkirkara, MT, 2Tbilisi, GE
5. Diverticulitis: Videolaparoscopic Hartmann’s resection and Single-port Hartmann’s reversal through the stoma site.
   E.A. adami, B. benini, A. giannella, A. liguori, G. Ricci, P. Marini; Rome, IT
   K. Sekiya, A. Shiraishi, T. Oka, Y. Otomo; Tokyo, JP
7. Patient-related and surgery-related prognostic factors in Hinchey III and IV acute peritonitis
   G. Capelli, N. Tamini, L. Gianotti; Monza, IT
8. New minimally invasive perspectives in emergency laparoscopy for the surgical treatment of complicated diverticulitis
   M. Mandrioli, G. Tognoli, A. Biscardi, A. Piccinini, A. Birindelli, L. Di Donato, E. Jovine, S. Di Saverio; Bologna, IT

16:00 – 17:30 Room Schubert 2
**Keynote Session**

**Abdomen: Military surgery and austere environment**

*Chairs: Boris Hreckovski, Slavonski Brod/CR & Klaus Wolff, Vienna/AT*

1. Keynote Lecture: The French experience with the 2 shooting incidents in Paris
   Francois Pons, Paris/FR
2. Military Medical Support Chain: the importance of expeditious evacuation
   T. van Dongen1, J. de Graaf1, L. Leenen1, R. Hoencamp2; 1Utrecht, NL, 2Den Haag, NL
3. I. War surgery: managing perineal trauma in civil war-wounded
   E. Solomonov, A. Braslavsky, A. Bukin, O. Efremov, A. Rapoport, A. Fedorenko, M. Vaskovic, W. Karim, I. Dashkovsky, S. Biswas, D. Fuchs; Galilee, IL
4. Cardiac war injuries, management of penetrating shrapnels to the heart
   H. Bahuoth, Z. Bekerman, Y. Kluger, G. Bolotin; Haifa, IL
5. Assessment of the manageability of a disaster medical care system in Osaka City by a simulation of a Nankai Trough quake using a GIS
   H. Yamamoto, Y. Kimura, Y. Mizobata; Osaka City, JP
6. A new protocol for war-wounded patients with improvised primary care in Syria
   E. Solomonov, A. Braslavsky, A. Bukin, O. Efremov, A. Rapoport, A. Fedorenko, I. Dashkovsky, W. Karim, M. Vaskovic, S. Biswas, D. Fuchs; Galilee, IL
7. Infect defect pseudarthrosis of tibia after gunshot wound - combined soft tissue and bone reconstruction in several steps - case report
   G. Walter, G. Walter; Wien, AT
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>17:30 – 18:30</td>
<td>Opening Ceremony</td>
<td>Room Strauss</td>
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## Monday, April 25, 2016

### 08:30 – 10:00

**Room Strauss**

**ICL Chest damage Control**  
Chairs: Clemens Aigner, Linz/AT & Francois Pons, Paris/FR

1. Resuscitative Thoracotomy  
   Eric Voiglio, Lyon/FR
2. Bronchotracheal Injuries  
   Clemens Aigner, Wien/AT
3. Acute respiratory failure following lung contusion  
   Luke Leenen, Utrecht/NL
4. Aortic dissection - when to switch to open surgery and what to do?  
   Zsolt Balogh, Newcastle/AU
5. Management of acute chest defects  
   Francois Pons, Paris/FR

### 08:30 – 10:00

**Room Stolz**

**Keynote Session**  
**Myths & truths: Surgical treatment of fractures of the ankle and talocalcaneal joint**  
Chairs: Andrej Cretnik, Ljubjana/SI & Inger Schipper, Leiden/NL

1. Keynote: Diabetes, neuropathy, vascular disease and osteoporosis: Does it matter?  
   Mujeeb Ashraf, GB
2. Demographic patterns and injury characteristics of patients with a calcaneal fracture in a regional trauma system  
   G. Alexandridis¹, A. Gunning¹, G. Van Olden², E.J. Verleisdonk¹, M. Segers³, L. Leenen¹;¹Utrecht, NL, ²Amersfoort, NL, ³Nieuwegein, NL
3. Calcaneal fracture - nailing  
   J. März¹, M. Pompach²; ¹Karlovy Vary, CZ, ²Pardubice, CZ
4. Intramedullary nailing of calcaneal fractures - experience with C-nail  
   J. Pazour, M. Křivohlávek, R. Lukas; Liberec, CZ
5. Insertion of anteromedial wires in the application of a hind foot frame in distal tibial and calcaneal fractures  
   C. Kelly, S. Britten, P. Loughenbury, J. Clancy, P. Harwood; Leeds, UK
6. Calcaneal fracture: 3D as new generation imaging  
   D. Misselyn, Leuven, BE
7. Orif treatment of 54 displaced intra articular calcaneal fracrures.  
   K. PAPAGIANNAKOS, G. FRAGKESKAKIS, P. KAKAVAS, K. BOSINAKIS, N. POTAMITIS, K. SOUBASSIS, S. SARAFOPoulos, I. KARNEZIS; Athens, GR
8. Syndesmotic reconstructions - evaluation using weightbearing CT  
   B. Gueorguiev¹, J. Hagen², R.G. Richards², M. Lenz³, P. Simons⁴, K. Klos⁴; ¹Davos-Platz, CH, ²Davos, CH, ³Jena, DE, ⁴Mainz, DE
9. Treatment of Ankle Fractures with the locked intramedullary straight XS Nail in complex fractures, osteoporotic bone and soft tissue damage.

W. Friedl, Aschaffenburg, DE

<table>
<thead>
<tr>
<th>08:30 – 10:00</th>
<th>Room Lehar 1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Free Paper Session</strong></td>
<td><strong>Abdominal Emergencies</strong></td>
</tr>
<tr>
<td><strong>Chairs:</strong> William Cioffi, Providence/US &amp; Dietmar Öfner-Velano, Innsbruck/AT</td>
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</tbody>
</table>

1. Acute Mesenteric Ischemia: do we need to be faster? An algorithm proposal
   M. Ceolin, C. Bertani, F. Mrakic Sposta, S. Mei, J. Guerrini, S.P.B. Cioffi, H. Kurihara; Milan, IT

2. Impact of systematic use of US-guided DPA in the management of abdominal emergencies
   M. Zago\(^1\), D. Mariani\(^2\), A. Casamassima\(^3\), M. Marconi\(^4\); \(^1\)Bergamo, IT, \(^2\)Legnano, IT, \(^3\)Milano, IT, \(^4\)Melzo, IT

3. Point of Care US. Are Acute Care Surgeon hands safe enough?.
   I. Martínez Casas\(^1\), A. Landaluce\(^2\), S. Ugarte\(^2\), L. Ponchietti\(^1\), T. Nimmegsenn\(^1\), M.A. Amador\(^1\), F.J. Ibañez Aguirre\(^2\); \(^1\)Alicante, ES, \(^2\)Usansolo, Bizkaia, ES, \(^3\)Jaén, ES

4. Decreasing Overutilization of Damage Control Laparotomy Decreases Mortality
   B. Joseph\(^1\), B. Zangbar\(^1\), A. Azim\(^1\), N. Kulvatunyou\(^1\), A. Tang\(^1\), T. O'Keeffe\(^1\), R. Latifi\(^1\), L. Gries\(^1\), P. Rhee\(^2\); \(^1\)Tucson, US, \(^2\)Tucson, AZ/US

5. Pre-Operative Designed Exploration Laparotomy In Solid Organ Blunt Trauma: A Novel Module Of Operative Management
   M. Nasr, Hufof, Al Ahsa, SA

