

Sunday, May 25, 2014

08:00 - 10:00

Harmonie

ILC - World Trauma Congress, Polytrauma, Neurotrauma

Prehospital care in trauma

Chairs: M. Croce, Tennessee; B. Bouillon, Cologne

1. Still Scoop and Run?
M. Croce, Tennessee
2. Still Stay and Play
B. Bouillon, Cologne
3. Role of Air Transport in Urban areas
C. Reimertz, Frankfurt
4. Role of air transport in the Swiss mountains
D. Heim, Frutigen
5. Pre-hospital care in austere environments
T. Dietze, Koblenz

08:00 - 10:00

Fantasia

Keynote Session - Visceral Trauma, Abdominal Trauma, Thoracic Trauma, Vascular Trauma

Surgical Critical Care

Chairs: R. Breederveld, Beverwijk; V. Bansal, San Diego

1. **Keynote: The Role of Immunonutrition at the surgical ICU**
V. Bansal, San Diego
2. O001 - Use of ACS-TQIP to analyze the cause of unplanned extubation in trauma patients
A. Emmanuel, S. Ellner, D. Shapiro, C. Desai, W. Marshall; Hartford, CT/US
3. O002 - Accuracy of Non-invasive Haemoglobin Measurement by Spectrophotometry (SpHb) in Trauma Patients in the Surgical Intensive Care Unit (SICU)
S.F. Lim, S. Koh, N. Lim, C.K. Chong; Singapore/SG
4. O003 - Current awareness of abdominal compartment syndrome: Interim results of the World Society of Abdominal Compartment Syndrome AMERICAS Survey
B. Pereira¹, B. Redondano¹, B. de Keulenaer², G. Fraga¹, J. de Waele³, M. Malbrain⁴;
¹Campinas/BR, ²Fremantle, WA/AU, ³Ghent/BE, ⁴Antwerp/BE
5. O004 - Effect of early feeding after emergency surgery in patients with gastrointestinal perforation
S.H. Lee, J.Y. Jang, H.W. Kim, J.G. Lee; Seoul/KR
6. O005 - Do not tight so hard: Intra-abdominal Pressure as a Predictor of Acute Kidney Injury Postoperatively to Abdominal Surgery
A.C. Demarchi, C. Almeida, P. Abreu-Reis, L. Martin, D. Ponce, A. Balbi, U. Teixeira, A. Kochi; Botucatu/BR
7. O006 - Acute corticosteroid insufficiency in polytrauma patients with combined neurotrauma
T. Kusmenkov, M. Brumann, H.J. Schneider, W. Mutschler, V. Bogner; München/DE
8. O007 - Is early tracheostomy after ventral approach to cervical spine elevate the wound infection risk?
S. Schneider, C. Josten, L. Huthmann, U.X. Kaisers, S. Bercker; Leipzig/DE
9. O008 - Extracorporeal lung support and high frequency oscillation ventilation in severe injured patients
J. Swol, D. Buchwald, J. Strauch, T. Schildhauer; Bochum/DE
10. O009 - Postoperative Pulmonary Complications (PPC) prevalence in a surgical abdominal population

11. V. Perilli, P. Ancona, P. Aceto, L. Sollazzi, S. magalini, C. Lodoli, G. Pepe, D. Gui; Rome/IT
O010 - Use of double lumen cannula for veno-venous ECMO in trauma patients
M. Gothner, D. Buchwald, J. Strauch, T. Schildhauer, J. Swol; Bochum/DE
12. O011 - Fulminant Clostridium Difficile Colitis: Prospective Development of a Risk Scoring System
G. van der Wilden¹, Y. Chang², C. Cropano², M. Subramanian², I. Schipper¹, D. Yeh², D. King², M. DeMoya², P. Fagenholz², G. Velmahos²; ¹Leiden/NL, ²Boston, MA/US
13. O012 - Vitamin D Status and Severity of Clostridium difficile Infections in Hospitalized Adults
G. van der Wilden¹, P. Fagenholz², G. Velmahos², S. Quraishi³, I. Schipper¹, C. Camargo³; ¹Leiden/NL, ²Boston, MA/US, ³Boston/US

08:00 - 10:00

Illusion 1 + 2

Keynote Session - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Treatment of Humerus Fractures

Chairs: K. Burkhart, Cologne; V. Senekovic, Ljubiana

1. **Keynote: Nailing or Plating of the proximal humerus today**
K. Burkhart, Cologne
2. O013 - Effect of chronic heavy smoking on proximal humerus fractures healing
W. Jerjes, J. Callear, P. Giannoudis; Leeds, West Yorkshire/UK
3. O014 - Diaphyseal humeral fractures: failure analysis of a single centre series.
V. Wijnen, W. Metsemakers, S. Nijs; Leuven/BE
4. O015 - Radial nerve palsy in humeral shaft fractures with internal fixation: Analysis of management and outcome
T. Schwab, P. Stillhard, C. Sommer; Chur/CH
5. O016 - Proximal Humeral Fractures: Non-Operative Treatment Versus Intramedullary Nailing In 2-,3- and 4-Part Fractures
M. Lange, T. Mittlmeier, G. Gradl; Rostock/DE
6. O017 - Results of the four-part fracture dislocations of the proximal humerus (Neer VI) treated with a locking plate
A. Baltov, D. Enchev, M. Rashkov; Sofia/BG
7. O018 - Prosthesis or angular-stable osteosynthesis in elderly patients with intraarticular fractures of the distal humerus?
K. Schmidt-Horlohe, P. Wilde, L. Becker, M. Weißenberger, R. Hoffmann; Frankfurt Am Main/DE
8. O019 - Is conservative treatment of humeral shaft fracture still relevant in 2014
S. Abrassart, P. Hoffmeyer; Geneva/CH
9. O020 - Decision-making in severely displaced fractures of the proximal humerus – fracture or surgeon based?
G. Gradl¹, V. Neuhaus², M. Knobe¹, D. Ring², H. Pape¹; ¹Aachen/DE, ²Boston/US
10. O021 - The association between body mass index and the severity of proximal humerus fractures: Effect on fracture union and soft tissue healing
W. Jerjes, J. Callear, P. Giannoudis; Leeds, West Yorkshire/UK
11. O022 - A comparison of interscalene block anaesthesia and general anaesthesia in patients with proximal humerus fracture
S. Baranovic¹, M. Milosevic¹, B. Bakota²; ¹Zagreb/HR, ²Karlovac/HR
12. O023 - Cement augmentation of a proximal humerus plate for osteoporotic fracture. Numerical analysis of a complex problem.
D. Widmer¹, C. Münch¹, M. Forte¹, L. Hofmann-Fliri¹, B. Gueorguiev-Rüegg¹, N. Südkamp², M. Windolf¹; ¹Davos Platz/CH, ²Freiburg/DE
13. O024 - Distal biceps tendon rupture - is surgical intervention really always necessary?

M. Pavelka, H. Schoechl, J. Obrist; Salzburg/AT

08:00 - 10:00

Illusion 3

ILC – World Trauma Congress, Polytrauma, Neurotrauma

New surgical procedures for multiple trauma patients: status of evidence

Chairs: L. Leenen, Utrecht; J. Asensio, Valhalla

1. Early stabilization of chest wall – When to do it?
M Bemelman, Utrecht
2. Percutaneous dilatation tracheostomy – should it substitute open tracheostomy?
E. Muhl, Lübeck
3. Endovascular Treatment for Thoracic Aortic Tears
Th. Schmitz-Rixen, Frankfurt
4. Early Decompressive Craniotomy : a new way to go
A. Unterberg, Heidelberg
5. Major vascular injuries of the chest
J. Asensio, Valhalla

08:00 - 10:00

Conclusio

Free Paper Session - World Trauma Congress, Polytrauma, Neurotrauma

Neuro- and Spine Trauma

Chairs: W.I. Steudel, Homburg; M. Keel, Berne

1. O025 - Prospective evaluation of Penetrating Injury of the Neurocranium
O. van Waes¹, E. Reinders Folmer¹, M. Visser¹, E.M. van Lieshout¹, P. Navsaria², J. Schouten¹, A. Nicol², J. Vermeulen¹; ¹Rotterdam/NL, ²Cape Town/ZA
2. O026 - The Effect of Early Chemoprophylaxis on Deep Venous Thrombosis and Inferior Vena Cava Filter Rates in Head Injured patients.
P. Hutchinson, P. Parikh, M. Walusimbi, M. Whitmill, A.P. Ekeh; Dayton, OH/US
3. O027 - Self-Reported Outcomes after Head Injury – Assault as a Red Flag for Adverse Outcomes
Z. Su, D. Davies, H. Wijesinghe, D. Hacker, A. Belli; Birmingham/UK
4. O028 - The daily practice of immobilizing fractures of the Thoracolumbar Spine
S. Groen¹, J. ten Brinke¹, T. Saltzherr², M. Hogervorst¹; ¹Apeldoorn/NL, ²Amsterdam/NL
5. O029 - Pre-hospital immobilization of the Cervical Spine in the alert patient who were ambulatory on scene after blunt trauma: a retrospective analysis
S. Groen¹, J. ten Brinke¹, T. Saltzherr², M. Hogervorst¹; ¹Apeldoorn/NL, ²Amsterdam/NL
6. O030 - The anterior transarticular C1-2 stabilisation in atlanto-axial instabilities of geriatric patients- benefit and problems
C. Josten, J. Jarvers, U. Spiegl, S. Glasmacher; Leipzig/DE
7. O031 - Loosening rate and loss of correction in multisegmental posterior stabilization with or without PMMA-augmentation of pedicle screws in vertebral fractures of the aging spine.
A. El Saman, S. Meier, A. Sander, A. Kelm, H. Laurer, I. Marzi; Frankfurt Main/DE
8. O032 - Comparison of open vs. MIS reduction capabilities in spinal fractures using the new percutaneous Schanz-screw based Internal Fixator.
A. Pizanis, B. Braun, J. Holstein, T. Pohlemann; Homburg/DE
9. O033 - Clinical Clearance of the Cervical Spine in Children with Blunt Trauma - Results in a Level-II Trauma Center.
I. Vereijken, J. ten Brinke, S. Groen, M. Hogervorst; Apeldoorn/NL
10. O034 - Prehospital immobilization in suspected cervical spine fractures.

J. ten Brinke¹, S. Groen¹, T. Saltzherr², M. Hogervorst¹; ¹Apeldoorn/NL, ²Amsterdam/NL

08:00 - 10:00

Spektrum 1

Free Paper Session - World Trauma Congress, Polytrauma, Neurotrauma

Trauma Scores and Modeling

Chairs: D. Clarke, Dorpspruit; A. Haider, Baltimore

1. O035 - Novel Scoring Model using A 3-Dimensional Approach for the Assessment of the Quality of National Trauma Systems
H. Al-Thani¹, A. El-Menyar¹, R. Latifi²; ¹Doha/QA, ²Tucson, AZ/US
2. O036 - A quality indicator to benchmark acute care length of stay for trauma admissions
L. Moore¹, H. Stelfox², A. Turgeon³, A. Nathens⁴; ¹Quebec/CA, ²Calgary, AB/CA, ³Quebec, QC/CA, ⁴Toronto, ON/CA
3. O037 - Validation of the Revised Injury Severity Score in patients with traumatic brain injury
R. Raj¹, T. Brinck¹, M. Skrifvars¹, R. Kivisaari¹, J. Siironen¹, R. Lefering², L. Handolin¹; ¹Helsinki/FI, ²Cologne/DE
4. O038 - Volume Does Matter
A. Gunning¹, K. Lansink¹, K. van Wessel¹, Z. Balogh², R. Maier³, L. Leenen¹; ¹Utrecht/NL, ²Newcastle, NSW/AU, ³Seattle, WA/US
5. O039 - Donabedian's structure-process-outcome quality of care model: validation in an integrated trauma system
L. Moore¹, A. Lavoie², G. Bourgeois³, J. Lapointe³; ¹Quebec/CA, ²Québec, QC/CA, ³Montréal, QC/CA
6. O040 - One Stop Orthopaedic Clinic: Innovative Value-Added Musculoskeletal Radiology In The New Model Of Patient Care Cycle
A. Sahu, P. Sankaye, S. Wake, W. Chong, S. Suresh, A. Gafoor; Plymouth/UK
7. O041 - Outcomes from a Major Trauma Centre - The importance of mechanism of injury.
L. Evans¹, D. Bew²; ¹Norwich/UK, ²London/UK
8. O042 - Ground-Level Falls in Japan
T. FUJITA, Y. UCHIDA, K. NAKAZAWA, M. KITAMURA, T. TSUNOYAMA, H. ISHIKAWA, T. Sakamoto; Tokyo/JP
9. O043 - Patient Evaluation of Outpatient Venous Thromboembolism prophylaxis Service Following Lower Limb Injuries
C. Menakaya, A. Khan, T. Nunn, N. Pennington, M. Ward, R. Malhotra, N. Muthukumar, A. Mohsen; Jz/UK
10. O044 - The potential impact of implementing the Canadian CT Head Rule at an urban trauma center.
D. Petersen, M. Bonta*, J. Elliott, V. Schuler, J. Hubartt; Columbus, OH/US
11. O045 - Description of older trauma patients in the southern county of the Netherlands.
C. van Delft-Schreurs, M. de Jongh; Tilburg/NL
12. O046 - Quality of critical clinical data communication during patient transfer to a Level I Trauma Centre in British Columbia, Canada
N. Bradley, N. Garraway, J. Li, N. Lakha, R. Simons, S. Hameed; Vancouver, BC/CA
13. O047 - Venous thrombosis following fractures below the knee: A nationwide Danish cohort study
L. Wahlsten¹, H. Eckardt¹, P. Jensen¹, C. Torp-Pedersen², G. Gislason³, J. Olesen³; ¹Copenhagen/DK, ²Aalborg/DK, ³Hellerup/DK
14. O048 - Pre-injury functional status of trauma patients - A comparison with the general Dutch population
M. de Graaf, M. el Mounni, E. Heineman, K. Wendt, I. Reininga; Groningen/NL

15. O049 - The bigger they are the harder they fall: correlations between obesity and trauma patients of a Level 1 trauma center in South Brasil.
P. Abreu-Reis¹, A. Nasr¹, F. Tomasich¹, I. Collaco¹, C. Almeida²; ¹Curitiba/BR, ²Botucatu/BR
16. O050 - Using the American College of Surgeons Trauma Quality Improvement Program (ACS-TQIP) to determine 30-day complication and hospital readmission rate
A. Emmanuel, S. Ellner, D. Shapiro, W. Marshall; Hartford, CT/US

08:00 - 10:00

Spektrum 2

Free Paper Session - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Femur Fracture Treatment I

Chairs: S. Rose, Luxemburg; G. Okcu, Izmir

1. O051 - Novel Image intensifier based Navigation System for Accurate Lag Screw Positioning– Comparison of. Navigated TAD measurement vs. a Convention Matched Cohort
G. Heinrichs¹, J. Herzog¹, A. Schulz¹, R.H. Burgkart²; ¹Luebeck/DE, ²Muenchen/DE
2. O052 - Damage Control for Treating Polytrauma patients with Femoral Fractures
O. LUPESCU, M. NAGEA, C. PATRU, A. DIMITRIU, D. LUPESCU; Bucharest/RO
3. O053 - Single injury hip fracture at a level I and level II trauma center: an analysis of quality measures
J. van Laarhoven, G. Van Lammeren, F. Hietbrink, R. Houwert, C. Van Laarhoven, E.J. Verleisdonk, L. Leenen; Utrecht/NL
4. O054 - Cutting out in trochanteric fractures can be avoided by I beam profile of the femour neck component (GN /Gliding Nail)
W. Friedl, Aschaffenburg/DE
5. O055 - Minimally invasive LCP fixation of distal femur fractures (Type A and C)
D. Enchev, M. Rashkov, A. Baltov; Sofia/BG
6. O056 - Initial Experiences And Results With A Dynamic Locking Plate For The Treatment Of Intracapsular Hip Fractures
D. Gruszka, S. Dietz, R. Kuchle, R. Brodt, P. Rommens; Mainz/DE
7. O057 - CT evaluation in femoral trochanteric fractures - Relation to clinical results -
E. Shoda, S. Kitada, K. Ouchi, S. Maruyama, Y. Okada, T. Tanaka, Y. Sasaki; Nishinomiya, Hyogo/JP
8. O058 - Crossing angle as a predictor of internal fixation failure for a type A of proximal femur fracture.
M. Krticka, D. Ira, V. Nekuda, M. Masek, J. Švancara; Brno/CZ
9. O059 - Lateral cortical notching - a simple treatment procedure for certain types of nonunions after proximal femoral nailing
R. Biber, H. Stedtfeld, H.J. Bail; Nürnberg/DE
10. O060 - Lag screws sliding initiation in Mitkovic type Selfdynamysible Internal Fixator (SIF) for proximal femur
M. Mitkovic, M. Manic, D. Petkovic, M. Mitkovic, I. Kostic; Nis/RS
11. O061 - Evaluation of pre-operative traction in 347 patients with trochanteric fractures treated with a Gamma3 nail
G. Heinrichs, E. Wilde, A. Schulz; Luebeck/DE

10:30 - 12:00**Harmonie**

Guest Symposium OTA - World Trauma Congress, Polytrauma, Neurotrauma

The first hours after admission – how I do it

Chairs: R. Leighton; H.C. Pape, Aachen

1. How to: assess the physiologic response
M. Rotondo, Greenville
2. How to: overcome major bleeding
K. Boffard, Johannesburg
3. How to: manage the long bone fractures
R. Leighton, Halifax
4. How to: handle the unstable pelvis
M. Keel, Berne
5. How to: avoid overlooked injuries
R. Gruen, Melbourne

10:30 - 12:00**Fantasie**

ILC AAST - Emergency Surgery, Acute Care Surgery, Surgical Intensive Care

Multi-Organ Damage Control Strategies

Chairs: W. Cioffi, Providence; Y. Otomo, Tokyo

1. Damage Control Approaches: Abdomen & Pelvic
M. Croce, Tennessee
2. Thoracic Damage Control
R. Coimbra, San Diego
3. Vascular Damage Control: Ligation, shunts and other maneuvers
Y. Otomo, Tokyo
4. Critical Care: Resuscitation goals & endpoints for the damage control patient
G. Velmahos, Boston
5. Damage Control Resuscitation: factors, pro-coagulants, monitoring
E. Moore, Denver

10:30 - 12:00**Illusion 1 + 2**

Guest Symposia DVSE - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Focus on Elbow Trauma

Chairs: L.P. Müller, Cologne; U. Brunner, Agatharied

1. Simple Elbow Dislocation: Diagnostics and treatment
K. Burkhart, Cologne
2. Coronoid fractures
L.P. Müller, Cologne
3. Distal humeral fractures
P. Rommens, Mainz
4. Proximal ulna fractures
H. Lill, Hannover
5. Posttraumatic Elbow stiffness
U. Brunner, Agatharied

10:30 - 12:00**Illusion 3**

Round Table EMN - World Trauma Congress, Polytrauma, Neurotrauma

Neurotrauma in the polytrauma patient

Chairs: L. Leenen, Utrecht; V. Seifert, Frankfurt

1. Bleeding control first?
D. Demetriades, Los Angeles
2. Decompression first?
V. Seifert, Frankfurt
3. Neurotrauma during military actions: acute management
U. Kunz, Ulm
4. Staged treatment procedure and effect on MODS
L. Leenen, Utrecht
5. Intensive care of the combined neurotrauma and polytrauma patient
A. Unterberg, Heidelberg

10:30 - 12:00**Conclusio**

Guest Symposia DGAV/CAMIN - Visceral Trauma, Abdominal Trauma, Thoracic Trauma, Vascular Trauma

The Open Abdomen

Chairs: R.S. Mackersie, San Francisco; R. Schwab, Koblenz

1. Open Abdomen in Trauma
R.S. Mackersie, San Francisco
2. Staged concept of vacuum therapy in open abdominal treatment
A. Willms, Koblenz
3. Management of Severe Pancreatic Trauma
G. Saurabh, New Dehli
4. Colostomy and enteric fistula in open abdominal Treatment
J. Jaehne, Hannover
5. Enteral nutrition in the patient with an open abdomen
V. Bansal, San Diego

10:30 - 12:00**Spektrum 1**

Keynote Session - World Trauma Congress, Polytrauma, Neurotrauma

Prehospital Trauma Care

Chairs: S. Rizoli, Toronto; B. Friemert, Ulm

1. **Keynote: Adaption of prehospital procedures by new stabilization tools of the pelvis**
U. Schweigkofler, Frankfurt
2. O062 - Outcome of air and ground transport of major trauma patients to a tertiary care hospital in Thailand
D. Poovootikoon, E. Surakarn; Bangkok/TH
3. O063 - Civilian field experience with a chitosan-based haemostatic dressing
E. Tan, J. Peters; Nijmegen/NL
4. O064 - Pre-hospital trauma care can improve or worse survival in trauma patients?
A. Shiraishi, K. Hondo, Y. Otomo; Tokyo/JP
5. O065 - Tourniquets as first aid for haemorrhage – the layman ties himself up in knots!
E. Caruana, S. Micallef, M. Boffa, G. Torpiano, G. Maresca, G. Pace-Moore, J. Borg, P. Schembri-Wismayer; Msida/MT

6. O066 - Using a Mobile App to Help Emergency Medical Service Identifying and Contacting the Nearest Specialty Hospital
C. Juhra¹, J. Born¹, P. Neuhaus¹, T. Vordemvenne¹, R. Hartensuer¹, T. Weber², E. Bartholome², M. Raschke¹; ¹Münster/DE, ²Köln/DE
7. O067 - A Field Delivery System for Frozen Plasma
T. Chin¹, E. Moore², M. Chapman¹, H. Moore¹, E. Gonzalez¹, C.C. Silliman², F..B. West², J. Stringham¹, A. Banerjee¹, A. Sauaia¹; ¹Aurora, CO/US, ²Denver, CO/US
8. O068 - Bystander first aid in trauma
H. Bakke¹, T. Steinvik², S. Eidissen², M. Gilbert², T. Wisborg³; ¹Mo I Rana/NO, ²Tromsø/NO, ³Oslo/NO
9. O069 - Impact of helicopter emergency medical service in traumatized patients: Which patient benefits most?
H. Andruszkow¹, R. Lefering², U. Schweigkofler³, R. Pfeifer¹, K. Horst¹, M. Knobe¹, H. Pape¹, F. Hildebrand¹; ¹Aachen/DE, ²Cologne/DE, ³Frankfurt Am Main/DE

10:30 - 12:00

Spektrum 2

Keynote Session - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Bone and Tissue Healing after Orthopedic Surgery

Chairs: H. Redl, Vienna; G. Schmidmaier, Heidelberg

1. **Keynote: New concepts to improve bone healing**
G. Schmidmaier, Heidelberg
2. O070 - Photodynamic Bone Stabilization - New Horizon in Fracture Treatment
S. Heck, S. Gick, D. Pennig; Köln/DE
3. O071 - Autologous bone grafting with the reamer-irrigator-aspirator(RIA) system: a comparison of bone healing rate to iliac crest bone grafting.
S. Meier, C. Seebach, S. Kraft, M. Zollfrank, J. Frank, D. Henrich, I. Marzi; Frankfurt Main/DE
4. O072 - Alteration of Masquelet's induced membrane characteristics by different kinds of bone cement in a critical size defect model of the rat femur.
D. Henrich¹, C. Nau¹, A. Trumm¹, A. Schaible¹, H. Buchner², C. Seebach³, I. Marzi¹; ¹Frankfurt/DE, ²Wehrheim/DE, ³Frankfurt Main/DE
5. O073 - Autologous growth plate chondrocyte implantation to cartilage lesions of synovial joints.
R. Tomaszewski, A. Gap; Katowice/PL
6. O074 - Differentiation of osteoprogenitor cells is affected by trauma-hemorrhage
C. Neunaber¹, P. Yesilkaya¹, C. Pütz¹, C. Krettek¹, F. Hildebrand²; ¹Hannover/DE, ²Aachen/DE
7. O075 - A Two-Step Approach To Generate Vascular Structures For Tissue Engineering
W. Holthoner, S. Riedl, P. Hofbauer, S. Pfeifer, S. Nuernberger, K. Schneider, P. Aigner, H. Redl; Vienna/AT
8. O076 - Autogenous cultured growth plate chondrocytes transplantation in treatment of physeal injury in rabbits
R. Tomaszewski, A. Gap, B. Ślezak; Katowice/PL
9. O077 - Reconstruction of long bone defects with a periosteal flap and analysis of the induced bone healing in rats
C. Nau¹, D. Henrich², C. Seebach³, J. Barker⁴, J. Frank³, I. Marzi¹; ¹Frankfurt/DE, ²Frankfurt Am Main/DE, ³Frankfurt Main/DE, ⁴Frankfurt/main/DE

