

# Contents



## COLOUR GUIDE PER TOPIC

GENERAL ORTHOPAEDICS

UPPER LIMB

LOWER LIMB

SPINE

TRAUMA/POLYTRAUMA


PAEDIATRICS

GENERAL EDUCATION



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# Welcome Address



Prof. Dr. Pierre Hoffmeyer  
EFORT President 2012/2013

Dear Colleagues, Friends and Participants,

A warm welcome to the thirteenth EFORT Congress, organised in 2012 in Berlin in close cooperation with the German Association of Orthopaedics and Orthopaedic Surgery (DGOOC), the Professional Association of Orthopaedic Surgeons and Traumatologists in Germany (BVOU) and the German Trauma Society (DGU).

The latest in orthopaedic and trauma research and technology will be presented, along with the newest concepts and breakthroughs in the realm of musculoskeletal surgery-related specialities. Only the most current and best practices, meeting the highest standards of our profession, will be discussed during this high-quality EFORT Congress.

The EFORT Congress offers you a broad spectrum of carefully-selected opportunities to further your knowledge of our field. These include 39 symposia organised by well-known European experts, 20 Instructional Course lectures, the popular full-day Comprehensive Review Course, many e-posters and numerous workshops, industry symposia and technical exhibits. The many symposia organised by European Specialty Societies and other affiliated organisations are a major additional input into our programme. The highlights of the Congress will be plenary addresses from two internationally renowned honorary lecturers. The Michael Freeman Honorary Lecture will be given by Bernard F. Morrey, the outstanding orthopaedic surgeon from the Mayo Clinic (USA), and the Erwin Morscher Honorary Lecture will be delivered by Reinhold Ganz, the master hip surgeon from Bern.

On behalf of the Executive Committee of EFORT and also personally, I would like to express my heartfelt gratitude to the chairmen of the Local Organising Committee, Professors Dieter Wirtz and Karsten Dreinhöfer, as well as to the entire staffs of the congress organiser MCI and of the EFORT Head Office in Zurich for their relentless efforts and enthusiastic hard work.

Welcome. Come with us and feel the buzz of this lively city of Berlin. Enjoy the exclusive, hand-picked social programme with your colleagues and your companions.

A handwritten signature in black ink, appearing to read 'P. Hoffmeyer', with a long horizontal line extending to the right and a small mark at the end.

Prof. Dr. Pierre Hoffmeyer



The EFORT Invited Nation Programme is presented this year in Berlin. Its aim is to raise awareness and recognition towards the contributions made to the management of musculo-skeletal diseases worldwide and to strengthen ties with colleagues around the globe. In this sense we are delighted to announce that EFORT honours the Chinese Orthopaedic Association (COA) as "Invited Nation" at the 13th EFORT Congress in Berlin.

## Welcome Address



Ass. Prof. Per Kjærsgaard-Andersen  
Chairman EFORT Scientific Committee

Prof. Dr. Dieter Wirtz  
Chairman LOC Berlin 2012

Prof. Dr. Karsten Dreinhöfer  
Chairman LOC Berlin 2012

Dear Colleagues,

Welcome to Berlin and the 13th Congress of the European Federation of National Associations of Orthopaedics and Traumatology (EFORT), from May 23-25 at the ICC International Congress Centrum in Berlin. We hope that this meeting will be a stimulating experience in orthopaedic training, research and technology, with previews of new concepts and discoveries in the orthopaedic arena.

The EFORT Scientific Committee and the Local Scientific Committee have together designed an outstanding programme. A wealth of Symposia, Instructional Lectures, and four Experts-Meet-Experts sessions will cover exciting and relevant topics. All of these sessions are led by European experts and a renowned faculty. A large number of Free Paper sessions on the latest scientific and clinical studies and – last but not least – the e-posters and wall posters, guarantee that you will make the most of your EFORT Congress in Berlin.

Trauma has been selected as the main focus of the 13th EFORT Congress, with several sessions dealing with a full range of aspects of diagnosing and treating trauma of the musculo-skeletal system. In addition, there will be a car crash scenario set up just outside the congress centre on Friday, 25 May, during the 10.45 coffee break. Berlin marks the debut for a new type of session. There will be three Crossfire Discussions on controversial topics on which opinions in the professional world differ. Please go along and add your voice to the debate.

In our plenary sessions, two distinguished international speakers have accepted our invitation to give this year's Honorary Lectures. Professor Bernard Morrey from Rochester, USA will talk on "The Elbow: Evolution of viable solutions", and Professor Reinhold Ganz from Bern, Switzerland, will give the lecture "Anatomical reconstruction of the hip with slipped capital femoral epiphysiolysis justified by pathophysiological findings".

The European Specialty Societies work closely with EFORT, and are directly involved in the overall scientific and training programme. A total of 19 Specialty Society sessions will run during the Congress in Berlin, while distinguished members of these societies will also act as speakers and moderators in other sessions.

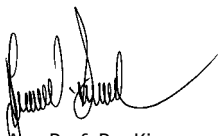
As in Copenhagen last year, a full-day nurse's programme has been created for Berlin. The full-day Comprehensive Review Course is here to stay, once again providing our younger colleagues with a good overview of our field, and offering a great recap to those preparing for the EBOT examination. And for the fourth congress in a row, a Tribology Day will be held during which speakers of international repute will share with us their knowledge on wear and other aspects relating to bearings in total joint replacements.

The industry and its great support for our Congress will also be very visible in Berlin, with a total of 25 training sessions dealing with all aspects of our field.

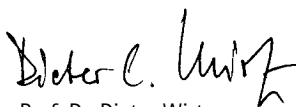
There can be no congress without a programme of social highlights. In Berlin, we would particularly like to mention the Opening Ceremony on Wednesday afternoon at the Congress venue, and the Berlin Night at Kaufhaus Des Westens (KaDeWe) on Thursday evening.

Berlin is a very inviting city with plenty of historical buildings within walking and cycling distance of the city centre. Don't forget to visit the famous Brandenburg Gate, the Reichstag building with its fascinating cupola, the remains of the Berlin Wall and the tremendous Museum Island, a UNESCO World Heritage Site, for special memories of the lovely German capital.

Welcome to Berlin!



Ass. Prof. Per Kjærsgaard-Andersen  
Chairman EFORT Scientific Committee

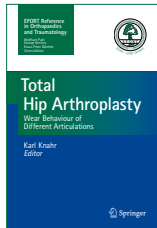


Prof. Dr. Dieter Wirtz  
Chairman LOC Berlin 2012



Prof. Dr. Karsten Dreinhöfer  
Chairman LOC Berlin 2012

## Get the latest news on the EFORT Publications



### TOTAL HIP ARTHROPLASTY

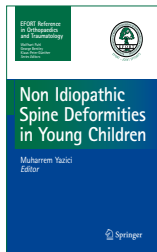
#### **Wear behaviour of different articulations**

Analysis in the use of ceramics in total hip arthroplasty

- Discusses the effectiveness of new polyethylenes
- Addresses concerns metal wear
- Evaluates currently used articulation materials
- Considers clinical outcomes

Editor: Karl Knahr

Hot off the press 2012!



### NON IDIOPATHIC SPINE DEFORMITIES IN YOUNG CHILDREN

Non idiopathic early onset scoliosis represents a true challenge to the physician due to the significance of the ongoing growth of spine, the risk of curve progression, and the risk of pulmonary insufficiency. A comprehensive review of the growth mechanisms of spine in infancy forms the basis of the book.