6. Clinical Presentation, Management and Outcome of 58 adult patients with Bowel Volvulus
   M. Al-Sulaiti, H. Al-Thani, N. Al Shaibani, A. El-Menyar, M. Asim, A. Tabeb; Doha, QA

7. Laparoscopic adhesiolysis in adhesive small bowel obstruction
   M. Mandrioli, G. Tognoli, A. Biscardi, A. Piccinini, A. Birindelli, L. Di Donato, E. Jovine, S. Di Saverio; Bologna, IT

8. CT can make the management of abdominal stab wounds much more proper
   N. Kaneko, Fukaya, JP

9. Hollow viscus injury due to blunt trauma: a descriptive study of epidemiology and outcome in a large urban area
   P. Fransvea\(^1\), G. Costa\(^1\), B. Frezza\(^1\), L. Lepre\(^2\), G. Balducci\(^1\); \(^1\)Roma, IT, \(^2\)Rome, IT
08:30 – 10:00
Room Lehar 2

ICL

**Impact of mass migration and are we prepared for maritime disasters?**
Chair: Sten Lennquist, Söderköping/SE & Stefan Schultz-Drost, Erlangen/DE

1. Hungarian Experience
   Istvan Gargyan, Szeged/HU
2. Kompass, Capacity and organization in mass casualties on land
   Hagen Andruszkow, Aachen/DE
3. Kompass, Capacity and organization in mass casualties on sea
   Stefan Schulz-Drost, Erlangen/DE
4. Preparedness for Scandinavian maritime disasters
   Per Ortenwall, Vastra Frolunda/SE
5. Are the greek islands prepared for a maritime disaster
   tba
6. Israeli Experience in disaster management
   Eran Tal-Or, Poriya/IL

08:30 – 10:00
Room Schubert 1

**Guest Symposium**
Deutsche Gesellschaft für Unfallchirurgie (DGU)

08:30 – 10:00
Room Schubert 2

**Guest Symposium Österreichische Gesellschaft für Chirurgie (ÖGC)**

**Emergency Surgery due to Infection**
Chair: Reinhard Függer, Linz/AT & Friedrich Herbst, Vienna/AT

1. Upper GI
   Johannes Zacherl, Vienna/AT
2. Colorectal
   Friedrich Herbst, Vienna/AT
3. Hepatobiliopancreatic
   Reinhard Függer, Linz/AT
4. Hernia
   Bernhard Dauser, Vienna/AT
5. Thorax
   Florian Tomaselli, Linz/AT

10:30 – 12:00
Room Strauss

ICL

**Interface between emergency and trauma**
Chair: Hans-Christoph Pape, Aachen/DE & Tina Gaarder, Oslo/NO

1. Definition of trauma
   Hans-Christoph Pape, Aachen/DE
2. Emergency and trauma - where they differ?
   Andreas Shamiyeh, Linz/AT
Monday, April 25, 2016

3. Emergency and trauma - what they share?  
   Tina Gaarder, Oslo/NO

4. Emergency and Trauma - who is practicing what in Europe?  
   1. North - Peep Talving, Tartu/EE  
   2. South – Hakan Yanar, Istanbul/TK  
   3. East – Radu Prejbeanu, Timisoara/RO  
   4. West - Jonathan Tilsed, Hull/UK  
   5. Central - Reto Babst, Luzern/CH

10:30 – 12:00  
Room Stolz  
Keynote Session  
**Myths & Truths: Geriatric hip fractures**  
Chairs: Franz Kralinger, Vienna/AT & Christoph Josten, Leipzig/DE

1. **Keynote Lecture: Orthogeriatric Co-Management**  
   Franz Kralinger, Vienna/AT

2. Prothrombin complex concentrate in patients on anticoagulation who require hip fracture surgery  
   M. Humenberger, V. Weihs, A. Geroldinger, K. Schultes, S. Kettner, S. Hajdu; Vienna, AT

3. The use of tranexamic acid in the prevention of anaemia following hip surgery  
   C. Dover¹, R. Perkins³; ¹Craven Arms, UK, ²Telford, UK

   R. de Vries, K. ten Duis, J.J. Ploegmakers, N. Azizi, I. Reininga, K. Wendt; Groningen, NL

5. Dynamic Hip Screw with or without anti-rotation screw  
   S. Voeten¹, J. Deunk¹, J. Vermeulen², J. van den Brand³, W. Zuidema¹; ¹Amsterdam, NL, ²Haarlem, NL, ³Alkmaar, NL

   P. Varga¹, J. Inzana¹, B. Gueorguiev², M. Blauth³, M. Windolf²; ¹Davos, CH, ²Davos-Platz, CH, ³Innsbruck, AT

7. Early surgery for hip fractures: a successful implementation  
   I. Rochus, H. Hoekstra, A. Sermon, S. Nijs; Leuven, BE

8. Associated injuries after hip fracture in the elderly  
   S. Voeten¹, W. van Veen¹, R. Fakkert¹, J. Vermeulen², J. van den Brand³, W. Zuidema¹; ¹Amsterdam, NL, ²Haarlem, NL, ³Alkmaar, NL

10:30 – 12:00  
Room Lehar 1  
**ICL**  
**Cross Border Issues and advanced technologies**  
Chairs: Pedro Ramos, Funchal/PT & Boris Hreckovski, Bukovlje/HR

1. New tools for Major Emergencies in European Projects  
   Daniele Gui, Rome/IT
Monday, April 25, 2016

2. XVR, serious gaming to prepare for disasters
   Paul van Laar, Ede/NL

3. The different triage systems and tags across Europe
   Wim Rens, Tilburg/NL

4. Cross Border Rescue System - Austria, Germany
   Wolfgang Voelkel, Salzburg/AT

5. Preparing for cross border major incidents In south east europe
   Boris Hreckovski, Bukovlje/HR

10:30 – 12:00 Room Lehar 2
Keynote Session
**Emergencies in pediatric patients**
Chairs: Stephanie Arbes, Vienna/AT & Ismet Gavrankapetanovic, Sarajevo/BS

1. Management in the pediatric trauma patient: adjusting algorithms
   Ingo Marzi, Frankfurt/DE

2. Do we need a specialist in pediatric trauma care?
   Thomas Neubauer, Horn/AT

3. Increased morbidity associated with weekend pediatric road traffic injuries: 10-year analysis of trauma registry data
   B. Burstein\(^1\), E. Fauteux-Lamarre\(^2\), A.B. van As\(^3\); \(^1\)Montreal, QC/CA, \(^2\)Montreal, CA, \(^3\)Cape Town, ZA

4. Clinical Outcome of Polytraumatized Children and Adolescent Patients in a Level One Trauma Center
   M. Hofbauer, T. Tiefenböck, M. Winnisch, M. Michel, S. Hajdu; Vienna, AT

5. Occipital Condyle Fractures in Adolescents
   R. Tomaszewski, L. Wiktor; Katowice, PL

6. Traumatic Pediatric Hip Dislocation - A Case Report with Comprehensive Literature Review
   A. Startzman\(^1\), J. Pennington\(^2\), J. Rush\(^2\); \(^1\)Fort Lauderdale, FL/US, \(^2\)Fort Lauderdale, US

7. The Three Step Approach to the management of acute pediatric Monteggia lesions
   J. Hetthessy, T. Kassai, B. Sebők, A. Szórádiné Vadász; Budapest, HU

10:30 – 12:00 Room Schubert 1
Keynote Session
**Abdomen: Hepato-Biliary Surgery**
Chairs: Yoram Kluger, Haifa/IL & Reinhard Mittermair, Klagenfurt/AT

