



Küntscher Society Annual Meeting

A joint organisation with the Belgian
Orthopaedic Trauma Association



Osteosynthese International 2015



Preliminary Program

www.osteosynthese2015.be



Dear colleagues,

On behalf of the scientific committee, I'm proud and honored to host 'Osteosynthese International 2015', the Annual Meeting of the Gerhard Küntscher Society, on 10-11 September in Brussels, Belgium.

The Gerhard Küntscher Society is a worldwide well-recognized non-profit scientific organization whose main goal is to stimulate research in the field of operative fracture care.

Building on last years successful meeting editions, our proposal includes open sessions with opportunity for discussion and focus lectures by international experienced faculty as well as industrial partner workshops designed for young colleagues, residents and experienced clinicians. Ample time will be provided for free communications for oral and poster presentations. This meeting will be a unique opportunity for all involved in orthopedic trauma management, to share their knowledge and expertise.

Even if some of you could think that everything has been said, things are evolving every day in these fields. Undoubtedly you will find many topics of interest and discussion.

Brussels, the Capital of Europe, will take care of the hosting and your comfort. The meeting will take place in the Academy Palace, the former Palace of William, Prince of Orange, which is situated next to the Royal Palace in the center of Brussels.

Apart from its famous chocolates and beers, the green city of Brussels is in the centre of European culture, with many museums, beautiful parks, fascinating walks, trendy restaurants and bars.

We look forward to welcome you in Brussels,

Pieter Reynders
Congress President

Dear Colleagues,

The Küntscher Society returns to Belgium. As president of the Küntscher Society I'm pleased to invite you to our annual meeting in 2015.

Twenty-one years after our meeting in Leuven, Prof. Piet Reynders will welcome us in Brussels, capital of Belgium and Europe.

Is there a better place to discuss fracture treatment than the town where during the last century Albin Lambotte and Robert Danis have worked and have laid the base of modern osteosynthesis?

I would like to appeal to every surgeon involved in fracture care and especially to the young surgeons and residents, to join us and discuss with us new developments and /or standards in intramedullary osteosynthesis in particular, but fracture care in general.

Dear Colleagues, in co-operation with the Belgian Orthopaedic Trauma Association the organizing committee has prepared an interesting scientific program with key-notes, papers and workshops.

Something for everybody's interest, so join us and register.

Bidding you a cordial welcome in Brussels,

Jan Verbruggen
President of the Küntscher Society

Board Members

- **Jan VERBRUGGEN, President**
Maastricht University Medical Center, The Netherlands
- **Georg GRADL, Vice President**
Klinikum München Harlaching, Germany
- **Anica ESCHLER, Secretary**
University of Rostock, Germany
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Krankenhaus Bethel Berlin, Germany
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Unfallkrankenhaus Berlin, Germany
- **Robert ZURA**
Duke University Medical Center, Durham, USA

Osteosynthese International 2015 Organizing committee

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Cliniques universitaires Saint-Luc, Université catholique de Louvain, Brussels, Belgium
- **Guy PUTZEYS, Vice-President BOTA**
AZ Groeninge Hospital Kortrijk
- **PoI ROMMENS**
University Medical Center Mainz, Germany
- **Frédéric SCHUIND**
Erasme University Hospital Brussels
- **Jan VERBRUGGEN**
President of the Küntscher Society, Maastricht University Medical Center, The Netherlands

General Information

Venue

Osteosynthese International 2015, a joint organisation of the Annual meeting of the Gerhard Küntscher Society and the Belgian Orthopaedic Trauma Association, will take place on 10 and 11 September at the Academy Palace (also known as the Palace of Academies or Academy House), Brussels, Belgium.

The Academy Palace is today the seat of the Royal Belgian Academies of Medicine, Sciences and Arts but was formerly the Palace of William, Prince of Orange.

Address: Academy Palace, Hertogsstraat 1 – rue Ducale 1, 1000 Brussels

How to reach the venue?

By plane

Belgium's international airport is situated in Zaventem, near Brussels.

From Brussels airport it is possible to travel by train (<http://www.b-rail.be>). In the airport, follow the signs to the train station, which is below ground level. Take the train to Central Station, which runs every 15 minutes.

By train and metro

Central Station: From Central Station it is 15 minutes walking through Ravenstijn Gallery and Royal Park, to the Palace of the Academies.

South Station: Take in the South Station subway line 2 or 6 direction "Simonis Elisabeth" get off at stop 'Throne'.

North Station: Take exit "Centrum" and walk straight up the street to the metro stop Rogier. Then take metro line 2 direction "Simonis - Leopold II" or line 6 direction " Roi Baudouin ", get off at stop "Throne".

By car

Via small ring of Brussels.

Coming from north: exit "Wetstraat". Coming from south: exit "Troon". Parking on the side of Regentlaan.

Social Program

Dinner: Thursday 10 September at 20h00

Venue: **La Maison du Cygne**, grand Place 9, 1000 Brussels

La Maison du Cygne is the gastronomical restaurant "par excellence" on the Grand-Place of Brussels. Behind the facade of the seventeenth century and its famous swan (which gave the name to the restaurant, a swan being a cygne in French) this exceptional house has welcomed plenty of celebrities of the world. It is recognized as one of the best restaurants of Brussels in the Michelin guide.

Faculty members

- **Joris ANTHONISSEN**
Department of Orthopaedics and Traumatology, University Medical Center, Johannes Gutenberg University of Mainz, Mainz, Germany
- **Bertil BOUILLON**
Department of Trauma and Orthopedic Surgery, Cologne-Merheim Medical Center (CMMC), Witten/Herdecke University, Witten, Germany
- **Eric CESAREO**
URMARS, CHU de Lyon, Groupement Hospitalier Edouard Herriot. Hospices Civils de Lyon, Lyon, France
- **Tim CHESSER**
Trauma and Orthopaedic Department, North Bristol NHS Trust, Bristol, UK
- **Olivier CORNU**
Orthopaedic and Trauma Department, Cliniques universitaires Saint-Luc, Université catholique de Louvain, Brussels, Belgium
- **Peter DE PAEPE**
Department of Emergency Medicine, Ghent University Hospital, Ghent, Belgium
- **Antoinette EDWARDS**
Institute of Population Health, Manchester Medical Academic Health Sciences Centre, University of Manchester, Salford, UK
- **Patric GARCIA**
Department of Trauma-, Hand- and Reconstructive Surgery, University Hospital Münster, Münster, Germany
- **Torsten GERICH**
Traumatologie des Centre Hospitalier de Luxembourg, Luxembourg, Luxembourg
- **Peter GERMONPRE**
Center for Hyperbaric Oxygen Therapy, Military Hospital - Queen Astrid, Brussels, Belgium
- **Dominik GRUSZKA**
Department of Orthopaedics and Traumatology, University Medical Center, Johannes Gutenberg University of Mainz, Mainz, Germany
- **Alexander HOFMANN**
Department of Orthopaedics and Traumatology, University Medical Center, Johannes Gutenberg University of Mainz, Mainz, Germany
- **Jörg HOLSTEIN**
Department of Trauma, Hand & Reconstructive Surgery, University of Saarland, Homburg, Saar, Germany
- **Marc JAYANKURA**
Department of Orthopaedic surgery and Traumatology, Erasme University Hospital, Brussels, Belgium
- **Dimitrios KOULALIS**
Department of Orthopaedic Surgery, Erasme University Hospital, Université libre de Bruxelles, Brussels, Belgium