Editor: Muharrem Yazici



### EFORT JOURNAL - EUROPEAN ORTHOPAEDICS AND TRAUMATOLOGY

Official Journal of EFORT

Editor-in-Chief: Wolfhart Puhl

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## COMPREHENSIVE REVIEW COURSE

Session Title	Moderators	Category	Room	Time
<b>24 May 2012</b>				
Moderator	Suva, Domizio	General education	Oslo	08:00-18:00

## CONTROVERSIAL CASE DISCUSSION

Session Title	Moderators	Category	Room	Time
<b>23 May 2012</b>				
DDH at different ages	Chomiak, Jiri / Czubak, Jaroslav	Paediatrics	Hall 6	09:00-10:30
Whats new in paediatric trauma?	Cassiano Neves, Manuel	Paediatrics	Hall 6	13:30-15:00

### 24 May 2012

Osteotomies in severe knee deformity	Toksvig-Larsen, Søren	Knee osseous	Hall 6	09:15-10:45
Differential diagnostic aspects of musculoskeletal tumors	Szendrői, Miklós	Bone & joint tumours	Hall 6	14:15-15:45

### 25 May 2012

The posttraumatic infection	Borens, Olivier	Infection	Hall 6	09:15-10:45
When to do what in multiple fractures patients	Giannoudis, Peter	Polytrauma/pelvis	Hall 6	14:15-15:45

## CROSS-FIRE-DISCUSSION

Session Title	Moderators	Category	Room	Time
<b>23 May 2012</b>				
SCFE - Slipped Capital Femoral Epiphysis	Krauspe, Rüdiger	Paediatrics	Hall 6	11:00-12:00

### 24 May 2012

Osteoporotic vertebral fractures: vertebro-/kyphoplasty vs. conservative treatment	Cáceres Palou, Enric	Osteoporosis	Hall 6	11:15-12:15
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### 25 May 2012

Hip replacement: Cemented vs. non-cemented stems in geriatric patients	Günther, Klaus-Peter	Hip	Hall 6	11:15-12:15
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## Session Overview

EXMEX				
Session Title	Moderators	Category	Room	Time
<b>23 May 2012</b>				
Revision in cruciate ligament reconstruction	Denti, Matteo	Sports/knee soft-tissue	Hall 8	13:30-18:15
<b>24 May 2012</b>				
Acetabular fractures	Stöckle, Ulrich	Trauma lower limb	Hall 8	08:00-12:15
Osteoporosis and operative treatment of fragility fractures	Lauritzen, Jes Bruun	Osteoporosis	Hall 8	14:15-18:30
<b>25 May 2012</b>				
Periprosthetic fractures around the hip and knee	Macheras, George	Hip	Hall 8	08:00-12:15
FREE PAPER				
Session Title	Moderators	Category	Room	Time
<b>23 May 2012</b>				
Distal radius fracture	Burger, Christof / Ciritsis, Bernard	Hand & wrist	Hall 9	09:00-10:30
New topics in foot and ankle	Felicissimo, Paolo / Lauritzen, Jes Bruun	Foot/ankle/leg	Istanbul	09:00-10:30
Outcome after knee replacement I	Emmeluth, Claus / Heller, Karl-Dieter	Knee osseous	Madrid	09:00-10:30
Fractures around the shoulder	Brunner, Ulrich / Tokgozoglu, Mazhar	Shoulder/elbow, arm/forearm	Hall 7	09:00-10:30
Rotator cuff lesion: Diagnostic & treatment	Cartucho, Antonio / Thélu, Charles-Edouard	Shoulder/elbow, arm/forearm	Hongkong	09:00-10:30
Knee ligaments	Jerosch, Jörg / Victor, Jan	Sports/knee soft-tissue	Sydney	11:00-12:00
Carpal disorders I	Kopylov, Philippe / Marks, Miriam	Hand & wrist	Hall 9	11:00-12:00
Sarcoma I	Capanna, Rodolfo / Dürr, Hans-Roland	Bone & joint tumours	Hall 10	11:00-12:00
The patello-femoral joint	Heppt, Peter / Wagner Kristensen, Per	Knee osseous	Madrid	11:00-12:00
Hip: Soft-tissue	Böhler, Nikolaus / Verettas, Dionysios	Hip	Hall 8	11:00-12:00
Fractures around the elbow	Burger, Christof / Kovacic, Ladislav	Shoulder/elbow, arm/forearm	Hongkong	11:00-12:00
Trauma upper limb I	Josten, Christof / Lambert, Simon	Trauma upper limb	Hall 4/5	11:00-12:00
Polytrauma/pelvis I	Castelli, Claudio Carlo / Pohlemann, Tim	Polytrauma/pelvis	Hall 7	11:00-12:00
Nurse oral presentations I	Hommel, Ami / Kocks, Andreas	Nurse	Oslo	11:00-12:00

## FREE PAPER

Session Title	Moderators	Category	Room	Time
<b>23 May 2012</b>				
Ankle ligaments	Lauritzen, Jes Bruun / Zwiip, Hans	Foot/ankle/leg	Istanbul	13:30-15:00
Outcome after knee replacement II	Synder, Marek / von Knoch, Fabian	Knee osseous	Madrid	13:30-15:00
Total knee replacement: Design efforts	Kienapfel, Heino / Verdonk, René	Knee osseous	Hall 10	13:30-15:00
Short stems and Ceramic-on-Ceramic bearings	Benazzo, Francesco / Hernigou, Philippe	Hip	Sydney	13:30-14:30
Outcome of total hip replacement	Puget, Jean / Tözün, Remzi	Hip	Hall 3	13:30-15:00
Fractures around the knee	Bégué, Thierry / Burger, Christof	Trauma lower limb	Hall 7	13:30-15:00
Miscellaneous	Bail, Hermann / Candrian, Christian	Polytrauma/pelvis	Hall 4/5	13:30-15:00
Nurse oral presentations II	Hommel, Ami /Kocks, Andreas	Nurse	Oslo	14:00-15:00
New trends	Lascombes, Pierre / Paterson, Mark	Paediatrics	Hall 6	15:30-16:30
Carpal disorders II	Herren, Daniel / Masméjean, Emmanuel	Hand & wrist	Hall 9	15:30-16:30
Metal-on-Metal bearings I	Gill, Richie / Migaud, Henri	Hip	Hall 4/5	15:30-16:30
Hip: Implant impingement and CDH	König, Dietmar / Timperley, John	Hip	Hall 3	15:30-16:30
Trauma upper limb II	Muñoz Vives, Josep / Weber, Oliver	Trauma upper limb	Hongkong	15:30-16:30
Polytrauma/pelvis II	Giannoudis, Peter / Müller, Marcus	Polytrauma/pelvis	Hall 7	15:30-16:30
Nurse oral presentations III	Hommel, Ami / Kocks, Andreas	Nurse	Oslo	16:00-17:20
Soft-tissue disorders	Haerle, Max / Mathoulin, Christophe	Hand & wrist	Hall 9	16:45-18:15
Hallux valgus and related issues	Delmi, Marino / Stephens, Michael	Foot/ankle/leg	Istanbul	16:45-17:45
Total knee replacement - miscellaneous	Lohmann, Christoph / Sur, Hakki	Knee osseous	Hall 10	16:45-17:45
Metal-on-Metal bearings II	Gill, Richie / Migaud, Henri	Hip	Hall 4/5	16:45-17:45
<b>24 May 2012</b>				
Knee and sports trauma I	Cobb, Justin / Dejour, David	Sports/knee soft-tissue	Hall 10	08:00-09:00
Degenerative conditions I	Consciencia, Guimaraes / Kabir, Koroush	Spine	Hongkong	08:00-09:00
Deep Vein Thrombosis prophylaxis in lower limb trauma and joint replacement	Jäger, Marcus / Lauritzen, Jes Bruun	General orthopaedics	Sydney	08:00-09:00
Benign tumours	Capanna, Rodolfo / Gosheger, Georg	Bone & joint tumours	Hall 6	08:00-09:00

## Session Overview

## 24 May 2012

Shoulder instability I	Gerhardt, Christian / Sanderhoff-Olsen, Bo	Shoulder/elbow, arm/forearm	Madrid	08:00-09:00
Resurfacing I	Field, Richard / Günther, Klaus-Peter	Hip	Istanbul	08:00-09:00
Intertrochanteric fractures I	Bégué, Thierry / Hoffmann, Reinhard	Trauma lower limb	Stockholm	08:00-09:00
Experimental & miscellaneous I	Ruchholtz, Steffen / Rueger, Johannes	Trauma lower limb	Hall 4/5	08:00-09:00
Hip: Various including pelvic osteotomy	Ganz, Reinhold / Overgaard, Søren	Hip	Hall 4/5	09:15-10:15
Knee and sports trauma II	Engebretsen, Lars / Verdonk, René	Sports/knee soft-tissue	Hall 10	11:15-12:15
Degenerative conditions II	Fokter, Samo / Kabir, Koroush	Spine	Hongkong	11:15-12:15
Thromboembolism and blood management	Forriol, Francisco / König, Dietmar	Knee osseous	Hall 7	11:15-12:15
Shoulder instability II	Gerhardt, Christian / Sanderhoff-Olsen, Bo	Shoulder/elbow, arm/forearm	Madrid	11:15-12:15
Resurfacing II	Böhler, Niklaus / Hendrich, Christian	Hip	Istanbul	11:15-12:15
Outcome of total hip arthroplasty and hip arthroscopy	Binazzi, Roberto / Kjærsgaard-Andersen, Per	Hip	Sydney	11:15-12:15
Experimental & miscellaneous II	Pape, Hans-Christoph / Ríos, Antonio	Trauma lower limb	Hall 4/5	11:15-12:15
Diagnostic and treatment procedure in prosthesis infections I	Borens, Olivier / Heppert, Volkmar	Infection	Hall 10	14:15-15:45
Hip & foot	Jäger, Marcus / Ömeroglu, Hakan	Paediatrics	Istanbul	14:15-15:45
Hip and knee replacement: Important information	Grützner, Paul Alfred / Kärrholm, Johan	General orthopaedics	Sydney	14:15-15:45
Unicompartmental knee arthroplasty	Nelissen, Rob / Siebert, Christian	Knee osseous	Hall 7	14:15-15:45
Non-union/infection	Lavini, Franco / Schaser, Klaus-Dieter	Trauma lower limb	Hall 4/5	14:15-15:45
Diagnostic and treatment procedures in prosthesis infections II	Pavlovic, Vinko / Wirtz, Dieter	Infection	Hall 10	16:15-17:15
Deformity	Christodoulou, Anastasios / Pflugmacher, Robert	Spine	Hongkong	16:15-17:15
Experimental bone healing	Schmidmaier, Gerhard / von Stein, Thomas	General orthopaedics	Hall 9	16:15-17:15
Sarcoma II	Balacó, Ines / Windhager, Reinhard	Bone & joint tumours	Hall 6	16:15-17:15
Osteotomies around the knee I	Siebert, Christian / Toksvig-Larsen, Søren	Knee osseous	Hall 7	16:15-17:15
Total hip replacement - acetabular fracture	Macheras, George / Sur, Hakki	Hip	Istanbul	16:15-17:15
Revision total hip replacement I	Hendrich, Christian / Merloz, Philippe	Hip	Sydney	16:15-17:15
Femoral neck fracture	Guerado, Enrique / Südkamp, Norbert	Trauma lower limb	Stockholm	16:15-17:15