1. Role of open cholecystectomy in the era of reduced port surgery
   Carsten Gutt, Memmingen/DE

2. Acute cholecystitis and Percutaneous cholecystostomy. Is it still necessary?
   A. Sazhin, G. Ivakhov, N. Glagolev; Moscow, RU
D. Macchini, L. Degrate, M. Oldani, D. Leni, F. Romano, P. Padalino, L. Gianotti; Monza, IT

4. An Innovative Emergency Laparoscopic Cholecystectomy Technique; Early Results Towards Complication Free Surgery
M. Nasr, Hufof, Al Ahsa, SA

5. Management and outcome of Blunt Liver injury : A single center experience

6. Delayed surgery in non operative liver blunt trauma treatment
L. Lacaze, N. Tatoni, A. AMARIUTEI, J. abba, O. risse, C. Arvieux, C. overs, C. Létoublon; 1Grenoble, FR, 2La Tronche, FR

7. French multicentric cohort of blunt pancreatic trauma managed with endoscopy
A. Studer, M. Barthet, S. Bourgoin, D. Massalou, E. Girard, C. Arvieux, T. Bege; 1Marseille, FR, 2Toulon, FR, 3Nice, FR, 4La Tronche, FR

8. A 5-year experience with hepatic trauma in a Portuguese hospital

K. Markert, T. Haltmeier, T. Khatsilouskaya, M. Cathomas, M.J. Keel, D. Candinas, B. Schnüriger; Bern, CH

10:30 – 12:00
Free Paper Session

New Surgical techniques in fracture care
Chairs: Milorad Mitkovic, Nis/RS & Michael Nerlich, Regensburg/DE

P. Moreno de la Santa, M.D. Polo, C. Delgado, S. Leal, A. Martin, P. Magdalena, M.D. Chorén; Vigo, ES

2. DIF (Dynamic Internal Fixator) a new device for difficul fractures
C. battiato, Ascoli Piceno, IT

3. Treatment of acetabular fractures in the elderly - introduction of a new implant
J. Becker, D. Krappinger, A. Auffarth, P. Moroder, M. Blauth, H. Resch; 1Salzburg, AT, 2Innsbruck, AT

4. Early experiences of a new anatomic plating system for posterior acetabular fractures in a level 1 UK trauma centre
5. Early experiences of a new anatomic anterior plating system for acetabular fractures in a level-1 UK trauma centre
   R. Dhir¹, M. Gee², H. Arshad², P. Bates², P. Culpan⁷; ¹Leeds, UK, ²London, UK

   K. Stoffel¹, I. Zderic², C. Sommer³, U. Eberli², D. Mueller⁴, M. Oswald⁵, B. Gueorguiev⁶; ¹Liestal, CH, ²Davos, CH, ³Chur, CH, ⁴Zuchwil, CH, ⁵Suzhou, CN, ⁶Davos-Platz, CH

7. Reconstruction of Femoral non-union with mal-alignment using chipping technique
   T. Matsushita¹, Y. Watanabe²; ¹Koriyama, Fukushima, JP, ²Tokyo, JP

8. Retrograde Tibial Nail - A New Biomechanically Superior Nailing Concept For The Treatment Of Distal Tibia Fractures
   S. Kuhn, J. Greenfield, C. Arand, P. Appelmann, P.M. Rommens; Mainz, DE


10. Kirschner wire extension blocking technique for closed bony mallet injuries; results of 42 cases
    A. Meershoek, P. Wittich, J. Keizer; Nieuwegein, NL

12:00 – 12:30 Room Strauss
   The Otmar Trentz lecture
   Trauma surgery: a vanishing specialty or a new subspecialty?
   Vilmos Vecsei, Vienna/AT

14:00 – 15:30 Room Strauss
   Management of emergencies
   Chairs: Stefan Nijs, Leuven/BE & Ari Leppäniemi, Helsinki/FI

1. Non-operative management: based on clinical condition or evidences
   Stefan Nijs, Leuven/BE

2. Patient needs surgery now and is under new anticoagulant drugs: what shall we do
   Jorge Pereira, Viseu/PT

3. Appendectomy - obsolete?
   Spiros Stergiopoulos, Chaidari/GR

4. Necrotising pancreatitis: How far the non-operative management goes
   Ari Leppäniemi, Helsinki/FI

5. Ileus: Indicators to decide early operative treatment
   Luca Ansalone, Bergamo/IT
<table>
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<th>Time</th>
<th>Room</th>
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<th>Chair(s)</th>
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| 14:00 – 15:30| Room Stolz | ICL \n**The European Union of Medical Specialists (UEMS)** \nChairs: Wolfgang Feil, Vienna/AT & Jonathan Tilsed, Hull/UK | 1. UEMS: speaking truth unto power at the centre of Europe tba  
2. Is the concept of general surgery dead in an era of sub-specialisation? Wolfgang Feil, Vienna/AT  
3. Trauma surgery: has the Division grown up in its first 18 years? Hans-Joerg Oestern, Celle/DE  
| 14:00 – 15:30| Room Lehar 1| Free Paper Session \n**Severe extremity injuries** \nChairs: Oskar Aszmann, Vienna/AT & Andreas Platz, Zurich/CH | 1. Missed Diagnosis in polytrauma - what are the consequences? S. Kibble, R. Auer, J. Riehl; Louisville, KY/US  
3. The impact of revascularization time on post-operative complications and related outcomes of ischemic extremity injuries H. MORII, Kawagoe, JP  
4. Primary radial nerve palsy associated with traumatic humeral shaft fractures – Does the type of treatment influence recovery? R. Ostermann, N. Lang, P. Platzer; Vienna, AT  
5. Long-term Outcome after toe-to-hand transfer for reconstruction of amputation injuries of the hand S. Quadlbauer, C. Pezzei, J. Jurkowitsch, T. Beer, T. Keuchel, T. Hausner, M. Leixnering; Vienna, AT  
6. Perilunate (Fracture) Dislocation in Polytrauma I. Krusche-Mandl, V. Weihs, J. Erhart; Vienna, AT  
8. Monitoring Recovery of Open Tibial Fractures, Using Objective Functional Measures with Preliminary Data from a Combined Orthoplastic Research Clinic R. MORRIS, S. Maggs, O. Bodger, I. Pallister; Swansea, UK  
9. External skeletal fixation as temporarily method in damage control. When and where
external fixation can be definitive method of fracture treatment?
M. Mitkovic, S. Milenkovic, I. Micic, I. Kostic, M. Mitkovic; Nis, RS

10. Naturally derived acellular small diameter vascular grafts from human placenta for reconstructive surgery
K. Schneider, P. Aigner, X. Monforte, W. Holnthoner, A. Teuschl, H. Bergmeister, H. Redl; Vienna, AT

14:00 – 15:30 Room Lehar 2
Guest Symposium AOTrauma
**Ankle fractures**
Chairs: Michael Wagner, Vienna/AT & Anna Ekman, Stockholm/SE

1. Basic principle lecture
tba
2. Difficult fractures - large posterior fragments, syndesmotic injuries, mini pilon
tba

  + 40 minutes Case Discussion

14:00 – 15:30 Room Schubert 1
Keynote Session
**Septic Abdomen**
Chairs: Radko Komadina, Celje/SI & Isidro Martinez, Alicante/ES

1. **Keynote Lecture: Repalarotomy: Planned or on demand after septic complications?**
   Isidro Martinez, Alicante/ES

2. Open abdomen our experience
   S. Condurro, G. Barberio, A. Bosco, S. Campagna, S. Cornaglia, E. Debarberis Mainini, D. Guarino, A. Trunfio, S. Razzi; Aosta, IT