- **Christian KRETTEK**
Trauma Department, Hannover Medical School, Hannover, Germany
- **Wolfgang LEHMANN**
Department of Trauma, Hand and Reconstructive Surgery, University Medical Center Hamburg-Eppendorf, Hamburg, Germany
- **Stefaan NIJS**
Department of Trauma Surgery and Department Development and Regeneration, University Hospitals Leuven, Leuven, Belgium
- **Philip PAIRON**
Department of Orthopaedics and Traumatology, University Medical Center, Johannes Gutenberg University of Mainz, Mainz, Germany
- **Robin PETER**
Division of Orthopaedics and Traumatology, Geneva University Hospitals, Faculty of Medicine, University of Geneva, Geneva, Switzerland
- **Michael RASCHKE**
Department of Trauma-, Hand- and Reconstructive Surgery, University Hospital Münster, Münster, Germany
- **François PITANCE**
Medical Director Prehospital Trauma Life Support Belgium and Department Anaesthesia and Intensive Care Medicine, CHR de la Citadelle Liège, Liège, Belgium
- **PoI ROMMENS**
Department of Orthopaedics and Traumatology, University Medical Center, Johannes Gutenberg University of Mainz, Mainz, Germany
- **Thomas ROSE**
Department Head Burn Unit, Laboratory for Molecular & Cellular Technology, Human Skin- and Keratinocyte Bank, Queen Astrid Military Hospital, Brussels, Belgium
- **Frédéric SCHUIND**
Department of Orthopaedic Surgery, Erasme University Hospital, Université libre de Bruxelles, Brussels, Belgium
- **David SELIGSON**
Department of Orthopedics, University of Louisville, Louisville, KY, United States
- **Fabian STUBY**
BG Trauma Center, Eberhard Karls University Hospital, Tuebingen, Germany
- **Peter THALLER**
3D-Surgery, Department of Trauma Surgery, Ludwig-Maximilians University, Munich, Germany
- **Maximilien THOMA**
Department of Digestive Surgery, Cliniques Universitaires Saint-Luc, Université Catholique de Louvain, Brussels, Belgium
- **Theodorus TOSOUNIDIS**
Leeds General Infirmary, Leeds, UK
- **Johan VAN BUSSEL**
Department healthdata.be, Belgian Scientific Institute of Public Health, Brussels, Belgium
- **Isabelle VAN HEERZEELE**
President of the Dutch Society for Simulation in Healthcare and Department of Surgery, Ghent University Hospital, Ghent, Belgium

- **Endre VARGA**
Department of Trauma Surgery, University of Szeged, Albert Szent-Györgyi Clinical Center, Szeged, Hungary
- **Jan VERBRUGGEN**
Department of Surgery, division of Trauma surgery, Maastricht University Medical Center, Maastricht, The Netherlands
- **Michiel VERHOFSTAD**
Trauma Research Unit, Department of Surgery, Erasmus Medical Center, University Medical Center Rotterdam, Rotterdam, The Netherlands
- **Guido WANNER**
Department of Surgery, Division of Trauma Surgery, University Hospital Zurich, Zurich, Switzerland
- **Robert ZURA**
Department of Orthopaedic Surgery, Duke University Medical Center, Durham, North Carolina, United States

Osteosynthese International 2015 Program at a Glance

07h30	Registration	
08h30	Infections & Non- Unions I	
		09h15-10h15 Corporate Workshop session 1
10h10	Honorary lecture	
10h25	<i>Coffee Break Poster Viewing</i>	
10h55	Infections & Non- Unions II	11h00-12h00 Corporate Workshop session 2
12h05	Short Oral presentation of poster	12h00-13h00 Corporate Workshop session 3
13h00	<i>Lunch Exhibition</i>	
14h00	Tibia	Drawing Lab – Analysis and end-point-first- planning of simultaneous lengthening and deformity correction of femur and tibia
15h30	<i>Coffee Break Poster Viewing</i>	
16h00	Deformity correction - limb lengthening	Pelvis - Femur
16h50	Humerus	
18h15		

20h00 **Dinner**

07h30	Registration	
08h30	Hip & Femur	Ankle - foot
10h00	<i>Coffee Break Poster Viewing</i>	
10h30	Gerhard Küntscher Lecture	
10h50	Pelvis	Various I
12h05	Acetabulum	
13h00	<i>Lunch Exhibition</i>	13h00-14h00 Corporate Workshop session 4
14h00	Femur-Proximal	BOTA Trauma Systems
16h00	<i>Coffee Break</i>	
16h30	Femur	BOTA Trauma Education
18h00	General Assembly GKS	General Assembly BOTA
18h45		

Osteosynthese International 2015 Preliminary Program in Detail

In the footsteps of Louis Joseph Seutin, Albin Lambotte, Jean Verbrugge, Robert Danis,
Robert Soeur and Robert Lacroix
The Belgian contribution to fracture care