## 24 May 2012

Diagnostic and treatment procedures in prosthesis infections III	Heppert, Volkmar / Overgaard, Søren	Infection	Hall 10	17:30-18:30
Basic Science / Biomechanics	Christodoulou, Anastasios / Pflugmacher, Robert	Spine	Hongkong	17:30-18:30
Sarcoma III	Balacó, Ines / Windhager, Reinhard	Bone & joint tumours	Hall 6	17:30-18:30
Osteotomies around the knee II	Siebert, Christian / Toksvig-Larsen, Søren	Knee osseous	Hall 7	17:30-18:30
Total hip replacement - femoral fracture	Halder, Andreas / Sur, Hakki	Hip	Istanbul	17:30-18:30
Revision total hip replacement II	Ambrosio, Luigi / Gravius, Sascha	Hip	Sydney	17:30-18:30
Femoral neck fracture - hemiarthroplasty	Guerado, Enrique / Südkamp, Norbert	Trauma lower limb	Stockholm	17:30-18:30
Trauma lower limb I	Blauth, Michael / Goost, Hans	Trauma lower limb	Hall 4/5	17:30-18:30

## 25 May 2012

Anterior cruciate ligament reconstruction	Doral, Mahmut / Georgoulis, Anastasios	Sports/knee soft-tissue	Hall 10	08:00-09:00
Trauma & miscellaneous I	Aydingöz, Önder / Blatter, Thomas	Spine	Sauerbruch	08:00-09:00
Polyethylen wear in total hip replacement	De Steiger, Richard / Malchau, Henrik	Tribology	Istanbul	08:00-09:00
The foot at risk	Besse, Jean-Luc / Delmi, Marino	Foot/ankle/leg	Hall 9	08:00-09:00
Basic research in shoulder diseases	Marcacci, Maurilio / Scarlat, Marius	Shoulder/elbow, arm/forearm	Hall 6	08:00-09:00
Hip: Miscellaneous	Forriol, Francesco / Sur, Hakki	Hip	Hall 7	08:00-09:00
Hip: Femoral head necrosis and bone remodelling	Chen, Xiaodong / Santori, Nicola	Hip	Sydney	08:00-09:00
Trauma lower limb II	Kralinger, Franz / Stuby, Fabian	Trauma lower limb	Hall 4/5	08:00-09:00
Pain in knee osteoarthritis: Treatment before, during and after joint replacement	Heller, Karl-Dieter / Theiler, Robert	Pain Control/ rehabilitation and non-surgical management	Sauerbruch	09:15-10:45
Total shoulder arthroplasty	Jost, Bernhard / Thélu, Charles-Edouard	Shoulder/elbow, arm/forearm	Oslo	09:15-10:45
Femoral neck fracture	Bel, Jean-Christophe / Goost, Hans	Trauma lower limb	Stockholm	09:15-10:45
Miscellaneous	Elsig, Jean Pierre / Merloz, Philippe	Spine	Sydney	11:15-12:15
Trauma & miscellaneous II	Berk, Haluk / Bünger, Cody	Spine	Sauerbruch	11:15-12:15
Clinical data related to hip tribology	Fisher, John / Grimm, Bernd	Tribology	Istanbul	11:15-12:15
Ankle: Prosthesis /Arthrodesis	Calori, Giorgio Maria / Ciritsis, Bernard	Foot/ankle/leg	Hall 9	11:15-12:15
Sarcoma IV	Pennekamp, Peter / Szendroi, Miklós	Bone & joint tumours	Oslo	11:15-12:15

# Session Overview

## 25 May 2012

Osteoporosis, fragility fractures and secondary prevention	Åkesson, Kristina / Kurth, Andreas	Osteoporosis	Hall 10	11:15-12:15
Total hip arthroplasty	Märtson, Åare / Zagra, Luigi	Hip	Hall 3	11:15-12:15
Hip replacement: Bleeding and prevention	Argenson, Jean-Noël / Gravius, Sascha	Hip	Hall 7	11:15-12:15
Intertrochanteric fractures II	Biberthaler, Peter / Schaser, Klaus-Dieter	Trauma lower limb	Stockholm	11:15-12:15
Complications / Infection	Aydingöz, Önder / Cáceres Palou, Enric	Spine	Sauerbruch	14:15-15:45
Total knee replacement: Technique and navigation I	Forriol, Francisco / Röhrig, Herbert	Knee osseous	Hall 8	14:15-15:45
Hip replacement: Navigation and imaging	Kjærsgaard-Andersen, Per / Wirtz, Dieter	Hip	Hall 7	14:15-15:45
Trauma	Cassiano Neves, Manuel / Hagglund, Gunnar	Paediatrics	Hall 4/5	16:00-17:30
Risk factors for osteoarthritis	Meurer, Andrea / Santori, Nicola	General orthopaedics	Hall 6	16:00-17:00
Total knee replacement: Technique and navigation II	Maestro, Antonio / Perka, Carsten	Knee osseous	Hall 8	16:00-17:30
Hip displasia-impingement	Haddad, Fares / Siebenrock, Klaus	Hip	Hall 7	16:00-17:30

## HONORARY LECTURE

Session Title		Category	Room	Time
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## 24 May 2012

Moderator: Erwin Morscher Honorary Lecture	Hoffmeyer, Pierre Ganz, Reinhold	Hip	Hall 3	12:15-12:45
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## 25 May 2012

Moderator: Michael Freeman Honorary Lecture	Hoffmeyer, Pierre Morrey, Bernard	Shoulder/elbow, arm/forearm	Hall 3	12:15-12:45
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## INSTRUCTIONAL LECTURE

Session Title	Moderator/Lecturer	Category	Room	Time
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## 23 May 2012

Recementing in revision total hip replacement	Siebenrock, Klaus / Timperley, John	Hip	Hall 3	11:00-12:00
Arthroscopic treatment of intraarticular fractures of the knee	Schmidmaier, Gerhard / Tandogan, Reha	Trauma lower limb	Stockholm	11:00-12:00
Treatment of metatarsalgia	Valderrabano, Victor / Besse, Jean-Luc	Foot/ankle/leg	Istanbul	11:00-12:00
Infection of the spine	Berk, Haluk / Consciencia, Guimaraes	Spine	Sydney	15:30-16:30
Management of ankle osteoarthritis	Besse, Jean-Luc / Valderrabano, Victor	Foot/ankle/leg	Istanbul	15:30-16:30

## INSTRUCTIONAL LECTURE

Session Title	Moderator/Lecturer	Category	Room	Time
<b>23 May 2012</b>				
Proximal humeral fractures	Lambert, Simon / Südkamp, Norbert	Trauma upper limb	Stockholm	15:30-16:30
Acute infection after osteosynthesis	Cordero-Ampuero, José / Heppert, Volkmar	Infection	Hall 10	15:30-16:30