10:30 - 12:00**Poster Area – Level C3**

Poster Session

Polytrauma

Chair: H.-J. Oestern, Celle

1. P001 - Retrospective analysis of the efficiency of the indication criteria for treatment of potentially severely injured in a Level-1-Trauma-Center (2 years)
F. Bludau, M. Grimminger, L.J. Lehmann, U. Obertacke; Mannheim/DE
2. P002 - Major thoracoabdominal trauma with bronchial tear: Case report
P.A. Bisagni, A.A. Beneduce, V. Tomajer, E. Ortolano, R. Faccincani, M. Carlucci, P. Zannini; Milano/IT
3. P003 - Definition of Polytrauma: A Contribution to Discussion About Objective Definition Based on Quantitative Estimation of Multiple Injured Patients in Wartime
Z. Lovric, Zagreb/HR
4. P004 - Polytrauma - view from emergency department
D. Märzová, J. März, R. Janda, Z. Kos; Karlovy Vary/CZ

10:30 - 12:00**Poster Area – Level C3**

Poster Session

Orthopedic Reconstruction

Chair: G. Gradl, Rostock

1. P005 - Management of nonunion and gamma nail breakage with intramedullary nailing:case report
E. GKOULIOPOULOU, F. AGATHAGGELIDIS, I. TRIANTAFYLLIDIS, P. PAGKOS, T. NTOVAS; Veria/GR
2. P006 - Clinical outcome after cubital tunnel release
F. SAEDI¹, S. Grant¹, M. Ismail², N. Hyder¹; ¹Crewe/UK, ²Greater Manchester/UK
3. P007 - Results replacement surgery in proximal humerus fractures.
G.A.N.L. Stollenwerck, J.P.A.M. Verbruggen; Maastricht/NL
4. P008 - Patient satisfaction after shoulder arthroscopy in outpatient surgery
J. Böttcher, N. Clerici, S. Castelanelli, C. Candrian; Lugano/CH
5. P009 - Treatment of clavicular shaft non-union with multidirectional anatomical locking plateosteosynthesis
D. Mersch¹, M. Dezulovic¹, M. Münzberg², S. Fischer¹, R. Stangi¹; ¹Schwarzenbruck/DE, ²Ludwigshafen/DE
6. P010 - Rising Popularity of the Reverse Total Shoulder Arthroplasty in the Trauma Setting; A Literature Review.
W. Chaundy, A. Leonard; London/UK
7. P011 - Factors influencing the accuracy of iliosacral screw positioning
M. Pishnamaz, T. Dienstknecht, B. Hoppe, C. Garving, P. Kobbe, H. Pape; Aachen/DE
8. P012 - Combined Pelvic and Acetabular fractures
W. Salloum, R.M. Nademi, H. Wynn Jones, A. Clayson, N. Shah; Wigan/UK
9. P013 - Hemiarthroplasty in displaced intracapsular neck of femur fractures: compliance to the current NICE guidelines
S. Shaunak¹, N. Baraza²; ¹Isleworth/UK, ²Birmingham/UK
10. P014 - Interprosthetic femoral fractures: current treatment and literature review
G. allevi¹, D. vanni¹, A. pantalone¹, C. goretti², A. colella³, B. moretti³, V. salini¹, A. belluati²;

- ¹Chieti/IT, ²Ravenna/IT, ³Bari/IT
11. P014A - Short Term Result of THR - The Comparison Between Anterior MIS Approach and Anterolateral and Posterior Approaches.
M. Was, W. Lachowicz, A. Jover Mendiola; Torrevieja/ES
 12. P015 - Surgical treatment of proximal humeral fractures using PERI-LOC -relation between postoperative alignment and reduction loss-
Y. Kawakami, Okayama/JP
 13. P016 - Comparison of early vs. delayed anterior cruciate ligament reconstruction with hamstring autografts
O. Russu, A. Zazgyva, S. Zuh, I. Gergely, O. Nagy, T. Pop; Tirgu Mures/RO
 14. P017 - Anterior and posterior approaches for the treatment of tibial plateau fractures.
M. Fujita, Toyohashi, Aichi/JP
 15. P018 - Locking plate fixation in open tibial shaft fractures
G. allevi¹, E. lupetti², G. maldini², C. goretti², V. salini¹, A. belluati²; ¹Chieti/IT, ²Ravenna/IT
 16. P019 - Arthroscopic reduction and internal fixation (ARIF) of tibial plateau fractures
G. allevi¹, E. lupetti², A. colombelli², C. goretti², V. salini¹, A. belluati²; ¹Chieti/IT, ²Ravenna/IT
 17. P020 - (Withdrawn)

10:30 - 12:00

Poster Area – Level C3

Poster Session

WHO Global Alliance for Injured

Chair: F Al-Ayoubi, Abu Dabi

1. P021 - Pedestrian Injuries in the United Arab Emirates
A. Hefny¹, H. Eid², F. Abu-Zidan²; ¹Abu Dhabi/AE, ²Alain/AE
2. P022 - Road traffic injury admissions and the austerity measures in a district Greek hospital
J. MASSALIS, E. LAZARIDOU, E. PAPADIMA, E. DELIGEOROGLOU, E. AVRAMOPOULOU, K. KATSAROS, G. EFTHYMIU, P. GKANAS; Nafplion/GR
3. P023 - Polytrauma in train accidents
I. TANASE, B. STOICA, I. NEGOI, S. PAUN, B. Gaspar, C. TURCULET, M. BEURAN; Bucharest/RO
4. P024 - Pediatric Road Traffic Injuries in Qatar: Trends and Statistics from the HMC Trauma Registry [2010-2012]
R. Consunji MD MPH, R. Peralta, A. El-Menyar, H. Al Thani, M.R. Mollazahi, H. Hepp, R. Latifi; Doha/QA
5. P025 - Undertreatment in prehospital care in patients with orthopaedic injuries--case reports
K. Senohradski, A. Lesic, M. Bumbasirevic; Belgrade/RS
6. P026 - ROLE OF CENTRAL MEDICAL REGULATION IN LABOUR
A. Escudeiro, R. Escudeiro, G. Escudeiro; Niteroi/BR
7. P027 - Assessment Of Egyptian Satisfaction With The Recent Developed Emergency Medicine Services
T. Montaser, Cairo/EG

10:30 - 12:00

Poster Area – Level C3

Poster Session

Visceral Trauma I

Chair: F. Turegano, Madrid

1. P028 - Primary repair in colonic lesions due to blunt trauma – is it safe?

- L. Duarte, M. Ferreira, H. Pinho, L. Pinheiro; Viseu/PT
2. P029 - Successful Endovascular Treatment of Traumatic Middle Colic Artery Pseudoaneurysm after Blunt Abdominal Trauma
T.W. Ang, S.F. Lim, X.J. Zheng, C.K. Chong; Singapore/SG
 3. P030 - Gunshot penetrated trauma in the lower anterior abdominal area, treated laparoscopically. Description of a case
N. Zikos¹, C. Stefanou², S. Stefanou², G. Pappas-Gogos², S. Koulas¹; ¹Ioannina/GR, ²Filiates/GR
 4. P031 - The operative management of abdominal stab wound: retrospective survey
W. Ishii, S. Higaki, N. Sato, R. Iiduka, Y. Okada, K. Koike; Kyoto/JP
 5. P032 - Penetrating Injuries In Older Adults: An Urban Trauma Center's Experience
S. Allen¹, D. Scantling², D. Holena², J. Pascual², P. Kim², C. Schwab¹, P. Reilly¹; ¹Philadelphia, PA/US, ²Philadelphia/US
 6. P033 - Delayed Fascial Closure with Intra-Peritoneal Onlay Mesh Implantation and Vacuum-Assisted Wound Closure in Abdominal Trauma Patients
M. Cathomas, B. Schnüriger, D. Candinas, G. Beldi; Bern/CH
 7. P034 - (Withdrawn)
 8. P035 - Appendiceal mucinous neoplasms and pseudomyxoma peritonei: one center experience
G. Rojnoveanu, G. Ghidirim, I. Mishin, E. Gutu, A. Mishina, M. Vozian; Chisinau/MD
 9. P036 - Proposal for preoperative algorithm to decrease the incidence of iatrogenic lesions of the biliary tract
C. Iorga, M. bratucu, F. popa, V. strambu, C. iorga, P. radu; Bucharest/RO
 10. P037 - Traumatic posterolateral Abdominal Wall Hernia containing perforated colon. Intraperitoneal Mesh Repair.
D. Julià Bergkvist, N. Gómez Romeu, M. Pujadas, A. Martín, M. Casellas, F. Olivet, R. Farrés, A. Codina-Cazador; Girona/ES
 11. P038 - Penetrated sigmoid colon by air gun pellet could be life threatening: a case report
A. Krasniqi, A. Hamza, V. Zejnullahu, F. Sada, B. Bicaj; Prishtina/AL
 12. P039 - Diversity of the Definition of Hemodynamic Stability in Trauma Patients: Results of a Nationwide Survey
S. Mun, Y. Yoo; Gwangju/KR

10:30 - 12:00

Poster Area – Level C3

Poster Session

Military and Disaster Surgery

Chair: F. Pons, Paris

1. P040 - A terrible gunshot injury with happy ending
M.T. OZER, D. Dal, H. Sinan, A. Unlu, E. Lapsekili, Ş. Kaymak, O. kozak, Y. peker; Ankara/TR
2. P041 - Surgical treatment of the wounded with trauma and burns in a local armed conflict.
A. Koltovich, V. Dubrov, V. Zubritskiy, I. Paltyshev, D. Ivchenko, A. Kukunchikov, M. Hanin, K. Nikolaev; Moscow/RU
3. P042 - Neighbours in War Surgery: Casualties of the Syrian Civil War Treated in Israel
S. Biswas, S. Baron, J. Wilson, I. Waksman, W. Safadi, A. Hadary; Safed/IL
4. P043 - Trauma team intervention to improve coping among families of victims of terror attacks
D. Alboer, Petch Tikva/IL
5. P044 - Management of mass casualties incident in wartime. How is it performed in French

Forward Surgical Team (NATO role 2)?

E. HORNEZ¹, S. Bonnet¹, G. Boddaert¹, J. Danis¹, P. Ramiara², S. Rigal¹, F. Pons³;
¹Clamart/FR, ²Toulon/FR, ³Paris Cedex/FR

6. P045 - experience of a french military forward surgical team during the malian conflict
R. Bodin¹, J. Jarry¹, N. Bianca¹, S. Ottomani¹, F. Rongieras², T. Peycru¹; ¹Villenave
D'ornon/FR, ²Lyon/FR

12:00 – 12:12

Harmonie

12-to-12 Lecture

The global burden and changing epidemiology

C. Mock, Washington

12:00 – 12:12

Fantasie

12-to-12 Lecture

The Boston Bombing: Surgical Outcomes, Lessons Learned

G. Velmahos, Boston

12:00 – 12:12

Illusion 1 + 2

12-to-12 Lecture

How to bring surgery and research together?

N. Haas, Berlin

12:00 – 12:12

Illusion 3

12-to-12 Lecture

Perspectives of Emergency Surgery

F. Catena, Parma

12:45 – 13:45

Kontakt / Level C1

Emergency Surgery Section Meeting

14:00 - 15:30

Harmonie

Round Table WHO/WCTC - World Trauma Congress, Polytrauma, Neurotrauma

Global Alliance for the Care of the Injured (GACI)

Chairs: R. Coimbra, San Diego; A. Leppäniemi, Helsinki

1. Improving Trauma Care World Wide: Why we need a world coalition?
R. Coimbra, San Diego
2. Trauma Systems Worldwide: Where we are and where do we need to go?
R. Gruen, Melbourne
3. Collaboration in trauma system development: The Indian-Australian Collaborative experience
M. Joshipura, New Delhi
4. What can ESTES contribute to GACI: A web-based trauma registry
S. Ruchholtz, Marburg
5. WHO Global Alliance for the care of the injured – What is supposed to do?
C. Mock, Greenville

14:00 - 15:30**Fantasie**

ILC - Emergency Surgery, Acute Care Surgery, Surgical Intensive Care

Antibiotics in surgery

Chairs: R. Maier, Seattle; P. Giannoudis Leeds

1. Infections after surgery in abroad situations
E. Kollig, Koblenz
2. What is new in antibiotic therapy
K. Zacharowski, Frankfurt
3. Biofilm-penetrating antibiotics
M. Raschke, Münster
4. Coated Implants
G. Schmidmaier, Heidelberg
5. Bone scaffolds with antibiotics
P. Giannoudis, Leeds

14:00 - 15:30**Illusion 1 + 2**

ILC - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Sport traumatology

Chairs: N. Südkamp, Freiburg; E. Varga, Szeged

1. Cycling Accidents: typical patterns
N. Südkamp, Freiburg
2. Sports Injuries of the Hand
S. Flohe, Düsseldorf
3. Sports Injuries of the Elbow
S. Nijs, Leuven
4. Taking Care of a Professional Soccer Team
S. Mattyasovszky, Mainz
5. O078 - Incidence of Recreational Alpine Skiing and Snowboarding Injuries; six years' experience in the largest ski resort in Finland
A. Stenroos, L. Handolin; Hus/helsinki/FI

14:00 - 15:30**Illusion 3**

Keynote Session - Military and Disaster Surgery, Education, Miscellaneous

Injuries during armed conflicts

Chairs: F. Turegano, Madrid; A. Franke, Koblenz

1. **Keynote: Blast lung Injury and it's treatment**
A. Franke, Koblenz
2. O079 - Penetrating Ballistic and Knife Trauma at a UK Major Trauma Centre: Incidence, Recidivism, Outcomes and Creation of a Trauma Map
R. Weatherburn, R. McDonald, J. Malone, J. Smith, S. Lawrence-Owen, R. Ward, N. Misra; Liverpool/UK
3. O080 - Severe bomb balst injury of the lower limb - An interdisciplinary approach is the key factor for succesful salvage of the extremity
H. Polzer, W. Mutschler; Munich/DE
4. O081 - Multiple blast extremity injuries in Afghanistan: definitive management of local casualties in a Combat Support Hospital
F. Vigouroux¹, L. Mathieu¹, F. rongieras¹, A. Bertani¹, P. Balandraud², S. Rigal³; ¹Lyon/FR,

- ²Marseille/FR, ³Clamart/FR
5. O082 - Minimizing Missed War-related Injuries
F. Abu-Zidan, Alain/AE
 6. O083 - Lessons Learned from Dutch Deployed Surgeons and Anesthesiologists to Afghanistan: 2006- 2010
R. Hoencamp¹, F. Idenburg², E. Vermetten³, L. Leenen³, J. Hamming¹; ¹Leiden/NL, ²Den Haag/NL, ³Utrecht/NL
 7. O084 - Landmine Injuries in the Golan Heights
M. Clond¹, S. Biswas², W. Safadi², H. Safadi², A. Hadary², I. Waksman²; ¹Beer Sheva/IL, ²Safed/IL
 8. O085 - Combat Liver Trauma: Outcomes of End to End Care
C. Lamb¹, R. Faulconer², D. Mirza², A. Brooks¹, M. Midwinter²; ¹Nottingham/UK, ²Birmingham/UK
 9. O086 - Pediatric War injuries in a french military combat support hospital in Afghanistan : a review of 81 cases between july 2009 and march 2012
F. Vigouroux¹, A. Bertani¹, L. Mathieu¹, J.L. Daban², F. rongieras¹, F. Pons³; ¹Lyon/FR, ²Clamart/FR, ³Paris Cedex/FR

14:00 - 15:30

Conclusio

Free Paper Session - Military and Disaster Surgery, Education, Miscellaneous

Research in Surgical Education

Chairs: M. Zago, Bergamo; U. Obertacke, Mannheim

1. O087 - Self-efficacy of Surgeons and Anesthesiologist after a Trauma Surgery Course
E. Tan, S. Alken, D. Roelofs, H. van Goor; Nijmegen/NL
2. O088 - Performance improvement program on MRI in spinal trauma
M. Müller¹, M. Kraus², F. Gebhard¹, B. Schmitz¹, M. Cunningham³; ¹Ulm/DE, ²Augsburg/DE, ³Zurich/CH
3. O089 - Awareness of compartment syndrome among ward and junior medical staff
S. Chambers, R. Morrell, D. Downen, D. Inman; North Shields/UK
4. O090 - Achieving a Better Trauma Care: Implementation of Video Feedback on Initial Trauma Management
H. Uchino, A. Kuriyama, H. Okamoto, N. Tamura, R. Echigoya, T. Ikegami, T. Fukuoka; Kurashiki/JP
5. O091 - Evaluating the educational effect of a series of live pediatric trauma webinars
J. Thorley Wiedler¹, T. Slongo², R. Elmer¹; ¹Dübendorf/CH, ²Bern/CH
6. O092 - Checklist: using a model of formative and summative assessment in Laboratory of Skills and Simulation
R. Escudeiro¹, A. Escudeiro¹, G. Escudeiro¹, E. Escudeiro¹, E. Escudeiro¹, R. SOUZA², C. Bento¹, J. Santos¹; ¹Niteroi/BR, ²Niterói/BR
7. O093 - The Trauma Surgery Education and Quality Patient Safety Programs. Joint efforts achieve sustained improvement in clinical outcomes for the injured patients in Qatar.
R. Peralta, R. Consunji, A. Parchani, A. El-Menyar, H. Abdulrahman, H. Hepp, M. Mollazehi, A. Zarour, H. Al-Thani, R. Latifi; Doha/QA
8. O094 - Multidimensional approach to teaching anatomy – do gender and learning style matter?
G. Gradl¹, J. Carow¹, R. Müller-Rath², H. Pape¹, M. Knobe¹; ¹Aachen/DE, ²Neuss/DE

14:00 - 15:30

Spektrum 1

Free Paper Session - World Trauma Congress, Polytrauma, Neurotrauma

Bleeding and Intervental Strategies

Chairs: A. Peitzman, Pittsburgh; A. Seekamp, Kiel

1. O095 - Preperitoneal Pelvic Packing for treatment of severe pelvic trauma: initial experience.
S. Magnone, R. Manfredi, D. Piazzalunga, F. Coccolini, N. Colaianni, E. Poletti, L. Campanati, E. Poiasina, M. Pisano, M. Lotti, M. Giulii Capponi, G. Nita, L. Ansaloni; Bergamo/IT
2. O096 - Combination of Transcatheter Angiographic Embolization and Surgery for Patients with Multiple Severe Trauma
M. Ueno, H. Honma, J. Oda, K. Nagata, J. Tsurukiri, S. Mishima, T. Yukioka; Tokyo/JJ
3. O097 - Successful bleeding control through transarterial embolization in polytrauma-patients with pelvic ring fracture
T. Weber, J. Fakler, M. Moche, J. Boehme, C. Josten; Leipzig/DE
4. O098 - Post-embolization Computed Tomographic Scans Provide Benefits in the Management of Hemodynamically Unstable Patients with Concomitant Pelvic Fractures
S.J. Yang, C.Y. Fu; Taoyuan/TW
5. O099 - A more intensive physiotherapy program improves physical function for trauma patients
S. Calthorpe, E. Barber, A. Holland, L. Kimmel, M. Webb, C. Hodgson, R. Gruen; Melbourne/AU
6. O100 - Transarterial embolization may be an alternative to open surgery in low severity abdominal trauma cases: A report from Japan Trauma Data Bank
T. Ichinose¹, A. Shiraishi², A. Yoshiyuki², Y. Otomo²; ¹Bunkyo-Ku, Tokyo/JJ, ²Tokyo/JJ
7. O101 - Hemodynamically unstable pelvic trauma in multi-trauma patients. Five years experience.
S. Magnone, R. Manfredi, F. Coccolini, D. Piazzalunga, M. Pisano, E. Poletti, N. Colaianni, E. Poiasina, M. Lotti, L. Campanati, M. Giulii Capponi, G. Nita, L. Rizzi, C. Castelli, L. Ansaloni; Bergamo/IT

14:00 - 15:30

Spektrum 2

Keynote Session - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Injuries to the lower leg

Chairs: J. Rueger, Hamburg; P. Simko, Bratislava

1. **Keynote: Intelligent nailing of large bones**
R. Mosheiff, Tel Aviv
2. O102 - The Retrograde Tibial Nail
S. Kuhn, P. Appelman, P. Pairon, D. Mehler, P. Rommens; Mainz/DE
3. O103 - Results of the sequential treatment with external fixation and intramedullary nailing without free interval of severe open fractures of the lower limbs.
I. Auñon-Martín, A. Toro-Ibarguen, A. Prada-Cañizares, V. Jimenez-Diaz, P. Caba-Doussoux; Madrid/ES
4. O104 - Inhaled and oral corticosteroids in chronic lung disease patients with ankle fractures: effect on fracture and wound healing
W. Jerjes, J. Callear, P. Giannoudis; Leeds, West Yorkshire/UK
5. O105 - Temporary arthrodesis for isolated ligamentous Lisfranc injuries - A retrospective analysis of 46 patients
F. Krause¹, M. Abassian¹, M. Weber²; ¹Bern/CH, ²Berne/CH

6. O106 - Functional outcome in patients with a wound infection following calcaneal fracture surgery
M. Backes, N. Schep, J. Luitse, J.C. Goslings, T. Schepers; Amsterdam/NL
7. O107 - Health related quality of life in trauma patients who sustained a calcaneal fracture: a retrospective cohort study.
G. Alexandridis¹, L. Leenen²; ¹Tilburg/NL, ²Utrecht/NL
8. O108 - Ankle fracture surgery ; a time for change
M. Ashraf, M.O. Karim, W. Syed, F.,. Elgizawy, M.E. Ashraf Mallhi; Birmingham/UK
9. O109 - Evaluating the functional outcome of ankle fractures using gait analysis
M. NAGEA¹, O. LUPESCU¹, C. PATRU¹, T. AVRAMESCU², N. CIUREA¹, C. DEACONESCU¹; ¹Bucharest/RO, ²Craiova/RO

14:00 – 15:30**Poster Area – Level C3**

Poster Session

Surgical Critical Care I

Chair: M. Keel, Berne

1. P046 - 48 hours without ventilation on veno-venous extracorporeal membrane oxygenation in severe trauma: a case report.
Y. Fülling, U. Hamsen, D. Buchwald, M. Bechtel, T. Schildhauer, J. Swol; Bochum/DE
2. P047 - Lower limb's prophylactic fasciotomy: a clinical case
M. Martins¹, C. Arantes¹, J. Alves¹, B. Pereira¹, J. Carvalho¹, J. Monteiro², L. Lencastre¹, M. Gomes²; ¹Braga/PT, ²Guimarães/PT
3. P048 - Amputation of arms and legs caused by septic shock with disseminated intravascular coagulation (DIC) in a patient with neutropenia as secondary effect of overdosage of metamizole.
M. Zambrano Olivo¹, A. González García¹, C. León Moya¹, M.A. Martínez Jiménez², C. López Martín¹, C. Mauricio Alvarado¹, T. Guzmán Valencia¹; ¹Seville/ES, ²San Luis Potosí/MX
4. P049 - Initial and definitive management of the manifestation of a lower rectal cancer as Fournier's gangrene
A. LANDALUCE OLAVARRIA, S. UGARTE SIERRA, S. MATEO SAINZ, J.M. ESQUISABEL MARTÍNEZ, F.J. IBAÑEZ AGUIRRE; Galdakao/ES
5. P050 - Blockage of the mitral heart valve cause of a Giant Left Atrial Myxoma
M. Zambrano Olivo, C. Castro Medina, C. Mauricio Alvarado, C. Velázquez Velázquez, T. Guzmán Valencia; Seville/ES
6. P051 - Iatrogenic bronchial puncture: rare complication of tube thoracostomy with small bore catheter.
S.W. Chang, S. Han, P.W. Seo, K.M. Ryu, J. Ryu; Cheonan/KR
7. P052 - Cardiac arrest in a 13-year-old boy due to electrical injury. Successful resuscitation and post-resuscitation care with mild hypothermia.
F. GEORGIU¹, C. TIMILIOTOU¹, A. LOIZOU¹, L. PALAZIS¹, C. GEORGI¹, A. PAPASTYLIANOU¹, G. GEORGIU²; ¹Limassol/CY, ²Xanthi/GR