Thursday 10 September 2015

Auditorium Albert

08.30-10.10 Infections & Non-Unions I
Moderators: tba

- 08.30** **Infected non-unions**
Lammens J.
Department Orthopaedic Surgery, Katholieke Universiteit Leuven, Leuven, Belgium
- 08.45** **Bone segment transport over an intramedullary nail driven by hydraulics**
Reynders P., Reynders-Frederix C.
Department Orthopedics & Traumatology, University Hospitals Brussels, Brussels, Belgium
- 08.55** **Tibio-talo-calcaneal arthrodesis using a curved intramedullary nail in patients presenting severe preoperative risk factors for delayed union or non-union**
Maldague P., Devos Bevernage B., Deleu P.-A., Gombault V., Leemrijse T.
Foot & Ankle Institute, Clinique du Parc Léopold, Brussels, Belgium
- 09.05** **Treatment of aseptic diaphyseal nonunion of the lower extremities with intramedullary nailing and blocking screws without autografting**
Bilgili M.G., Ercin E., Tanriverdi B., Edipoglu E., Kucukkaya M., Avkan C.
Orthopaedics and Traumatology, Bakirkoy Dr. Sadi Konuk Research and Training Hospital, Istanbul, Turkey
- 09.15** **IL** **Bacteriophages as targeted antimicrobial in septic orthopaedics**
Rose T.
Department Head Burn Unit, Laboratory for Molecular & Cellular Technology, Human Skin- and Keratinocyte Bank, Queen Astrid Military Hospital, Brussels, Belgium
- 09.25** **Bone marrows concentrate and demineralised bone matrix in the treatment of non unions**
Fonkoue L., Tribak K., Putineanu D., Delloye Ch., Cornu O.
Orthopaedic and Trauma department, Cliniques universitaires Saint-Luc, Université Catholique de Louvain, Brussels, Belgium
- 09.35** **Endoscopic guided Tibiotalocalcaneal arthrodesis after failed osteosynthesis of pilon fractures**
Burssens A.¹, Putzeys G.², Devos Bevernage B.^{1,3}, Van Der Bauwhede J.², Michels F.²
¹Department of Orthopaedic Surgery, UZ Gent, Gent, Belgium; ²Department of Orthopaedic Surgery, AZ Groeninge Kortrijk, Kortrijk, Belgium; ³Foot and Ankle Institute Parc Leopold Clinic, Brussels, Belgium
- 09.45** **Supra-malleolar osteotomy and retrograde tibial nail for lower extremity correction**
Saccone C.¹, Seligson D.², Negrán L.³
¹Department of Podiatric Surgery, ²Department of Orthopedics, University of Louisville, Louisville, KY, United States; ³Vienna Accident Hospital, Department of Orthopaedic Surgery, Vienna, Austria

- 10.00 IL The use of massive allografts in diaphyseal reconstruction**
 Cornu O.
Orthopaedic and Trauma Department, Cliniques universitaires Saint-Luc, Université catholique de Louvain, Brussels, Belgium

Auditorium Albert

10.10-10.25 Honorary lecture

- 10.10 Limits of external fixation**
Schuind F.
Department of Orthopaedic Surgery, Erasme University Hospital, Université libre de Bruxelles, Brussels, Belgium

10.25-10.55 Coffee Break

Auditorium Albert

10.55-12.05 Infections & Non-Unions II
Moderators: tba

- 10.55 IL Late reconstruction after proximal tibial fractures**
 Krettek C.
Trauma Department, Hannover Medical School, Hannover, Germany
- 11.07 Combination of platelet rich plasma with exchange intramedullary nailing in treatment of long bone atrophic non-unions**
 Duramaz A.¹, Ursavas H.T.², Bilgili M.G.¹, Karaali E.¹, Ones H.N.¹, Avkan M.C.¹
¹Department of Orthopedics and Traumatology, Bakırköy Dr Sadi Konuk Education and Research Hospital, Istanbul, Turkey; ²Department of Orthopedics and Traumatology, Van Military Hospital, Van, Turkey
- 11.17 IL Hyperbaric Oxygen Therapy in Crush injury and compartment syndrome**
 Germonpre P.
Center for Hyperbaric Oxygen Therapy, Military Hospital - Queen Astrid, Brussels, Belgium
- 11.29 IL Safety of nailing after external fixation**
 Koulalis D., Schuind F.
Department of Orthopaedic Surgery, Erasme University Hospital, Université libre de Bruxelles, Brussels, Belgium
- 11.41 Post-traumatic amputations of the lower-limb 2005-2015 at the University Hospital of Liège**
 Berger M.J., Valcu A.
Department of Orthopaedic surgery, Liège University, Liège, Belgium
- 11.53 Will I walk again? The challenge of rehabilitation in lower limb amputation**
 Brienza S., Prist V., Gierasimowicz-Fontana A., Hatem S.M.
Physical Medicine and Rehabilitation Clinic, Brugmann University Hospital, Brussels, Belgium

12.05-13.00

Short oral presentation of posters

Moderators: tba

- 12.05 P1 Treatment of long bone non-unions with Allomatrix**
De Wouters S.¹, Traore S.¹, Tribak K.¹, Putineanu D.¹, Lecouvet F.², Cornu O.¹
¹Orthopaedic and Trauma Department, ²Department of Radiology, University Hospital St-Luc, Université Catholique de Louvain, Brussels, Belgium
- 12.09 P2 The RIA harvesting system; higher than expected peri-operative morbidity?**
Reijen van N.¹, Derksen R-J.², Boer C.³, Zuidema W.P.¹
¹Department of Trauma surgery, VU Medical Center, Amsterdam, The Netherlands; ²Department of Trauma surgery, ZMC, Zaandam, The Netherlands; ³Department of Anaesthesiology, VU Medical Center, Amsterdam, The Netherlands
- 12.12 P3 Long term follow-up and PROMS of patients with a medial clavicle fracture**
Zuidema W.P., Poelmeijer Y.Q.M.
Department of Trauma surgery, VU University Medical Center, Amsterdam, The Netherlands
- 12.15 P4 Unexpected prolonged activity of DBX on PET-CT six years after implantation**
Reijen van N., Zuidema W.P.
Department of Trauma surgery, VU University Medical Center, Amsterdam, The Netherlands
- 12.18 P5 Visualization of the lateral tibial plateau: a cadaveric study**
Garner M.R., Martin C.R., Mount L.E., Klinger C.E., Thacher R.R., Warner S.J., Helfet D.L., Lorich D.G.
Orthopaedic Surgery, Hospital for Special Surgery, New York, United States
- 12.22 P6 The diagnostic accuracy of radiographs and magnetic resonance imaging in predicting deltoid ligament ruptures in ankle fractures**
Warner S.J.¹, Garner M.R.¹, Fabricant P.D.¹, Schottel P.C.², Loftus M.L., Hentel K.³, Helfet D.L.¹, Lorich D.G.^{1,3}
¹Orthopaedic Surgery, Hospital for Special Surgery, New York, NY, USA; ²University of Texas, Houston, TX, USA; ³New York Presbyterian Hospital - Cornell, New York, NY, USA
- 12.26 P7 Removal of broken interlocking screws**
Zamora R., Maniar H., Seligson D.
Department of Orthopedics, University of Louisville, Louisville, KY, United States
- 12.29 P8 Plastic blocking screw for tibia fractures with proximal or distal short fragments**
Zamora R., Polley N., Himschoot K., Seligson D.
Department of Orthopedics, University of Louisville, Louisville, KY, United States
- 12.33 P9 Vertebral artery dissection as a complication in wiplash traumata in young adults**
Mulier T.¹, Ruelens C.²
¹Department of orthopedics, Heilig hart Leuven, Leuven, Belgium; ²UZ Leuven, KUL, Belgium
- 12.37 P10 Pelvic support osteotomy**
Reynders-Frederix C., Reynders P.
Department Orthopedics & Traumatology, University Hospitals Brussels, Campus Sint-Pierre, Brussels, Belgium
- 12.41 P11 About a complex femoral fracture, a plate fracture and a non-union: a case report**
Bhogal H., Lambert J.
Service d'orthopédie-traumatologie, Centre hospitalier Epicura, Hornu, Belgium
- 12.45 P12 A randomized trial on the effect of Botulinum Toxin A in decreasing thigh pain or improving range of motion during the distraction osteogenesis of femur**
Lee DH., Ryu KJ., Kim HW., Hwang JH., Sung MK.
Severance Children's Hospital, Yonsei University College of Medicine, Orthopaedic department, Seoul, South Korea