3. The Management of Small Bowel and Mesenteric Injuries in Blunt Abdominal Trauma: Late Does Not Mean Worse
   D. Tartaglia, E. Pouli, F. Cascione, A. Bertolucci, M. Modesti, L. Cobuccio, I. Cengeli, E. Kauffmann, R. Fantacci, G. Zocco, C. Galatioto, M. Chiarugi; Pisa, IT

4. Auditing Surgical Sepsis in a Regional Trauma Centre
   K. Linton, G. Bass, R. Curran, E. Carton; Drogheda, IE

5. The value of absolute leukocyte numbers in peripheral blood of patients with penetrating splenic injury in the early detection of septic complications
   R. Spijkerman¹, M. Teuben², F. Hoosain³, L. Taylor³, T. Blokhuis¹, T. Hardcastlec, B. Warren³, L. Leenen¹; ¹Utrecht, NL, ²Aachen, DE, ³Cape Town, ZA, ⁴Durban, ZA
<table>
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<th>No.</th>
<th>Title</th>
<th>Authors</th>
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<tr>
<td>1</td>
<td>In vitro effects of fibrinogen supplementation on clot initiation and stability – A ROTEM study</td>
<td>N. Schäfer¹, A. Driessen², M. Fröhlich¹, U. Bauerfeind¹, J. Ofir¹, E. Stürmer¹, M. Maegele¹;¹Köln, DE, ²Cologne, DE</td>
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<td>2</td>
<td>Hind-limb ischemia is insufficient to induce systemic hyperfibrinolysis in a rat model of ischemia-reperfusion injury</td>
<td>J. Zipperle, C. Penzenstadler, S. Muehleder, M. Ponschab, C. Schlimp, H. Redl, S. Bahrami, H. Schochl; Vienna, AT</td>
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<td>3</td>
<td>Intraosseous application of prothrombin complex concentrate with/without fibrinogen concentrate in a swine model of haemodilution.</td>
<td>C. Schlimp, M. Ponschab, C. Keibl, S. Nürnberger, H. Redl, H. Schöchl; Vienna, AT</td>
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<td>4</td>
<td>Splenic homing of neutrophil subtypes in a mice model of hypovolemic shock and trauma</td>
<td>M. Teuben¹, M. Heres², T. Blokhuys², R. Pfeifer¹, H. Pape¹, L. Koenderman², L. Leenen²;¹Aachen, DE, ²Utrecht, NL</td>
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<td>5</td>
<td>Stimulating and inhibitory effect of severe polytrauma on early immune responses in the blood and bone marrow compartment of young mice</td>
<td>S. Drechsler¹, P. Rademann², J. Zipperle¹, M. Jafarmadar¹, A. Klotz¹, S. Bahrami¹, M. Osuchowski¹;¹Vienna, AT, ²Wien, AT</td>
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<td>7</td>
<td>Comparison of different scaffolds in relation of osteogenic activity in bone marrow mononuclear cell-supported therapy of large femoral bone defects in rats</td>
<td>M. Janko, Frankfurt, DE</td>
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<td>8</td>
<td>APOSEC enhances wound healing in a diabetic mouse model</td>
<td>D. Traxler, C. Keibl, D. Lidinsky, J. Hartinger, S. Nuernberger, H. Redl, H. Ankersmit, V. Hruschka, P. Slezak; Vienna, AT</td>
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<td>9</td>
<td>Improvement in histological collagen type II mapping in hyaline cartilage and tissue engineered samples.</td>
<td>S. Nürnberger, D. Lidinsky, H. Redl, C. Albrecht; Vienna, AT</td>
</tr>
<tr>
<td>10</td>
<td>Development of a clinically realistic long term polytrauma model</td>
<td>K. Horst¹, R. Pfeifer¹, M. Teuben¹, K. Almahmoud¹, P. Störmann², B. Auner², B. Relja², I. Marzi³, A. Haug³, M. van Griensven³, M. Kalbitz³, S. Huber-Lang³, R. Tolba³, G. Marx³, T. Simon³, F. Hildebrand³, H. Pape¹;¹Aachen, DE, ²Frankfurt, DE, ³München, DE, ⁴Ulm, DE,⁵Marburg, DE</td>
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**16:00 – 17:30**  
**Room Strauss**  
**ICL**  
**Myths & Truths: Polytrauma**  
*Chairs: Mehdi Mousavi, Vienna/AT & Raul Coimbra, San Diego/US*

1. Definition polytrauma - does it make sense?  
   Raul Coimbra, San Diego/US  
2. ATLS is beneficial for polytraumatized patients?  
   Bertil Bouillon, Cologne/DE  
3. ETC is beneficial for polytraumatized patients?  
   Michael Hüpfl, Vienna/AT  
4. Interdisciplinary management with changing responsibilities is beneficial for polytraumatized patients?  
   Michael Schütz, Berlin/DE  
5. Polytrauma - quo vadis?  
   Mehdi Mousavi, Vienna/AT

**16:00 – 17:30**  
**Room Stolz**  
**Keynote Session**  
**Myths & Truths: Pelvic & Hip**  
*Chair: Thomas Braunsteiner, Vienna/AT & Peter Giannoudis, Leeds/UK*

1. The development of acetabular fractures over a treatment period of 12 years  
   S. Zeidler¹, N. Lübke¹, K. Kreher², J. Böhme¹, C. Josten¹; ¹Leipzig, DE, ²Hartmannsdorf, DE  
2. The role of pelvic stability in the patients with pelvic fracture is diminishing in the evaluation of associated intra-abdominal injuries or retroperitoneal hemorrhage  
   C. Fu, Taoyuan, TW  
3. Percutaneous sacro-iliac screws in unstable pelvic injuries - our approach and results after 95 consecutive cases  
   M. Popescu, S. Dragusanu, B. Tunescu, A. Tiris, A. Totorean, G. Noditi, R. Dagla; Timisoara, RO  
4. The Pararectus Approach Provides More Surgical Exposure And Different Options For Instrumentation Than The Modified Stoppa Approach For Fixation Of Acetabular Fractures.  
   M.J. Keel, M. Savic, J. Cullmann, W. Zech, V. Djonov, J. Bastian; Bern, CH  
5. the Anterior Intrapelvic Approach for Acetabulum Fractures  
   S. Kibbe¹, L. Negrin², K. Himschoot¹, D. Seligson¹; ¹Louisville, US, ²Vienna, AT  
6. Do we really require magnetic resonance imaging to diagnose fragility fractures of the pelvis?  
   Y. Ueda, H. Tsuji, Y. Kurata, J. Saito, K. Sato; Sapporo, JP  
7. Surgical Treatment of Trochanteric Fractures  
   A.V. Kalashnikov¹, V.D. Malyk², Y.O. Stavinskyi¹; ¹Kyiv, UA, ²Poltava, UA  
8. Does an additional antirotation U-Blade Lagscrew improve treatment of pertorchanteric
fractures with gamma 3 nail?
N. Lang, C. Arthold, J. Jöstl, K. Sarahrudi; Vienna, AT

16:00 – 17:30
Room Lehar 1

Keynote Session

**Appendicitis**
Chairs: Martina Lemmerer, Graz/AT & Andrea Casamassima, Milan/IT

1. **Keynote: Acute appendicitis – which approach?**
   Jonathan Tilsed, Hull/UK
2. Acute appendicitis: analysis of 16544 cases
   M. Ceresoli, M. Pisano, N. Allievi, A. Zucchi, F. Coccolini, G. Montori, E. Poiasina, L. Ansaloni; Bergamo, IT
3. Complicated acute appendicitis: open vs laparoscopic approach in the elderly
   L. Fattori, C. Barbieri, F. Cristaudo, M. Gattuso, C. Dammaro; Monza, IT
4. Appendiceal mass: Is interval appendectomy necessary?
5. Is interval appendectomy mandatory in conservative treatment of complicated appendicitis with a palpable mass or localized abscess?
   M. Rocha, F. Teixeira, M. Jucá, A. Pflug, S. Couto Netto, A. Andreotti, P. Alves, C. Bernini, E. Utiyama, C.A. Menegozzo; †Sao Paulo, BR, ‡São Paulo - Sp, BR
6. Antibiotic therapy following appendectomy for acute appendicitis. Surgical findings remain more important than national guidelines.
   C. Ollende, F. Hornez, D. Ngabou, Y. Baudoïn, N. Mocellin, S. Bonnet; †Libreville, GA, ‡Clamart, FR