14:00 – 15:30**Poster Area – Level C3**

Poster Session

Skeletal Trauma Femur

Chair: M. Beuran, Bucharest

1. P053 - Combined minimally invasive and open approach for intraarticular distal femoral

- fracture
A. Sumanovac, S. Simon, V. Culjak; Vinkovci/HR
2. P054 - IM Nailing in Femur Supracondylar Fractures Treatment
A. Kalashnikov¹, G. Gayko¹, I. Lazarenko²; ¹Kyiv/UA, ²Kirovograd/UA
 3. P055 - Comparison of Dynamic Hip Screw, Gamma Nail and hemiarthroplasty in the treatment of intertrochanteric fractures of the femur
T. Pop, A. Zazgyva, I. Gergely, O. Russu, S. Zuh, O. Nagy; Tirgu Mures/RO
 4. P056 - Surgical management of supracondylar femoral fracture above total knee arthroplasty using locked plates combined with MIPO technique
G. Frankić, A. Bandalović, Z. Parać, M. Frankić; Split/HR
 5. P057 - Treatment of The Distal Femoral Type 2 Physeal fractures with Kirschner Wire and Cast Plaster in Children
T. Kurtulmus, N. Saglam, G. Saka, C. Avci, U. Ozturk, H. Koca; Istanbul/TR
 6. P058 - Long-term results of the proximal femoral fractures in elderly
J. März, L. Uhrin; Karlovy Vary/CZ
 7. P059 - Results of the application of a new method of internal fixation of femoral neck fractures – self-tapping antirotation cannulated screws (SAF)
I. Kostic, M. Mitkovic, M. Mitkovic; Nis/RS
 8. P060 - Minimally invasive approach - calcaneal fractures
J. März, P. Tóth; Karlovy Vary/CZ
 9. P061 - Changes in Ankle at Natural Modeling of Fibula Bone Injuries
G. Gayko, A. Kalashnikov, Y. Litun, N. Shydlovskyi; Kyiv/UA
 10. P062 - Arthroscopic assisted fixation of intraarticular medial femoral condyle fracture of the knee
N. Kuyubaşı, F. Say; Samsun/TR
 11. P063 - Hoffa fracture - minimally invasive treatment
S. Simon, A. Sumanovac, V. Culjak; Vinkovci/HR
 12. P064 - Percutaneous Treatment of Acetabular Fractures
L. Robinson, D. Seligson, C. Henzman; Louisville, KY/US

14:00 – 15:30

Poster Area – Level C3

Poster Session

Abdominal Emergencies I

Chair: S. Stergiopoulos, Chaidari

1. P065 - Laparoscopic appendectomy from a single surgeon's perspective: an enhanced study (analysis) of 75 cases
G.O. KUCUK, Samsun/TR
2. P066 - Is Single Administration of Preoperative Antibiotics Enough after Simple Laparoscopic appendectomy?
S.M. Choi, J.Y. Jang, S.H. Lee, H.W. Kim, J.G. Lee; Seoul/KR
3. P067 - Appendical Mass: Is Interval Appendectomy Necessary?
M. İlhan, A.F.K. Gök, M. Üçüncü, H. Yanar, K. Günay, C. Ertekin; İstanbul/TR
4. P068 - The use of ultrasound in suspected acute appendicitis; To request or to not request.
D. Luke, S. Zaman, L. Navaratne, D. Bowley; Birmingham/UK
5. P069 - Second-look laparoscopy is an alternative to conversion to open operation in the difficult laparoscopic cholecystectomy
G. Bass, A. Salih, M. Arumugasamy, T. Walsh; Dublin/IE
6. P070 - Robotic right colectomy for haemorrhagic right colon cancer

7. E. FELLI, N. de'Angelis, M. nencioni, M. di sabato, D. Azoulay, F. Brunetti; Creteil/FR
P071 - Retrospective Study for Strategy of Large Bowel Obstruction by Colon Cancer ~ Is preoperative decompression necessary?~
N. Hiroe, S. Matsumoto, M. Kitano, M. Shimizu, M. Yamazaki; Yokohama/JP
8. P072 - Emergency abdominal surgery in patients over age 80 : study of mortality predicting factors.
A. EZANNO¹, M. Tregarot¹, L. Bresler², G. Grosdidier³, M. Perez³; ¹Metz Cedex/FR, ²Vandoeuvre Les Nancy/FR, ³Nancy/FR
9. P073 - Acute mesenteric ischemia: operative and long-term results in a community hospital
I. TRIANTAFYLLIDIS, A. Bratko, V. Papadopoulos, E. GKOULIOPOULOU, C. Demertzidis; Veria/GR
10. P074 - Gastrostomy tube dislodgment acute pancreatitis
E. Brauner, Y. Kluger; Haifa/IL
11. P075 - Comparative analysis of outcomes in patients with pancreatitis due to alcohol and gall bladder stones-A review of a small series from S.India
K. Balaram, A. Rekha; Chennai/IN
12. P076 - Laparoscopic versus open repair of perforated peptic ulcer
M. Shimizu, N. Hiroe, S. Matsumoto, M. Yamazaki, M. Kitano; Yokohama/JP
13. P077 - Risk factors associated with increased mortality in patients with perforated gastroduodenal ulcer, 3-year experience in a university hospital.
S. Stabina, M. Mukans, G. Pupelis, A. Kaminskis; Riga/LV
14. P078 - Decrease at peptic Ulcer perforation prevalence
O. Engin, E. Unluturk, D. Musaoglu, E. Akincilar, O. Birgi; Izmir/TR

14:00 – 15:30

Poster Area – Level C3

Poster Session

Quality in Trauma Care I

Chair: J. Peltzer, Delémont

1. P079 - Damage control surgery as initial approach to severe abdominal sepsis
S. UGARTE SIERRA, A. LANDALUCE OLAVARRIA, S. MATEO SAINZ, J.M. ESQUISABEL MARTÍNEZ, F.J. IBAÑEZ AGUIRRE; Galdakao/ES
2. P080 - Candida infection and distribution of candida species among surgical critically ill patients.
I. Lintzeris¹, X. Agrogianni¹, A. Lintzeri², I. Alexiou¹, I. Spiliotis¹, I. Nomikos¹, V. Papaemmanouel¹; ¹Peiraias/GR, ²Athens/GR
3. P081 - Factors associated with colonization of bronchial secretions by multidrug resistant bacteria in ICU trauma patients
E. PAPPA, H. PAPANDREOU, M. STAVROPOULOU, E. LAMPRIANIDOU, K. KAFANTOGIA, H. PAVLOY, M. EFORAKOPOULOU; Athens/GR
4. P082 - Lung abscess complicating pneumonia caused by multidrug resistant gram-bacteria in patients with severe thoracic trauma
V. KALDIS, H. PAPANDREOU, E. PAPPA, P. SARAFIDOU, E. KATSIOLA, M. SKOPELITIS, H. PAVLOY, M. EFORAKOPOULOU; Athens/GR
5. P083 - Necrotizing soft tissue infections (NSTI) in general and bone surgeon practice
S. Mihaljevic, R. Komadina, D. Cetina, D. Brilej; Celje/SI
6. P084 - From Emergency Room to venovenous extracorporeal membrane oxygenation – a case report about ECMO therapy as primary care
M. Stoll, F. Rademacher, K. Klak, J. Strauch, T. Schildhauer, J. Swol; Bochum/DE
7. P085 - EVALUATING TRAUMA CARE: Incidence and Risk Factors on Major Trauma Patients

- of a Surgical Multidisciplinary ICU in Tertiary Trauma Center Hospital of Athens Greece
V. KALDIS, E. PAPANDEOU, M. SKOPELITIS, N. KOYZANIDIS, G. SARRIS, M. EFORAKOPOULOU, P. BOTSIS, I. PAVLOY; Kifissia Athens/GR
8. P086 - Alpine skiing injuries in Finland – A Two-year retrospective study based on questionnaire among ski racers
A. Stenroos, L. Handolin; Hus/helsinki/FI
9. P087 - Is trauma in Switzerland any different? – The first 5 year report from a Swiss Trauma center
C. Heim, A. Roth, F. Bosisio, J. Wasserfallen; Lausanne/CH
10. P088 - Emergency Units and Informed Consent
H. TOSUN, D. ŞELİMEN; Istanbul/TR

14:00 – 15:30

Poster Area – Level C3

Poster Session

Education

Chair: W. Schwab, Philadelphia

1. P089 - Clinical Research in Emergency and Critical care unit: Why, How and When?
A. El-Menyar, Doha/QA
2. P090 - Importance of “Núcleo de Ensino e Pesquisa em Urgências” - NEPUr-UFF in the educational role in Urgency and Emergency
R. Escudeiro¹, B.I. O'Hara Pimenta¹, I. Butter Amim¹, A. Escudeiro¹, R. SOUZA², E. Escudeiro¹, S. Alves¹, A. Cortes¹, L.F. Magalhães¹; ¹Niteroi/BR, ²Niterói/BR
3. P091 - Implementation of free Laboratories of Urgencies by Brazilian Federal Universities
E. Escudeiro¹, A. Escudeiro¹, R. Escudeiro¹, D. Quintanilha¹, M. FERREIRA¹, A. Cortes¹, R. SOUZA², S. Alves¹, I. Saffier¹, V. Gomes¹; ¹Niteroi/BR, ²Niterói/BR
4. P092 - The role of the University in the preparation of society to disaster situations.
R. Escudeiro¹, A. Escudeiro¹, E. Escudeiro¹, E. Escudeiro¹, G. Escudeiro¹, L.F. Magalhães¹, B.I. O'Hara Pimenta¹, I. Butter Amim¹, R. SOUZA²; ¹Niteroi/BR, ²Niterói/BR
5. P093 - Advanced Disaster Medical Response course (ADMR) - an effective method for learning about medical disaster management
B. Pereira¹, M. Desiderá¹, G. Fraga¹, A. Onimaru¹, T. Calderan¹, M. Matos¹, M. Mantovani¹, R. Cardoso¹, A. Trajano¹, S. Briggs²; ¹Campinas/BR, ²Boston/US
6. P094 - Role of the Center for Teaching and Research in Emergencies (NEPUr-UFF) in education in prehospital care education of Brazilian Army.
A. Escudeiro¹, R. Escudeiro¹, G. Escudeiro¹, E. Escudeiro¹, E. Escudeiro¹, R. SOUZA², A. Hummel¹; ¹Niteroi/BR, ²Niterói/BR
7. P095 - Importance of education and traffic accidents
O. Engin, D. Musaoglu, O. Birgi, E. Unluturk, E. Akincilar; Izmir/TR

16:00 – 17:30

Fantasie

ILC - Emergency Surgery, Acute Care Surgery, Surgical Intensive Care

Management of Abdominal Complications

Chairs: E. Voiglio, Lyon; M. Büchler, Heidelberg

1. Postoperative hemorrhage: a management strategy
E. Voiglio, Lyon
2. Anastomotic breakdown: therapeutic options
S. Uranues, Graz

3. Dealing with complications of biliary surgery
A. Fingerhut, Paris
4. Abdominal collections: how to approach them
M. Zago, Bergamo
5. Pseudomembranous colitis: when medical management fails
H. Kurihara, Milan
6. Management of Surgical Complications
M. Büchler, Heidelberg

16:00 – 17:30

Illusion 1 + 2

ILC Gerhard Küntscher Society - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Nailing of metaphyseal fractures- What have we learned?

Chairs: J. Verbruggen, Maastricht; P. Giannoudis, Leeds

1. Proximal Femur
G. Gradl, Rostock
2. Distal Femur
D. Seligson, Louisville
3. Proximal Tibia
P. Giannoudis, Leeds
4. Distal Tibia
M. Goldzak, Saint Jean
5. Reconstruction of the lower extremity by means of an intramedullary device
P. Reynders, Leuven

16:00 – 17:30

Illusion 3

ILC - World Trauma Congress, Polytrauma, Neurotrauma

Modern Aspects of Surgical Intensive Care

Chairs: G. Velmahos, Boston; E. Faist, Munich

1. Preventive rotational/proning bed therapy after multiple trauma
S. Wutzler, Frankfurt
2. Fast track extubation of the polytrauma patient
K. Zacharowski, Frankfurt
3. Nutrition of the surgical ICU patient: how to do it?
V. Bansal, San Diego
4. Antibiotic prophylaxis in the surgical ICU: when, how, what and why?
E. Faist, Munich
5. Use of modern technology for physiologic monitoring: what works?
R. Maier, Seattle

16:00 – 17:30

Conclusio

Free Paper Session - Visceral Trauma, Abdominal Trauma, Thoracic Trauma, Vascular Trauma

Blunt Abdominal Trauma - Spleen and Laparoscopy

Chairs: Z. Balogh, Newcastle; T. Gaarder, Oslo

1. O110 - Predictive factors of NOM failure in Blunt splenic trauma
N. amharar, Bordeaux/FR
2. O111 - Traumatic perforation of hollow viscus in patients with blunt hepatic and splenic injuries: an analysis of a National Trauma Registry database
F. Swaid¹, B. Kessel², K. Peleg³, I. MATTER¹, O. OLSHA², R. Alfici², ¹Haifa/IL, ²Hadera/IL,

- ³Ramat Gan/IL
3. O112 - Nonoperative management of splenic trauma. Improvement after Emergency Department creation. Ten-year experience of a single center
A. Mingoli, G. Mariotta, A. Saracino, B. Binda, E. Papale, C. Modini; Rome/IT
 4. O113 - Management of splenic blunt trauma according to facility level: a State-wide study from Quebec trauma registry
T. Bège¹, J. Paquet², G. Bourgeois³, R. Denis³; ¹Marseille/FR, ²Montréal, QC/CA, ³Montréal/CA
 5. O114 - Volumetric grading of splenic injury-comparison with anatomic injury scaling of AAST
G. Tomasch, J. Elstner, H. Schoellnast, S. Uranues; Graz/AT
 6. O115 - Observation versus embolization in patients with blunt splenic injury after trauma: a propensity score analysis
D. Olthof¹, P. Joosse², P. Bossuyt¹, P. de Rooij³, L. Leenen⁴, K. Wendt⁵, F. Bloemers¹, J.C. Goslings¹; ¹Amsterdam/NL, ²Alkmaar/NL, ³Rotterdam/NL, ⁴Utrecht/NL, ⁵Groningen/NL
 7. O116 - Selective nonoperative management for blunt splenic injury in polytrauma patients
M. Teuben, T.J. Blokhuis, L. Leenen; Utrecht/NL
 8. O117 - Impact of low- molecular- heparin on the outcome of non-operative management in splenic injury
G. Tomasch, P. Kornprat, S. Uranues; Graz/AT
 9. O118 - Blunt Abdominal Trauma and their management, two years experience.
A. Dogjani¹, B. Hasanaj¹, L. Shosha¹, R. Latifi²; ¹Tirana/AL, ²Tucson Az, AL/US
 10. O119 - Is Laparoscopy Still Recommended in Abdominal Trauma?
A. NICOLAU, M. CRACIUN, R. ZOTA, R. CARNU, A. KITKANI; Bucharest/RO
 11. O120 - The use of laparoscopy in Japanese trauma patients with abdominal injury
M. Kojima, A. Shiraishi, Y. Otomo; Tokyo/JP
 12. O121 - Laparoscopy Decreases the Laparotomy Rate for Patients with Blunt Hollow Viscus Perforation and Mesenteric Injuries
H.F. Lin¹, Y. Chen², K. Lin²; ¹Banqiao District, New Taipei/TW, ²New Taipei/TW
 13. O122 - Incidence and mortality of acute care surgery: a French nationwide study
T. Bège, V. Pauly, V. Orléans, S. Berdah, C. Brunet; Marseille/FR
 14. O123 - The management of trauma patients in the Emergency Department of a University Hospital in Greece. Is there any room for improvement?
I. Gerogiannis, P. Kamaroudi, D. Karamitrou, A. Kamaroudis, A. Toubelidis, C. Spyridis; Thessaloniki/GR

16:00 – 18:00

Spektrum 1

Resident Session – Military and Disaster Surgery, Education, Miscellaneous

Trauma care 2025 – do we need new perspectives in education and science?

Chairs: Willem-Jan Metsemakers, Leuven; Gerhard Achatz, Ulm; M. Münzberg, Ludwigshafen

1. The intrascaphoid stability offered by headless compression screws: an in vitro study;
D. Gruszka, Mainz
2. Staphylococcal infections of orthopedic implants – a correlation between the clinical outcome and the bacterial pheno- and genotype
M. Morgenstern, Davos
3. Arthroplasty for femoral neck fractures in the elder
P. Burgers, Rotterdam
4. Participation in the AO Trauma Bone Infection Registry and establishment of a registry on Staphylococcus epidermidis related Implant Infections
C. Erichsen, Davos
5. Internal fixation of femoral neck fractures: treatment and effects;

- S. Zielinski, Rotterdam
6. Trauma Surgery in the Netherlands; a future with or without Orthopedics?
C. Lameijer, Groningen
 7. Trauma Surgery in Belgium: does it still exist?
W.-J. Metsemakers, Leuven
 8. Everything better in the north? Education for Trauma Care in Sweden
L. Strömmer, Stockholm
 9. Trauma Care – can we learn something from the military side?
G. Achatz, Ulm
 10. A plea for a comprehensive education in Trauma Surgery
M. Oberst, Aalen

16:00 – 18:00

Spektrum 2

Free Paper Session - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Systemic and local inflammatory mechanisms after trauma

Chairs: H. Redl, Vienna, R. Mackersie, San Francisco

1. O124 - Dose dependent effects of PPAR beta/delta agonists on systemic inflammation after hemorrhagic shock
R. Pfeifer, D. Busch, H. Andruszkow, F. Hildebrand, H. Pape; Aachen/DE
2. O125 - Immediate suppression of TNF- α release capacity after hemorrhage and resuscitation
A. Bahrami, M. Jafarmadar, H. Redl, S. Bahrami; Vienna/AT
3. O126 - Porcine trauma model of chest, abdominal and extremity trauma with hemorrhagic shock – trauma severity as the major criterion
K. Horst¹, M. Sassen², R. Pfeifer¹, F. Debus², F. Hildebrand¹, H. Pape¹, S. Ruchholtz², D. Eschbach²; ¹Aachen/DE, ²Marburg/DE
4. O127 - First long time porcine polytrauma investigation combining lung, liver and lower limb traumatization with severe hemorrhage
D. Eschbach¹, M. Sassen¹, J. Mohr¹, T. Steinfeldt¹, A. Gockel¹, F. Hildebrand², H. Pape², S. Ruchholtz¹, K. Horst²; ¹Marburg/DE, ²Aachen/DE
5. O128 - The modulation of the immune response by therapeutic hypothermia in a porcine multiple trauma model
A. Haug¹, C. Seeliger¹, S. Kelch¹, K. Karpinski¹, D. Eschbach², J. Mohr², M. Fröhlich³, M. Weuster⁴, S. Ruchholtz², M. van Griensven¹; ¹Munich/DE, ²Marburg/DE, ³Cologne/DE, ⁴Kiel/DE
6. O129 - Molecular mechanisms underlying intrinsic apoptosis resistance in neutrophils (PMN) from polytraumatized patients
T. Hornstein, A. Paunel-Görgülü, S. Flohe, T. Lögters, J. Windolf; Düsseldorf/DE
7. O130 - Leukocyte kinetics after major trauma
M. Heeres, L. Koenderman, L. Leenen; Utrecht/NL
8. O131 - Homology in systemic neutrophil response induced by a polytraumamodel in pigs and by human trauma
M. Teuben¹, T.J. Blokhuis¹, E. Tan², L. Koenderman¹, L. Leenen¹; ¹Utrecht/NL, ²Nijmegen/NL
9. O132 - Microparticles are drivers of the host response in severely injured trauma patients
K. Balvers, D. Kleinveld, R. Nieuwland, A. Boing, J.C. Goslings, N. Juffermans; Amsterdam/NL
10. O133 - Attenuated bacterial killing by a subpopulation of neutrophils as a possible cause of post-traumatic sepsis.
P. Leliefeld, M. Heeres, S. Rooijackers, L. Koenderman, L. Leenen; Utrecht/NL

11. O134 - The Effects of Hypoxia on Systemic Markers of Inflammation in Normal Healthy Volunteers
C. Lamb¹, M. Foster¹, M. Howley¹, A. Mellor¹, D. Woods¹, J. O'Hara², M. Midwinter¹;
¹Birmingham/UK, ²Leeds/UK
12. O135 - Model of post-traumatic lung injury in mice
R. Pfeifer, H. Andruszkow, P. Kobbe, M. Knobe, K. Horst, F. Hildebrand, H. Pape;
Aachen/DE

Monday, May 26, 2014

08:00 - 10:00

Harmonie

Guest Symposia AOTrauma - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Improving the care of patients with fragility fractures

Chairs: C. Kammerlander, Innsbruck; M. Cimerman, Ljubljana

1. Opening words to introduce the topic: the state of fragility fracture care in Europe: newest developments
C. Kammerlander, Innsbruck
2. The team approach: interdisciplinary collaboration at the heart of the matter;
E. Mayr, Augsburg
3. Improving the medical quality of care of patients with fragility fractures
M. Gosch, Hochzirl
4. Improving the operative quality of care of patients with periprosthetic fractures;
St. Velkes, New York
5. New classification of fragility pelvic ring fractures and its impact on treatment;
P. Rommens, Mainz
6. Implant augmentation as a treatment option
M. Raschke, Münster

08:00 - 10:00

Fantasie

Round Table - World Trauma Congress, Polytrauma, Neurotrauma

Further development of Trauma Scores – New perspectives

Chairs: R. Lefering, Cologne; H. Champion, Annapolis

1. Development of Trauma Scoring Systems – the history
H. Champion, Annapolis
2. ISS, NISS, or what?
Z. Balogh, Newcastle
3. Development of new trauma scoring systems
R. Lefering, Cologne
4. Choosing the right "fit": How to decide which scoring system to apply to your analyses.
A. Haider, Baltimore
5. Trauma Scoring Systems – What for?
L. Handolin, Stockholm
6. A new definition of polytrauma – results from a population based data set
H.C. Pape, Aachen

08:00 - 10:00

Illusion 1 + 2

Keynote Session - Emergency Surgery, Acute Care Surgery, Surgical Intensive Care

Abdominal Emergencies

Chairs: R. Ivatury, Richmond; K. Taviloglu, Istanbul

1. **Keynote: Limitations of endoscopic bowel surgery**
K. Taviloglu, Istanbul
2. O136 - Laparoscopic surgical treatment of emerging diseases of the colon
B. benini, C. Benucci, E.A. adami, P. marini; Rome/IT
3. O137 - Theoretical Operative Strategies for Boerhaave syndrome
T. TSUNOYAMA, T. FUJITA, M. KITAMURA, K. NAKAZAWA, Y. UCHIDA, H. ISHIKAWA, T. Sakamoto; Tokyo/JP