- 12.49 P13 Epidemiology, demographics and treatment of pelvic ring fractures: a comparative retrospective register study**
Van Den Wyngaert T., Putineanu D., Tribak K., Van Cauter M., Kaminski L., Banse X., Cornu O.
Orthopaedic and Trauma Department, University Hospital St-Luc, Université Catholique de Louvain, Brussels, Belgium
- 12.53 P14 Opioid Abuse - Medication assisted therapies**
Easley D., Polley N., Kibbe S.
White Lattice, Inc, Louisville, Kentucky, United States
- 12.56 P15 Opioid abuse disorder, report of a case**
 Easley D.
White Lattice, Inc, Louisville, Kentucky, United States

13.00-14.00 Lunch

Auditorium Albert

14.00-15.30 Tibia
Moderators: tba

- 14.00 IL Plate Osteosynthesis of the proximal tibia**
 Raschke M.
Department of Trauma-, Hand- and Reconstructive Surgery, University Hospital Münster, Münster, Germany
- 14.22 Fluoroscopic imaging of tibial plateau depression: a cadaveric study**
 Garner M.R., Halvorson J.J., Fabricant P.D., Schottel P.C., Warner S.J., Wellman D.S., Lorich D.G., Helfet D.L.
Orthopaedic Surgery, Hospital for Special Surgery, New York, United States
- 14.32 Distal tibial fractures – Intramedullary nailing versus MIPO**
Savvidis M., Konstantinidis A., Bisbinas E., Georgiannos D., Kapoutsis D., Gkouvas G.
1st Orth. Dept, 424 General Military Hospital, Thessaloniki, Greece
- 14.42 IL IM nailing of methaphyseal fractures**
 Krettek C.
Trauma Department, Hannover Medical School, Hannover, Germany
- 14.54 Biomechanical comparison of distal interlocking methods at sheep tibia models, used in fixation of distal tibia shaft fractures with intramedullary nails**
Kaya Y.E., Isik C., Sarman H., Akpinar F.
Abant Izzet Baysal University, department of Orthopaedy and Traumatology, Bolu, Turkey
- 15.04 Intramedullary nailing of the tibia: the semi-extended surgical approach improves final nail position compared with the conventional medial parapatellar approach – A prospective multicentre RCT**
Johnstone A.¹, Munro C.¹, Caba P.², Escriba I.³, Forward D.⁴, Graf M.⁵
¹*Department of Orthopaedic Trauma, Aberdeen Royal Infirmary, Aberdeen, Scotland, UK;*
²*Hospital 12 de Octubre, Madrid, Spain;* ³*Hospital La Fe Valencia, Spain;* ⁴*Queens Medical Centre, Nottingham, UK;* ⁵*Medizinisches Zentrum StadteRegion Aachen, Wurselen, Germany*
- 15.16 IL Role of bone substitutes and adjuvant strategies**
Garcia P., Raschke M.
Department of Trauma-, Hand- and Reconstructive Surgery, University Hospital Münster, Münster, Germany

15.30-16.00 Coffee Break & Poster Viewing

16.00-16.50 **Deformity correction-limb lengthening**
Moderators: tba

- 16.00** **IL** **Reconstructing long bone deformities by nails. Simple solutions for complex problems?**
 Thaller P.
3D-Surgery, Department of Trauma Surgery, Ludwig-Maximilians University, Munich, Germany
- 16.20** **The End Point First (EPF) planning method for deformity correction of the lower extremity**
Wolf F.¹, Fürmetz J.¹, Weidert S.², Delhey P.³, Thaller P.H.¹
¹*3D-Surgery, Department of Trauma Surgery,* ²*Department of Trauma Surgery, Ludwig Maximilians University, Munich, Germany;* ³*Clinic for Trauma-, Reconstruction and Orthopaedics, Krankenhaus Bietigheim, Bietigheim-Bissingen, Germany*
- 16.30** **Management of limb-length discrepancy and deformity using PRECICE**
Karakoyun O., Sökücü S., Erol M.F., Küçükkaya M., Kabukçuoğlu Y.S.
Department of Orthopedics and Traumatology, Namık Kemal University, Tekirdağ, Turkey
- 16.40** **Is the PRECICE® nail better than the Intramedullary Skeletal Kinetic Distractor (ISKD®)? - A comparative cohort study**
Lee DH., Ryu KJ., Kim HW., Hwang JH., Park H.
Severance Children's Hospital, Yonsei University College of Medicine, Orthopaedic department, Seoul, South Korea

16.50-18.15 **Humerus**
Moderators: tba

- 16.50** **IL** **Treating humeral fractures. Current strategies**
 Verbruggen J.
Department of Surgery, division of Trauma surgery, Maastricht University Medical Center, Maastricht, The Netherlands
- 17.02** **Proximal humerus fracture treated with transdeltoid lateral (MIPO) approach**
Baltov A., Enchev D., Rashkov M.
Department of Orthopedics and Trauma Surgery, University Emergency Hospital "Pirogov", Sofia, Bulgaria
- 17.12** **Interest of fibula allograft in the management of 4-parts proximal humerus fracture?**
Levy G., Putineanu D., Tribak K., Cornu O.
Orthopaedic and Trauma department, University Hospital St-Luc, Université Catholique de Louvain, Brussels, Belgium
- 17.22** **Our experience with humeral nailing**
Simion F., Schiopu D., Illés T., Reynders P.
Department Orthopedics & Traumatology, University Hospitals Brussels, Brussels, Belgium
- 17.32** **Temporary glenohumeral fixation in select cases of instable shoulder dislocation: a viable option?**
Vercruyssen G., De Wachter G.
Department of Orthopedics, Jessa Ziekenhuis, Hasselt, Belgium