16:00 – 17:30
Room Lehar 2

Keynote Session

**Spleen & Trauma**
Chairs: Mauro Zago, Bergamo/IT & Selman Uranues, Graz/AT

1. **Keynote: The development of the European Trauma Course in Austria – data on 30 courses**
   M. Hüpfl, F. Trummer, A. Deixler, K. Kalan Ustar, C. Schreiber, I. Lulic; †Wien, AT, °Vienna, AT
2. Frequency, presentation, management and outcomes of blunt splenic injury in a single center over a 3-year period
   A. Al-Hassani, G. Jabbour, A. El-Menyar, M. Asim, H. Al-Thani; Doha, QA
3. Contribution of three-dimensional reconstructions from CT-Scan for assessing the factors associated with blunt splenic injury severity
   A. Studer, T. Bege, C. Kahn, S. Coze, K. Chaumoître, R. Denis, S. Berdah, C. Brunet; †Marseille, FR, ‡Montreal, QC/CA
4. Diagnostic accuracy of Vitrea versus conventional CT – outcome predictability for NOM in splenic injuries
   I. Unterfrauner, G. Tomasz, S. Uranues; Graz, AT

5. Angio-embolization in bleeding blunt splenic injuries: it works but look out consequences
   A. Bertolucci, D. Tartaglia, S. Musetti, M. Modesti, L. Cobucci, I. Cengeli, C. Galatioto, M. Chiarugi; Pisa, IT

6. Blunt Splenic Trauma in a Level III Trauma Center: a 5-year cohort
   S. Silva, N. Tenreiro, A. Melo, J. Lage, C. Santos, A. Oliveira; Vila Real, PT

7. Splenic embolization after blunt trauma - a 7 year experience
   P. Drac, J. Kovarik, P. Korpa, V. Prasil; Olomouc, CZ

8. Management of blunt splenic injury: a retrospective review of practice and outcomes at a UK Major Trauma Centre
   S. Smith¹, L. Adamson², W. Al-obaydi², H. White², M. D'Auria², A. Brooks²; ¹Bury, UK, ²Nottingham, UK

16:00 – 17:30
Keynote Session
Emergency Service 1
Chairs: Andriy Kalashnikov, Kiev/UK, Endre Varga, Szeged/HU

1. Keynote: Benchmarks of Emergency Service Systems
   Eric Voiglio, Lyon/FR

2. Acute Care Surgery Services: Beyond just the operating room
   T. Van Zyl, P. Murphy, L. Allen, W. Leeper, K. Leslie, N. Parry, K. Vogt; London, CA

3. Dragon Stadium Emergency Services - Champions League of the Sports Emergency Services
   P. Martins, N. Puga, N. Coimbra, F. Serralva; Porto, PT

4. Redefining trauma post service centralisation in the UK
   K. Mann, J. Moorehead, S. Scott, N. Misra; Liverpool, UK

5. Implementing an Acute Care Surgery Service Model in a Middle-income country hospital generates significant growth in productivity and procedure RVUs

6. Current state of trauma care system in Shanghai
   Z. Li, Y. Zuoqin; Shanghai, CN

7. Limitations in prehospital communication between trauma helicopter, ambulance services and dispatch centres
   A. Harmsen, G. Giannakopoulos, G. Franshman, H. Christiaans, F. Bloemers; Amsterdam, NL
8. ‘The weekend effect’: Does it really affect surgical mortality rates, a review of surgical admissions from a busy teaching Hospital in London
   V. Shatkar, L. Kamuriwo, J. Burke; Romford, London, UK

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<th>Time</th>
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<tr>
<td>16:00 – 17:30</td>
<td><strong>Keynote Session</strong></td>
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<td>Innovations: Imaging &amp; Navigation</td>
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<td>Chairs: Marius Keel, Bern/CH &amp; Florian Gebhard, Ulm/DE</td>
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1. **Keynote:** Computer-assisted surgery  
   Florian Gebhard, Ulm/DE

   R. Berg, K. van Helmond, M. van den Baar; Veldhoven, NL

3. Radiological evaluation of the ACL and semitendinosus, gracilis tendon with children age.  
   R. Tomaszewski, L. Wiktor, D. Smyczek, E. Kluczewska, I. Wos; Katowice, PL

4. Navigation with image-fusion method for transiliac-transsacral screws  
   T. Noda, T. Uehara, M. Yoshimura, M. Kiyono, T. KomatsuBara, K. Sugiu, Y. Yamakawa, Y. Shimamura, T. Ozaki; Okayama, JP

5. Traumatological application of three-dimensional reconstruction and rapid prototyping technology in complex acetabular fractures  
   C. battiato¹, L. basiglini²; ¹Ascoli Piceno, IT, ²Ascoli, IT

6. 3D Quantification of Posterior Malleolar Fragment-Reduction Predicts Clinical Outcome in a Prospective Trial  
   R. de Muinck Keizer, D.T. Meijer, B. van der Gronde, T. Teunis, S. Stufkens, J. Doornberg, T. Schepers, G.M. Kerkhoffs, J.C. Goslings; Amsterdam, NL

7. Articular Gap and Step-off Revisited: 3D Quantification of Posterior Malleolar Fragment Reduction  
   R. de Muinck Keizer, D.T. Meijer, B. van der Gronde, T. Teunis, S. Stufkens, J. Doornberg, T. Schepers, J.C. Goslings, G.M. Kerkhoffs; Amsterdam, NL

8. Three Dimensional Virtual Planning of Corrective Osteotomies of Distal Radius Malunions: A Systematic Review  
   R. de Muinck Keizer¹, K.M. Lechner¹, M. Mulders¹, N. Schep¹, D. Eygendaal², J.C. Goslings³; ¹Amsterdam, NL, ²Breda, NL

**Tuesday, April 26, 2016**

08:30 – 10:00
Nightmare Session
*When bad things happen to good surgeons*
Chair: Ari Leppäniemi, Helsinki/FI & Otmar Trentz, Zurich/CH

08:30 – 10:00
Keynote Session
*Sports medicine: Knee*
Chairs: Radu Prejbeanu, Timisoara/RU & Thomas Müllner, Vienna/AT