4. O138 - The role of serial serum lactacidosis measurements in acute mesenteric ischemia to predict the extent of ischemic bowel and outcome of patients
P. Studer, A. Vaucher, D. Candinas, B. Schnüriger; Bern/CH
5. O139 - Laparoscopic Lesser Omentum Patch; A Novel Emergency Surgery Technique Managing Perforated Peptic Ulcers
M. Nasr, Manama/BH
6. O140 - Can We Use Contrast Enhanced CT Instead of Diffusion Weighted MR in Patients with Acute Bilier Pancreatitis?
M. Üçüncü, M. İlhan, A.F.K. Gök, H. Yanar, R. Güloğlu, K. Günay, C. Ertekin; İstanbul/TR
7. O140A - Emergency stoma : experience of a district hospital
I. Caldas, A. Trovão, L. Costa, M. Nora; Santa Maria Da Feira/PT
8. O141 - Risk prediction of mortality in perforated peptic ulcer
K. Thorsen, J.A. Søreide, K. Søreide; Stavanger/NO
9. O142 - The Treatment of Acute Calculous Colecystis: the analysis of preliminary results of a shared model of treatment and the need to construct an Institutional evidence based pathway.
M. Pisano, M. Ceresoli, F. Coccolini, E. Poiasina, D. Piazzalunga, F. Ghezza, M. Giulii Capponi, M. Lotti, L. Campanati, N. Colaianni, E. Poletti, C. Merli, C. Arici, S. Greco, P. Ravelli, L. Ansaloni; Bergamo/IT
10. O143 - Emergency Cholecystectomy; An Economic Evaluation of Practice at an Emergency General Surgery Unit
N. Misra¹, N. Grimes¹, E. McChesney¹, D. Dunne², G. Poston², S. Fenwick², H. Malik²; ¹Liverpool/UK, ²AI/UK
11. O144 - Early cholecystectomy for acute cholecystitis: breaking down the barrier of the golden 72-hours limit.
L. Degrate, A.L. Ciravegna, M. Luperto, L. Gianotti, P. Padalino, F. Romano; Monza/IT
12. O145 - Clip and Drop - Clear Cut Control in Non-Trauma Surgery
J. Correia, F. Ferreira, E. Barbosa, E. Guerreiro, C. Santos, A. Taveira Gomes; Matosinhos/PT

08:00 - 10:00

Illusion 3

Keynote Session - World Trauma Congress, Polytrauma, Neurotrauma

WHO The Care of the Injured - The Problems

Chairs: G. Fraga, Campinas, R. Latifi, Tucson

1. **Keynote: Rural Systems of trauma care**
D. Clarke, Dorpspruit,
2. O146 - Characteristics and survival time of polytrauma fatalities in road traffic accidents: an autopsy study
C. Holzmann¹, S. Schick², W. Hell², H. Pape¹, M. Graw², R. Pfeifer¹; ¹Aachen/DE, ²Munich/DE
3. O147 - Pattern of mortality in severely injured patients: an autopsy study
R. Pfeifer¹, S. Schick², C. Holzmann², M. Graw², W. Hell², F. Hildebrand¹, H. Pape¹; ¹Aachen/DE, ²München/DE
4. O148 - Fatal combinations of injury in polytrauma patients after road traffic accidents
S. Schick¹, C. Holzmann², D. Niehsen¹, W. Hell¹, M. Graw¹, H. Pape², R. Pfeifer²; ¹Munich/DE, ²Aachen/DE
5. O149 - Rollover Car Crashes With Ejection - A Deadly Combination: A report from Qatar
R. Latifi, A. El-Menyar, H. Al Thani; Doha/QA
6. O150 - Alcohol Screening of Trauma Patients in Qatar
R. Consunji MD MPH, R. Peralta, H. Al-Thani, M.R. Mollazahi, H. Abdulrahman, A. Parchani, A. El-Menyar, A. Zarour, R. Latifi; Doha/QA
7. O151 - Child Occupants in Motor Vehicle Crashes in Qatar: Predictors of Survival
R. Consunji MD MPH, R. Peralta, A. El-Menyar, H. Al-Thani, H. Hepp, M. mollazahi, R. Latifi; Doha/QA
8. O152 - Bicycle accidents in big cities, an increasing danger?
O. Özkurtul, J. Fakler, T. Weber, S. Seinen, C. Josten; Leipzig/DE
9. O153 - How much is it to ride on 2 wheels? The financial burden of motorcycle accidents in

- hospital expenses – data from a Level 1 Trauma center in South Brazil.
P. Abreu-Reis, A. Nasr, I. Collaco, F. Tomasich, W. Cecilio, F. Castro, R. Toledo Filho, F. Marcolini; Curitiba/BR
10. O154 - Trauma deaths in southern Thailand
O. Akaraborworn, K. Thongkhao, K. Kaewsangrueang, P. Chiniramol, B. Sangthong; Hatyai Songkhla/TH
11. O155 - Trauma System Evaluation in Albania Using American College of Surgeons Basic Criteria
R. Latifi, Tucson, AZ/US
12. O156 - Introduction of a tailored trauma check-list in a rural African hospital: implementation process and preliminary results
M. Zago¹, A. Boukari Kadiri², C. Ahnonga², E. Guaitoli³, R. Caronna³, P. Chirletti³, S. Adeniran², G. Priuli²; ¹Psp Bergamo/IT, ²Tanguieta/BJ, ³Rome/IT
13. O157 - Children Safety Devices in Brazil – Why Do People Don't Use Them After Sanction Of The Law?
M.V. Cezillo¹, S. Abib¹, C.A. Menegozzo¹, B. Müller², A. França², F. Ricci²; ¹Sao Paulo/BR, ²São Paulo/BR

08:00 - 10:00

Conclusio

Keynote Session - Military and Disaster Surgery, Education, Miscellaneous

New Aspects in Educational Research

Chairs: M. Bowyer, Washington; M. Cunningham, Zurich

1. **Keynote: Resarch in Education related to trauma care**
M. Ruessler, Frankfurt
2. **Keynote: Possibilities of mass casualty simulation**
D. Oberndörfer, Frankfurt
3. O158 - BLS to laic people - Scout Groups in Rio de Janeiro, Brazil
A. Escudeiro, R. Escudeiro, G. Escudeiro, E. Escudeiro, E. Escudeiro; Niteroi/BR
4. O159 - Bootcamp – First impressions of a longitudinal gender based surgical and clinical skills training
G. Gradl, B. Derntl, M. Simon, S. Sopka, H. Pape, M. Knobe; Aachen/DE
5. O160 - Combined DSTC and DATC Course, 5 years of experience
E. Tan¹, C. Bleeker¹, M. Rensink¹, N. Schaapveld², A. Van Vugt³; ¹Nijmegen/NL, ²Tilburg/NL, ³Enschede/NL
6. O161 - The rising of a national programa on injury prevention on youth in Brazil
A. Dorigatti¹, M. Matos¹, T. Calderan¹, R. Carvalho¹, A.H. Scarpelini², J. Banfield³, G. Fraga¹; ¹Campinas/BR, ²Ribeirão Preto/BR, ³Toronto, ON/CA
7. O162 - A team-based-learning approach for teaching complex practical skills – boon or bane?
G. Gradl¹, J. Carow¹, M. Pishnamaz¹, M. Ruessler², M. Simon¹, S. Sopka¹, S. Beckers¹, H. Pape¹, M. Knobe¹; ¹Aachen/DE, ²Frankfurt/DE
8. O163 - Use of telemedicine for teaching Patient Safety
A. Dorigatti, A. Capone Neto, T. Calderan, A. Silva II, T. Zago, A. de Godoy, G. Fraga; Campinas/BR
9. O164 - From Accident to OR - A Multidisciplinary VR based Training Course
J. Beardi, Neustadt/DE
10. O165 - Surviving traumatic physical injury: a systematic synthesis of current knowledge
R. Ogilvie¹, A. McCloughen², K. Curtis², K. Foster²; ¹Garran, ACT/AU, ²Camperdown, NSW/AU
11. O166 - Measuring illness beliefs in patients with injuries of the lower extremities – Validity and reproducibility of the Dutch version of the Somatic Pre-Occupation and Coping questionnaire (SPOC-NL)
I. Reininga¹, S. Brouwer¹, J. Busse², S. Ebrahim², K. Wendt¹, M. el Mounni¹; ¹Groningen/NL, ²Hamilton, ON/CA
12. O167 - Improved Outcomes with a Procedural Check List for Pleural Decompression and

Drainage in Trauma

M. Fitzgerald¹, M. Anderson², K. Martin², R. Gruen³; ¹Melbourne, VIC/AU, ²Melbourne/AU, ³Melbourne, ACT/AU

08:00 - 10:00

Spektrum 1

Keynote Session - Military and Disaster Surgery, Education, Miscellaneous

Military Surgery Organisation

Chairs: M. Bemelman, Tilburg; F. Pons, Paris

1. **Keynotes: CBRN-E considerations with wound treatment**
L. Riddez, Stockholm
2. O168 - Traumateam Czech Republik - EU Civil Protection MODEX Falck Examination
P. Nestrojil, Brno/CZ
3. O169 - Implementing the new NATO Medic curriculum in the Danish Armed Forces Health Services educational program
M. Mølmer¹, A.M. Fenger², A.M. Knudsen²; ¹Hillerød/DK, ²Gadstrup/DK
4. O170 - Hospital Disaster Plan: Efficacy Of Simulation As Training Tool For Hospital Staff Members
R. Faccincani, M.T. Cibelli, P. Bergonzi, M. Carlucci, M. Spessot, A. Zangrillo; Milano/IT
5. O171 - Roadmap of a French combat surgeon: about three intensive weeks with the 6th Forward surgical team, supporting the war in Mali in 2013.
E. HORNEZ¹, J. Danis¹, P. Ramiara², S. Rigal¹, F. Pons³; ¹Clamart/FR, ²Toulon/GF, ³Paris Cedex/FR
6. O172 - Incidence and Epidemiology of Casualties treated at the Dutch role 2 Enhanced Medical Treatment Facility at Multi National Base Tarin Kowt, Afghanistan in the period 2006-2010
R. Hoencamp¹, F. Idenburg², J. Hamming¹, E. Tan³; ¹Leiden/NL, ²Den Haag/NL, ³Nijmegen/NL
7. O173 - Interface of hospital command center and prehospital command structures. Lessons learned from a hospital evacuation szenario in Germany
F. Wagner, M. Dotzer, M. Adamski; Murnau/DE
8. O174 - Caring for casualties from a country during civil war
D. Fuchs, Zefat/IL
9. O175 - Nurses role in Mass Casualty Events
J. Benbenishty, Jerusalem/IL

08:00 - 10:00

Spektrum 2

Keynote Session - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Soft Tissue Injuries

Chairs, J. Frank, Frankfurt; M. Keel, Berne

1. **Keynote: Acute and late treatment of necrotizing fasciitis**
R. Breederveld, Beverwijk
2. O176 - Analysis of the Compartment Syndrome of the Thigh in 83 consecutive cases
R. Schmidt, P. Rameder, S. Boesmueller, W. Machold; Vienna/AT
3. O177 - Effect of Negative Pressure Wound Therapy on infection complications of grade III open fractures.
M. Krticka, D. Ira, A. Bilik, V. Nekuda, M. Masek, J. Švancara; Brno/CZ
4. O178 - Effects of Negative Pressure Wound Therapy on Lower Leg Fasciotomy Wound Closure
D. Ira, M. Krticka, A. Bilik, M. Masek, R. Pikula; Brno/CZ
5. O179 - The prevention of wound infection in high risk abdominal wound closures by Negative Pressure Wound Therapy (NPWT)
L. Fattori, S. Coppola, A. Leva; Monza/IT

6. O180 - Risk Factor Analysis in 280 Cases of Negative-Pressure Wound Therapy
G. Osterhoff, P. Zwolak, C. Krüger, V. Wilzeck, H. Simmen, G. Jukema; Zürich/CH
7. O181 - Topical silver agents in treatment of partial thickness burn wounds in children: a systematic review and meta-analysis
Z. Rashaan, P. Krijnen, O. Dekkers, R. Breederveld; Leiden/NL
8. O182 - Missing data in preclinical care of severely burned patients
B. Ziegler, M. Münzberg, S. Fischer, T. Harbers, T. Kremer, C. Wöfl, P. Grützner, U. Kneser, C. Hirche; Ludwigshafen/DE
9. O183 - Prehospital treatment of severely burned patients: 79% arrive with hypothermia at the centre
T. Harbers, M. Münzberg, C. Wöfl, P. Grützner, T. Kremer, S. Fischer, B. Ziegler, U. Kneser, C. Hirche; Ludwigshafen/DE
10. O184 - Multi - Trauma Burns Injuries in Victoria: A Ten Year Review
C. Bell, M. Pacquola, Y. Singer, H. Cleland, B. Gabbe; Prahran, VIC/AU
11. O185 - Primary clinical management of burn injured patients in Germany, Austria and Switzerland
B. Ziegler, C. Hirche, T. Harbers, S. Fischer, C. Wöfl, T. Kremer, P. Grützner, U. Kneser, M. Münzberg; Ludwigshafen/DE
12. O186 - Three-dimensional imaging: a novel, reliable, and valid technique for measuring total body surface area in burns
Z. Rashaan¹, C. Stekelenburg², M. van der Wal², R. Breederveld¹; ¹Leiden/NL, ²Beverwijk/NL

10:30 – 12:00**Harmonie**

Round Table - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Fractures in the elderly: Care pathways

Chairs: K. Wendt, Groningen; P. Rommens, Mainz

1. Geriatric care pathway: who has to participate
F. Gebhardt, Ulm / Co-Author: E. Hartwig
2. Pelvic ring fractures in the Elderly
P. Rommens, Mainz
3. Osteoporotic fractures of the spine
Ch. Josten, Leipzig
4. Multiple injury in the elderly
K. Wendt, Groningen

10:30 – 12:00**Fantasia**

Round Table - World Trauma Congress, Polytrauma, Neurotrauma

Emergency Room Diagnostic Tools

Chairs: R. Hoffmann; D. Trunkey, Portland

1. Austere environments – Which diagnostic tools to use
E. Kollig, Koblenz
2. Ultrasound beyond FAST in the emergency room?
M. Zago, Bergamo
3. Conventional radiology or whole body scan in the emergency room?
K. Boffard, Johannesburg
4. Contrast CT-Scan: Routine or Selective?
A. Seekamp, Kiel
5. Modern Settings- Mobile CT- with interventional options
T. Vogl, Frankfurt

10:30 – 12:00**Illusion 1 + 2**

ILC - Emergency Surgery, Acute Care Surgery, Surgical Intensive Care

Challenges in emergency surgery

Chairs: T. Gaarder, Oslo; P. Vassiliu, Athens

1. Large bowel tumor obstruction – Hartmann or primary anastomosis?
M. Özmen, Turkey
2. Severe cholecystitis – open or laparoscopic, immediate or delayed surgery?
S. Uranues, Graz
3. Perforated diverticulitis - open or laparoscopic, resect or not?
A. Fingerhut, Paris
4. Acute appendicitis – surgery or conservative treatment
Martinez Casas, Alicante
5. Obscure lower GI-bleeding in elderly
C. Mesquita, Portugal

10:30 – 12:00**Illusion 3**

ILC - World Trauma Congress, Polytrauma, Neurotrauma

Boundless Trauma Care Central Europe (BTCCE) – a cross border project to improve the care of severely injured patients

Chairs: H. Pape, Aachen; P. Brink, Maastricht

1. The EMRIC+ (Euregio Maas-Rhein In Crisis) project
P. Brink, Maastricht
2. Regional trauma care in the southern german region
M. Nerlich, Regensburg
3. The cross border project in the southern region
T. Pohlemann, Homburg
4. Current cross border projects: Rescue and Polytraumacourse
H.Pape, Aachen
5. Ideas for a cross border trauma network: BMTCC
H. Andruskow, Sabakhnij

10:30 – 12:00**Conclusio**

Guest Symposium ATLS - World Trauma Congress, Polytrauma, Neurotrauma

Achievement and Advances of ATLS

Chairs: I. Schipper, Amsterdam; C. Wöfl, Ludwigshafen

1. ATLS – Update on the Evidence
C. Wöfl, Ludwigshafen
2. New Ways of teaching ATLS – Serious Gaming
S. Klein Nagelvoort-Schuit, Rotterdam
3. O187 - Application of cervical collars – An analysis of practical skills of prehospital care providers and emergency physicans
M. Münzberg¹, S. Goller¹, G. Rauch², B. Gliwitzky³, C. Wöfl¹, S. Matschke¹, M. Kreinest¹;
¹Ludwigshafen/DE, ²Heidelberg/DE, ³Offenbach/queich/DE
4. Outcome of ATLS Providers depending on their motivation of taking part (extrinsic versus intrinsic)
W. Armbruster, Ludwigshafen

10:30 – 12:00

Spektrum 1

Keynote Session - Military and Disaster Surgery, Education, Miscellaneous

Adaption of Surgical Procedures in Military Conflicts

Chairs: S. Lennquist, Linköping; B. Hreckovski, Bukovlje

1. **Keynote: Update on clinical issues in the treatment of civilians injured in terrorist bomb explosions**
I. Ashkenazi, Hadera
2. **Keynote: Care under fire from a civilian setting**
B. Dobson, London
3. O188 - Delayed vascular trauma repair in war surgery
T. Salamon, A. Altshuler; Zefad/IL
4. O189 - Saving Limbs in War
J. Wilson, C. Shenhar, K. Shukri, A. Lerner, A. Hadary, S. Biswas; Safed/IL
5. O190 - Hot Air Balloon Crashes - is there a common denominator: single center experience in comparison with other major events
M. Kisilak, A. Fischinger, M. Cimerman, A. Kristan; Ljubljana/SI
6. O191 - Decompressive craniectomy – different timepoints for civilian and military head injury?
C. Schulz, U. Mauer, U. Kunz; Ulm/DE
7. O192 - Soft tissue coverage of combat-related extremity injuries: use of pedicle flaps on the battlefield
F. rongieras¹, L. Mathieu¹, F. Vigouroux¹, A. Bertani¹, N. Pellet², C. Gaillard³; ¹Lyon/FR, ²Bordeaux/FR, ³Toulon/FR
8. O193 - Improved survival in UK combat casualties from Iraq and Afghanistan: 2003-2012
J. Penn-Barwell, S. Roberts, J. Bishop, M. Midwinter; Birmingham/UK
9. O194 - Infected shotgun fractures of long bones. Ten years experience with application of Ilizarov method
C. Matzaroglou¹, A. Kouzelis¹, A. Saridis²; ¹Rio, Patras/GR, ²Drama/GR
10. O194A - Mass shooting in Kiev: a lesson learned from Oslo.
O. Linchevskyy, D. Masnikov, A. Makarov, V. Getman; Kiev/UA

10:30 – 12:00

Spektrum 2

ILC - Emergency Surgery, Acute Care Surgery, Surgical Intensive Care

Critical Care in the Surgical Patient

Chairs: A. Leppäniemi, Helsinki; J. Tilsed, Beverley

1. Damage limitation in emergency surgery
A. Leppäniemi, Helsinki
2. Planned re-laparotomy: do we need to optimize physiology and immunology first?
D. Demetriades, Los Angeles
3. Fluid management in the critically ill surgical patient
J. Tilsed, Beverley
4. Complex abdominal sepsis: managing the fistulating laparostomy
A. Leppäniemi, Helsinki
5. Surgical emergencies in pregnancy: the two patient rule
M. Ozmen, Turkey
6. Caustic Injuries - From the injury to reconstruction
Yoram Kluger, Rehovot

10:30 – 12:00

Poster Area – Level C3

Poster Session

Polytrauma II

Chair: S. Flohé, Düsseldorf

1. P096 - Frequency and treatment of pelvic ring fractures at the resuscitation bay
M. Tomažević, A. Fischinger, A. Kristan, M. Cimerman; Ljubljana/SI
2. P097 - Pelvic fracture in severely injured patients: Impact of Massive Transfusion Protocol implementation.
T. Söderlund¹, P. Åström¹, L. Handolin²; ¹Hus/FI, ²Helsinki/FI
3. P098 - Damage Control in Pelvic Fractures in Polytrauma Patients
M. NAGEA, O. LUPESCU, G. POPESCU, C. PATRU, M. COLTAN, D. SUCOVESCHI, C. DEACONESCU; Bucharest/RO
4. P099 - The Roles of laparotomy and Transcatheter Arterial Embolization in the Management of the Patients with Concomitant Pelvic Fracture and Unstable Hemodynamics
C.H. Chu, C.Y. Fu, C.H. Liao; Taoyuan/TW
5. P100 - Relative Hypotension Serves as a Marker of the Requirement of Angioembolization in Pelvic Fracture Patients without Contrast Extravasation on Computed Tomographic Scan.
C.H. Chu, C.Y. Fu; Taoyuan/TW
6. P101 - Epidemiology and outcome of penetrating trauma in a western european urban region
P. Störmann, K. Gartner, H. Wyen, S. Wutzler, I. Marzi; Frankfurt/DE
7. P102 - Trauma and acute stress disorder
M. Torba, A. GJATA, S. Buci, R. Madani, E. Faber, K. Kagjini; Tirana/AL
8. P103 - Geriatric Trauma - Characteristics of patients older than 90 years. An analysis from the trauma registry of the German Society for Trauma Surgery (DGU)
Y. Fülling¹, C. Fisahn¹, M. Himmerich¹, R. Lefering², T. Schildhauer¹, J. Swol¹; ¹Bochum/DE, ²Cologne/DE
9. P104 - Geriatric Trauma - Age-dependant differences in treatment pre- and post-hospitalization. An analysis from the trauma registry of the German Society for Trauma Surgery (DGU)
Y. Fülling¹, C. Fisahn¹, M. Himmerich¹, R. Lefering², T. Schildhauer¹, J. Swol¹; ¹Bochum/DE, ²Cologne/DE
10. P105 - Maternal and Fetal Outcome in Motor-Vehicle Crashes: a 12 Years Study in One Level 2 Trauma Center
M. Anastasiu, R. Popescu, M. Suteu, D. Neacsu, R. Dedu; Buzau/RO
11. P106 - Horse-related trauma during a nine month period in a cohort from Linköping, Sweden
S. Redéen, R. Norblad, P. Drott, J. Johansson; Linköping/SE
12. P107 - Equestrian Injuries in Rural England
C. Dover, D. Banks, S. Hay; Shrewsbury/UK
13. P108 - Rare blunt intra-thoracic injuries in severely injured trauma patients: 10 years' experience from a single trauma center
T. Söderlund¹, T. Brinck², L. Handolin²; ¹Hus/FI, ²Helsinki/FI

10:30 – 12:00

Poster Area – Level C3

Poster Session

Vascular Trauma

Chair: T. Hardcastle, Durban

1. P109 - Blunt Thoracic Trauma with Injury to Critical Airway
M.H. Costa, D. Bonomi, S. Starling, D.A. Drumond, F. Botelho Filho, D. Soares, A. Guimarães, G. Gattas, P. Ribeiro, M.R. Ribeiro, G. Cabral; Belo Horizonte/BR
2. P110 - Efficacy of cardiac MRI for the diagnosis of blunt cardiac injury
K. Kaneda, T. Yamamoto, H. Yamamura, K. Matsumoto, S. Ehara, Y. Mizobata; Osaka-City/JP

3. P111 - Which way should a chest tube be inserted in primary trauma care, posterior or anterior?
S. Matsumoto, M. Kitano; Yokohama/Jp
4. P112 - The operative stabilization of rib fractures in polytrauma patients - a standard procedure?
O. Özkurtul, J. Fakler, C. Josten; Leipzig/DE
5. P113 - Early surgical stabilization of rib fractures using a minimally invasive procedure: a pilot study
K. Anderson¹, H. Eckardt², J. Ravn¹; ¹København Ø/DK, ²Copenhagen/DK
6. P114 - Clamshell thoracotomy for resuscitation and repair of life-threatening chest injury
K. Mashiko, H. Matsumoto, Y. Hara, T. Yagi, K. Hayashida, N. Saito, H. Iida, T. Motomura, T. Miki, H. Yasumatsu, D. Kameyama, Y. Konda, A. Hirabayashi, Y. Hattori, K. Mashiko; Inzai/Jp
7. P115 - Delayed Diagnosis of Pulmonary Artery Injury, due to Blunt Trauma, which Mimicked Traumatic Lung Pseudocyst
S.W. Chang, K.M. Ryu, J. Ryu; Cheonan/KR
8. P116 - Selective angioembolization of the superior gluteal artery after a gunshot wound
I. Samokhvalov, A. Petrov, A. Rud', V. Reva; Saint-Petersburg/RU
9. P117 - Isolated blunt Innominate artery injury in the setting of bovine arch anatomy
E. Brauner, H. Bahouth, S. Nitecki, O. Ben Ishay, Y. Kluger; Haifa/IL
10. P118 - Successful endovascular treatment of a iliaco to ileal 'Bricker' conduit fistula after EVAR
S. Kamphuis, R. Davits, P. Vriens; Tilburg/NL

10:30 – 12:00

Poster Area – Level C3

Poster Session

Abdominal Emergencies II

Chair: L. Pinheiro, Viseu

1. P119 - As an Emergency Surgical Intervention, Is Hartmann Secure?
M. İlhan, Y. Soytaş, A.F.K. Gök, M. Üçüncü, H. Yanar, R. Güloğlu, C. Ertekin; İstanbul/TR
2. P120 - Bochdalek hernia relapse after laparoscopic repair
S. Stabina, A. Kaminskis, G. Pupelis, A. Rudzats; Riga/LV
3. P121 - Introduction of emergency laparoscopic surgery; Single institution experience
Y. Kaneko, K. Yo, T. Kanai, T. Matsuoka, Y. Yamasaki, T. Ohnishi, M. Kojima, S. Imai, T. Akiyoshi, T. Akatsu, T. Nagase, S. Yamamoto, M. Nakagawa; Hiratsuka, Kanagawa/Jp
4. P122 - When the abdomen masquerades as the heart
D. Julià Bergkvist, N. Gómez Romeu, E. Artigau, M. Pujadas, A. Martín, F. Olivet, R. Farrés, A. Ranea, A. Codina-Cazador; Girona/ES
5. P123 - Primary Aorto-Enteric Fistula (PAEF) caused by metastatic cervical cancer
M. Zambrano Olivo, C. Mauricio Alvarado, V. Blázquez Romero, T. Guzmán Valencia; Seville/ES

10:30 – 12:00

Poster Area – Level C3

Poster Session

Diagnostic Procedures

Chair: P. Ramos, Funchal

1. P124 - Severity Assessment of Acute Pancreatitis: Applying Marshall Scoring System
J.M. RODRIGUES, A. CARIOCA, D. JOZALA, L. de BEM; Sorocaba/BR
2. P125 - Does multidetector computed tomography improve the diagnosis of blunt small bowel injuries?
R. Araujo, M. Matos, G. Fraga, B. Pereira, T. Zago, R. Ruano, T. Penachim, M. Desiderá, M.