## 24 May 2012

New trends in avascular necrosis of the femoral head	Zagra, Luigi / Malizos, Konstantinos	Hip	Hall 3	08:00-09:00
Indications for knee arthroplasty	Toksvig-Larsen, Søren / Böhler, Nikolaus	Knee osseous	Hall 7	08:00-09:00
The multi-modal approach to metastatic disease	Laitinen, Minna / Hardes, Jendrik	Bone & joint tumours	Hall 9	08:00-09:00
Navigation and hip surgery	Howell, Jonathan / Merloz, Philippe	Hip	Hall 3	11:15-12:15
How to manage osteolytic lesions - diagnosis and treatment	Laitinen, Minna / Hardes, Jendrik	Bone & joint tumours	Hall 9	11:15-12:15
Proximal femoral fractures	Südkamp, Norbert / Moran, Christopher	Trauma lower limb	Stockholm	11:15-12:15
The spectrum of polytrauma	Gebhard, Florian / Hoffmeyer, Pierre	Polytrauma/pelvis	Hall 4/5	16:15-17:15
Multimodal treatment of back pain	Wagner, Christof / Casser, Hans-Raimund	Pain Control/ rehabilitation and non-surgical management	Hall 9	17:30-18:30

## 25 May 2012

Instability following total hip arthroplasty	Ovesen, Ole / Günther, Klaus-Peter	Hip	Hall 3	08:00-09:00
Treatment of osteonecrosis of the knee	Benazzo, Francesco / Beyzadeoglu, Tahsin	Knee osseous	Hongkong	08:00-09:00
Ankle fractures	Bel, Jean-Christophe / Zwipp, Hans	Trauma lower limb	Stockholm	08:00-09:00
Patellar fracture and dislocation	Neyret, Philippe / Bel, Jean-Christophe	Knee osseous	Hall 4/5	11:15-12:15
Rehabilitation after knee surgery	Pye, Peggy-Anne / Dreinhöfer, Karsten	General orthopaedics	Hongkong	11:15-12:15

## SPECIALTY SESSION

Session Title	Moderators	Society	Room	Time
<b>23 May 2012</b>				
Anticoagulation and surgery	Dahl, Ola	ISTF - International Surgical Thrombosis Forum	Hall 10	09:00-10:30

## Session Overview

SPECIALTY SESSION				
Session Title	Moderators	Society	Room	Time
<b>23 May 2012</b>				
Life threatening pelvic injuries? An update	Giannoudis, Peter / Pohlemann, Tim	ESPA - European Society of Pelvic and Acetabular Surgery	Stockholm	09:00-10:30
Innovation in plate osteosynthesis - biomechanics of plate osteosynthesis with implications for bone healing	Haas, Norbert / Renner, Nikolaus	AO Trauma	Stockholm	13:30-15:00
Scores & tools for clinical outcome assessment	Grimm, Bernd	EORS - European Orthopaedic Research Society	Madrid	15:30-16:30
Advancing orthopaedics and trauma nursing through international collaboration	Hommel, Ami / Kocks, Andreas	ICON - International Collaboration of Orthopaedic Nursing	Oslo	15:30-16:00
Primary and secondary joint replacement after fractures: Proven principles and new options	Biberthaler, Peter	ARTOF - Association for the Rational Treatment of Fractures	Stockholm	16:45-18:15
Pressure ulcer	Hommel, Ami / Kocks, Andreas	EWMA - European Wound Management Association	Oslo	17:20-18:20
<b>24 May 2012</b>				
Artificial nerve-guides in peripheral nerve trauma	Ambrosio, Luigi	ESB - European Society of Biomaterials	Hongkong	09:15-10:45
Differential treatment of femur fractures	Marzi, Ingo / Rommens, Pol	ESTES - European Society for Trauma and Emergency Surgery	Stockholm	09:15-10:45
Orthopaedics in wounds - a multidisciplinary approach	Bale, Sue	EWMA - European Wound Management Association	Sydney	09:15-10:45
Wrist arthroscopy, standard procedures	Haerle, Max / Szabo, Zsolt	FESSH / EWAS - Federation of European Societies for Surgery of the Hand / European Wrist Arthroscopy Society	Madrid	16:15-18:30
Conservative treatment of osteoarthritis of the hip	Krismer, Martin / Zagra, Luigi	EHS - European Hip Society	Hall 3	16:15-18:30
<b>25 May 2012</b>				
Cervical spine and treatment algorithms	Schnake, Klaus	AO Spine	Madrid	08:00-09:00
Spondylolysis and spondylolisthesis	Berk, Haluk	EuroSpine - The Spine Society of Europe	Madrid	09:15-10:45

## 25 May 2012

Sport injuries around the ankle joint - evidence based management	Delmi, Marino	EFAS - European Foot and Ankle Society	Hall 9	09:15-10:45
Minimally invasive approach to degenerative disc disease	Menchetti, Pierre Paolo	ISLASS - International Society of Laser Assisted and Percutaneous Procedures in Spinal Surgery	Madrid	11:15-12:15
Surgical dilemmas of the rheumatoid ankle and foot	Nelissen, Rob	ERASS - European Rheumatism Arthritis Surgical Society; EFAS - European Foot & Ankle Society	Madrid	14:15-17:30
Sport related compressions at the upper limb	Adamczyk, Grzegorz / Felmet, Gernot	EFOST - European Federation of National Associations of Orthopaedic Sports Traumatology	Hongkong	14:15-15:45
Preservation techniques for adolescent hip problems	Eastwood, Deborah / Krauspe, Rüdiger	EPOS - European Paediatric Orthopaedic Society	Sydney	14:15-17:30
Foot and ankle infections	Romano, Carlo / Wagner, Christof	EBJIS - European Bone & Joint Infection Society	Hall 9	14:15-15:45
ACL reconstruction in football players	Espregueira-Mendes, Joao / Zaffagnini, Stefano	ESSKA - European Society of Sports Traumatology, Knee Surgery and Arthroscopy	Hall 3	14:15-15:15
Knee replacement and sport	Argenson, Jean-Noël	ESSKA - European Society of Sports Traumatology, Knee Surgery and Arthroscopy	Hall 3	15:15-16:15
First dislocation in athletes	Funk, Lennard / Scheibel, Markus	ESSKA - European Society of Sports Traumatology, Knee Surgery and Arthroscopy	Hall 3	16:15-17:30
Sport related compressions at the lower limb	Adamczyk, Grzegorz / Felmet, Gernot	EFOST - European Federation of National Associations of Orthopaedic Sports Traumatology	Hongkong	15:45-17:30
An update on training of orthopaedic residents in Europe and information about fellowships	Gurel, Enis	FORTE - Federation of Orthopaedic Trainees in Europe	Hall 10	16:00-17:30

## Session Overview

SYMPOSIUM				
Session Title	Moderators	Category	Room	Time
<b>23 May 2012</b>				
Biologic approaches to enhance fracture healing	Marcacci, Maurilio	Polytrauma/pelvis	Hall 4/5	09:00-10:30
Hip arthroscopy	Villar, Richard	Hip	Hall 3	09:00-10:30
Meniscus surgery: From repair to replacement	Engebretsen, Lars	Sports/knee soft-tissue	Sydney	09:00-10:30
The future of orthopaedic journals	Hoffmeyer, Pierre / Thorngren, Karl-Göran	General orthopaedics	Hall 8	09:00-10:30
Shoulder instability: The European approach	Gazielly, Dominique	Shoulder/elbow, arm/forearm	Hongkong	13:30-15:00
Hand surgery in osteo-articular (O.A.) and rheuma diseases: What's new?	Masmejean, Emmanuel / Nelissen, Rob	Hand & wrist	Hall 9	13:30-15:00
Knee dislocation	Hangody, Laszlo	Trauma lower limb	Hall 7	16:45-18:15
The dysplastic hip in the young adults	Siebenrock, Klaus	Hip	Hall 3	16:45-18:15
Rotator cuff tears	Randelli, Pietro	Shoulder/elbow, arm/forearm	Hongkong	16:45-18:15
Stem cells therapy in orthopaedics	Hernigou, Philippe	General Orthopaedic	Madrid	16:45-18:15
Swollen joint in children	Viehweger, Elke	Paediatrics	Hall 6	16:45-18:15
Europe on the move	Puhl, Wolfhart	General education	Sydney	16:45-18:15
<b>24 May 2012</b>				
Bone defect reconstruction in hip revision arthroplasty	Wirtz, Dieter	Hip	Hall 3	09:15-10:45
Bone substitutes	Bégué, Thierry	General Orthopaedics	Hall 9	09:15-10:45
Primary knee arthroplasty in fractures	Gamulin, Axel	Knee osseous	Hall 7	09:15-10:45
Patellofemoral pain: A global approach	Dejour, David	Sports/knee soft-tissue	Hall 10	09:15-10:45
Adolescent avascular necrosis	Krauspe, Rüdiger	Paediatrics	Istanbul	09:15-10:45
EFORT-EULAR symposium: Recommendations on treatment of the patient with fragility fractures	Dreinhöfer, Karsten / Lems, Willem / Puhl, Wolfhart	Osteoporosis	Madrid	09:15-10:45
Modern concepts in rehabilitation	Kladny, Bernd	Pain control / rehabilitation and non-surgical management	Hongkong	14:15-15:45
Total knee arthroplasty in China and Europe: Current issues	Puhl, Wolfhart / Wang, Yan	Knee osseous	Hall 9	14:15-15:45
EFORT-IOF bone fragility management symposium	Dreinhöfer, Karsten / Rizzoli, René	Osteoporosis	Madrid	14:15-15:45
Injury prevention	Lob, Günter / Siebert, Hartmut	General Orthopaedics / complications / basic science / technology	Stockholm	14:15-15:45