- 17.42 Lateral plate-osteosynthesis in the treatment of spiral diaphyseal humeral fractures with a proximal component through an extended deltoid-split approach**
Stevens N.¹, Putzeys G.²
¹Orthopedics and traumatology, UZ Gent, Gent, Belgium; ²Department of Orthopaedic Surgery, AZ Groeninge Kortrijk, Kortrijk, Belgium
- 17.52 Objective outcome measures in distal radius fractures treated with a volar locking plate: are they out of sync with patients?**
Ezzat A.¹, Fielding S.², Carnegie C.A.¹, Johnstone A.J.¹
¹Department of Trauma Orthopaedics, Aberdeen Royal Infirmary, Aberdeen, UK; ²Department of medical statistics, University of Aberdeen, Aberdeen, UK
- 18.02 Closing the gap: a novel technique for humeral shaft nonunions using cup in cone reamers**
Nickel B.T., Klement M.R., Richard M., Zura R., Garrigues G.E.
 Departement of Orthopaedic Surgery, Duke University, Durham, NC, United States

		Marble Room
16.00-18.18	Pelvis -Femur Moderators: tba	

- 16.00 IL Management of severe pelvic trauma**
Krettek C.
 Trauma Department, Hannover Medical School, Hannover, Germany
- 16.12 Custom-made lateral femoral hemiarthroplasty for traumatic bone loss: a case report**
Stuyts B.¹, Peersman G.², Thienpont E.³, Van den Eeden E.¹, Van der Bracht H.¹
¹Sint-Augustinus Hospital, Wilrijk, Belgium; ²ZNA Stuivenberg, Antwerp, Belgium; ³University Hospital Saint Luc, Brussels, Belgium
- 16.22 The effect of computer-assisted surgery training in the placement of iliosacral screws**
Hubbard E.W.¹, Templeton E.¹, Eward W.C.¹, Green C.¹, Nousiaainen M.T.², Zura R.D.¹
¹Duke University Medical Center, Department of Orthopaedic Surgery, Durham, North Carolina, United States; ²Holland Orthopaedic and Arthritic Center, Sunnnybrook Health Sciences Centre, Toronto, Ontario, Canada
- 16.32 Anterior subcutaneous internal plate fixation as part of a 360° degrees treatment of unstable pelvic injuries**
Cootjans K., Putzeys G.
 Department of Orthopaedic Surgery, AZ Groeninge Kortrijk, Kortrijk, Belgium
- 16.42 Mortality-analysis on a 5 year period registration (2009-2013) in the German Pelvic Injury Register : comparison between a Belgian hospital and a pool of German hospitals**
Putzeys G.¹, Stuby F.², Aghayev E.³
¹Department of Orthopaedic Surgery, AZ Groeninge Kortrijk, Kortrijk, Belgium; ²BG Trauma Center, Eberhard Karls University Hospital, Tuebingen, Germany; ³ Institute for Evaluative Research in Medicine, University of Bern, Switzerland
- 16.52 Operative treatment of acetabular fractures in the elderly in presence of osteoporotic bone**
Molenaers B.¹, Vanlommel J.¹, Vanderschot P.^{1,2}
¹Department of orthopaedic surgery, ²Department of traumatology, UZ Leuven, Leuven, Belgium

- 17.02** **Current imaging guidelines in evaluating periprosthetic complications**
Hendrickx J.¹, Vanrusselt J.², Claikens B.¹
¹Department of Radiology, General Hospital Damiaan, Ostend, Belgium; ²Department of Radiology, University Hospital Leuven, Leuven, Belgium
- 17.12** **Pipkin fractures and dislocations: treatment and long-term results**
Enchev D., Baltov A., Rashkov M., Markov M.
Department of orthopedy and traumatology, UMHATEM "N.I.Pirogov" Sofia, Bulgaria
- 17.22** **Fluoroscopic-assisted percutaneous anterior column screw in lateral position: a surgical technique**
Zamora R., Polley N.W., Seligson D.
Department of Orthopaedic Surgery, University of Louisville, Louisville, KY United States
- 17.32** **Implant augmentation of the proximal femur**
Sermon A.
Department of Traumatology, University Hospitals Gasthuisberg, Leuven, and Department of Development and Regeneration, KU Leuven, Leuven, Belgium
- 17.42** **IL** **High tech trauma: current modalities and navigation techniques**
Varga E.
Department of Trauma Surgery, University of Szeged, Albert Szent-Györgyi Clinical Center, Szeged, Hungary
- 17.54** **IL** **The iliopubic plate for anterior pelvic fractures**
Gerich T.
Traumatologie des Centre Hospitalier de Luxembourg, Luxembourg, Luxembourg
- 18.06** **IL** **Chest wall fixation. Is it advantageous ?**
Varga E.
Department of Trauma Surgery, University of Szeged, Albert Szent-Györgyi Clinical Center, Szeged, Hungary