1. **Keynote: ACL Surgery – can we predict the outcome?**
   Karl-Peter Benedetto, Feldkirch/AT
2. The diagnostic value of the 'Lever Sign' test
   C. Koster¹, M. Lichtenberg², A. Harmsen¹, F. Oosterveld², F. Bloemers¹; ¹Amsterdam, NL, ²Enschede, NL
3. Outcomes following braced, full weight-bearing rehabilitation after meniscal repair using the all inside Fast-fix repair system at a mean follow up of 2 years
   M. Alam, M. Buldu, J. Arbuthnot; Birmingham, UK
4. ACL Regeneration using a novel silk fiber based scaffold - Histological Results of a Large Animal Study
   A. Teuschl, P. Heimel, S. Nürnberger, H. Redl, T. Nau; Vienna, AT
5. Clinical and Functional Outcome after Anterior Cruciate Ligament Reconstruction using the LARS™ System at a Minimum Follow-Up of 10 years
   M. Hofbauer, M. Schurz, J. Jöstl, T. Tiefenböck; Vienna, AT
6. Clinical and Functional Outcome of All-Inside Anterior Cruciate Ligament Reconstruction at a Minimum of 2-Year Follow-up
   M. Hofbauer, M. Schurz, S. Syre, G. Steiner, F. Plachel, T. Tiefenböck; Vienna, AT
7. Sex does Not Influence the Clinical Outcome of Anatomic Anterior Cruciate Ligament Reconstruction in the Short Term utilizing the “All-Inside” Technique
   T. Tiefenböck, M. Schurz, S. Syre, F. Plachel, G. Steiner, M. Hofbauer; Vienna, AT
8. In vivo knee rotational stability 2 years after double-bundle and anatomic single-bundle ACL reconstruction
   R. Hart, M. Komzak; Znojmo, CZ
9. Knee joint stability after dynamic intraligamentary stabilization
   J. Häberli¹, P. Henle², Y.P. Acklin³, I. Zderić³, B. Gueorguiev⁴; ¹Bettlach, CH, ²Bern, CH, ³Davos, CH, ⁴Davos-Platz, CH
### Polytrauma 1

**Keynote Session**

**Chairs:** Handolin Lauri, Helsinki/FI & William Cioffi, Providence/US

1. **Keynote: Treatment leadership in Polytrauma**  
   **Pol M. Rommens, Mainz/DE**

2. Pattern of Mortality and Causes of Death after multiple Trauma: A Systematic Review of Autopsy Studies  
   **R. Pfeifer,** H. Andruszkow, M. Teuben, H. Pape; Aachen, DE

3. Polytrauma patients in the Netherlands and the USA: A bi-institutional comparison of demographics and outcomes of care.  
   **S. Dijkink¹,** G. Van Der Wilden¹, P. Krijnen¹, L. Dol¹, S. Rhemrev², D. King³, M. DeMoya³, G. Velmahos⁴, I. Schipper¹; ¹Leiden, NL, ²Den Haag, NL, ³Boston, MA/US

4. Analysis of pelvic/acetabular injuries in a Middle-East government hospital  
   **T. Braunsteiner¹,** I. Abbas²; ¹Vienna, AT, ²Al Ain, AE

5. Epidemiological Profile of Major Trauma Patients Admitted to a Trauma Center in Brazil  
   **C.A. Menegozzo¹,** P.H. Alves¹, M. Rocha¹, M. Jucá², A. Pflug¹, C. Bernini¹, E. Utiyama¹; ¹Sao Paulo, BR, ²São Paulo - Sp, BR

   **J. Smith,** J. Fletcher, A. Curran, J. Peacock, M. Elniel, N. Misra; Liverpool, UK

7. Impact of Pelvic Fracture (Type B/C) on the Clinical Outcomes of Severely Injured Trauma Patients: Are They Still a Life Threatening?  
   **K. Almahmoud¹,** R. Pfeifer¹, W. Hyderabad¹, F. Hildebrand¹, A. Peitzman², H. Pape¹; ¹Aachen, DE, ²Pittsburgh, PA/US

8. Quality of life after pelvic ring fractures: long term outcomes; a cross-sectional study.  
   **L. Brouwers,** M. de Jongh, K. Lansink; Tilburg, NL

9. Evolution of Severe Trauma in Estonia Comparing Time Segments of Early versus Established Independence of the State  
   **S. Saar¹,** M. Sokirjanski², L. Junkin², J. Laos¹, A. Laar², I. Merioja², U. Lepner², L. Kukk¹, A. Remmelgas¹, T. Asser², K. Innos¹, J. Starkopf², P. Talving¹; ¹Tallinn, EE, ²Tartu, EE
2. The Healthcare Costs of Pedestrian Injuries in Qatar
   R. Consunji¹, A. El-Menyar², H. Al-Thani¹, F. Irfan¹, R. Latifi², M. Tuma³, R. Peralta¹; ¹Doha, QA, ²Tucson, AZ/US, ³Toronto, ON/CA

3. Direct admission versus transfer to a level 1 trauma center improves survival.
   M. Bala, A. Kedar, R. Arnon, G. almogy; Jerusalem, IL

4. Lack of pre hospital triage results in emergency department burden trauma as well as non-trauma related emergencies
   H. Bahuoth, Y. Kluger, A. BEN YEHEZKEL; Haifa, IL

5. Acute care length of stay for injury admissions: a comparison across trauma systems
   L. Moore¹, D. Evans², S. Hameed³, N. Yanchar⁴, H. Stelfox⁵; ¹Quebec, CA, ²Vancouver, AB/CA, ³Vancouver, CA, ⁴Halifax, AB/CA, ⁵Calgary, CA

6. A Closed Loop Audit Cycle of Surgical Readmissions to an Emergency General Surgery Unit
   J. poonian, C. Machin, N. Misra; Liverpool, UK

7. Reduced mortality following the introduction of a multimodal multidisciplinary perioperative protocol in high risk emergency gastrointestinal surgery patients
   L. Tengberg, M. Bay-Nielsen, T. Bisgaard, M. Chhoric, M. Lauritsen, N. Foss; Hvidovre, DK

8. The Liverpool Ortho-plastic Service: What have we achieved?
   N. Sargazi, A. Abd El Gawad, B. Narayan, D. Bell, S. Nayagam, K. Graham; Liverpool, UK

9. Responding to an influx of war-wounded patients: nursing staff in the Trauma Room
   E. Solomonov, A. Braslavsky, A. Bukin, O. Efremov, A. Rapoport, A. Fedorenko, I. Dashkovsky, W. Karim, M. Vaskovic, S. Biswas, D. Fuchs; Galilee, IL

10. Danish trauma team competencies- A national point prevalence study
    K. Steinthorsdottir¹, P. Svenningsen², R. Fabrizius², J. Hillingsøe¹, L. Svendsen¹, M. Sillesen²;¹Copenhagen, DK, ²Copenhagen Ø, DK

08:30 – 10:00
Guest Symposium ETCO
Chairs: Michael Hüpfli, Vienna/AT & tba

08:30 – 10:00
Guest Symposium ATCN
Chairs: Frederic Lodier, Lyon/FR

1. Overview of ATCN international
   Michael Glenn, Seattle/US

2. Presentation of ATCN in Europe
   Candida Durao, Lisbon/PT

3. New relationship in the Emergency Teams after ATLS/ATCN courses
   tba

4. 5 years-experience of ATCN in Germany
   Margot Dietz-Wittstock, Flensburg/DE
5. Round table: Projects for ATCN in Europe in the future
   tba
6. How to organize a European trauma nurses network?
   tba

10:30 – 12:00
Room Strauss

ICL
Innovations and new techniques
Chairs: Tal Hörer, Örebrö/SE & Timothy Williams, Virginia/US

1. Intrathecal administration of bone marrow mononuclear cells for the treatment of spinal Injury
   Takeshi Nakatani, Osaka/JP
2. Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA) for Trauma: New Horizons in Trauma Care
   Timothy Williams, Virginia/US
3. Self Expanding foam for intraabdominal exsanguination
   Victor Reva, Saint Petersburg/RU
4. Innovations in ECMO
   Daniel Zimpfer, Vienna/AT
5. EVT for Visceral trauma
   Tal Hörer, Örebrö/SE

10:30 – 12:00
Room Stolz

ICL
Terrorism attacks with high energy weapons – are we prepared?
Chairs: Pedro Ramos, Funchal/PT & Ingo Marzi, Frankfurt/DE