- Mantovani; Campinas/BR
3. P126 - MRI To Look For Occult Femoral Neck Fracture: A Pictorial Review Of Multiple Incidental Mimicking Conditions, Which Eventually Explain Patient'S Symptoms
J. Taylor, A. Sahu, E. Rees, D. Khan, S. Suresh, A. Gafoor; Plymouth/UK
 4. P127 - Sacral fractures in children
B. Slesak, R. Tomaszewski, J. Kler, A. Gap; Katowice/PL
 5. P128 - The use of water soluble contrast in adhesional small bowel obstruction; A retrospective analysis.
D. Luke¹, N. Shastri-Hurst¹, M. Boal¹, S. Abas¹, T. Schoeler²; ¹Birmingham/UK, ²Frankfurt Am Main/DE
 6. P129 - The role of early diagnose of traumatic diaphragmatic rupture to prevent malpractice
G. Can, A. Aren, M. Güneş, M. Sevinç, E. Çakar, T. Dübüş; Istanbul/TR
 7. P130 - Complementary Exam on the Management of Torso Trauma. Is It safe to have only radiography and FAST?
F. Botelho Filho, R.C. Silva, S. Starling, D.A. Drumond, M.H. Costa, D. Zille, F. Campos, E. Candido, D. Silva, B. Rabelo; Belo Horizonte/BR
 8. P131 - Implementation of percutaneous dilatational tracheostomy on trauma patients.
L. Salvatierra Arrieta, M. Quiodettis, O. Valderrama, S. Monteza Gallardo, A. Avila, E. Liao Guevara; Panama/PA
 9. P132 - Image Exchange in Acute Trauma Care - Can multiple x-rays always be avoided?
C. Juhra¹, P. Neuhaus¹, T. Vordemvenne¹, R. Hartensuer¹, O. Butz¹, T. Weber², M. Raschke¹; ¹Münster/DE, ²Köln/DE

10:30 – 12:00

Poster Area – Level C3

Poster Session

Neuro- and Spine Trauma

O. Trentz, Zurich

1. P133 - An asymptomatic knife blade stab to the head: a case report
P. Christopoulos¹, T. Baillie¹, T. Doulias², C. Goula²; ¹Johannesburg/ZA, ²Thessaloniki/GR
2. P134 - Upper extremity trauma in multiple traumatized patients: Is there an additional effect of traumatic brain injury on long-term outcome?
H. Andruszkow¹, C. Probst², O. Grün³, R. Pfeifer¹, K. Horst¹, M. Knobe¹, H. Pape¹, E. Hildebrand¹; ¹Aachen/DE, ²Köln/DE, ³Hannover/DE
3. P135 - Treatment strategy for the blunt cerebrovascular injury: importance and effectiveness of endovascular treatment
A. Yamamoto, Y. Iwashita, E. Kawamoto, K. Yokoyama, K. Suzuki, A. Shindo, Y. Omori, K. Ishikura, T. Hatada, M. Fujioka, T. Takeda, H. Imai; Tsu, Mie/JP
4. P136 - Emergency department intermediate care unit for traumatic brain injury
H. Sano, J. Tsurukiri, T. Okita, T. Oomura; Tokyo/JP
5. P137 - Diagnostic approach of cerebral fat embolism in our hospital
T. Doi¹, N. Morimura¹, J. Ishikawa¹, S. Matsuzaki¹, K. Nakamura¹, N. Harunari¹, T. Sakamoto²; ¹Yokohama/JP, ²Tokyo/JP
6. P138 - Impact of Surgical Operation on Glasgow Coma Scale and Cerebral State Index and Their Correlation in Traumatic Brain- Injured Patients
M. Mahdian¹, M. Fazel¹, E. Fakharian¹, H. Akbari¹, S. Mahdian²; ¹Kashan/IR, ²Arak/IR
7. P139 - Middle latency auditory evoked potential index monitoring to predict brain death after emergency craniotomy in patients with severe TBI
J. Tsurukiri, Tokyo/JP
8. P140 - Temporally coverage of the meninges with hydrocolloid dressing in head trauma.
A. BARRAGÁN-MORTEO, M. MARTÍNEZ-JIMÉNEZ, E. NEUMANN-GUERRA; San Luis Potosí/MX
9. P141 - Posttraumatic Pneumomediastinum and Pneumomyelon after thoracic trauma
C. Pfeifle, R. Henkelmann, P. Waschk, S. Glasmacher, C. Josten; Leipzig/DE
10. P142 - Platelet Function In Traumatic Brain Injury; Does The Type Of Test Matter?
J. Saxe, D. Campbell, Z. Il'Giovine, R. Markert, M. Whitmill; Dayton, Ohio, OH/US

11. P143 - The „Unhappy triad of C1/2“ - a new fracture entity of the atlantoaxial joint at the geriatric patient
J. Jarvers, U. Spiegl, S. Glasmacher, C. Josten; Leipzig/DE
12. P144 - Clearance of the cervical spine in trauma patients: Experience in an Asian hospital and implementation of a cervical spine clearance protocol.
X.J. Zheng, T.W. Ang, S.F. Lim, C.K. Chong; Singapore/SG
13. P145 - 3D- C-Arm based navigation at posterior stabilisation of the cervical and thoracic spine in 545 screws. Problems and benefit.
J. Jarvers, U. Spiegl, S. Glasmacher, C. Josten; Leipzig/DE
14. P146 - Horse related spine injuries – a review of 50 cases
A. Schicho, D. Einwag, F. Gebhard, C. Riepl; Ulm/DE

12:00 – 12:12

Harmonie

12-to-12 Lecture

Bone defect healing by RIA and Stem Cells

I. Marzi, Frankfurt

12:00 – 12:12

Fantasie

12-to-12 Lecture

S3 Polytrauma – Guideline

H.-J. Oestern, Celle

12:00 – 12:12

Illusion 1 + 2

12-to-12 Lecture

Myths in surgery: why do we ignore the evicende?

H. Kurihara, Milan

12:00 – 12:12

Illusion 3

12-to-12 Lecture

New signals in trauma

S. Flohe, Düsseldorf

12:30 – 13:30

Harmonie

ESTES General Assembly

14:00 – 15:30

Harmonie

Guest Symposium BG-Hospitals - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Current and future concepts for treatment of non unions

Chairs: V. Bühren, Murnau; T. Matsushita, Tokyo

1. Treatment for hypertrophic situations
V. Bühren, Murnau
2. Decision making for suspected infection
G. Hofmann, Jena/Halle
3. Good an poor indications for BMP's
U. Stöckle, Tuebingen
4. Chipping technique
M. Matshushita, Tokyo
5. Masquelet technique
T. Schildhauer, Bochum
6. My choice for treatment today
P. Giannoudis, Leeds

14:00 – 15:30

Fantasie

ILC - World Trauma Congress, Polytrauma, Neurotrauma

Decision Making: Operative Algorithm

Chairs: T. Scalea, Baltimore; C. Josten, Leipzig

1. Early Total Care – still a choice?
T. Scalea, Baltimore
2. Damage Control Orthopedics
H.C. Pape, Aachen
3. The Bleeding Patient
W. Schwab, Philadelphia
4. Clinical relevance of hypothermia in the trauma patient
L. Handolin, Stockholm
5. Neurotrauma and spine injuries: What comes first?
W.I. Steudel, Homburg
6. What stabilization is necessary for Intensive Care
U. Obertacke, Mannheim

14:00 – 15:30

Illusion 1 + 2

ILC IATSIC - Visceral Trauma, Abdominal Trauma, Thoracic Trauma, Vascular Trauma

Critical bleeding – tips and tricks

Chairs: K. Boffard, Johannesburg; C. Mesquita, Coimbra

1. Damage Control: surgical control of massive bleeding
E. Moore, Denver
2. Trauma induced coagulopathy – what's new?
T. Gaarder, Oslo
3. Perihepatic vascular injury during surgery: Current Management
W. Bechstein, Frankfurt
4. Exsanguinating pelvic injuries – a practical algorithm
T. Pohlemann, Homburg
5. Novo seven – does it help?
K. Boffard, Johannesburg

14:00 – 15:30

Illusion 3

ILC - Military and Disaster Surgery, Education, Miscellaneous

What does a trauma patient need? Interactive audit of real patient scenarios

Chairs: F. Al-Ayoubi, Abu-Dhabi; M. Ruessler, Frankfurt

1. Prehospital Setting
B. Dobson, London
2. In the OR
F. Al-Ayoubi, Abu-Dhabi
3. Intensive Care
D. Demetriades, Los Angeles
4. Posttrauma Care
M. Bowyer, Washington

+ Round Table Discussion

14:00 – 15:30**Conclusio**

Guest Symposium ETCO - World Trauma Congress, Polytrauma, Neurotrauma

Trauma Care: The Team Approach

Chairs: K. Thies, Birmingham; P. M. Rommens, Mainz

1. History of the ETC
K. Thies, Birmingham
2. ATLS and ETC: competitive or complementary?
E. Voiglio, Lyon
3. The role of the radiologist within the trauma team
K.-F. Kreitner, Mainz
4. Simulation in trauma training
C. Lott, Mainz
5. Effects of trauma team training
S. Kuhn, Mainz

14:00 – 15:30**Spektrum 1**

ILC - Military and Disaster Surgery, Education, Miscellaneous

Education of Military Surgeons

Chairs: B. Friemert, Ulm; R. Breederveld, Beverwijk

1. War related Wounds - update 2014 and needed operative skills
C. Willy, Berlin/Ulm
2. Education/Recruitment in the Netherland
R. Breederveld, Beverwijk
3. Education/Recruitment in Germany
B. Friemert, Ulm
4. Changes in combat casualty care
D. Trunkey, Portland
5. Education/Recruitment in the UK?
C. Bowley, Birmingham
6. Principals from Military surgery translated to civilian care
E. Dhondt, Belgium

14:00 – 15:30**Spektrum 2**

Keynote Session - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Femur Fracture Treatment II

Chairs: C. Juergens, Hamburg; B. Bakota, Zagreb

1. **Keynote: Clinical Applications or the RIA System**
C. Müller, Karlsruhe
2. O195 - Dynamisations In The Axis Of The Neck And In The Long Axis Of The Femur are Both Important In The Surgical Treatment Of Pterochantheric Fractures
M. Mitkovic, S. Milenkovic, I. Micic, M. Mitkovic; Nis/RS
3. O196 - Retrograde femoral nails for intercondylar femoral fractures
A. Eid, S. Elgawhary; Zagazig/EG
4. O197 - Fixator-assisted internal fixation in periprosthetic fractures of the femur
A. Chelnokov¹, I. Piven¹, A. Sitnik²; ¹Ekaterinburg/RU, ²Minsk/BY
5. O198 - Lesser trochanter avulsion in a proximal femur fracture: does it affect hip flexion strength?
A. Aprato¹, R. Lo Baido², A. Crosio², R. Matteotti¹, E. Grosso¹, A. Massè²; ¹Torino/IT, ²Orbassano/IT

6. O199 - At this moment it is not possible to predict which femoral fractures will need dynamisation during the treatment using internal fixation
M. Mitkovic¹, S. Milenkovic¹, I. Micic¹, I. Kostic², M. Mitkovic¹; ¹Nis/RS, ²Nis/AT
7. O200 - Locked nailing with stem lengthening in periprosthetic femoral fractures
A. Chelnokov¹, I. Piven¹, I. Shlykov¹, P. Ivanov²; ¹Ekaterinburg/RU, ²Moscow/RU
8. O201 - Outcome in patients undergoing a lateral, transgluteal approach versus anterior minimal invasive surgery in hip hemiarthroplasty for femoral neck fractures: A prospective clinical trial
H. Frei¹, M. Rudin², A. Leucht², T. Hotz², F. Kalberer², K. Käch²; ¹Davos Platz/CH, ²Winterthur/CH

14:00 – 15:30

Poster Area – Level C3

Poster Session

Surgical Critical Care II

Chair: Z. Balogh, Newcastle

1. P147 - Idiopathic retroperitoneal bleeding: a report of five cases
T. Morioka, T. Yamamoto, S. Kaga, K. Kaneda, H. Yamamura, Y. Mizobata; Osaka-City/JP
2. P148 - luxatio cordis- surgical treatment and ECMO therapy
F. Rademacher, M. Stoll, J. Reichert, M. Bechtel, K. Klak, J. Strauch, T. Schildhauer, J. Swol; Bochum/DE
3. P149 - Amount of blood transfusions in a restrictive transfusion protocol and survival in patients receiving extracorporeal membrane oxygenation (ECMO)
V. Kalem, D. Buchwald, J. Strauch, T. Schildhauer, J. Swol; Bochum/DE
4. P150 - The effect of HFOV for continuous alveolar hemorrhage due to traumatic lung injury patients
S. Higaki, W. Ishii, N. Sato, Y. Okada, K. Koike, R. Iiduka; Kyoto/JP
5. P151 - Clinical features and analysis of predictors of mortality in patients with Traumatic Brain Injury (TBI) admitted to the Intensive Care Unit
N. de Liz¹, L.N. Queiroz¹, A. Arent², N. Nazario¹, F. Savóia de Oliveira³, V. Carriero Lima³; ¹Palhoça/BR, ²São José/BR, ³Palhoça - Sc/BR
6. P152 - Intensive care challenges for surgical patients with renal failure – our experience
P. radu, M. bratucu, D. garofil, C. iorga, C. pasnicu, F. popa, V. strambu; Bucharest/RO
7. P153 - Extracorporeal lung support and high frequency oscillation ventilation in patients with spinal cord injury
S. Lotzien, M. Aach, D. Buchwald, J. Strauch, T. Schildhauer, J. Swol; Bochum/DE
8. P154 - Outcome of occult hemo-pneumothorax in trauma patients who required positive-pressure ventilation
I. Mahmood, Z. Tawfeek, H. Al-Thani, A. El-Menyar, R. Latifi; Doha/QA
9. P155 - Chest wall reconstruction for poststernotomy mediastinitis and sternal dehiscence after cardiac surgery
M. Zambrano Olivo, F. González Fernández, A. Morillo Mendoza, T. Guzmán Valencia; Seville/ES

14:00 – 15:30

Poster Area – Level C3

Poster Session

Skeletal Trauma Lower Extremity

Chair: R. Kdolsky, Vienna

1. P156 - The management of complex polysegmental tibial fractures with the Ilizarov fixator. Ten years experience with Ilizarov application.
C. Matzaroglou¹, A. Kouzelis¹, A. Saridis²; ¹Rio, Patras/GR, ²Drama/GR
2. P157 - Comparison between Hybrid External Fixators (HEF) vs ORIF in the treatment of difficult tibial plateau fractures
K. Papagiannakos, P. Kakavas, A. Priftis, S. Sarafopoulos, N. Potamitis, G. Karnezis, G.

- Protopapadakis, I. Akrivos; Athens/GR
3. P158 - Severe open ipsilateral noncontiguous tibial shaft and plateau fractures treated by combining supra-patellar nails and plates -a case report-
T. Kawamura, H. Minehara, T. Suzuki, T. Matsuura, M. Nakawaki, E. Shirasawa, M. Takaso; Sagamihara/JP
 4. P159 - Our experience in operating distal tibia fractures with the use of ORIF and/or External Fixation (EF)
K. Papagiannakos, P. Kakavas, A. Priftis, P. Boudouris, G. Frageskakis, K. Bosinakis, G. Protopapadakis, I. Akrivos; Athens/GR
 5. P160 - Tibial shaft fractures treated using intramedullary osteosynthesis
I. Lalic, M. Obradovic, M. Lukic-Sarkanovic; Novi Sad/RS
 6. P161 - (Withdrawn)
 7. P162 - Multifragmentary tibial pilon fractures treated with transosseous osteosynthesis
I. Lalic, M. Obradovic, M. Lukic-Sarkanovic; Novi Sad/RS
 8. P163 - (Withdrawn)
 9. P164 - Intra-articular proximal tibial fractures – arthroscopically assisted osteosynthesis
J. Konecny, M. Reska, M. Kabela, J. Ciernik, L. Veverkova; Brno/CZ
 10. P165 - Osteosynthesis of the posterior edge of the tibia in treatment as the prevention of the ankle posttraumatic arthrosis
T. Kozák, R. Hart; Znojmo/CZ
 11. P166 - Plate osteosynthesis primary fixation in open lower limb fracture
M. Labidi, S. Gasparic; Koprivnica/HR
 12. P167 - Causes of open fractures: orthopaedic injuries related to home-made agricultural vehicles
S. Coşkun¹, F. Say¹, M. Erdoğan¹, M. Bülbül², D. Gürler¹; ¹Samsun/TR, ²Istanbul/TR
 13. P168 - Musculoskeletal trauma of intimate partner violence victims in a Finnish Level I trauma centre
E. Hackenberg¹, V. Koljonen², L. Handolin²; ¹Lappeenranta/FI, ²Helsinki/FI

14:00 – 15:30

Poster Area – Level C3

Poster Session

Quality in Trauma Care II

Chair: S. Ruchholtz, Marburg

1. P169 - The use of emergency theatre over two one month periods in 2012 and 2013 in one of London's major trauma units.
W. English, J. Farrant, N. Newton; Bb/UK
2. P170 - Strategy of development trauma and emergency surgery in Bosnia and Herzegovina
I. Gavrankapetanovic, D. Ivanišević, E. Hadžić; Sarajevo/BA
3. P171 - Incidence, time and risk of mortality in injured patients: A Single Center Experience over A 3-year period
H. Abdulrahman, A. El-Menyar, H. Al-Thani, A. Parchani, R. Peralta, A. Zarour, R. Latifi; Doha/QA
4. P172 - Clinical review is essential to evaluate 30-day mortality after trauma
P. Ghorbani, M. Falkén, L. Riddez, M. Sundelöf, A. Oldner, L. Strömmer; Stockholm/SE
5. P173 - Analysis of the location of the most common age-dependent injuries in children
B. Slesak, R. Tomaszewski; Katowice/PL
6. P174 - Epidemiology of trauma in the province of Pavia: a 5 years retrospective study
F. Boschi¹, G. Bassi¹, F. Benazzo²; ¹Voghera/IT, ²Pavia/IT
7. P175 - Inclusion criteria for anabolic treatment of osteoporosis in hip fracture in elderly patients
R. Komadina¹, B. Hostnik¹, G. Veninšek²; ¹Celje/SI, ²Ljubljana/SI
8. P176 - Maxillofacial trauma experienced by a central London hospital: A retrospective study
S. Ghurye, P. Almela, R. Pabla, S. Mattine; London/UK

14:00 – 15:30

Poster Area – Level C3

Poster Session

Bleeding Control I

Chair: R. Komadina, Slovenia

1. P177 - Recovery of fibrinogen concentrate after intraosseous application is equivalent to the intravenous route in a swine model of haemodilution.
C. Schlimp¹, C. Solomon², C. Keibl¹, J. Zipperle¹, S. Nürnberger¹, H. Redl¹, H. Schöchl¹;
¹Vienna/AT, ²Marburg/DE
2. P178 - Reliable and fast measurement of fibrinogen levels in whole blood. Results from in vivo and in vitro experimental studies.
C. Schlimp¹, A. Khadem¹, A. Klotz¹, C. Solomon², G. Hochleitner², H. Redl¹, H. Schöchl¹;
¹Vienna/AT, ²Marburg/DE
3. P179 - Acute Embolization for High-risk Surgical Patients with Hemorrhage
M. İlhan, Y. Soytaş, A.F..K. Gök, E. Agolli, H. Yanar, K. Günay, C. Ertekin; Istanbul/TR
4. P180 - Acute bleeding in patients with trauma: development of an intervention algorithm
Â. Alves¹, A. Carrilho¹, A. Rodrigues¹, M. Gomes², R. Orfão³, A. Robalo Nunes¹, J. Aguiar⁴, M. Campos⁴, M. Carvalho⁴; ¹Lisboa/PT, ²Carnaxide/PT, ³Coimbra/PT, ⁴Porto/PT
5. P181 - Effect of tranexamic acid on blood transfusion in trauma patients with acute coagulopathy is affected by fibrinolytic activity.
K. Murata, Tokyo/JP
6. P182 - The potential use of novel and innovative hemostatic dressings in the current trauma & emergency surgery.
M. Nowacki¹, M. Wisniewski², K. Werengowska-Ciecwierz², A.P. Terzyk², T. Kłoskowski¹, A. Jundzill¹, M. Pokrywczynska¹, K. Pietkun¹, D. Tyloch¹, M. Rasmus¹, K. Warda¹, T. Drewa¹;
¹Bydgoszcz/PL, ²Torun/PL
7. P183 - Rockall score complemented with prothrombin time improves the accuracy in predicting increased risk of recurrent bleeding after endoscopic haemostasis
M. Mukans, S. Stabina, G. Pupelis; Riga/LV
8. P184 - Characterization of the Latent Proto-Hyperfibrinolytic State in Severe Trauma and a Limb Ischemia Model
M. Chapman¹, E. Moore², E. Gonzalez¹, H. Moore¹, A. Ghasabyan¹, T. Chin¹, C. Ramos¹, A. Banerjee¹, C.C. Silliman²; ¹Aurora, CO/US, ²Denver, CO/US

14:00 – 15:30

Poster Area – Level C3

Poster Session

CMF Injuries

O. Lupescu, Bucharest

1. P185 - Elective and Emergency theatre lists for Maxillofacial Trauma in a regional referral centre: Are we operating effectively?
S. Ghurye, P. Almela, R. Pabla, S. Mattine; London/UK
2. P186 - The cauliflower ear..the pugilist and the insane
A. Rekha, Chennai/IN
3. P187 - The importance of Oral ad Maxilofacial Surgeon in trauma centers
E. Escudeiro¹, R. Escudeiro¹, A. Escudeiro¹, G. de Souza Gonçalves², E. Escudeiro¹, E. oliveira¹, J. Santos¹; ¹Niteroi/BR, ²Niterói/BR
4. P188 - Complications following surgical management of Maxillofacial Trauma injuries
S. Ghurye, P. Almela, R. Pabla, S. Mattine; London/UK
5. P189 - Myofunctional Treatment in the pre and post-surgical of orthognathic surgery
W. Liberato¹, C. Cruz¹, V. Oliveira², M. Kalil², M.T. Kalil²; ¹Rio De Janeiro/BR, ²Niterói/BR
6. P190 - Early reconstruction of isolated soft tissue defect after facial trauma
W. Ibrahim, H.H. Shalaby, E.M. Abd El Razek, W.A. Mostafa; Tanta- Gharbia/EG