08.30-10.00

Hip & Femur

Moderators: tba

- 08.30 IL Why we should not always nail hip fractures**
Chesser T.
Trauma and Orthopaedic Department, North Bristol NHS Trust, Bristol, United Kingdom
- 08.42 Factors affecting postoperative death in patients above 65 years-old who were operated for hip fracture**
Ocalan E., Ozkayin N., Aktuglu K.
Department of Orthopedic And Traumatology, Ege University, Izmir, Turkey
- 08.52 In comparison to posterolateral approach, does direct anterior approach on orthopaedic table reduce the dislocation rate after bipolar hemiarthroplasty for neck fracture?**
Jayankura M., Bloemers N., Koulischer S., Clegg E., Matriche C., Schuind F.
Department of Orthopaedic surgery and Traumatology, Erasme University Hospital, Brussels, Belgium
- 09.02 Clinical results for surgical treatment of femoral neck fracture with Targon FN**
Takigawa N., Yasui K., Eshiro H., Adachi S., Fukai A., Komatsu T., Kinoshita M.
Department of Orthopedics, Nishinomiya Kyoritsu Neurosurgical Hospital, Nishinomiya, Hyogo, Japan
- 09.12 Rotational malalignment of the femur after intramedullary nailing in femoral shaft fractures - Incidence and long term functional effects**
Savvidis M.¹, Konstandinidis A.¹, Koutroumanidis K.², Bisbinas I.¹, Georgiannos D.¹, Kapoutsis D.¹, Gkouvas G.¹
¹1st Orthopaedic Department and ²Radiology Department, 424 G.M.H. Thessaloniki, Greece
- 09.22 A new surgical solution to prevent contralateral hip fracture: feasibility and safety**
Vienney C.¹, Reynders P.², Rigal J.¹, Demezou H.¹, Le Huec J.C.¹, Gunzburg R.³
¹Hopital Xavier Arnozan, PTIB, Hyprevention; Pessac, France; ²Department Orthopedics & Traumatology, University Hospitals Brussels, Brussels, Belgium; ³Department Orthopedics & Traumatology, Edith Cavell Clinic, Brussels, Belgium
- 09.32 Quartets of elastic stable intramedullary nails in pediatric femur fractures**
Nickel B., Blizzard D.J., Willimon S.C., Busch M.T.
Department of Orthopaedic Surgery, Duke University Medical Center, Durham, North Carolina, United States
- 09.42 IL Supracondylar Femur fractures, salvage tips & tricks**
Krettek C.
Trauma Department, Hannover Medical School, Hannover, Germany
- 09.57 IL Arthroplasty in Proximal Humerus Fractures**
Nijs S.
Department of Trauma Surgery and Department Development and Regeneration, University Hospitals Leuven, Leuven, Belgium

10.15-10.30 **Coffee Break & Poster Viewing**

08.30-10.05

Ankle & Foot
Moderators: tba

- 08.30 Intramedullary osteosynthesis of ankle fractures with a straight locked nail: XS Nail**
 Friedl W.¹, Gehr J.²
¹Klinikum Aschaffenburg, Unfallchirurgie, Orthopädie und Handchirurgie, Aschaffenburg, Germany; ²Metropol Medical Center, Centre for Orthopaedics, Neurosurgery and Trauma Surgery (ONTC), Nürnberg, Germany
- 08.42 Predictors of failure for delayed surgical treatment of closed ankle fracture-dislocations**
 Matson A.P., Zura R.D.
 Duke University Medical Center, Department of Orthopaedic Surgery, Durham, North Carolina, United States
- 08.52 Primary tibio-talar-calcaneal arthrodesis with intramedullary nailing for severe non-reconstructible tibial pilon fractures**
 Putineanu D., Coquay J.
 Orthopaedic and Trauma Department, Cliniques universitaires Saint-Luc, Université catholique de Louvain, Brussels, Belgium
- 09.02 The measurement and clinical significance of syndesmotric reduction after operative fixation of rotational ankle fractures**
 Warner S.J.¹, Fabricant P.D.¹, Garner M.R.¹, Schottel P.C.², Helfet D.L.¹, Lorich D.G.¹
¹Orthopaedic Surgery, Hospital for Special Surgery, New York, NY, USA; ²University of Texas, Houston, TX, USA
- 09.12 Gait analysis and functional outcome after calcaneal fractures**
 Leenstra B.¹, van Hove S.¹, de Vos J.¹, Verbruggen J.P.A.M.¹, Willems P.^{2,3}, Meijer K.^{2,3}, Poeze M.^{1,3}
¹Department of Surgery, division of Trauma surgery, ²Department of Movement Sciences, Maastricht University Medical Center, Maastricht, The Netherlands; ³NUTRIM, School for Nutrition, Toxicology and Metabolism, Maastricht University, Maastricht, The Netherlands
- 09.22 3D imaging and calcaneus fracture osteosynthesis**
 Misselyn D.
 Department of Traumatology, UZ Leuven, Leuven, Belgium
- 09.32 Number and type of fractures on CT imaging is not a predictor for stability in Lisfranc injuries**
 Stollenwerck G.A.N.L., Poeze M.
 Department of surgery and trauma surgery, Maastricht University Medical Center, Maastricht, The Netherlands
- 09.42 Nailing as a new option in calcaneal fracture treatment**
 Kalenskiy V.O.¹, Ivanov P.A.¹, Bondarev V.B.¹, Chelnokov A.N.², Gluhov D.V.², Kononova A. Yu.²
¹Department of Polytrauma, Sklifosofsky Clinical and Research institute, Moscow, Russia; ²Ural Scientific Research Institute of Traumatology and Orthopaedics, Ekaterinburg, Russia
- 09.52 Absorbable polydioxanone suture provides fewer wound complications in acute tendo-achilles rupture repair**
 Baig M.N., Din R.
 Department of Orthopaedics, Kerry General Hospital, Tralee, Ireland

10.05-10.30

Coffee Break & Poster Viewing

10.30-10.45 Gerhard Küntscher Honorary Lecture**10.30 The development of intramedullary nailing in the United States
Seligson D.***Department of Orthopedics, University of Louisville, Louisville, KY, United States***10.45-10.50 Transition Time****10.50-13.00 Pelvis-Acetabulum
Moderators: tba****Pelvis**

10.50 IL Acute management of the haemodynamically unstable pelvic ring injury patient
Wanner G.
Department of Surgery, Division of Trauma Surgery, University Hospital Zurich, Zurich, Switzerland

11.05 IL Spino-pelvic injuries, surgical treatment options
Lehmann W.
Department of Trauma, Hand and Reconstructive Surgery, University Medical Center Hamburg-Eppendorf, Hamburg, Germany

11.20 IL Surgical options in pelvic ring insufficiency fractures
Rommens P.
Department of Orthopaedics and Traumatology, University Medical Center, Johannes Gutenberg University of Mainz, Mainz, Germany

11.35 IL Late results after acute pelvic ring dislocations
Holstein J.
Department of Trauma, Hand & Reconstructive Surgery, University of Saarland, Homburg, Saar, Germany

11.50 Discussion

Acetabulum

11.55 IL Acetabulum fractures in the elderly
Peter R.
Division of Orthopaedics and Traumatology, Geneva University Hospitals, Faculty of Medicine, University of Geneva, Geneva, Switzerland

12.10 IL New implants for acetabulum fracture fixation
Lehmann W.
Department of Trauma, Hand and Reconstructive Surgery, University Medical Center Hamburg-Eppendorf, Hamburg, Germany