1. Experiences of the recent attack in Paris
   Francois Pons, Paris/FR
2. What are the challenges with mass casualty incidents with penetrating injuries?
   Rifat Latifi, US
3. Norway experience after Oslo shooting
   Paal Aksel Naess, Oslo/NO
4. In and outs of ballistics
   Nicolas Prat, Lyon/FR
5. How to deal with a mass casualty with penetrating injuries
   Merin Ofer, IL

10:30 – 12:00
Room Lehar 1
Free Paper Session
Polytrauma 2
Chairs: Raul Coimbra, San Diego/US & Albert Köpfl, Schladming/AT

1. Eleven definitions of polytrauma in comparison
   S. Frenzel\textsuperscript{1}, P. Krenn\textsuperscript{1}, G. Halat\textsuperscript{2}, T. Heinz\textsuperscript{1}, S. Hajdu\textsuperscript{2}, L. Negrin\textsuperscript{2}; \textsuperscript{1}Wien, AT, \textsuperscript{2}Vienna, AT
2. Impact of self-inflicted injuries and fall from height mechanism on the outcome of trauma patients
   N. Allievi, M. Ceresoli, S. Magnone, F. Coccolini, G.E. Nita, E. Poletti, L. Ansaloni; Bergamo, IT
3. Coverage and accuracy of diagnosis and procedural coding of severely injured patients in Finnish Hospital Discharge Registry - comparison of data to Helsinki Trauma Registry. 
M. Heinänen¹, T. Brinck¹, L. Handolin¹, V. Mattila², T. Söderlund¹; ¹Helsinki, FI, ²Tampere, FI

4. Missed injury in polytrauma patients. The effect of tertiary trauma survey 
S. LOPEZ, A. TORO, A. CAPEL, V. JIMENEZ, A. PRADA, M. ALVAREZ; Madrid, ES

5. The impact of cardiorespiratory and/or hemodynamic instability on the mortality of polytraumatized patients
L. Negrin¹, G. Halat¹, A. Antoni¹, T. Heinz², S. Hajdu¹; ¹Vienna, AT, ²Wien, AT

6. Fibrinogen level at admission is associated with 24-hour mortality in polytraumatized adults
B. Gareb, A.J. Andela, M. El Moumni; Groningen, NL

7. Surgical treatment is rarely required in polytrauma patients with severe chest injury

8. Polytrauma patients with severe thorax injuries - has anything changed? A 9-year experience at a tertiary trauma center
M. Heinänen¹, T. Söderlund¹, L. Handolin¹, R. Lefering², T. Brinck¹; ¹Helsinki, FI, ²Cologne, DE

9. Epidemiology of sternovertebral injuries in Germany
S. Krinner¹, S. Grupp¹, F.F. Hennig¹, A. Langenbach¹, S. Schulz-Drost²; ¹Erlangen, DE, ²Berlin, DE

10. Traffic-related injuries among the youth in the United Arab Emirates
M. Grivna, H. Eid, F. Abu-Zidan; Al-Ain, AE

10:30 – 12:00 Room Lehar 2

Keynote Session

Bleeding 1

1. Keynote Lecture: Acute Coagulopathy after hemorrhage: What do we know? 
Tina Gaarder, Oslo/No

2. A Review Of 24 Months Of Traumatic Massive Haemorrhage Management In A UK Level One Major Trauma Centre - Aintree University Hospital
N. Jain¹, B. Altemimi², N. Misra²; ¹7al, UK, ²Liverpool, UK

3. Increase in Heart Rate Variability can be an index for end point of resuscitation in trauma patients.
A. Foroutan, S. Paydar, S.T. heydari, S.A. Hashemi; Shiraz, IR

4. Prehospital volume resuscitation - Did evidence defeat the crystalloid dogma? An analysis of the TraumaRegister DGU® 2002 - 2012
A. Driessen¹, M. Fröhlich², N. Schäfer², M. Mutschler², J. Defosse², T. Brockamp³, B. Bouillon², E. Stürmer², R. Lefering¹, M. Maegele²; ¹Cologne, DE, ²Köln, DE, ³Bonn, DE
5. Can one size fit all? First fixed-distance model for the placement of a balloon during fluoroscopy-free REBOA in a civilian mixed population.

P. PEZY¹, A. FLARIS¹, N. PRAT², F. COTTON³, J. CAILLOT³, E. VOIGLIO¹; ¹Lyon, FR, ²Brétigny Sur Orge, FR, ³Pierre Bénite, FR

6. The performance of bare-metal versus covered stents in an ovine model of blunt occlusive arterial trauma

V. Reva¹, J. Morrison², A. Denisov¹, S. Telickiy¹, A. Seleznev¹, I. Zheleznyak¹, E. Mikhailovskaya¹, I. Samokhvalov¹; ¹Saint-Petersburg, RU, ²Glasgow, UK

7. The Efficacy and Safety of 7Fr Intra-aortic Balloon Occlusion (IABO) catheter as a REBOA device for Traumatic Hemorrhage Shock Patients

T. Orita¹, T. Funabiki², M. Yamazaki², M. Shimizu², S. Matsumoto², N. Hiroe², M. Kitano²;¹Yokohama-Shi, JP, ²Yokohama-City, JP

8. Assessment, treatment and results in Penetrating abdominal trauma. A retrospective study of 102 cases.

A. Dogjani, E. Petrela, B. Hasanaj, E. Jonuzaj, N. Kallashi; Tirana, AL

9. Determinants of mortality in hemodynamically unstable pelvic fractures

E. Vacas, J. Ferrero, J. Zorrilla, M. Arroyo, C. Olaya, P. Caba; Madrid, ES

10:30 – 12:00

Room Schubert 1

Guest Symposium AGA

**Multiligament Injuries**

Chairs: Karl Benedetto, Feldkirch/AT & Karl-Heinz Frosch, Hamburg/DE

1. Clinical and instrumental diagnostics
   Dominik Seybold, Bochum/DE

2. Internal Bracing in acute knee dislocations
   Karl-Heinz Frosch, Hamburg/DE

3. Ligament reconstruction in the acute phase
   Karl Benedetto, Feldkirch/AT

4. Secondary reconstruction in chronic instabilities
   Pierre Hepp, Leipzig/DE

5. Management of complications
   Christian Schoepp, Duisburg/DE

10:30 – 12:00

Room Schubert 2

Keynote Session

**Intestinal emergencies**

Chairs: Reinhold Függer, Linz/AT & Carlos Mesquita, Coimbra/PT

1. **Keynote:** Management of patients with perforated cocaine bodypacks
   Andreas Pentsch, Linz/AT

2. **Keynote:** Management of patients with foreign bodies in the GI tract
   Felix Aigner, Berlin/DE

3. Razor blade ingestions: is the conservative management safe?
   S. Stefano¹, K. Inaba², M. Sozzi³, J. Cho², K. Matsushima², A. Strumwasser², E. Benjamin², D. Demetriades²; ¹Los Angeles, US, ²Los Angeles, CA/US, ³San Donato
Milanese, IT

4. Prognostic factors in patients surgically treated for blunt abdominal trauma – a retrospective study
   R. Sapage¹, A. Marçal², N. Tenreiro², H. Moreira², C. Santos², A. Oliveira²; ¹Senhora Da Hora, PT, ²Vila Real, PT

5. Benefits of computed tomography tractography in evaluation of anterior abdominal stab wounds
   I.S. Sarici, T. Ertan, Y. Sevim, T. Sarigoz, O. Topuz, B. Tastan; Kayseri, TR

6. Use of Laparoscopy in the Diagnosis and Treatment of Abdominal Stabbing and Bunt Injuries: 10-year Experience at a Single Institution
   H. Lin, Y. Chen, K. Lin; New Taipei City, TW