16:00 – 17:30

Harmonie

ILC Panamerican Trauma Society (PTS) - Visceral Trauma, Abdominal Trauma, Thoracic Trauma, Vascular Trauma

Innovations in the management of the severely injured patients

Chairs: R. Ivatury, Richmond; R. Poggetti, Sao Paulo

1. Minimally invasive aortic occlusion in the resuscitation of “extremis”patients
T. Scalea, Baltimore
2. Laparoscopy in the diagnosis and management of abdominal trauma
N. Kawahara, Sao Paulo
3. Advances in the surgical treatment of liver injuries
A. Peitzman, Pittsburg
4. Damage-control techniques in vascular injuries
A. Garcia, Cali

16:00 – 17:30

Fantasie

Round Table - World Trauma Congress, Polytrauma, Neurotrauma

Algorithms and Quality in the Emergency Room

Chairs: M. Rotondo, Chicago; O. Trentz, Zurich

1. Global Needs Analysis in Orthopedic Trauma for Practicing Surgeons
M. Cunningham, Dübendorf
2. ATLS-Concept
M. Rotondo, Chicago
3. DSTC
T. Gaarder, Oslo
4. ETCO
K. Thies, Birmingham
5. The educational perspective (In House Team Training)
H. Wyen, Frankfurt

16:00 – 17:30

Illusion 1 + 2

Round Table - Military and Disaster Surgery, Education, Miscellaneous

Surgical Disaster Response

Chairs: M. Bemelman, Utrecht; P. Fischer, Bonn

1. DGKM Disaster Medicine Curriculum
P. Fischer, Bonn
2. MRMI Course and Relevance
K. Lennquist, Stockholm
3. The FMT Initiative
I. Norton, Geneva
4. Decision making Process include in Disaster Surgery Guidelines
W. Schwab, Philadelphia
5. Global Risk Forum: Disaster Surgery in the future
W. Amman, Davos

16:00 – 17:30**Illusion 3**

ILC - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Fractures and dislocations of the foot

Chairs: J.H. Harbers, Groningen; C. Jürgens, Hamburg

1. Lisfranc fracture dislocation
J.H. Harbers, Groningen
2. Internal fixation of calcaneus fracture
C. Sommer, Chur
3. Fractures of the Talus
O. Lupescu, Bucharest
4. Injuries of the Ankle
C. Jürgens, Hamburg
5. Complex foot injuries
T. Schepers, Amsterdam

16:00 – 18:00**Conclusio**

Keynote Session - World Trauma Congress, Polytrauma, Neurotrauma

Polytrauma Outcome

Chairs: E. Neugebauer, Cologne; A. Haider, Baltimore

1. **Keynote: Japanese Association for the Surgery of Trauma activities for improving trauma care**
Y. Mizobata, Osaka
2. O202 - Medical relevant incidental findings after Polytrauma-CT scan - Is the radiation exposure justified?
O. Özkurtul, J. Fakler, T. Weber, C. Josten; Leipzig/DE
3. O203 - Injury Severity Score calculation in major trauma patients – Requirements and pitfalls in radiological MSCT report
M. Brumann, T. Kusmenkov, K.G. Kanz, F. Berger, W. Mutschler, V. Bogner; Munich/DE
4. O204 - Is CT scan the tunnel of death in most severely injured trauma victims?
A. Shiraishi¹, K. Nakatsutsumi², Y. Otomo²; ¹Tokyo/JP, ²Bunkyo/JP
5. O205 - Trimodal pattern of deaths after trauma: revisited
B. Sangthong¹, O. Akaraborworn¹, K. Thongkhao¹, C. Supavita¹, J. Sangtong¹, P. Chainiramol¹, K. Kaewsaengrueang¹, R. Sangthong²; ¹Hatyai Songkhla/TH, ²Hat-Yai/TH
6. O206 - Emergency Trauma score as a predictor of mortality in clinical practice.
A. Fischinger, M. Tomažević, M. Cimerman, A. Kristan; Ljubljana/SI
7. O207 - Preventable or Potentially Preventable Trauma Deaths: A Challenge for Trauma Care System
O. Akaraborworn, K. Thongkhao, C. Supavita, J. Sangtong, P. Chainiramol, K. Kaewsaengrueang, R. Sangthong, B. Sangthong; Hat-Yai/TH
8. O208 - Choice of Injury Scoring System to Predict Mortality at an Urban Trauma Center in Mumbai, India
A. Laytin¹, V. Kumar², C. Juillard¹, R. Dicker¹, N. Roy²; ¹San Francisco, CA/US, ²Mumbai/IN
9. O209 - Aggressive operative treatment of isolated blunt traumatic brain injury in the elderly leads to favourable outcome
S. Wutzler¹, R. Lefering², A. Wafaisade², M. Maegele², F. Walcher¹, H. Wyen¹, I. Marzi¹, H. Laurer¹; ¹Frankfurt/DE, ²Cologne/DE
10. O210 - Trauma Registries--Creating them from pre-existing administrative databases
M. Kesinger¹, L. Nagy¹, E. Etchill¹, D. Sequira¹, A. Rubiano², J. Puyana¹; ¹Pittsburgh, PA/US, ²Neiva/CO
11. O211 - Trauma Registry Comparison: Survival of unconscious trauma patients in Southern Finland and Germany
T. Brinck¹, R. Raj¹, M. Skrifvars¹, R. Kivisaari¹, J. Siironen¹, R. Lefering², L. Handolin¹;

- ¹Helsinki/FI, ²Cologne/DE
12. O212 - The Clinical and Economic Benefits of the Centralization and Creation of an Emergency General Surgery Unit in the UK
N. Misra¹, R. Wetherburn¹, J. Jensen², R. Ward¹; ¹Liverpool/UK, ²AI/UK

16:00 – 17:30

Spektrum 1

Free Paper Session - Visceral Trauma, Abdominal Trauma, Thoracic Trauma, Vascular Trauma

New diagnostic procedures in trauma

Chairs: J. Verbruggen, Maastricht; P. Wendsche, Brno

- O213 - Novel Scoring System for Prediction of Early Trauma Coagulopathy: Traumatic Coagulopathy Predictions Score (TCP Score)
T. Ogura¹, M. Nakano¹, M. Nakamura¹, K. Fujizuka¹, Y. Izawa²; ¹Maebashi/JK, ²Shimotsuke/JK
- O214 - "Isolated" Greater Trochanteric Fractures - Are they Really?
E. Rees, F. Wotton, P. Sankaye, A. Sahu, S. Suresh, A. Gafoor; Plymouth/UK
- O215 - Who needs an expert? A tool for optimal triage of general surgical patients in the Emergency Department
L. Evans, V. Sankaran, J. Evans; Norwich/UK
- O216 - Implementation of the NEXUS criteria in a general hospital in the Netherlands: a retrospective analysis
A. Prins, A. Koleva, S. Groen, J. ten Brinke, M. Hogervorst; Apeldoorn/NL
- O217 - Predictors of a positive subxiphoid pericardial window in patients with penetrating injuries to the precordial region
A. GARCIA¹, A. SANCHEZ¹, M. ATEORTUA¹, J. Puyana²; ¹Cali/CO, ²Pittsburgh, PA/US
- O218 - Initial Lactate Levels in Patients with Isolated Penetrating Extremity Trauma
I. Folkert¹, C. Sims¹, J. Pascual², S. Allen², P. Kim², D. Holena¹; ¹Philadelphia, PA/US, ²Philadelphia/US
- O219 - Post-mortem radiology versus classical autopsy in trauma victims – A systematic review of injuries per body region.
H. Jalalzadeh, G. Giannakopoulos, W. Zuidema; Amsterdam/NL
- O220 - Diagnostic dilemma of Diagnosing Occult Scaphoid Fractures: A Debate on Best Imaging Modality with Current Review of Literature.
A. Sahu, S. Unwin-Gold, F. Wotton, P. Sankaye, A. Gafoor, S. Suresh; Plymouth/UK

16:00 – 17:30

Spektrum 2

Keynote Session - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Experimental Trauma Research

Chairs: S. Bahrami, Vienna; M. Lehnert, Frankfurt

- Keynote: Experimental Model for Trauma Research**
S. Bahrami, Vienna
- O221 - Regenerating the anterior cruciate ligament using a silk-fiber based scaffold device
A. Teuschl, S. Nürnberger, P. Heimel, P. Szomolanyi, S. Trattnig, H. Redl, T. Nau; Vienna/AT
- O222 - The influence of negative pressure wound therapy with and without instillation technique on neoangiogenesis in wound healing: a swine study and first results in human wound healing with osteomyelitis
G. Jukema¹, M. Timmers², D. Mihic-Probst¹, J. von der Thusen³, H. Simmen¹; ¹Zürich/CH, ²Lelystad/NL, ³Den Haag/NL
- O223 - Measurement of serum lactate accurately predicts mortality in patients with pelvic fracture.
S. Yoshikawa¹, A. Shiraishi², M. Kojima², T. Shoko¹, Y. Otomo²; ¹Matsudo/JP, ²Tokyo/JP
- O224 - Cytotoxicity evaluation of the solutions Chlorhexidine concentrations from 2.5% to 5% and the indication of surgical prophylaxis

6. C. Cruz¹, W. Liberato¹, M.T. Kalil², M. Kalil³; ¹Rio De Janeiro/BR, ²Niteroi/BR, ³Niterói/BR
O225 - Low Level Light by LED promotes healing processes in a skin flap model in rats
P. Dungal, J. Hartinger, H. Redl, R. Mittermayr; Vienna/AT
7. O226 - Iron-mediated injury of mitochondria is attenuated by nitrite
P. Dungal, M. Perlinger, A. Weidinger, H. Redl, A. Kozlov; Vienna/AT
8. O227 - Towards splenic modeling in trauma: mechanical behaviour of human spleen in compression experimental tests.
S. anne sophie, Marseille/FR
9. O228 - Impact of focal brain cooling on Aquaporin-4 level in mouse model of posttraumatic decompressive craniectomy.
J. Szczygielski¹, A. Mautes¹, A. Müller¹, C. Glameanu¹, M. Klotz², K. Schäfer², C. Sippl¹, K. Schwerdtfeger¹, W. Steudel¹, J. Oertel¹; ¹Homburg / Saar/DE, ²Zweibrücken/DE

Tuesday, May 27, 2014**08:00 - 10:00****Harmonie**

ILC SBAIT - Military and Disaster Surgery, Education, Miscellaneous

Preparing and attending mass events

Chair: G. Fraga, Campinas; I. Ashkenazi, Hadera

1. World Soccer Cup Mania
T. De Campos, Sao Paulo
2. Pre hospital system in mass events
S. Scarpelini, Riberão Preto
3. Mass casualty victims triage to trauma center care
J.M.S. Rodrigues, Sorocaba
4. Telemedicine helping care to mass casualty victims from nightclub fire in Brazil
G. Fraga, Campinas
5. Canadian train disaster
T. Razek, Montreal
6. Resuscitation of explosion victims in civilian setting; pitfalls.
I. Ashkenazi, Hadera

08:00 - 10:00**Fantasia**

Free Paper Session - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Elbow and Forearm Fractures

Chairs: K. Sommer, Chur; R. Zivanovic, Nis

1. O229 - Management of Comminuted Olecranon and Proximal Ulna Fractures Using an Anatomical, Precontoured Plate
R. Jeavons¹, D. Ryan¹, D. Burton¹, J. McVie²; ¹Darlington/UK, ²Middlesbrough/UK
2. O230 - Floating elbow: our experience.
V. Jiménez, I. Auñón, A. Toro-Ibarguen, M. Aroca, D. Cecilia, V. Rodríguez, P. Caba-Doussoux; Madrid/ES
3. O231 - Five-year results of total elbow arthroplasty as treatment of complex injuries of the elbow in elderly patients
L. Becker, K. Schmidt-Horlohé, H. Rudolph, Y. Kim, R. Hoffmann; Frankfurt Am Main/DE
4. O232 - No difference in complications, functional and radiographic outcomes between dorsal or volar plate fixation of the distal radius
D. Disseldorp, P. Brink, M. Poeze, P. Hannemann; Maastricht/NL
5. O233 - Patient Reported Outcome Measures Following Internal Fixation Of Distal Radius Fractures.
D. Ryan¹, R. Jeavons², H. Thirkettle², J. Auyeung²; ¹Darlington/UK, ²Durham/UK
6. O234 - Surgery versus cast immobilization for distal radius fractures in elderly patients
C. Bartl, P. Gronau, F. Gebhard; Ulm/DE
7. O235 - Functional outcome assessment of patients who have undergone Open Reduction Internal Fixation (ORIF) for Distal Radius Fractures over a 20 month period – A Single Centre Study
C. Lodge, A. Berg, S. Chambers, R. Nanda; Stockton-On-tees/UK
8. O236 - The use of bone grafts is unnecessary in the treatment of malunited distal radius fractures
D. Disseldorp, P. Brink, P. Hannemann, M. Poeze; Maastricht/NL
9. O237 - Determinants of Disability after PIP Sprains or Dislocations
A.G.J. Bot, S. Bekkers, J.H. Herndon, C.S. Mudgal, J.B. Jupiter, D. Ring; Boston/US
10. O238 - Minimally invasive screw fixation of mallet fractures using a special target forceps
B. Braun¹, A. Pizanis¹, C. Braun², T. Pohlemann¹; ¹Homburg/DE, ²Kleve/DE

11. O239 - Intramedullary Osteosynthesis with the XS-nail in Ulna shortening Osteotomy.
W. Friedl, Aschaffenburg/DE

08:00 - 10:00

Illusion 1 + 2

Round Table - World Trauma Congress, Polytrauma, Neurotrauma

Who cares for the trauma patient around the world

Chairs: D. Heim, Frutigen; L. Wallis, Cape Town

1. The English system
C. Moran, Nottingham
2. The Dutch system
R. Breederveld, Beverwijk
3. The Indian system
G. Saurabh, New Delhi
4. Trauma Systems in Africa – Ubuntu applied to injury
T. Hardcastle, Durban
5. The US System
R. Coimbra, San Diego
6. The Japanese System
Y. Otomo, Tokyo

08:00 - 10:00

Illusion 3

Free Paper Session - World Trauma Congress, Polytrauma, Neurotrauma

Socio-Economic Aspects after Trauma

Chairs: V. Vecsei, Vienna; P. Vassiliu, Athens

1. O240 - Teletrauma in Albania – Seeking Solutions for a Challenging National Trauma System
A. Dogjani¹, F. Oildashi¹, E. Dasho¹, L. Shosha¹, R. Latifi²; ¹Tirana/AL, ²Tucson, AZ/US
2. O241 - Socioeconomic Trends of Trauma: An Analysis of Emergency Ward Patients in Yaoundé, Cameroon
S. Kacker¹, D. Bishai¹, G. Etoundi², M. Monono², E. Schneider¹, K. Stevens¹, C. Juillard³;
¹Baltimore, MD/US, ²Yaounde/CM, ³San Francisco, CA/US
3. O242 - Seasonal distribution of clinical coding
N. von Dercks, C. Josten; Leipzig/DE
4. O243 - Assaults Toward Emergency Medicine Physicians In Egypt : Analysis By Demographic Prevalence And Event Characteristics.
T. Montaser, Cairo/EG
5. O244 - Quality of Life, Societal Participation and Fatigue in Polytrauma patients admitted to two Dutch Level I Trauma centers
L. van Rooijen, H. Leijdesdorff, P. Krijnen, I. Schipper; Leiden/NL
6. O245 - A systematic review assessing the impact of the introduction of dedicated emergency surgical services
P. Chana, S. Arora, E. Burns, O. Faiz; London/UK
7. O246 - The Cause and Economic Burden of Emergency Readmissions to an Emergency General Surgery Unit
J. Poonian, C. Machin, R. Ward, N. Misra; Liverpool/UK
8. O247 - Evaluation of the Alvarado Score in Patients who Underwent Surgery for Acute Appendicitis
C.A. Menegozzo, M.V. Cezillo, S. Lin; Sao Paulo/BR
9. O248 - The difficulties of diagnosis and management of acute appendicitis in a rural area hospital
E. Ozkurt¹, İ.Ş. Sarıcı², H. Tanrıverdi¹, M. Kafadar¹, U. Tali¹; ¹Bitlis/TR, ²Osmaniye/TR
10. O249 - Significance of C-reactive protein in diagnosis of appendicitis complications

11. S. Sekulic¹, A. Sekulic-Frkovic¹, A. Milankov²; ¹Gracanica/RS, ²Novi Sad/RS
 O250 - Closure Of Open Abdomen In The Same Admission By Using Component Separation Technique
M. Alhabboubi, M. Elhousseini, F. Hamadani, M. Sudarshan, D. Deckelbaum, T. Razek, S. Iqbal, K. Khwaja; Montreal, QC/CA

08:00 - 10:00

Conclusio

Free Paper Session - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Tibial Injuries

Chairs: P. Biberthaler, Munich; J. Rueger, Hamburg

1. O251 - Are obesity and gender specific risk factors for complications after intramedullary nailing of tibial shaft fractures?
K. Handojo¹, W. Metsemakers¹, P. Reynders², S. Nijs¹; ¹Leuven/BE, ²Brussel/BE
2. O252 - Evidence supporting causal role of intraoperative damage in genesis of anterior knee pain after tibial nailing
A. Jankovic, Z. Korac, N. Bozic; Karlovac/HR
3. O253 - External skeletal fixation as temporary and definitive method in complex proximal and distal tibial fractures treatment
M. Mitkovic, S. Milenkovic, I. Micic, M. Mitkovic; Nis/RS
4. O254 - Comparison of minimally invasive plate versus intramedullary nail fixation in the treatment of distal tibial metaphyseal fractures
F. Say¹, E. İnkaya¹, D. Gürler¹, M. Bülbül²; ¹Samsun/TR, ²İstanbul/TR
5. O255 - Suprapatellar nailing for tibial fractures. New toy waiting for new problems?
P. Reynders¹, C. Dobre²; ¹Brussel/BE, ²Brussels/BE
6. O256 - Intramedullary Nailing vs Plate Osteosynthesis in Tibia Fractures Treatment
A. Kalashnikov¹, G. Gayko¹, V. Malyk²; ¹Kyiv/UA, ²Poltava/UA
7. O257 - The Role of Biplanar Distal Locking in Intramedullary Nailing of Tibial Shaft Fractures
K. Alemdaroglu, S. İltar, A. Öztürk, M. Yucens, E. Gultac, N. Aydogan; Ankara/TR
8. O258 - Do we need retropatellar approach to nail proximal third tibia fractures?
A. Chelnokov¹, D. Bekreev¹, A. Salvi²; ¹Ekaterinburg/RU, ²Chiari Brescia/IT
9. O259 - Treatment of the complex proximal tibial plateau fractures according to the tri-column concept – initial experience
A. Baltov, M. Rashkov, D. Enchev, N. Tzachev; Sofia/BG
10. O260 - Intramedullary nailing of tibial fractures using a suprapatellar approach - first experience
J. Pazour, M. Křivohlávek, R. Lukas; Liberec/CZ
11. O261 - High rate of complications after LCP fixation of the distal tibia fractures type A
D. Enchev, A. Baltov, M. Rashkov, M. Markov; Sofia/BG
12. O262 - Diaphyseal tibial fractures: Risk factors for deep infection and prolonged fracture healing after intramedullary nailing.
W. Metsemakers¹, P. Reynders², K. Handojo¹, S. Nijs¹; ¹Leuven/BE, ²Brussel/BE

08:00 - 10:00

Spektrum 1

Free Paper Session - Visceral Trauma, Abdominal Trauma, Thoracic Trauma, Vascular Trauma

Thoracic Trauma

Chairs: R. Schwab, Koblenz; J. Doucet, San Diego

1. O263 - The unstable thoracic – cage injury: Sternal fracture and concomitant fracture of the thoracic spine
M. Morgenstern, H. Callsen, J. Friederichs, S. Hungerer; Murnau/DE
2. O264 - Penetrating cardiac trauma: does thoracotomy need always to be indicated?
K. Cardoso, B. Pereira, J. Cruvinel Neto, C. Mendes, M. Desiderá, V. Nogueira, O. Petrucci, G. Fraga; Campinas/BR

3. O265 - Role of tube thoracostomy for traumatic occult hemothorax in adults, a systematic review
J. Lampron¹, B. Rechel²; ¹Ottawa, ON/CA, ²London/UK
4. O266 - Sites for needle decompression of tension pneumothorax: Let there be light
J. Samritwilas, N. Kiaranantawat, K. Kaewsangrueang, N. Pruphetkaew, B. Sangthong; Hat-Yai/TH
5. O267 - An Innovative Therapeutic Module For Management Of Pneumothorax; Veress Needle Thoracostomy, Air Control System And Induced Hydrothorax; Proved Superior To The Traditional Modality.
M. Nasr, Manama/BH
6. O268 - Surgical fixation of left posterior rib fractures to avoid catastrophic direct aortic puncture
N. Kaneko, Fukaya/JP
7. O269 - Number of rib fractures in elderly (≥60 years) patients with severe (thoracic AIS >2) chest injury: Does it matter?
T. Söderlund¹, L. Handolin²; ¹Hus/FI, ²Helsinki/FI
8. O270 - Stabilizing flail chest injuries through minimized approaches to the key points of instability using Alexis® Retractor.
S. Schulz-Drost, A. Fichte, P. Opper, S. Grupp, A. Mauerer; Erlangen/DE
9. O271 - Blunt cervical artery injury in the polytrauma patient
C. Weber¹, P. Kobbe¹, T. Dienstknecht¹, K. Horst¹, M. Pishnamaz¹, R. Lefering², R. Sellel¹, H. Pape¹; ¹Aachen/DE, ²Cologne/DE
10. O272 - A tailored protocol in the management of penetrating neck injuries
H. elwan, A. Mostafa, D. Mansour; Cairo/EG

08:00 - 10:00

Spektrum 2

Free Paper Session - World Trauma Congress, Polytrauma, Neurotrauma

Diagnostic Tools - Role of CT and Ultrasound

Chairs: T. Vogl, Frankfurt, M. Zago, Bergamo

1. O273 - The Degree of Accuracy of Computed Tomography in Identifying Abdominal Organ Injuries in Blunt Trauma Patients Who Underwent Emergency Laparotomy
H. ALZAMEL, I. ALZHRANI, O. ALHAMDAN, M. HUSSEIN, M. ALHAMDAN; Riyadh/SA
2. O274 - IVR-CT system in the emergency room improve the survival in the patients with severer blunt trauma who required emergency bleeding control
Y. Yoshikawa, Y. Nakamori, D. Wada, Y. Umemura, N. Nakamoto, T. Kiguchi, H. Matsuda, Y. Nakahori, N. Kubo, A. Matsushima, N. Inadome, S. Fujimi; Osaka/JP
3. O275 - Determination of reliability for CT-scan related scoring techniques in diagnosing DRUJ instability after conservatively treated distal radius fractures.
M. Wijffels, P. Krijnen, W. Stomp, M. Reijnierse, I. Schipper; Leiden/NL
L. Ghazal, C. Green, A. Pollentine, N. Collin; Bristol/UK
5. O277 - Is ultrasound an essential tool for placing central venous lines?
B. Pereira, G. Meirelles, R. Colombari, A. Magnani, B. Redondano, G. Fraga; Campinas/BR
6. O278 - Contrast-enhanced ultrasound for the non-invasive early diagnosis of acute compartment syndrome – development of a method based on perfusion kinetics
G. Achatz, S. Bago, F. Berreth, H. Palm, F. von Lübken, H. Riesner, B. Friemert; Ulm/DE
7. O279 - Emerging Use Of Ultrasound And MRI In Peripheral Nerve Injuries And Disorders
H. Nizami, A. Sahu, H. Barber, S. Unwin-Gold, D. Gay, A. Gafoor; Plymouth/UK
8. O280 - Focused Assessment Sonography for Trauma (FAST) Training: A Systematic Review
A. Mohammad, A. Hefny, F. Abu-Zidan; Alain/AE