12.25 IL Periprosthetic acetabulum fractures
Jayankura M.
Department of Orthopaedic surgery and Traumatology, Erasme University Hospital, Brussels, Belgium

12.40 IL What's new in acetabulum fracture fixation
Tosounidis T.
Leeds General Infirmary, Leeds, UK

12.55 Discussion

13.00-14.00 Lunch - Exhibition

10.50-13.00

Various
Moderators:

- 10.50** **Characteristics and management of orthopaedic trauma patients in Médecins Sans Frontières trauma centres in Afghanistan and Haiti**
Trelles M., Van den Bergh R., Santiago L., Qasemi A.Q., Habibullah S.S., Ali E., Nyaruhirira I., Dominguez L.
SAGE Unit, Medical Department - MSF-OCB
- 10.57** **Treatment and outcomes of periprosthetic fractures after total knee arthroplasty multicentre retrospective analysis of 56 cases**
Kyriakidis T.¹, Tsiridis E.², Zorman D.¹
¹*C.H.U. Tivoli, Orthopaedic Department, La Louvière, Belgium;* ²*Academic Orthopaedic Unit "Papageorgiou" General Hospital, Aristotle University Medical School, Thessaloniki, Hellas*
- 11.04** **Periprosthetic fractures of the femur - Shift of the treatment paradigm?**
Chelnokov A.¹, Piven I.¹, Shlykov I.¹, Piastopulo K.¹, Semenistyy A.²
¹*Ural Scientific Research Institute of Traumatology and Orthopaedics, Ekaterinburg, Russia;* ²*Hospital N 13, Moscow, Russia*
- 11.11** **Atypical periprosthetic subtrochanteric femur fractures during bisphosphonates therapy. A case report**
Baig M.N., Rice J.
Department of Orthopaedics, Kerry General Hospital, Tralee, Ireland
- 11.18** **Fixator-assisted nailing with dome-osteotomy enables early full weight bearing in corrective Osteotomy for proximal tibial valgus deformity**
Lee DH., Ryu KJ., Kim HW., Hwang JH.
Severance Children's Hospital, Yonsei University College of Medicine, Orthopaedic department, Seoul, South Korea
- 11.25** **Salvage procedures of distal tibiofibular fractures by using a retrograde Expert Tibia Nail**
Hensgens R., Govaert G.A.M.
Department of Surgery, subdivision of Trauma Surgery, University Medical Centre Groningen (UMCG), Groningen, The Netherlands
- 11.32** **Suprapatellar nailing of the tibia and the use of a dedicated trocar sleeve system as a way to avoid cartilage damage in the knee**
Vandesande W., Feyen J., Meeuwssen E., Smits P, Iudicello A., Feyen H.
Department of Orthopaedic and Trauma Surgery, AZ St Dimna Geel, Geel, Belgium
- 11.39** **A new device for intraoperative bending of intramedullary nails**
Eilers T., Wolf F., Fürmetz J., Thaller P.H.
3D-Surgery, Department of Trauma Surgery, Ludwig-Maximilians Universitaet, Munich, Germany
- 11.46** **Intraosseous impacted steel sleeves for a minimally invasive approach to the medullar cavity**
Wolf F., Bösl S., Thaller P.H.
3D-Surgery, Department of Trauma Surgery, Ludwig-Maximilians University, Munich, Germany
- 11.53** **Decreased bone density in geriatric patients does not lead to inferior outcomes after open reduction and internal fixation of tibial plateau fractures**
Garner M.R., Gausden E., Warner S.J., Shaffer A.D., Lorich D.G
Orthopaedic Surgery, Hospital for Special Surgery, New York, United States

- 12.00 Lengthening with one PRECICE nail more than its capacity**
Karakoyun O., Erol M.F., Küçükkaya M.
Department of Orthopedics and Traumatology, Namık Kemal University, Tekirdağ, Turkey
- 12.07 Pathologic recurrent fractures on bone cysts in children: a new minimally invasive approach**
Meirlaen S.¹, Glorion Ch.², Cornu O.¹, Docquier P.L.¹
¹*Orthopaedic and Trauma Department, Cliniques universitaires Saint-Luc, Université catholique de Louvain, Brussels, Belgium;* ²*Orthopaedic Department, Hôpital universitaire Necker, Paris, France*
- 12.14 New semi-automatic detection method of joint penetration during triple-screw internal fixation for femoral neck fractures**
Englebert A.¹, Cornu O.^{1,2}, Putineanu D.², Tribak K.², Cartiaux O.¹
¹*Computer Assisted and Robotic Surgery, Institut de recherche expérimentale et clinique, Université catholique de Louvain, Brussels, Belgium;* ²*Service d'orthopédie et de traumatologie de l'appareil locomoteur, Cliniques universitaires Saint-Luc, Brussels, Belgium*
- 12.21 Superior outcomes after patella fracture fixation with a novel cage plate construct: a prospective cohort study**
Warner S.J.¹, Lazaro L.E.¹, Thacher R.R.², Sauro G.², Garner M.R.¹, Helfet D.L.¹, Lorich D.G.^{1,2}
¹*Orthopaedic Surgery, Hospital for Special Surgery, New York, NY, USA;* ²*New York Presbyterian Hospital - Cornell, New York, NY, USA*
- 12.28 Local bone density influences clinical outcomes after ankle fracture fixation**
Warner S.J., Garner M.R., Nguyen J.T., Helfet D.L., Lorich D.G.
Orthopaedic Surgery, Hospital for Special Surgery, New York, NY, USA
- 12.35 Real-time intramuscular pH measurements: overcoming the limitations of intracompartmental pressure measurements in diagnosing acute compartment syndrome**
Johnstone A.J., Elliott K.G.B.
Department of Trauma & Orthopaedics, Aberdeen Royal Infirmary, Aberdeen, Scotland, UK
- 12.42 Subcutaneous mini-invasive fasciotomy in acute lower limb compartment syndrome: a cadaveric study**
Vandergugten S., Zemmour L., Lengelé B., Nyssen-Behets C.
Pôle de Morphologie, Institut de Recherche expérimentale et Clinique, Université catholique de Louvain, Brussels, Belgium
- 12.49 Systematic nail removal for mild discomfort: is it acceptable?**
Vanden Bulcke D., Tribak K., Putineanu D., Cornu O.
Orthopaedic and Trauma Department, Cliniques universitaires Saint-Luc, Université catholique de Louvain, Brussels, Belgium