## 24 May 2012

Short-term effects of national arthroplasty registers	Böhler, Nikolaus / Labek, Gerold	General Orthopaedics / complications / basic science / technology	Hall 3	14:15-15:45
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## 25 May 2012

Imaging and navigation in fracture treatment	Gebhard, Florian	Polytrauma/pelvis	Hall 4/5	09:15-10:45
Cemented total hip arthroplasty – a proven but forgotten concept?	Kjærsgaard-Andersen, Per	Hip	Hall 3	09:15-10:45
Large diameter heads: Risk/benefit?	Tranquilli Leali, Paolo	Tribology	Istanbul	09:15-10:45
Knee arthroplasty in special cases	Baldini, Andrea	Knee osseous	Hongkong	09:15-10:45
Minimal invasive pain treatment	Schott, Cordelia	Pain Control/ rehabilitation and non-surgical management	Sydney	09:15-10:45
Statistical analysis in orthopaedic clinical studies	Lübbecke-Wolff, Anne	General education	Hall 7	09:15-10:45
Fragility fractures around the knee	Mutschler, Wolf	Osteoporosis	Hall 10	09:15-10:45
Radial head fractures: Fix, replace or remove?	Muñoz Vives, Josep	Trauma upper limb	Stockholm	14:15-15:45
Osteoporotic proximal humerus fractures: How we solve it	Blauth, Michael	Osteoporosis	Hall 10	14:15-15:45
TOCS: Trauma and orthopaedics in conflict and post-conflict settings	Ciritsis, Bernard	Polytrauma/pelvis	Hall 4/5	14:15-15:45
Polyethylen / Ceramic	Knahr, Karl	Tribology	Istanbul	14:15-15:45
Metal-on-Metal bearings	Murray, David	Tribology	Istanbul	16:00-17:30
Traumatic major limb amputations	Simmermacher, Rogier	Polytrauma/pelvis	Stockholm	16:00-17:30
Flatfoot: From childhood to the adult	Delmi, Marino	Foot/ankle/leg	Hall 9	16:00-17:30
Lumbar spinal stenosis: An update	Fokter, Samo	Spine	Sauerbruch	16:00-17:30

## WORKSHOP

Session Title	Moderators	Category	Room	Time
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## 23 May 2012

Workshop: Writing for publication in nursing journals	Hommel, Ami / Kocks, Andreas	Nurse	Oslo	09:00-10:30
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## 24 May 2012

Speaker coaching workshop	Cole, Angela	General education	Koch	09:00-13:00
Speaker coaching workshop	Cole, Angela	General education	Koch	14:00-18:00

## 25 May 2012

Speaker coaching workshop	Cole, Angela	General education	Koch	09:00-13:00
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# Session Overview

## 25 May 2012

Online databases and literature search techniques for orthopedic surgeons	Kucukdurmaz, Fatih	General education	Oslo	14:15-15:45
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## INDUSTRY SYMPOSIUM

Session Title	Chair	Industry	Room	Time
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## 23 May 2012

Management of bone healing challenges: Achieving more with osteobiologics	Hamadouche, Moussa	Medtronic	Istanbul	12:00-13:30
New medical glove to improve safety in the operating room	Assadian, Ojan	Ansell Healthcare Europe	Oslo	12:00-13:30
More personalised approaches to knee and shoulder arthroplasty: Innovative solutions for early interventions	Cresser-Brown, John	Zimmer GmbH	Hall 4/5	12:00-13:30
Benefits of new oral anticoagulants (NOAC's) in orthopedic surgery: A multi-angle assessment	Spannagl, Michael	Pfizer/BMS	Stockholm	12:00-13:30
Secondary prevention of fragility fractures I-Pod touch multimedia poster session and I-Pod touch casebased video presentation		Eli Lilly	Hall 2	12:00-13:30
Overview of 35 years Oxford and current developments Oxford partial knee with Signature Personalised Patient Care		Biomet	Madrid	12:00-13:30
Real solutions transforming real lives		DePuy Orthopaedics	Hongkong	12:00-13:30

## 24 May 2012

Transforming thromboprophylaxis: The transition of rivaroxaban from concept to clinic – a discussion	Mouret, Patrick / Turpie, Alexander	Bayer Healthcare	Hall 3	12:45-14:15
Clinical success with Mathys innovations	Siebert, Werner	Matthys Ltd., Bettlach	Hall 7	12:45-14:15
Hip revision & trauma: Solutions for fractures of the proximal femur	Cresser-Brown, John	Zimmer GmbH	Hongkong	12:45-14:15
Primary patient specific management: How different hips need their own matching philosophy	Benazzo, Francesco / Ascherl, Rudolf	Limacorporate S.p.A	Stockholm	12:45-14:15
Managing the modern patient THA	Cherubino, Paolo	Stryker SA	Sydney	12:45-14:15
Innovations in intramedullary nailing	Blauth, Michael	Synthes GmbH	Hall 4/5	12:45-14:15
Contemporary treatment of complex arthroplasty		Biomet	Hall 9	12:45-14:15
Status & future of rapid recovery THA & TKA	Kehlet, Henrik	Biomet Europe	Madrid	12:45-14:15



## 24 May 2012

SMF & Verilast – the step beyond standard hip replacement	Falez, Francesco	Smith & Nephew Orthohpaedics AG	Hall 10	12:45-14:15
Hands across time: Past, present and future in Dupuytren's contracture	Dudley, Antonio	Pfizer Ltd.	Istanbul	12:45-14:15

## 25 May 2012

Hip Technology Forum: Definitive overview for a personalised fit	Cresser-Brown, John	Zimmer GmbH	Hall 4/5	12:45-14:15
XIAPEX Training: Hands-on training course on correct use and administration		Pfizer Ltd.	Oslo	12:45-14:15
Knees – a balancing act	Catani, Fabio	Stryker SA	Sydney	12:45-14:15

## Abstracts Information

COUNTRY / CATEGORY	TOTAL	IN %	COUNTRY / CATEGORY	TOTAL	IN %	COUNTRY / CATEGORY	TOTAL	IN %
<b>UNITED KINGDOM</b>			<b>SPAIN</b>			<b>GREECE</b>		
Hip	193		Spine (incl. trauma)	44		Trauma lower limb	28	
General Orthopaedics/ complications/basic science/ technology	180		Hip	38		Hip	17	
Trauma lower limb	179		Knee osseous	36		Knee osseous	17	
Knee osseous	121		Shoulder/elbow, arm/forearm	27		Shoulder/elbow, arm/forearm	13	
Foot/ankle/leg	89		Trauma lower limb	27		Bone and joint tumours	11	
Shoulder/elbow, arm/forearm	89		Bone and joint tumours	26		Foot/ankle/leg	11	
Hand and wrist	56		Trauma upper limb	22		General Orthopaedics/ complications/basic science/ technology	11	
Paediatrics	53		General Orthopaedics/ complications/basic science / technology	20		Spine (incl. trauma)	9	
Sports/knee soft-tissue	49		Hand and wrist	20		Infection	8	
Trauma upper limb	47		Infection	18		Osteoporosis	7	
Spine (incl. trauma)	45		Sports/knee soft-tissue	17		Trauma upper limb	6	
Infection	28		Paediatrics	14		Sports/knee soft-tissue	5	
Polytrauma/pelvis	25		Foot/ankle/leg	10		Hand and wrist	4	
Pain control/rehabilitation and non-surgical management	15		Osteoporosis	6		Paediatrics	3	
Bone and joint tumours	10		Polytrauma/pelvis	5		Polytrauma/pelvis	3	
Nurse	5		Nurse	2				
Osteoporosis	5							
Tribology	3							
<b>United Kingdom Total</b>	<b>1192</b>	<b>30.28%</b>	<b>Spain Total</b>	<b>332</b>	<b>8.43%</b>	<b>Greece Total</b>	<b>153</b>	<b>3.89%</b>
<b>GERMANY</b>			<b>ITALY</b>			<b>JAPAN</b>		
Hip	68		Hip	40		Hip	53	
Shoulder/elbow, arm/forearm	44		Knee osseous	33		Knee osseous	18	
Spine (incl. trauma)	41		General Orthopaedics/ complications/basic science/ technology	20		Bone and joint tumours	9	
General Orthopaedics/ complications/basic science/ technology	39		Trauma lower limb	20		Shoulder/elbow, arm/forearm	7	
Knee osseous	36		Shoulder/elbow, arm/forearm	17		Foot/ankle/leg	6	
Infection	26		Spine (incl. trauma)	17		Spine (incl. trauma)	6	
Foot/ankle/leg	25		Bone and joint tumours	11		Trauma lower limb	6	
Bone and joint tumours	21		Sports/knee soft-tissue	11		General Orthopaedics/ complications/basic science/ technology	4	
Trauma lower limb	16		Trauma upper limb	11		Hand and wrist	3	
Hand and wrist	15		Infection	10		Paediatrics	2	
Polytrauma/pelvis	15		Foot/ankle/leg	9		Pain control/rehabilitation and non-surgical management	2	
Paediatrics	12		Hand and wrist	5		Infection	1	
Sports/knee soft-tissue	10		Paediatrics	5		Osteoporosis	1	
Trauma upper limb	7		Polytrauma/pelvis	2		Polytrauma/pelvis	1	
Pain control/rehabilitation and non-surgical management	5		Tribology	2		Sports/knee soft-tissue	1	
Tribology	5		Osteoporosis	1		Trauma upper limb	1	
Osteoporosis	3		Pain control/rehabilitation and non-surgical management	1				
Nurse	1							
<b>Germany Total</b>	<b>389</b>	<b>9.88%</b>	<b>Italy Total</b>	<b>215</b>	<b>5.46%</b>	<b>Japan Total</b>	<b>121</b>	<b>3.07%</b>