10:30 – 12:00**Harmonie**

ILC - Emergency Surgery, Acute Care Surgery, Surgical Intensive Care

Bleeding Control in Trauma

Chairs: D. Trunkey, Portland; R. Komadina, Celje

1. Intraoperative Maneuvers and Tricks to control massive bleeding: solid organs.
M. Rotondo, Greenville
2. Intraoperative Maneuvers and Tricks to control massive bleeding: vascular injuries
D. Trunkey, Portland
3. Options for Angioembolisation
Th. Vogl, Frankfurt
4. A systematic approach for pelvic bleeding.
I. Marzi, Frankfurt
5. Optimizing clotting in Trauma: 1:1:1 or goal directed therapy?
M. Maegele, Cologne

10:30 – 12:00**Fantasie**

Guest Symposium EFFORT - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Posttraumatic Joint Replacement

Chairs: U. Stöckle, Tübingen; T. Bégué, Paris

1. THR after acetabular osteosynthesis – what is important?
G. Ochs, Tübingen
2. Hemiarthroplasty or inverse prothesis after failed proximal humerus fixation?
S. Nijs, Leuven
3. Hemi- or total elbow replacement after failed distal humerus fixation?
L.P. Müller, Cologne
4. TKR for post-traumatic arthrosis – what is important?
G. Macheras, Athens

10:30 – 12:00**Illusion 1 + 2**

ILC Australasian Trauma Society - World Trauma Congress, Polytrauma, Neurotrauma

New developments in trauma care

Chairs: T. Joseph, Sydney M. Parr, Sydney

1. Trauma Care: How good can you get?
M. Parr, Sydney
2. The Red Blanket: a protocol for improving ER to OR Transfer of non-responding shocked trauma patients
M. Muller, Brisbane
3. The future of Trauma Nursing
A. Jackson, Sydney
4. The tertiary survey by Trauma Nurses is both reliable and accurate
M. Handy, Geebung
5. Pitfalls in trauma resuscitation and how to avoid them
T. Joseph, Sydney

10:30 – 12:00**Illusion 3**

ILC - Visceral Trauma, Abdominal Trauma, Thoracic Trauma, Vascular Trauma

Interdisciplinary Management of Thoracic Trauma

Chairs: A. Markewitz, Koblenz; J. Asensio, Valhalla

1. Diagnostic Procedures
H. Wutzler, Frankfurt
2. Blunt thoracic Trauma
J. Asensio, Valhalla
3. Major Vascular Injuries
S. Debus, Kiel
4. Heart Injuries
A. Moritz, Frankfurt
5. Thoracic trauma in austere environments
R. Schwab, Koblenz

10:30 – 12:00**Conclusio**

Keynote Session - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Advances in Biomechanical Research

Chairs: H. Eckardt, Copenhagen; I. Gavrankapetanovic, Sarajevo

1. **Keynote: New Modalities in the treatment of calcaneal fractures**
H. Eckardt, Copenhagen
2. O281 - Microcirculation of the healthy hindfoot. A proband-study from the perspective of the surgical approach.
J. Carow, G. Gradl, F. Hildebrand, H. Andruszkow, H. Pape, M. Knobe; Aachen/DE
3. O282 - Does a large lateral talar process excision influence ankle and hindfoot stability? A biomechanical study in a human cadaveric model
A. Sands¹, C. White², M. Blankstein², I. Zderic², M. Ernst², M. Windolf², R.G. Richards², B. Gueorguiev²; ¹New York/US, ²Davos/CH
4. O283 - Femoral neck fractures can be fixed better with cannulated screws applying the novel technique for biplane double-supported screw fixation. A biomechanical study
O. Filipov¹, M. Ernst², B. Gueorguiev²; ¹Sofia/BG, ²Davos/CH
5. O284 - Is locked lateral plating biomechanically superior to conventional plate fixation in the proximal phalanx?
M. Ernst, S. Kanthan, D. Wahl, M. Windolf, B. Gueorguiev; Davos Platz/CH
6. O285 - Rotationally Stable Screw-Anchor with Trochanteric Stabilization Plate (RoSA/TSP) versus Proximal Femoral Nail Antirotation (PFNA) in Unstable Trochanteric Femur Fractures: A Biomechanical Evaluation
M. Knobe¹, G. Gradl¹, K. Maier², P. Nagel¹, H. Andruszkow¹, F. Hildebrand¹, H. Pape¹; ¹Aachen/DE, ²Bad Aibling/DE
7. O286 - Prophylactic reinforcement of the porotic proximal femur. A systematic approach to find a valid solution.
D. Widmer¹, L. Hofmann-Fliri¹, E. Zweifel¹, M. Blankstein¹, B. Gueorguiev-Rüegg¹, M. Blauth², M. Windolf¹; ¹Davos Platz/CH, ²Innsbruck/AT
8. O287 - Influence of early postoperative mobilization on the fixation of cemented and non-cemented pedicle screws: A biomechanical human cadaveric study
M. Pishnamaz, H. Lange, T. Dienstknecht, T. Gerhard, H. Pape, P. Kobbe; Aachen/DE
9. O288 - Opioid Use, Pain Intensity, and Satisfaction with Pain Relief After Fracture Surgery
A.G.J. Bot, S. Bekkers, P.M. Arnstein, R.M. Smith, D. Ring; Boston, MA/US

10:30 – 12:00

Spektrum 1

Keynote Session - World Trauma Congress, Polytrauma, Neurotrauma

Pediatric Trauma

Chairs: U. Rolle, S. Berger, Berne

1. **Keynote: Pediatric trauma care in Switzerland: long bone: conservative or operative**
S. Berger, Berne
2. O289 - Re-implantation of ischemic small bowel in a pediatric multiply- injured patient
Y. Mnouskin, I. Melnik, B. Yoffe; Ashkelon/IL
3. O290 - Treatment of Pediatric Diaphyseal Femur Fracture by Titanium Elastic Nail: Radiological and Clinical Evaluation
M. YURTGÜN, M. Karalezli; Konya/TR
4. O291 - Treatment of femoral shaft fractures of children age six months to five years in four major German pediatric surgery trauma centres
M. Rapp¹, F. Grauel², M. Kaiser³, C. Gielok⁴, J. Lindert³, P. Illing¹; ¹Kassel/DE, ²Berlin/DE, ³Lübeck/DE, ⁴München/DE
5. O292 - Open femoral fractures in children
R. Tomaszewski, A. Gap, J. Kler, K. Pethe, B. Ślezak; Katowice/PL
6. O293 - Rib fractures: comparison of associated injuries between pediatric and adults population.
B. Kessel¹, F. Swaid², J. Dagan¹, I. Ashkenazi¹, K. Peleg³, R. Alfici¹; ¹Hadera/IL, ²Haifa/IL, ³Ramat Gan/IL
7. O294 - Comparison of two outcome measures in assessing Paediatric Trauma Team Activation appropriateness
S. Bressan, K. Franklin, H. Jowett, S. King, E. Oakley, C. Palmer; Parkville (melbourne), VIC/AU
8. O295 - Assessing Trauma Management Record Use in a Paediatric Trauma Centre
C. Palmer, S. Bressan, H. Jowett, S. King, E. Oakley; Parkville (melbourne), VIC/AU
9. O296 - Prevention of infectious complications in pediatric patients with blunt splenic injury
M. Teuben, R. Spijkerman, T.J. Blokhuis, W. Kramer, L. Leenen; Utrecht/NL

10:30 – 12:00

Spektrum 2

Best Poster Session

Chair: H. Kurihara, Rozzano; L. Leenen, Utrecht

10:30 – 12:00

Poster Area – Level C3

Poster Session

Skeletal Trauma Upper Extremity

Chair: S. Njts, Leuven

1. P191 - Limits of salvage in severe extremity injuries
S. Frenyo, D. Tihanyi, P. Balázs; Budapest/HU
2. P192 - Infected open femoral fracture in polytrauma patient treated with BonyPid- Case Presentation
O. LUPESCU, M. NAGEA, C. PATRU; Bucharest/RO
3. P193 - Surgical treatment of a variant Monteggia fracture in a child; a case report
C. Meijs, S. Kleinveld, F. van der Heijden; Tilburg/NL
4. P194 - Bilateral ankle fracture: a case report
F. Boschi, G. Bassi, P. Gervaso, A. Soldini, M. Strani; Voghera/IT
5. P195 - Hinged External Fixation vs. Cross Pinning of the Elbow for Acute and Subacute instability
D. Ring¹, W. Bruinsma², J.B. Jupiter¹; ¹Boston/US, ²Amsterdam/NL
6. P196 - Closed Reduction and Kirschner Wire Fixation in the Treatment of Intra-articular

- Fractures of the Base of the Fifth Metacarpal
T. Kurtulmus, N. saglam, G. saka, C. avci, U. ozturk, H. koca; Istanbul/TR
7. P197 - Closed Reduction and Kirschner Wire Fixation in the Treatment of Bennett's Fractures of the Base of the First Metacarpal
T. Kurtulmus, N. saglam, G. saka, C. avci, U. ozturk, H. koca; Istanbul/TR
8. P198 - Pitfalls for the treatment of impalement injuries of the hands
M. Kuroyanagi, H. Minehara, M. Nemoto, K. Kumazawa, A. Takeda; Sagamihara/JP
9. P199 - Influence of monodirectional and multidirectional angular Stability on Deformation and Cut Out of proximal Humerus Osteotomies
W. Friedl, Aschaffenburg/DE
10. P200 - Distal humerus fractures - classification, treatment
M. Reska, J. Konecny, M. Kabela, J. Ciernik, J. Vopelka; Brno/CZ
11. P201 - COMPLICATION OF TREATMENT OF FRACTURE OF SHAFT OF HUMERUS
B. Gadalla, Bengazi/LY
12. P202 - Nonunion after bundle nailing of diaphyseal humerus fractures in sexagenarians
P. Obruba, L. Kopp; Ústí Nad Labem/CZ
13. P203 - Bridging external fixation for displaced and unstable distal radial fractures: a 6 month follow up study of 26 patients
G. Frankić, A. Bandalović, M. Frankić, S. Stojanović Stipić; Split/HR
14. P204 - Interpretation of pre- and postoperative X-rays in displaced intra-articular distal radius fractures after fixations using volar locking plates are insufficient in the majority of cases.
M. Moojen, J. Keizer, J. Hoogendoorn, S. Rhemrev, S. Meylaerts; Den Haag/NL
15. P205 - AC dislocation - CRPF or ORIF
M. Forman, M. Carda, D. Kusy; Pardubice/CZ

10:30 – 12:00

Poster Area – Level C3

Poster Session

Visceral Trauma II

Chair: C. Mesquita, Coimbra

1. P206 - Delayed Hepatectomy after major Liver Trauma.
S. Koulas¹, N. Zikos¹, G. Athanasiou¹, A. Paxinos², G. Chondrogiannis², I. Tsimogiannis¹; ¹Ioannina/GR, ²Filiates/GR
2. P207 - Splenectomy after explosive injury to stomach, Implantation pieces spleen in great omentum ,Status after 18 Years
Z. Rajković F.I.C.S., Zabok/HR
3. P208 - Use of Sengstaken-Blackmore balloon (SBB) in penetrating hepatic trauma – a case report
C. Mendes, B. Pereira, M. Desiderá, M. Mantovani, T. Calderan, R. Oliveira, C. Carmona, E. HIRANO, G. Fraga; Campinas/BR
4. P209 - Damage control surgery in trauma patients
F. Vyhnanek, Prague/CZ
5. P210 - Blunt abdominal trauma with renal injury
M. Torba, A. Gjata, S. Buci, R. Madani, E. Faber, K. Subashi; Tirana/AL
6. P211 - Experience with renal trauma at a major trauma centre in the UK
M. McPhee, R. Day, R. DasGupta; London/UK
7. P212 - Esophageal perforation secondary to blunt thoracic trauma: a rare injury
P. Christopoulos, S. Kapoulas, G. Chatzimavroudis, K. Psaralexis, G. Papadakis, T. Kaltsikis, S. Kalaitzis, I. Makris; Thessaloniki/GR
8. P213 - Renal artery pseudoaneurysm secondary to blunt trauma
T. sakamoto, T. Kubota; Chiba/JP
9. P214 - Chilliaditi's Syndrome is Misdiagnosed Peptic Ulcus Perforation
O. Engin, E. Akincilar, O. Birgi, E. Unluturk; Izmir/TR
10. P215 - And now? Superior Mesenteric Vein Injury. Case Review.

- F. Botelho Filho, J. Castro, J. Fernandes, D.A. Drumond, S. Starling, M.H. Costa, H. Pinto, J.B. Candido Junior; Belo Horizonte/BR
11. P216 - Acute thrombosis of an abdominal aortic aneurysm followed by direct abdominal trauma: a case report
Y.S. Yoo, S. Mun; Gwangju/KR
12. P217 - Carotid artery dissection after road traffic accident : A diagnostic challenge in Emergency Medicine – 2 case reports
O. Cristiu, M. Mulroy, N. O'Connor; Drogheda/IE

10:30 – 12:00

Poster Area – Level C3

Poster Session

Quality in Trauma Care III

Chair: J. Doucet, San Diego

1. P217A - A Questionnaire for the Assessment of Pruritus in Burn Patients.
M. MARTÍNEZ-JIMÉNEZ¹, J. GARCIA-PEREZ², R. VALDES-CASTILLO³, D. ALONSO-DÁVILA³, E. NEUMANN-GUERRA¹, J. SÁNCHEZ-AGUILAR¹; ¹San Luis Potosí/MX, ²Veracruz/MX, ³San Luis Potosí/MX
2. P218 - The effectiveness of regionalization of trauma care, a systematic review
Y. Vali, A. Rashidian, M. Jalili, A. Omidvari; Tehran/IR
3. P219 - Impact of trauma activation in the management of major trauma patients who underwent exploratory laparotomy: A comparative analysis of before and after the trauma activation
Y.S. Yoo, S. Mun; Gwangju/KR
4. P220 - Mortality of the severely injured patient with DCS hasn't improved in Japan.
K. hondo, A. Shiraishi, F. Saida, Y. Otomo; Tokyo/JP
5. P221 - Laparotomy after Intra-aorta balloon occlusion (IABO) is hazardous in patients with severe abdominal trauma: A report from Japan Trauma Data Bank
K. Haruta¹, A. Shiraishi², A. Yoshiyuki², Y. Otomo²; ¹Shizuoka-City/JP, ²Tokyo/JP
6. P222 - The promptness of the first doctor visit and surgical operations for patients in the emergency department of Hilla teaching hospital
A. ALBAZZAZ, A. albazzaz; Hilla/IQ

10:30 – 12:00

Poster Area – Level C3

Poster Session

Bleeding Control II

Chair: L. Wallis, Wellington

1. P223 - Internal Iliac artery ligation (IIAL): Continuing experience on a life-saving surgical maneuver
P. Ioannides, G. Liagos, A. Angelis, A. Raptis, D. Tsiftsis; Nikaia/GR
2. P224 - A Meta-Analysis To Determine The Effect Of Coagulopathy On Intracranial Haematoma Progression In Patients With Blunt head Trauma
M. Nasir, J. Batchelor, O. Jibuike; Manchester/UK
3. P225 - Frequency and relevance of inherited thrombophilia in prophylaxis of venous thromboembolism in combat casualties with extremity wounds and amputations.
K. Nikolaev¹, A. Koltovich¹, V. Zubritskiy¹, S. Kapustin²; ¹Moscow/RU, ²St. Petersburg/RU
4. P226 - A preclinical model of Acute Traumatic Coagulopathy: What happens in the first hour?
M. Guerreiro, J. Tremoleda, C. Thiemermann, K. Brohi; London/UK
5. P227 - Alpha-enolase, a glycolytic enzyme elevated in hemorrhagic shock, potentiates t-PA mediated fibrinolysis
E. Gonzalez¹, E. Moore¹, H. Moore², M. Chapman², T. Chin², C.C. Silliman¹, A. Banerjee²; ¹Denver, CO/US, ²Aurora, CO/US

6. P228 - The anticoagulatory effects of dabigatran in a trauma experimental pig model can be reversed with prothrombin complex concentrates and a specific antidote (aDabi-Fab)
O. Grottko¹, J. van Ryn², H. Spronk³, R. Rossaint¹; ¹Aachen/DE, ²Biberach/DE, ³Maastricht/NL
7. P229 - Delayed onset of circulatory shock in a case of multiple trauma
K. Takahashi, Y. Kawamura, T. Tsukahara, T. Koike, K. Matsumori, T. Otsuka, T. Doi, Y. Fujiwara, J. Matsumoto, J. Ishikawa, N. Harunari, K. Nakamura, N. Morimura; Yokohama/JF
8. P230 - Fatal thrombembolism in a Fondaparinux prophylacted obese patient: do we need a weight adapted dose? A case report.
P. Waschk, S. Schneider, J. Böhme, C. Josten; Leipzig/DE
9. P231 - A thromboelastometric evaluation of the characteristics of trauma induced coagulopathy with lower fibrinogen level: a retrospective study
H. Koami, Y. Sakamoto, K. Yamada, H. Imahase, Y. Nishimura, T. Yamashita, A. Nakashima, T. Iwamura, S. Inoue; Saga City/JF
10. P232 - Effectiveness of Hemostatic Agents in a Heparinized Porcine Hepatic Abrasion Model to Reduce Intraoperative Bleeding
K. Lewis¹, H. Atlee¹, A. Mannone¹, L. Lin¹, A. Goppelt²; ¹Deerfield, IL/US, ²Vienna/AT
11. P233 - The Maturation of a Massive Transfusion Protocol Reduces Early Mortalities from Massive Traumatic Blood Loss: The Qatar Experience
R. Peralta¹, A. Vijay¹, R. Consunji MD MPH¹, A. El-Menyar¹, A. Parchani¹, H. Abdulrahman¹, A. Zarour¹, H. Al-Thani¹, R. Latifi²; ¹Doha/QA, ²Tucson, AZ/US
12. P233A - Efficacy of New Chitosan Dressings on Acute Arterial Hemostasis
J. Cherng¹, D. Wang¹, T. Tsao², N. Wei², Y. Kuo², H. Liu², A. Tsao³, Y. Wang⁴; ¹Taipei/TW, ²New Taipei/TW, ³Cleveland, OH/US, ⁴Hsin-Chu/TW

12:00 – 12:12**Harmonie**

12-to-12 Lecture

Current challenges of acute volume resuscitation

R. Maier, Seattle

12:00 – 12:12**Fantasie**

12-to-12 Lecture

HIV-infection prevention for surgeons

S. Wicker, Frankfurt

12:00 – 12:12**Illusion 1 + 2**

12-to-12 Lecture

Improving the Care of the Injured – consequences after the first World Congress

G. Fraga, Sao Paolo

12:00 – 12:12**Illusion 3**

12-to-12 Lecture

How to get clinical studies in surgery running

E. Neugebauer, Cologne

12:30 – 13:30**Spektrum 1**

EJTES Meeting

14:00 – 15:30**Harmonie**

ILC - Emergency Surgery, Acute Care Surgery, Surgical Intensive Care

Prevention and Management of Complications in Emergency Surgery

Chairs: J. Tilsed, Beverley; T. Gaarder, Oslo

1. How to avoid surgical complications: learning from mistakes
F. Al-Ayoubi, Abu Dhabi
2. Surgical ego and the neglected complication
T. Gaarder, Oslo
3. Anastomotic breakdown: therapeutic options
H. Yanar, Istanbul
4. Patient safety in surgery
W. Mutschler, Munich
5. Massive abdominal hernias after damage control: how to fix them?
T. Fabian, Memphis

14:00 – 15:30**Fantasie**

ILC - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Complex joint lesions of the lower extremity

Chairs: H. Eckhardt, Copenhagen; V. Bühren, Murnau

1. Joint fractures – arthroscopic options
E. Geiger, Frankfurt
2. Joint fractures – open requirements
D. Heim, Frutigen
3. Knee luxations
S. Kohl, Berne
4. Reconstruction or prosthesis
G. Hofmann, Jena
5. Bone defect management: synthetic material
J. Rüger, Hamburg

14:00 – 15:30**Illusion 1 + 2**

ILC IATSIC - World Trauma Congress, Polytrauma, Neurotrauma

Trauma nightmares and changes in management

Chairs: E. E. Moore, Denver; R. Maier, Seattle

1. Pulmonary injuries
E.E. Moore, Denver
2. Traumatic Liver Injury: Life saving procedures
T. Hardcastle, Durban
3. Complex hepatic injuries, role of ligation
D. Castaing, Paris
4. Subclavian injuries
D. Trunkey, Portland
5. Esophageal injuries
R. Latifi, Arizona
6. Penetrating anorectal injury
R. Maier, Seattle

14:00 – 15:30**Illusion 3**

Round Table - World Trauma Congress, Polytrauma, Neurotrauma

Detection and Management of Complications in Polytrauma Care

Chairs: K. Jauch, Munich; R. Hoffmann, Frankfurt

1. Incidental findings during Trauma-Scan and how to deal with them
M. Rüsseler, Frankfurt
2. Bacterial and Viral Complications after polytrauma: what to do?
T. Joseph, Sydney
3. Is re-intubation a major morbidity in the ICU?
J. Doucet, San Diego
4. Timing of follow-up operations after initial damage control: which parameters have been proven useful to decide?
H. C. Pape, Aachen

14:00 – 15:30**Conclusio**

Guest Symposium EMN - World Trauma Congress, Polytrauma, Neurotrauma

Special aspects of Neurotrauma

Chairs: J.-L. Truelle, Paris; W.-I. Steudel, Homburg

1. Epidemiology and prevention of Traumatic Brain Injuries in Europe: New Trends
W.I. Steudel, Homburg
2. Damage control strategies: How to use and prioritize?
T. Fabian, Memphis
3. 15 years experience of a single spine center on complications in cervical spine trauma
T. Pitzen, Karlsbad-Langensteinbach
4. Robots in neurorehabilitation
V. Klamroth, Zurich
5. Principles applicable to TBI neurorehabilitation
J.L. Truelle, Paris

14:00 – 15:30**Spektrum 1**

Free Paper Session - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Shoulder Injuries

Chairs: Chairs: N. Südkamp; Freiburg; A. Hofmann, Mainz

1. O297 - Risk stratification by clavicular fracture in polytrauma patients – results of 46.565 patients
K. Horst¹, R. Lefering², R. Pfeifer¹, C. Weber¹, H. Andruszkow¹, F. Hildebrand¹, H. Pape¹;
¹Aachen/DE, ²Cologne/DE
2. O298 - Minimal invasive plate osteosynthesis in midshaft clavicle fractures
P. Kornherr, Wiesbaden/DE
3. O299 - Early Outcomes of an Operative 1st Time Shoulder Dislocator Service
D. Ryan, R. Jeavons, N. Patel, B. Fourie, D. Burton; Darlington/UK
4. O299A - Original Technique of Intramedullary Osteosynthesis of Clavicle Midshaft Fractures
M. Was, W. Lachowicz, A. Jover Mendiola; Torrevieja/ES
5. O300 - CT bone database: Plate-Bone-fitting of a novel Clavicle-Plate compared to individually bended reconstruction plates
G. Heinrichs, A. Schulz, E. Wilde, S. Hillbricht, A. Paech; Luebeck/DE
6. O301 - A prospective MRI assessment of the ligament consolidation after arthroscopic stabilization of the acute ACJ-separation Rockwood III-V with double TightRope
T. Stein, S. Jobmann, J. Buckup, R. Hoffmann, F. Welsch; Frankfurt Am Main/DE

7. O302 - Short term results of plate fixation versus intramedullary fixation for dislocated midshaft clavicle fractures: a randomized controlled trial.
O. van der Meijden¹, R. Houwert¹, M. Hulsmans¹, F. Wijdicks¹, M. van Heijl¹, M. Dijkgraaf², M. Verhofstad³, S. Meylaerts⁴, E. Hammacher⁵, E.J. Verleisdonk¹; ¹Utrecht/NL, ²Amsterdam/NL, ³Rotterdam/NL, ⁴Den Haag/NL, ⁵Nieuwegein/NL