7. Temporary arterial shunts in damage control: experience and outcomes
   M. Seamon¹, B. Smith², J. Cannon¹, P. Reilly², C. Schwab²; ¹Philadelphia, US, ²Philadelphia, PA/US

12:00 – 12:30 Room Strauss
The Sten Lennquist Lecture
**Emergency surgery: a vanishing specialty or a new subspecialty?**
Alastair Wilson, London/UK

12:30 – 14:00 Room Schubert 1
ATLS Guest Symposium
**The ATLS virus spread around the world: focus on Europe and Africa**
Chairs: Andrew Baker, Durban/SA, Inger Schipper, Leiden/NL

Battle:
1. No need for ATLS in Austria: existing courses provide sufficient Trauma Training!
   Christoph Wölfli, Mainz/DE
2. ATLS is the basic Trauma Training for every country! Works well in combination with additional courses
   Matthias Münzberg, Ludwigshafen/DE

14:00 – 15:30 Room Strauss
Mini-Battles
**Pro & Cons**
Chairs: Isidro Martinez, Alicante/ES & Pol M. Rommens, Mainz, DE

1. Skeletal Trauma: operative vs. non-operative treatment proximal humerus fracture over 60
   Christian Krettek, Hannover/DE vs. Mika Paavola, Helsinki/FI

2. Emergency surgery: to drain or not to drain after laparotomy for peritonitis
   Andreas Shamiyeh, Linz/AT vs. Mauro Zago, Bergamo/IT

3. Polytrauma: pelvic packing or embolization
   Pal Aksel Naess, Oslo/NO vs. Florian Wolf, Vienna/AT
4. Visceral Trauma: hemothorax: simple drain or thoracoscopy?  
Henrik Aamodt, NO vs. Gery Bass, Dublin/IR

14:00 – 15:30  
Guest Symposium EBJIS  
**Myths & Truths: local antibiotics**  
Chair: Heinz Winkler, Vienna/AT

14:00 – 15:30  
ICL  
**Cross Border Rescue – a European initiative to improve patient care**  
Chair: Hans-Christoph Pape, Aachen/DE & Boris Zelle, San Antonio/US

1. Dutch-German cross border collaboration in traumatology and beyond: the Aachen-Maastricht perspective  
Thomas Ittel, Aachen/DE
2. Regional improvements through communication – the Groningen experience  
Klaus Wendt, Groningen/NL
3. Cross border relationships in rural area in the southern United States  
Boris Zelle, San Antonio/US
4. Northern Europe – how to overcome the sea influence trauma care  
Tina Gaarder, Oslo/NO
5. Boundless Trauma Care Central Europe (BTCCE) Project  
Hagen Andruszkow, Aachen/DE  
Marian Ramakers-van Kuijk, Maastricht/NL

14:00 – 15:30  
Keynote Session  
**Bleeding 2**  
Chairs: Jorge Pereira, Viseu/PT & Timothy Williams, US

1. Keynote Lecture: NOACs and emergency surgery: What shall we do?  
Jorge Pereira, Viseu/PT
2. Trauma-induced coagulopathy: potential role of platelet-leukocyte aggregation  
J. Zipperle, C. Schlimp, M. Ponschab, P. Dungel, H. Redl, S. Bahrami, H. Schoechl;  
Vienna, AT
3. Low-Molecular-Weight Heparin Prophylaxis in Patients with Blunt Solid Organ Injuries undergoing Non-Operative Treatment  
T. Khatsilouskaya, T. Haltmeier, M. Cathomas, D. Candinas, B. Schnüriger; Bern, CH
4. Acute Fibrinolysis Shutdown Without Coagulopathy Following Severe Injury is the Most Common Phenotype of Post Injury Mortality  
H. Moore¹, E. Moore¹, E. Gonzalez², M. Chapman¹; ¹Aurora, CO/US, ²Aurora, US
5. Activated Thrombin-Activatable Fibrinolysis Inhibitor (TAFIa) levels are significantly decreased in patients with early trauma-induced coagulopathy  
T. Lustenberger¹, B. Relja², M. Voth¹, P. Störmann¹, I. Marzi¹; ¹Frankfurt, DE, ²Frankfurt

Scientific programme as of Thursday, January 29, 2016
6. Hemostasis Efficacy Comparison Among Chitosan-Based Dressings in a Format of sponge, Non-Woven and Woven Gauze  
Y. Kuo¹, C. Li², Y. CHEN², T. Lin³; ¹New Taipei City, CN, ²New Taipei City, TW, ³Taipei, TW

7. The use of massive transfusion protocol for trauma and non-trauma patients in a civilian setting: what can be done better?  
R. Wijaya, G. Cheng, C.K. Chong; Singapore, SG

8. Coagulopathy in Traumatic Brain Injury: fact or fiction?  

9. Undefined Gastrointestinal Bleeding Source In Elderly: Exploring Aetiology And Proposing Conservative Management Concept  
M. Nasr, Hufof, Al Ahsa, SA

14:00 – 15:30
Guest Symposium EFORT

14:00 – 15:30
Free Paper Session
Experimental Research in Fracture Treatment
Chairs: Kambiz Sarahrudi, Vienna/AT & Herbert Resch, Salzburg/AT

1. Increased serum concentrations of noggin during human fracture healing.  
F. Domaszewski¹, A. Thomas², S. Hajdu³, K. Sarahrudi³; ¹Wien, AT, ²Vienna, AT

2. The Role of Dickkopf-1 in Human Fracture Healing  
M. Gregori, A. Thomas, S. Hajdu, K. Sarahrudi; Vienna, AT

3. Therapeutic cells isolated from human adipose tissue – towards a non-enzymatic one-step procedure  
E. Oberbauer¹, C. Wurzer¹, C. Steffenhagen¹, S. Süßner², H. Redl¹, C. Gabriel², S. Wolbank¹; ¹Vienna, AT, ²Linz, AT

4. First experimental experiences of calcium sulphate bone filler for treatment of primary traumatic bone defects and secondary bone defects in posttraumatic osteomyelitis  
G. jukema, M. Romero Toledo, G. Wanner, H. Simmen; Zürich, CH

5. Impact of bone cement augmentation on the fixation strength of TFNA blades and screws  
L. Hofmann-Flini¹, J. Hagen¹, Y. Agarwal¹, S. Scherrer², A. Weber², M. Altmann², M. Windolf², B. Gueorguiev²; ¹Davos, CH, ²Zuchwil, CH, ³Davos-Platz, CH

6. Intramedullar Polymer For Rapid Stabilization Of Pathological Pelvic Fractures  
S. Heck, S. Gick, D. Pennig; Köln, DE

7. Extracorporeal shockwave therapy (ESWT) ameliorates healing of tibial fracture non-union unresponsive to conventional therapy  
R. Mittermayr, N. Haffner, D. Smolen, W. Schaden; Vienna, AT
8. Tibia deformation in partial weight bearing
   B. Ganse¹, P. Yang², J. Gardlo³, P. Gauger³, A. Kriechbaumer³, H. Pape¹, T. Koy³, L. Müller³, J. Rittweger³; ¹Aachen, DE, ²Xi’an, CN, ³Köln, DE

9. Principle and results of extramedullary nail application in diaphyseal femoral fractures treatment
   M. Mitkovic, S. Milenkovic, I. Micic, I. Kostic, M. Mitkovic; Nis, RS

10. Differential Velocity Calculation for Rapid Detection of Occult Hyperfibrinolytic Coagulopathy by tPA-Challenged Thrombelastography
    M. Chapman¹, E. Moore², H. Moore¹, E. Gonzalez¹, J. Chandler¹, A. Morton², C. Fleming¹, A. Ghasabyan¹, C. Silliman¹, A. Banerjee¹; ¹Aurora, CO/US, ²Aurora, US