COUNTRY / CATEGORY	TOTAL	IN %	COUNTRY / CATEGORY	TOTAL	IN %	COUNTRY / CATEGORY	TOTAL	IN %
<b>FRANCE</b>			<b>SWITZERLAND</b>			<b>PORTUGAL</b>		
Knee osseous	21		Shoulder/elbow, arm/forearm	16		Shoulder/elbow, arm/forearm	11	
Hip	18		General Orthopaedics/ complications/basic science/ technology	13		Spine (incl. trauma)	10	
Shoulder/elbow, arm/forearm	13		Hip	13		Foot/ankle/leg	9	
Trauma lower limb	13		Infection	11		Hip	9	
Hand and wrist	10		Knee osseous	10		Knee osseous	9	
General Orthopaedics/ complications/basic science/ technology	8		Foot/ankle/leg	6		Hand and wrist	8	
Foot/ankle/leg	7		Bone and joint tumours	5		Paediatrics	8	
Bone and joint tumours	6		Paediatrics	5		Trauma lower limb	7	
Spine (incl. trauma)	5		Spine (incl. trauma)	5		Trauma upper limb	6	
Trauma upper limb	4		Sports/knee soft-tissue	5		Bone and joint tumours	5	
Infection	3		Nurse	4		Sports/knee soft-tissue	4	
Sports/knee soft-tissue	3		Trauma lower limb	4		Infection	3	
Paediatrics	2		Hand and wrist	2		General Orthopaedics/ complications/basic science/ technology	2	
Polytrauma/pelvis	2		Trauma upper limb	2		Polytrauma/pelvis	1	
			Polytrauma/pelvis	1				
			Tribology	1				
<b>France Total</b>	<b>115</b>	<b>2.92%</b>	<b>Switzerland Total</b>	<b>103</b>	<b>2.62%</b>	<b>Portugal Total</b>	<b>92</b>	<b>2.34%</b>
<b>TURKEY</b>			<b>UNITED STATES</b>			<b>DENMARK</b>		
Shoulder/elbow, arm/forearm	13		Hip	21		Hip	12	
Spine (incl. trauma)	12		General Orthopaedics/ complications/basic science/ technology	16		Nurse	12	
Bone and joint tumours	10		Knee osseous	16		Knee osseous	7	
Hip	10		Tribology	8		Pain control/rehabilitation and non-surgical management	6	
Trauma lower limb	9		Spine (incl. trauma)	7		Trauma lower limb	4	
Foot/ankle/leg	8		Shoulder/elbow, arm/forearm	6		Paediatrics	3	
Paediatrics	8		Sports/knee soft-tissue	6		Spine (incl. trauma)	3	
Sports/knee soft-tissue	8		Foot/ankle/leg	5		Sports/knee soft-tissue	3	
General Orthopaedics/ complications/basic science/ technology	7		Hand and wrist	4		Hand and wrist	2	
Trauma upper limb	6		Paediatrics	3		Shoulder/elbow, arm/forearm	2	
Hand and wrist	5		Nurse	2		Trauma upper limb	2	
Infection	5		Trauma lower limb	2		Bone and joint tumours	1	
Knee osseous	5		Trauma upper limb	2		Foot/ankle/leg	1	
Nurse	2		Bone and joint tumours	1		General Orthopaedics/ complications/basic science / technology	1	
						Infection	1	
						Osteoporosis	1	
<b>Turkey Total</b>	<b>108</b>	<b>2.74%</b>	<b>United States Total</b>	<b>99</b>	<b>2.51%</b>	<b>Denmark Total</b>	<b>61</b>	<b>1.55%</b>

## Abstracts Information

COUNTRY / CATEGORY	TOTAL	IN %	COUNTRY / CATEGORY	TOTAL	IN %	COUNTRY / CATEGORY	TOTAL	IN %
<b>NETHERLANDS</b>			<b>RUSSIAN FEDERATION</b>			Finland		
Hip	16	1	Foot/ankle/leg	10		Canada	16	0.41%
Knee osseous	12		Spine (incl. trauma)	9		Thailand	16	0.41%
General Orthopaedics/ complications/basic science/ technology	11		General Orthopaedics/ complications/basic science/ technology	6		China	15	0.38%
Hand and wrist	5		Trauma lower limb	5		Croatia	15	0.38%
Shoulder/elbow, arm/forearm	4		Hand and wrist	4		Albania	13	0.33%
Bone and joint tumours	2		Hip	4		Taiwan, China	13	0.33%
Foot/ankle/leg	2		Knee osseous	4		Slovenia	10	0.25%
Pain control/rehabilitation and non-surgical management	2		Paediatrics	3		Kazakhstan	9	0.23%
Trauma lower limb	2		Bone and joint tumours	2		Bosnia and Herzegovina	8	0.20%
Trauma upper limb	2		Polytrauma/pelvis	2		Saudi Arabia	7	0.18%
Osteoporosis	1		Shoulder/elbow, arm/forearm	2		Pakistan	6	0.15%
Paediatrics	1		Trauma upper limb	2		Singapore	5	0.13%
Spine (incl. trauma)	1		Infection	1		United Arab Emirates	5	0.13%
			Osteoporosis	1		Venezuela	5	0.13%
			Pain control/rehabilitation and non-surgical management	1		Kosovo	4	0.10%
<b>Netherlands Total</b>	<b>61</b>	<b>1.55%</b>	<b>Russian Federation Total</b>	<b>56</b>	<b>1.42%</b>	The Former Yugoslav Republic of Mazedonia	4	0.10%
<b>KOREA, REPUBLIC OF</b>			Romania	48	1.22%	Malta	4	0.10%
Knee osseous	28		Austria	47	1.19%	Sri Lanka	4	0.10%
Hip	19		Israel	42	1.07%	Belarus	3	0.08%
General Orthopaedics/ complications/basic science/ technology	5		Argentina	40	1.02%	Estonia	3	0.08%
Sports/knee soft-tissue	2		Ireland	38	0.97%	Indonesia	3	0.08%
Hand and wrist	1		Iran, Islamic Republic Of	36	0.91%	Lawtvia	3	0.08%
Infection	1		Serbia	29	0.74%	Lebanon	3	0.08%
Osteoporosis	1		Australia	28	0.71%	New Zealand	3	0.08%
Paediatrics	1		Belgium	27	0.69%	Colombia	2	0.05%
Shoulder/elbow, arm/forearm	1		Norway	26	0.66%	Gabon	2	0.05%
Trauma lower limb	1		India	25	0.64%	Jordan	2	0.05%
<b>Republic of Korea, Total</b>	<b>60</b>	<b>1.52%</b>	Sweden	24	0.61%	Morocco	2	0.05%
			Chile	22	0.56%	Syrian Arab Republic	2	0.05%
			Poland	21	0.53%	Algeria	1	0.03%
			Brazil	20	0.51%	Bermuda	1	0.03%
			Czech Republic	20	0.51%	Bhutan	1	0.03%
			Hungary	20	0.51%	Lithuania	1	0.03%
			Ukraine	19	0.48%	Republic of Moldova	1	0.03%
			Bulgaria	18	0.46%	Qatar	1	0.03%
			Egypt	17	0.43%	Slovakia	1	0.03%
						South Africa	1	0.03%
						United Republic of Tanzania	1	0.03%
						<b>Overall Total</b>	<b>3937</b>	<b>100%</b>