13.00-14.00 Lunch Exhibition

14.00-16.00

**Femur-Proximal
Moderators:**

- 14.00 IL Keynote Lecture**
Proximal femur fractures; what is evidence
 Rommens P.
Department of Orthopaedics and Traumatology, University Medical Center, Johannes Gutenberg University of Mainz, Mainz, Germany
- 14.25 IL Stabilization of femoral neck fractures with the Targon FN**
 Gruszka D.
Department of Orthopaedics and Traumatology, University Medical Center, Johannes Gutenberg University of Mainz, Mainz, Germany
- 14.50 IL Do we still need the Regazzoni's DHS plate**
 Anthonissen J.
Department of Orthopaedics and Traumatology, University Medical Center, Johannes Gutenberg University of Mainz, Mainz, Germany
- 15.05 IL Reversed obliquity fractures; value of cerclage**
 Hofmann A.
Department of Orthopaedics and Traumatology, University Medical Center, Johannes Gutenberg University of Mainz, Mainz, Germany
- 15.20 IL Nailing of subtrochanteric fractures**
 Paireon P.
Department of Orthopaedics and Traumatology, University Medical Center, Johannes Gutenberg University of Mainz, Mainz, Germany
- 15.32 Influence of rotation and micromovement stable fixation on the failure rate of medial femur neck fracture osteosynthesis**
 Friedl W.
Klinikum Aschaffenburg, Unfallchirurgie, Orthopädie und Handchirurgie, Aschaffenburg, Germany
- 15.44 Coexisting glenohumeral arthritis increases proximal humerus fracture nonunion after nonsurgical treatment**
 Nickel B.T., Klement M.R., Bala A., Zura R., Garrigues G.E.
Department of Orthopaedic Surgery, Duke University, Durham, NC, United States

16.00-16.30 Coffee Break & Poster Viewing

16.30-17.45

**Femur
Moderators:**

- 16.30 The role of plastic screws in intramedullary nailing of long bones**
 Onyekwelu I., Falls T., Seligson D.
Department of Orthopedics, University of Louisville, Louisville, KY, United States
- 16.40 Intramedullary fixation with a third generation nail in complex fractures in proximal femur**
 Tzachev N., Ivanov N., Hariskov N., Iotov A.
Department Orthopaedic and Trauma, Military Hospital, Sofia, Bulgaria

- 16.50 Autodynamic nailing**
Seligson D., Polley N., Zamora R., Craig Wright C., Maniar H.
Department of Orthopedics, University of Louisville, Louisville, KY, United States
- 17.02 Results of distal femoral fracture with plate osteosynthesis**
Aktuglu K., Colak T., Ozkayin N
Department of Orthopedic And Traumatology, Ege University, Izmir, Turkey
- 17.14 Double plating for supracondylar femoral fractures**
De Roo K.^{1,2}, Oosterlinck D.², Putzeys G.²
¹*Department of Orthopaedic Surgery & Traumatology, University Hospital Ghent, Gent, Belgium;* ²*Department of Orthopaedic Surgery & Traumatology, AZ Groeninge Kortrijk, Kortrijk, Belgium*
- 17.24 Complications of intramedullary nailing of trochanteric fractures using the Stryker® Gamma3 TM trochanteric nail. One-year experience**
Cherchi L., Ehlinger M., Taglang G., Adam P., Bonnomet F.
Service de Chirurgie Orthopédique et Traumatologique, Strasbourg University Hospitals, Hôpital de Hautepierre, Strasbourg, France
- 17.34 IlluminOss® is a new percutaneous intramedullary rod osteosynthesis using a polymerized monomer – A case series on patients with wrist fractures**
Klitsie P.J., Vegt P.A.
Department of Surgery, Albert Schweitzer hospital, Dordrecht, The Netherlands

Auditorium Albert

17.45-18.00 **Adjourn**
GKS prize of best oral paper

Auditorium Albert

18.00-19.00 **General Assembly GKS**

BOTA Symposium 2015
Friday 11 September 2015

Marble Room

14.00-16.00 **BOTA Symposium**
Trauma Systems in the EU
Moderators: tba

Trauma Registries

- 14.00** **TARN**
Edwards A.
Institute of Population Health, Manchester Medical Academic Health Sciences Centre, University of Manchester, Salford, UK
- 14.12** **DGU trauma registry**
Bouillon B.
Department of Trauma and Orthopedic Surgery, Cologne-Merheim Medical Center (CMMC), Witten/Herdecke University, Witten, Germany
- 14.24** **Pelvic registry**
Stuby F.
BG Trauma Center, Eberhard Karls University Hospital, Tuebingen, Germany
- 14.36** **Healthdata.be**
Van Bussel J.
Department healthdata.be, Belgian Scientific Institute of Public Health, Brussels, Belgium

Trauma Systems

- 14.48** **Germany**
Rommens P.
Department of Orthopaedics and Traumatology, University Medical Center, Johannes Gutenberg University of Mainz, Mainz, Germany
- 15.00** **United Kingdom**
Chesser T.
Trauma and Orthopaedic Department, North Bristol NHS Trust, Bristol, United Kingdom
- 15.12** **The Netherlands**
Verhofstad M.
Trauma Research Unit, Department of Surgery, Erasmus Medical Center, University Medical Center Rotterdam, Rotterdam, The Netherlands
- 15.24** **France**
Cesareo E.
URMARS, CHU de Lyon, Groupement Hospitalier Edouard Herriot. Hospices Civils de Lyon, Lyon, France
- 15.36** **Discussion**

16.00-16.30 **Coffee Break**

16.30-18.00

BOTA Symposium
How to teach trauma in 2015
Moderators: tba

16.30 Simulation in training of medicine

I. Van Herzeele

President of the Dutch Society for Simulation in Healthcare and Department of Surgery, Ghent University Hospital, Ghent, Belgium

16.42 Sinman training: first experiences in simulating the trauma patient

F. Pitance

Medical Director Prehospital Trauma Life Support Belgium and Department Anaesthesia and Intensive Care Medicine, CHR de la Citadelle Liège, Liège, Belgium

16.54 ATLS

M. Thoma

Department of Digestive Surgery, Cliniques Universitaires Saint-Luc, Université Catholique de Louvain, Brussels, Belgium

17.06 ETC

P. De Paepe

Department of Emergency Medicine, Ghent University Hospital, Ghent, Belgium

17.18 ICUC a new online teaching platform

tba

17.30 AO lifelong learning

tba

17.42 Teaching generation Y

S. Nijs

Department of Trauma Surgery and Department Development and Regeneration, University Hospitals Leuven, Leuven, Belgium

17.54 Discussion

18.00-18.15

BOTA General Assembly