14:00 – 15:30

Spektrum 2

Free Paper Session - World Trauma Congress, Polytrauma, Neurotrauma

Polytrauma- Clinical Studies

Chairs: F. Hildebrand, Aachen; B. Bouillon, Cologne

1. O303 - Outcomes and protocols for NOM of hepatic and splenic injuries after 10 years of experience at Cesena Trauma Center
P. Ruscelli, F. Buccoliero; Cesena/IT
2. O304 - Mortality from Trauma in Albania: A Retrospective Study of 1397 patients
L. MANO¹, R. Latifi², S. Osmani¹, A. Dogjani¹, M. Xhaferi¹; ¹Tirana/AL, ²Tucson, AZ/US
3. O305 - Impact of an urgent resuscitative surgery for severe torso trauma patients
H. Matsumoto, Y. Hara, T. Yagi, K. Hayashida, K. Mashiko, N. Saito, H. Iida, T. Motomura, T. Miki, H. Yasumatsu, D. Kameyama, A. Hirabayashi, Y. Hattori, Y. Konda, K. Mashiko; Inzai/JP
4. O306 - Accuracy of the field triage protocol in selecting severely injured patients after high energy trauma
J. van Laarhoven¹, K. Lansink², M. van Heijl¹, R. Lichtveld³, L. Leenen¹; ¹Utrecht/NL, ²Tilbrug/NL, ³Bilthoven/NL
5. O307 - Associated thoracic injury in patients with a clavicle fracture: an analysis of 1534 polytrauma patients
J. van Laarhoven, S. Ferree, R. Houwert, A. Gunning, F. Hietbrink, E.J. Verleisdonk, L. Leenen; Utrecht/NL
6. O308 - Increasing number of fractured ribs is not predictive of the severity of splenic injury following blunt trauma: an analysis of a National Trauma Registry database
B. Kessel, Hadera/IL
7. O309 - Value of inferior vena cava diameter as predictor of hemodynamic deterioration in severe trauma patients.
C. Rey Valcarcel, R. Franco, M. Cuadrado, M.D. Perez Diaz, L.A. Garcia Martin, M. Molina, F. Turegano; Madrid/ES
8. O310 - Romanian trauma registry- the beginning experience
M. BEURAN, S. Bogdan, S. PAUN, B. Gaspar, I. TANASE, C. TURCULET, I. NEGOI; Bucharest/RO
9. O311 - The Relationship Between Time and Achievements of New Trauma Center and Trauma System Based on ACS/COT Requirements: The Qatar Experience
R. Latifi, H. Al Thani, R. Peralta, A. El-Menyar, H. Abdelrahman, A. Zarour, R. Consunji; Doha/QA
10. O312 - Evaluating trauma center performance: 7 years' experience of a Slovenian trauma centre with TraumaRegister DGU.
D. Brilej, R. Komadina; Celje/SI
11. O313 - Impact of Implementing a Trauma and Acute Care Surgery Service in a Regional Hospital. Cuenca-Ecuador
E. Rodas, J. Salamea, M. Vidal, J. Reinoso, R. Pino, L. Fernandez de Cordova, B. Serrano, G. Valverde, E. Tenesaca; Cuenca/EC

14:00 – 15:30

Poster Area – Level C3

Poster Session

Skeletal Trauma Pelvis and Hip

Chair: J. Verbruggen, Maastricht

1. P234 - Combined pelvic ring and acetabular disruption – experience of a newly established polytrauma department
M.R. Popescu, D. Poenaru, S. Dragusanu, B. Tunesco, B. Anglitoiu, R. Dagla, S. Chiriac, A. Totorean, A. Tiris; Timisoara/RO
2. P235 - Pelvic Circumferential Compression Device Provides Benefits in The Management of Anterior-Posterior Compression type Pelvic Fracture
C.Y. Chien, C.Y. Fu; Taoyuan/TW
3. P236 - Second Neck of Femur Readmissions Following an Index Surgically Treated Neck of Femur Fracture
C. Menakaya, A. Rigby, A. Mohsen; Jz/UK
4. P237 - Excessive telescoping treated with short femoral nail in femoral trochanteric fractures - How to prevent its problem?
K. Ogawa¹, C. Terada¹, R. Konishi¹, S. Itani¹, K. Munetomo¹, T. Noda², Y. Ozaki²; ¹Hiroshima/JP, ²Okayama/JP
5. P237A - Intracapsular Femoral Neck Fractures: Management In Young Patients
U. Abdulmajid, K. ElSorafy, A. Abraham; Leicester/UK
6. P238 - Greater Trochanteric Avulsion Fractures: The role of MRI in deciding conservative versus operative management
E. Rees, A. Sahu, P. Sankaye, S. Suresh, A. Gafoor; Plymouth/UK
7. P239 - Study of the sequential treatment without interval using external fixator and intramedullary nailing of femoral fractures . Results in our experience of 67 cases .
I. Auñon-Martín, A. Toro-Ibarguen, V. Jimenez Díaz, A. Prada-Cañizares; Madrid/ES
8. P240 - Multiple Cannulated Screw Fixation of Femur Neck Fractures in Patients Younger than Sixty Years
G.M. Kong, Busan/KR

14:00 – 15:30

Poster Area – Level C3

Poster Session

Abdominal Emergencies III

Chair: H. Kurihara, Milan

1. P240A - Acute gastric necrosis: a successful case
I. Caldas, T. Ferreira, A. Trovão, R. Almeida, A. Reis, L. Costa, M. Nora; Santa Maria Da Feira/PT
2. P241 - A rare complication of gastric leiomyoma
S. Stabina, I. Ivanovs, V. Fokins, G. Pupelis, V. Saule, A. Kaminskis; Riga/LV
3. P242 - Hidden in the Basement – An Interesting Case of Fournier's Gangrene Secondary to a Benign Retroperitoneal Sigmoid Perforation.
A. PANTELIS, C. IORDANOU, G. DOURIDAS, A. POULOU, G. PAPAIOANNOU, M. VIDALI, I. POUGGOURAS, C. FARAZI-HOGUKI, S. PIERRAKAKIS; Magoula, Athens/GR
4. P243 - Can Pneumatosis Intestinalis constitutes a false indication for surgical operation? Description of a case.
S. Koulas, G. Athanasiou, C. Tsalikidis, D. Tsironis, K. Tepelenis, I. Tsimogiannis; Ioannina/GR
5. P244 - Single incision laparoscopy in treatment of solitary Peutz-Jegher polyp intussusception: case report and review of the literature
M. Pitiakoudis¹, C. Tsalikidis², S. Koulas², F. Siakas², M. Mpillis², K. Simopoulos¹; ¹Alexandroupoli/GR, ²Ioannina/GR
6. P245 - Ascariasis as a Cause of Intestinal Obstruction: a case report from rural area
E. Ozkurt¹, A. Mil²; ¹Bitlis/TR, ²Şanlıurfa/TR

7. P246 - Massive Spontaneous Chest Wall Haematoma: A Rare Case That Needed Urgent Surgical Solution
A. POULOU, C. IORDANOU, A. MICHOPULOU, A. PANTELIS, L. PALIVOS, A. NINOS, G. DOULGERAKIS, S. PIERRAKAKIS; Magoula, Athens/GR
8. P247 - Double strangulation ileus in a mononephrous transplant patient with artificial urinary sphincter
I. TRIANTAFYLLIDIS, A. Bratko, V. Papadopoulos, E. GKOULIOPOULOU, C. Demertzidis; Veria/GR
9. P248 - Extensive pneumatosis intestinalis presenting as a small bowel obstruction with mesenteric torsion: a case report
Y.S. Yoo, S. Mun; Gwangju/KR
10. P249 - Foley Catheter Enterostomy: An alternative to a "floating stoma" in Damage Control Surgery.
D. Julià Bergkvist, J.I. Rodriguez, R. Farrés, N. Gómez Romeu, M. Pujadas, A. Martín, F. Olivet, M.J. Gil, A. Codina-Cazador; Girona/ES
11. P250 - Acute pancreatitis management of patients with chronic renal failure – our experience
P. radu, M. bratucu, D. garofil, C. iorga, C. pasnicu, A. ion, F. popa, V. strambu; Bucharest/RO
12. P251 - Our experience in treatment of firearm and explosive injuries during the postwar period in Kosovo
A. Hamza, A. Mekaj, B. Bicaj, V. Zejnullahu, F. Sada, S. Duci, F. Kavaja, A. Krasniqi; Prishtina/AL
13. P252 - Perforated Meckel's diverticulum presenting with abscess formation in femoral region: A clue in determining content of femoral hernia
R. AKTIMUR, G.O. KUCUK; Samsun/TR
14. P253 - Causes of mortality in elderly that had bowel resection in emergency service in Turkey
M. Moran, Z. Balci, M. Ozmen; Ankara/TR
15. P254 - Effect of antivenom administration and incising removal of venom on Japanese mamushi (pit viper) bite
M. Kimura¹, R. Karashima², Y. Shimokawa¹, N. Taura¹, N. Katayama¹, H. Kanetake¹; ¹Hitoyoshi/JP, ²Kumamoto/JP

14:00 – 15:30

Poster Area – Level C3

Poster Session

Soft Tissue and Research

Chair: J. Frank, Frankfurt

1. P255 - Can immediate intramedullary nailing combined with negative pressure wound therapy (NPWT) be more effective than damage control orthopaedics using external fixation for the patient with severe open long bone fracture? - A case report -
E. Shirasawa, H. Minehara, T. Suzuki, T. Matsuura, T. Kawamura, M. Takaso; Sagamihara/JP
2. P256 - Cost Effective Negative Pressure Dressing On Wound Healing
J. Rodrigues, S. Falari; Panaji/IN
3. P257 - Computer simulation for abdominal seat belt injury
Y. Sakamoto, Saga/JP
4. P258 - Indication and limitation of free bone grafts for giant bone defects
M. uchino, Kitamoto Saitama/JP
5. P259 - The use of S53P4 bioactive glass with open reduction and internal fixation for intra-articular fractures of the calcaneus
I. Gergely, S. Zuh, A. Zazgyva, O. Russu, O. Nagy, T. Pop; Tirgu Mures/RO
6. P260 - Periprosthetic fractures – a mechanical analysis of the main fixation components
M. Lenz¹, S. Perren², B. Gueorguiev-Rüegg², G. Hofmann¹, R.G. Richards², D. Höntzsch³, M. Windolf²; ¹Jena/DE, ²Davos Platz/CH, ³Tübingen/DE

7. P261 - Mechanical Torque Measurement To Assess The Bone Strength Of The Posterior Pelvic Ring In Human Cadavers.
J. Bastian¹, M. Keel¹, R. Schywn², L. Benneker¹; ¹Bern/CH, ²Davos/CH
8. P262 - Hemostatic Efficacy of a Novel, PEG-coated Collagen Patch (HEMOPATCH™) in a Heparinized Porcine Pulmonary Segmentectomy Model
K. Lewis¹, B. Baumgartner¹, E.M. Muchitsch², J. Regenbogen², A. Goppelt²; ¹Deerfield, IL/US, ²Vienna/AT
9. P263 - The predictive value of arterial lactate for early massive transfusion in trauma patients
H. Kim, S. Hong, K. Kyung; Seoul/KR

14:00 – 15:30

Poster Area – Level C3

Poster Session

Pediatric Trauma and Emergencies

Chair: S. Berger, Berne

1. P264 - "THE WHEEL OF FORTUNE"- Case Report of Pediatric Trauma
M. Sá, A. Oliveira, L. Pinheiro; Viseu/PT
2. P265 - Rentgenological prognostic criteria for traumatic brain injury outcomes in children
M. Semen, L. Roshal, J. Semenova, S. Sidorin; Moscow/RU
3. P266 - ICP and mean square deviation of ICP in prognosis of outcomes in severe TBI of children.
J. Semenova, S. Mescherjakov, L. Roshal, V. Lukjanov, O. Karaseva; Moscow/RU
4. P267 - Less is more- Reduction of intraoperative fluoroscopy time to minimize radiation exposure in children with forearm fractures
J. Duhnke, J. Lindert, L. Wünsch; Lübeck/DE
5. P268 - Determination of Child Abuse:What is nursing role?
H. TOSUN¹, D. ŞELİMEN²; ¹Istanbul/TR, ²Istanbul/TR
6. P269 - Go-kart injuries in children: talar fractures
S. Kamphuis, S. Kleinveld, C. Diekerhof, F. van der Heijden; Tilburg/NL
7. P270 - Mid-term results of the elastic intramedullary nailing in the paediatric long bone shaft fractures: A prospective study of 102 cases
I. KARAMAN, M. HALICI, I. KAFADAR, A. GUNEY, M. ONER, K. GURBUZ, Z. KARAMAN; Kayseri/TR
8. P271 - Pediatric Trauma Care in Serbia: Interdisciplinary approach in multiple injured children
D. Zivanovic, Nis/RS
9. P272 - Treatment of cervical spine fractures Halo West method in children and adolescents
B. Slesak, R. Tomaszewski, M. Pyzińska; Katowice/PL
10. P273 - Fractures of tibial tuberosity in adolescents
R. Schürch-Romero, T. Koelbl, A. Dietl, R. Glaab; Aarau/CH
11. P274 - Use Of 'Clinician Concern' Or Mechanism For Trauma Team Activation In A Paediatric Trauma Centre
C. Palmer, K. Franklin, H. Jowett; Parkville (melbourne), VIC/AU
12. P275 - Pre-Hospital Care For Children: Are We Prepared?
E. Escudeiro, A. Escudeiro, R. Escudeiro, G. Escudeiro, E. Escudeiro, C. Bento; Niteroi/BR

14:00 – 15:30**Poster Area – Level C3**

Poster Session

Visceral Trauma III

Chair: W. Cioffi, Providence

1. P276 - Evolution of traumatic hepatic injuries' management in polytrauma patients
G. Rojnoveanu, G. Ghidirim, I. Gagauz, R. Gurghis, V. Gafton, S. Tsintsari, M. Vozian, E. Aneste; Chisinau/MD
2. P277 - The Management of Blunt Liver Trauma
M. Hommes, A. Nicol, P. Navsaria, S. Edu; Cape Town/ZA
3. P278 - Treatment of liver injury
S. Bucj, M. Torba, A. Gjata, R. Madani, K. Subashi; Tirana/AL
4. P279 - The value of angiographic embolisation of hepatic branches flor liver trauma
I. NEGOI, B. STOICA, I. TANASE, S. PAUN, B. Gaspar, A. RUNCANU, L. GULIE, M. BEURAN; Bucharest/RO
5. P280 - A comparison in the outcome of damage control laparotomy and suturing of liver injuries after blunt abdominal trauma
A. albazzaz, Hilla/IQ
6. P281 - Non operative management of blunt hepatic trauma
S. Bucj, A. Gjata, M. Torba, A. Lila, E. Faber, K. Subashi; Tirana/AL
7. P282 - Imagistic assessment of the natural evolution of hemoperitoneum in splenic and hepatic injuries managed nonoperatively
E. Aneste, R. Gurghis, V. Jilin, S. Tsintsari, G. Rojnoveanu; Chisinau/MD
8. P283 - Features prevention of post-traumatic pancreatitis
S. Chooklin, Lviv/UA
9. P284 - Pancreatic Fistula: A Retrospective Study of 50 Cases of Pancreatic Trauma
O. Valderrama, M. Quiodettis, L. Salvatierra Arrieta, S. Monteza Gallardo; Panama/PA
10. P284A - Multidisciplinary management of spleen trauma- French Alpine Trauma Center experience
B. Trilling¹, N. Cristiano¹, J. Abba¹, J. Frandon¹, P. Bouzat¹, F. Thony¹, P. Lavagne¹, C. Arvieux¹, E. GIRARD²; ¹La Tronche/FR, ²Grenoble/FR
11. P285 - Our choices in emergent spleen surgery!
M. Ferreira, S. Neves, T. Teles, I. Dioníso, G. Pastor, A. Lázaro, M. Gomes, C. Gama, P. Ferreira; Covilhã/PT
12. P286 - The choice of nonoperative management in patients with splenic blunt injury
J.Y. Jang, H. Shim, S.H. Lee, J.G. Lee; Seoul/KR

16:00 – 17:30**Harmonie**

ILC Trauma Association of Canada - Visceral Trauma, Abdominal Trauma, Thoracic Trauma, Vascular Trauma

Diagnosing coagulopathy immediately after trauma and the role of fibrinogen in its management

Chairs: S. Rizoli, Montreal; K. Brohi, London

1. Advances in understanding the mechanisms responsible for early trauma coagulopathies
K. Brohi, London
2. Advances in understanding the role of fibrinogen and the role of ROTEM
H. Schöchl, Salzburg
3. Advances in diagnosing early trauma coagulopathies
M. Maegele, Cologne
4. Advances in diagnosis and treatment of early trauma coagulopathy
S. Rizoli, Toronto

16:00 – 17:30

Fantasie

Keynote Session - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Treatment of Acetabular and Pelvic Fractures

Chairs: T. Pohlemann, Homburg; L. Handolin, Helsinki

1. **Keynote: Treatment of Acetabular Fractures with labral tears**
M. Keel, Berne
2. O314 - Pre-operative Planning in Pelvic Fractures
O. LUPESCU, M. NAGEA, G. POPESCU, A. DIMITRIU, M. COLTAN, D. SUCOVESCHI, D. LUPESCU; Bucharest/RO
3. O315 - Limited open reduction of displaced acetabular fractures through a mini-pararectus approach
O. Farouk, A. Kamal, M. Badran, W. El-Adly, K. El-Gafary; Assiut/EG
4. O316 - Comparison of survival and outcome after conservatively or surgically treated osteoporotic pelvic ring fractures of type B.
A. Höch, J. Böhme, C. Josten; Leipzig/DE
5. O317 - Trans-sacral implant positioning is more often critical in S1 than S2
D. Wagner¹, L. Kamer², H. Noser², T. Sawaguchi³, P. Rommens¹; ¹Mainz/DE, ²Davos/CH, ³Toyama/JP
6. O318 - Acetabular fractures treated with 3,5mm Omega plate
J. Šrám, S. Taller, R. Lukáš; Liberec/CZ
7. O319 - The validation of Rommens classification for fragility fractures of the pelvis
Y. Ueda, H. Tsuji, Y. Kurata; Sapporo/JP
8. O320 - Total Hip Arthroplasty for Posttraumatic Arthritis after Acetabular Fracture
A. Toro-Ibarguen, I. Auñón, V. Jimenez-Diaz, E. Delgado, P. Caba-Doussoux; Madrid/ES
9. O321 - Treatment of severe bone deficiency in acetabular revision surgery using a reinforcement cage
A. Toro-Ibarguen, I. Auñón-Martín, V. Jimenez Díaz, E. Delgado, J.A. Moreno-Beamud, A. Díaz-Martín; Madrid/ES
10. O322 - Primary total hip arthroplasty for treatment of acetabular fractures in the elderly
P. Simko, T. Heger, M. Magala, R. Zamborsky; Bratislava/SK
11. O323 - Management Of Acetabular Fractures Through The Pararectus Approach: Anatomic Reduction Confirmed By Computed Tomography And Clinical Results After Two Years.
J. Bastian, S. Tomagra, H. Bonel, K. Siebenrock, M. Keel; Bern/CH

16:00 – 17:30

Illusion 3

ILC - World Trauma Congress, Polytrauma, Neurotrauma

Which Trauma Registry should be used?

Chairs: S. Ruchholtz, Marburg; Z. Balogh, Newcastle

1. German Trauma Registry
R. Lefering, Cologne
2. TARN
F. Lecky, Leeds
3. Scandinavian Trauma Registry
A. Leppäniemi, Helsinki
4. AFEM trauma bank
T. Reynolds, South Africa
5. National Trauma Data Base
A. Haider, Baltimore

16:00 – 17:30**Conclusio**

Round Table WCTC - World Trauma Congress, Polytrauma, Neurotrauma

Future Steps of the World Coalition for Trauma Care

Chair: R. Coimbra, San Diego

& Representatives of the World Coalition for Trauma Care Societies

16:00 – 17:30**Spektrum 1**

Free Paper Session - Skeletal Trauma, Orthopedic Trauma, Orthopedic Surgery

Femur Reconstruction

Chairs: W. Mutschler, Munich; M. Mitkovic, Nis

1. **Keynote: Impact of AO trauma education onto Croatia trauma surgeons**
B. Bakota, Zagreb
2. O324 - Revision total hip arthroplasty using a reconstruction cage device and a cemented dual mobility cup
A. Toro-Ibarguen, I. Auñon-Martín, V. Jimenez Díaz, E. Delgado, J.A. Moreno-Beamud, A. Díaz-Martín; Madrid/ES
3. O325 - Intracapsular hip fracture fixation with a new implant - a complication analysis of 135 Targon® FN cases
H.J. Bail, R. Biber; Nürnberg/DE
4. O326 - Complications after hip fractures in the elderly.
E. Flikweert, I. Reininga, D. Landsheer, G. Izaks, M. Stevens, K. Wendt; Groningen/NL
5. O327 - Reconstructive Surgery of gunshot injuries of extremities
A. Sukharaw, Minsk/BY
6. O328 - Wound infections following elective implant removal following fracture healing; incidence and risk factors
M. Backes, N. Schep, J. Luitse, E.P. Steller, J.C. Goslings, T. Schepers; Amsterdam/NL
7. O329 - Effects of Surgeons Fatigue on Trochanteric Fracture Osteosynthesis Performance During A 24-hour Shift.
D. Ira, M. Krticka, P. Smekal, J. Švancara, M. Masek; Brno/CZ

16:00 – 17:30**Spektrum 2**

Free Paper Session - Visceral Trauma, Abdominal Trauma, Thoracic Trauma, Vascular Trauma

Liver and Thoracic Trauma

Chairs: T. Fabian, Memphis, W. Bechstein, Frankfurt

1. O330 - Operative Strategies for Traumatic Liver Injury
M. Hommes, A. Nicol, P. Navsaria, S. Edu; Cape Town/ZA
2. O331 - Non operative treatment vs operative treatment in hepatic trauma: a ten-year experience
A. Mingoli, G. Mariotta, V. Mogini, C. Reali, G. Brachini, A. Perrone, C. Modini; Rome/IT
3. O332 - CONFIRMING THE SAFETY OF A SIMPLYFIED APPROACH TO SEVERE PANCREATIC AND DUODENAL INJURIES
H. Hugenschmidt, P. Monrad-Hansen, T. Eken, C. Gaarder, P.A. Næss; Oslo/NO
4. O333 - Clamshell incision vs. left anterolateral thoracotomy. Which one is faster when performing a resuscitative thoracotomy? The tortoise and the hare revisited.
A. Flaris¹, E. Simms², F. Reynard³, J. Caillot¹, E. Voiglio¹; ¹Pierre Bénite/FR, ²New Orleans, LA/US, ³Lyon/FR
5. O334 - Oblique manubrium sterni fracture due to seat belt injury - a rare entity? Treatment options based on a Level I trauma center experience.
S. Schulz-Drost, P. Ooppel, S. Grupp, D. Taylor, A. Mauerer; Erlangen/DE

6. O335 - Therapy options of complex sternal fractures - Experience with anterior locked plate osteosynthesis in a level I trauma center
S. Schulz-Drost, S. Grupp, P. Oppel, D. Taylor, A. Mauerer; Erlangen/DE
7. O336 - Management of patients with isolated sternal fractures. Is cardiac observation always necessary?
P. Moerbeek, G. Giannakopoulos, F. Bloemers, W. Zuidema; Amsterdam/NL
8. O337 - Operative and Non Operative Management in Gunshot Abdominal Injuries. A Review of 321 Patients.
L. Salvatierra Arrieta, O. Valderrama, M. Quiodettis, S. Monteza Gallardo; Panama/PA
9. O338 - Prognostic factors in patients with penetrating colon injuries in 21 years of a brazilian trauma center.
T. Calderan, E. BRAZAO JUNIOR, M. Mantovani, B. Pereira, E. HIRANO, G. Fraga; Campinas - Sp/BR
10. O339 - Traumatic Anorectal Injuries In Albania: A Prospective Study of 68 Patients
L. MANO¹, R. Latifi², S. Osmani¹, A. Dogjani¹, M. Xhaferi¹; ¹Tirana/AL, ²Tucson, AZ/US
11. O340 - Role of the Physical Examination and New Diagnostic Methods in the Prevention of Unnecessary Laparotomy due to Abdominal Penetrating Object Injuries
M. İlhan, A.F..K. Gök, M. Üçüncü, H. Yanar, R. Güloğlu, K. Günay, C. Ertekin; Istanbul/TR
12. Foreign bodies in geh GI Tract: when is intervention mandatory
A. Shamiyeh, Linz