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# Wednesday 23 May

WEDNESDAY  
23 MAY

Room	Stockholm	Hall 2	Hall 3	Hall 4/5	Hall 6	Hall 7	Hall 8
Time							
09:00	Life threatening pelvic injuries? An update Polytrauma/pelvis Specialty Session ESPA		Hip arthroscopy Hip Symposium	Biologic approaches to enhance fracture healing Polytrauma/pelvis Symposium	DDH at different ages Paediatrics Controversial Case Discussion	Fractures around the shoulder Shoulder/elbow, arm/forearm Free Paper	The future of orthopaedic journals General Orthopaedics Symposium
09:15							
09:30							
09:45							
10:00							
10:15							
10:30	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK
10:45							
11:00	Arthroscopic treatment of intraarticular fractures of the knee Trauma lower limb Instructional Lecture		Recementing in revision total hip replacement Hip Instructional Lecture	Trauma upper limb I Trauma upper limb Free Paper	SCFE – Slipped Capital Femoral Epiphysis Paediatrics Cross-Fire-Discussion	Polytrauma/pelvis I Polytrauma/pelvis Free Paper	Hip: Soft-tissue Hip Free Paper
11:15							
11:30							
11:45							
12:00	Benefits of New Oral Anticoagulants (NOAC's) in orthopaedic Surgery: A multi-angle assessment Industry Symposium Pfizer/BMS	Secondary prevention of fragility fractures. I-Pod touch multimedia poster session & I-Pod Touch case-based video presentation Industry Symposium Eli Lilly		More personalised approaches to knee and shoulder arthroplasty: Innovative solutions for early interventions Industry Symposium Zimmer GmbH			
12:15							
12:30							
12:45							
13:00							
13:15							
13:30	Innovation in Plate Osteosynthesis – biomechanics of plate osteosynthesis with implications for bone healing Polytrauma/pelvis Specialty Session AO Trauma		Outcome of total hip replacement Hip Free Paper	Miscellaneous Polytrauma/pelvis Free Paper	Whats new in paediatric trauma? Paediatrics Controversial Case Discussion	Fractures around the knee Trauma lower limb Free Paper	Revision in cruciate ligament reconstruction Sports/knee soft-tissue ExMex  Registration required.
13:45							
14:00							
14:15							
14:30							
14:45							
15:00	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK
15:15							
15:30	Proximal humeral fractures Trauma upper limb Instructional Lecture		Hip: Implant impingement and CDH Hip Free Paper	Metal-on-Metal bearings I Hip Free Paper	New trends Paediatrics Free Paper	Polytrauma/pelvis II Polytrauma/pelvis Free Paper	
15:45							
16:00							
16:15							
16:30	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK
16:45	Primary and secondary joint replacement after fractures: Proven principles and new options Trauma lower limb Specialty Session ARTOF		The dysplastic hip in the young adults Hip Symposium	Metal-on-Metal bearings II Hip Free Paper	Swollen joint in children Paediatrics Symposium	Knee dislocation Trauma lower limb Symposium	
17:00							
17:15							
17:30							
17:45							
18:00							
18:15							
18:30	18.30 – 20.00 Opening Ceremony followed by a Welcome Reception, Hall 2						

GENERAL ORTHOPAEDICS
  UPPER LIMB
  LOWER LIMB
  SPINE
  TRAUMA/POLY-TRAUMA
  PAEDIATRICS
  GENERAL EDUCATION



Hall 9	Hall 10	Sydney	Madrid	Istanbul	Oslo	Hongkong	Room
Nurse Day Programme page 55							Time
Distal radius fracture Hand & wrist Free Paper	Anticoagulation and surgery General Orthopaedics Specialty Session ISTF	Meniscus surgery: From repair to replacement Sports/knee soft-tissue Symposium	Outcome after knee replacement I Knee osseous Free Paper	New topics in foot and ankle Foot/ankle/leg Free Paper	Workshop: Writing for publication in nursing journals	Rotator cuff lesion: Diagnostic & treatment Shoulder/elbow, arm/forearm Free Paper	09:00
							09:15
							09:30
							09:45
							10:00
BREAK	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK	10:15
Carpal disorders I Hand & wrist Free Paper	Sarcoma I Bone & joint tumours Free Paper	Knee ligaments Sports/knee soft-tissue Free Paper	The patello-femoral joint Knee osseous Free Paper	Treatment of Metatarsalgia Foot/ankle/leg Instructional Lecture	Oral presentations I Free Paper	Fractures around the elbow Shoulder/elbow, arm/forearm Free Paper	10:30
							10:45
							11:00
							11:15
							11:30
Overview of 35 years Oxford and current developments Oxford partial knee with signature personalised patient care Industry Symposium Biomet							11:45
Management of bone healing challenges: Achieving more with osteobiologics Industry Symposium Medtronic							12:00
New medical glove to improve safety in the operating room Industry Symposium Ansell Healthcare Europe							12:15
Real solutions transforming real lives Industry Symposium DePuy Orthopaedics							12:30
							12:45
							13:00
							13:15
Hand surgery in osteo-articular (O.A.) and rheuma diseases: What's new? Hand & wrist Symposium	Total knee replacement: Design efforts Knee osseous Free Paper	Short stems and Ceramic-on-Ceramic bearings Hip Free Paper	Outcome after knee replacement II Knee osseous Free Paper	Ankle ligaments Foot/ankle/leg Free Paper	Poster viewing	Shoulder instability: The European approach Shoulder/elbow, arm/forearm Symposium	13:30
							13:45
							14:00
							14:15
							14:30
BREAK	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK	14:45
							15:00
							15:15
Carpal disorders II Hand & wrist Free Paper	Acute infection after osteosynthesis Infection Instructional Lecture	Infection of the spine Spine Instructional Lecture	Scores & tools for clinical outcome assessment General Orthopaedics Specialty Session EORS	Management of ankle osteoarthritis Foot/ankle/leg Instructional Lecture	Adv. orthopaedics and trauma nursing through intern. collab. / Specialty Session ICON	Trauma upper limb II Trauma upper limb Free Paper	15:30
							15:45
							16:00
							16:15
							16:30
BREAK	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK	16:30
Soft-tissue disorders Hand & wrist Free Paper	Total knee replacement - miscellaneous Knee osseous Free Paper	Europe on the move: Promoting active and healthy ageing General education Symposium	Stem cells therapy in orthopaedics General Orthopaedics Symposium	Hallux valgus and related issues Foot/ankle/leg Free Paper	Oral presentations III Free Paper	Rotator cuff tears Shoulder/elbow, arm/forearm Symposium	16:45
							17:00
							17:15
							17:30
							17:45
Pressure ulcer Specialty Session EWMA							18:00
							18:15
							18:30
18.30 – 20.00 Opening Ceremony followed by a Welcome Reception, Hall 2							18:30



Polytrauma/pelvis

SPECIALTY SESSION	LIFE THREATENING PELVIC INJURIES? AN UPDATE Moderators: Pohlemann, Tim (Germany), Giannoudis, Peter (United Kingdom)	Room: Stockholm
	The life threatening pelvic fracture – pathophysiology and history of treatment strategies Speaker: Rommens, Pol (Germany)	
	When and why do patients really die? Speaker: Holstein, Jörg (Germany)	
	The role of coagulopathy control Speaker: Giannoudis, Peter (United Kingdom)	
	The role of emergency stabilization Speaker: Stöckle, Ulrich (Germany)	
	The role of hemostasis by "packing" Speaker: Keel, Marius (Switzerland)	
	The role of angioembolisation Speaker: Røise, Olav (Norway)	
	Do we need other treatment strategies? Speaker: Pohlemann, Tim (Germany)	
	Case-based discussion Speaker: Culemann, Ulf (Germany)	

Hip

SYMPOSIUM	HIP ARTHROSCOPY Moderator: Villar, Richard (United Kingdom)	Room: Hall 3
	Peri-articular hip endoscopic surgery Speaker: Field, Richard (United Kingdom)	
	Hip arthroscopy for FAI - does it work? Speaker: Santori, Nicola (Italy)	
	Hip arthroscopy - looking to the future Speaker: Dienst, Michael (Germany)	
	Hip arthroscopy and the athlete Speaker: Villar, Richard (United Kingdom)	

Polytrauma/pelvis

SYMPOSIUM	BIOLOGIC APPROACHES TO ENHANCE FRACTURE HEALING Moderator: Marcacci, Maurilio (Italy)	Room: Hall 4/5
	Bone regeneration in clinical practice Speaker: Coombs, Richard (United Kingdom)	
	Stem cells for bone regeneration Speaker: Marcacci, Maurilio (Italy)	
	Use of growth factors for bone regeneration Speaker: Schmidmaier, Gerhard (Germany)	
	Novel biomaterials for bone regeneration Speaker: Santin, Matteo (United Kingdom)	
	Nanotechnology for bone regeneration - Discussion Speaker: Marcacci, Maurilio (Italy)	

09:00 – 10:30

Paediatrics

CCD DDH AT DIFFERENT AGES Room: Hall 6

Moderators: Chomiak, Jiri (Czech Republic), Czubak, Jaroslav (Poland)

Controversies in surgical treatment of DDH in adolescents and young adults  
Speaker: Czubak, Jaroslav (Poland)

Controversies in surgical treatment  
Speaker: Dungal, Pavel (Czech Republic)

Controversies in treatment of late cases  
Speaker: Grill, Franz (Austria)

Controversies in diagnostics and conservative treatment  
Speaker: Ömeroglu, Hakan (Turkey)

Shoulder/elbow, arm/forearm

FREE PAPER FRACTURES AROUND THE SHOULDER Room: Hall 7

Moderators: Tokgozoglu, Mazhar (Turkey), Brunner, Ulrich (Germany)

Bulk bone graft augmentation of PHILOS plate fixation of osteoporotic humeral fractures - does it make a difference?

Authors: Ved, Abhimanyu / Jain, Kowshick / Singh, Raminder / Robinson, Juan De Dios  
Speaker: Robinson, Juan De Dios (United Kingdom)

Arthroscopically-assisted and image-intensifier controlled stabilization of acute high-grade AC-joint dislocation using a Double-TightRope-technique – results of the second generation implant

Authors: Kraus, Natascha / Gerhardt, Christian / Scheibel, Markus  
Speaker: Kraus, Natascha (Germany)

Fractures and non-unions of the proximal humerus with extension into the shaft: Treatment using a long Proximal Humeral Internal Locking System (PHILOS) plate

Authors: Goudie, Ewan / Robinson, Christopher / Murray, Iain / Eros, Alex  
Speaker: Robinson, Christopher (United Kingdom)

Treatment of proximal humeral fractures in Tartu University clinics

Authors: Põdrämägi, Taavi / Pintsaar, Aivar / Tamre, Mari / Rips, Leho / Toom, Alar / Pintsaar, Karl  
Speaker: Pintsaar, Karl (Estonia)

Outcome after fixation of proximal humeral fractures with a locking plate. Functional outcomes at two-years post-injury and medium-terms implant survivorship analysis

Authors: Brown, Iain / Nunn, Tom / Ray, Andrew / Robinson, C Michael  
Speaker: Brown, Iain (United Kingdom)

Surgeons agree more on treatment recommendations than on classification of proximal humeral fractures

Authors: Brorson, Stig / Olsen, Bo / Frich, Lars Henrik / Jensen, Steen / Sorensen, Anne Kathrine / Krosggaard, Michael / Hróbjartsson, Asbjørn  
Speaker: Brorson, Stig (Denmark)

Incidence of operative treatment for proximal humerus fractures

Authors: Mattila, Ville / Huttunen, Tuomas / Kannus, Pekka / Launonen, Antti / Pihlajamäki, Harri  
Speaker: Mattila, Ville (Finland)

Change in surgical methods has resulted in a trend of lower risk for reoperation among proximal humeral fractures operated in the period 1999–2004 compared with 2005–2010

Authors: Månsson, Lukas / Steensland, Erik  
Speaker: Steensland, Erik (Norway)

Proximal humerus nailing: A comparative study between bent and straight nails. Preliminary results

Authors: García Coiradas, Javier / García-Fernández, Carlos / Marco Martínez, Fernando / Lópiz Morales, Yaiza  
Speaker: Marco Martínez, Fernando (Spain)

09:00 - 10:30

Exist for the deltoid split or deltoid pectoral incision benefits for locking plate (NCB-PH) for subcapital humerus fracture?

Authors: Bockmann, Benjamin / Zettl, Ralph / Kühne, Christian / Ruchholtz, Steffen / Mohr, Juliane  
Speaker: Mohr, Juliane (Germany)

Isolated greater tuberosity fractures of the proximal humerus. Epidemiology and classification

Authors: Robinson, Christopher / Murray, Iain / Kahn, Lakman / Goudie, Ewan / Goudie, S.  
Speaker: Goudie, S. (United Kingdom)

The clinical observation of the scapular fracture and its associated injury

Authors: Wu, Xiaoming / Gao, Wei / Li, Fan / Sang, Weilin / Wang, Qiugen  
Speaker: Wu, Xiaoming (China)

Has the arthroscopically assisted 2-bundle reduction advantages over the clavicular hook plate fixation in acute high-grade acromioclavicular joint separations?

Authors: Jensen, Gunnar / Katthagen, Jan Christoph / Voigt, Christine / Lill, Helmut  
Speaker: Jensen, Gunnar (Germany)

Closed reduction and arthroscopically-assisted reconstruction of lateral clavicular fractures with coracoclavicular instability

Authors: Gerhardt, Christian / Kraus, Natascha / Stein, Verena / Scheibel, Markus  
Speaker: Gerhardt, Christian (Germany)

Titanium Elastic Nails deliver better outcomes in mid shaft clavicular fractures than ORIF or conservative management: A randomised case control study.

Authors: Grammatopoulos, George / Kambouroglou, Gregoris / Jones, Luke  
Speaker: Jones, Luke (United Kingdom)

Operative fixation of displaced mid-shaft clavicle fracture: A multi-centre, stratified randomised control trial

Authors: Murray, Iain / Robinson, Christopher / Akhtar, Adeel / Read, Edward / Foster, Caroline / Brooksbank, Andrew / Arthur, Angus / Packham, Iain / Chesser, Tim / Crowther, Mark / Jenkins, Paul / Goudie, Ewan  
Speaker: Goudie, Ewan (United Kingdom)

Combined coraco- and acromioclavicular stabilization with TightRope and gracilis tendon graft for the treatment of chronic vertical and horizontal AC-joint instability

Authors: Kraus, Natascha / Gerhardt, Christian / Scheibel, Markus  
Speaker: Kraus, Natascha (Germany)

Arthroscopical re-fixation of acute single- and multifragmented glenoid fractures

Authors: Hug, Konstantin / Gerhardt, Christian / Scheibel, Markus / Krüger, David  
Speaker: Krüger, David (Germany)

### General Orthopaedics / complications / basic science / technology

SYMPOSIUM

THE FUTURE OF ORTHOPAEDIC JOURNALS

Room: Hall 8

Moderators: Thorngren, Karl-Göran (Sweden), Hoffmeyer, Pierre (Switzerland)

European Orthopaedics and Traumatology Journal

Speaker: Puhl, Wolfhart (Germany)

Journal: Orthopaedics Today

Speaker: Kjærsgaard-Andersen, Per (Denmark)

eCM - eCells & Materials

Speaker: Richards, Geoff (Switzerland)

E-Journal Children's Orthopaedics

Speaker: Wientroub, Shlomo (Israel)

Journal of Bone & Joint Surgery

Speaker: Scott, James (United Kingdom)

British Medical Journal

Speaker: Weber, Wim (United Kingdom)

09:00 – 10:30

Hand & wrist

FREE PAPER

DISTAL RADIUS FRACTURE

Room: Hall 9

Moderators: Burger, Christof (Germany), Cirtsis, Bernard (Switzerland)

Initial immobilisation of Colles' fracture in patients older than 70 years: A radial or dorsal backslab

Authors: Ahmad, Riaz / Butt, Umar / Smith, Lindsay / Spencer, Robert / George, Akintunde / Hussain, Shakir  
Speaker: Hussain, Shakir (United Kingdom)

Three-point casting index for predicting the risk of displacement of conservatively-managed fractures of the distal radius: A reliable, reproducible and practical tool?

Authors: Senevirathna, Shanaka / Kakkar, Rahul / Siddiqui, Bobby  
Speaker: Siddiqui, Bobby (United Kingdom)

Using a new method to assess the adequacy of fracture reduction in distal radius fractures conservatively treated in plaster casts

Authors: Stevenson, Iain / Medlock, Gareth / Johnstone, Alan / Aziz, Abdul  
Speaker: Aziz, Abdul (United Kingdom)

The use of dry arthroscopy in complex distal radius fractures: A prospective study of feasibility

Authors: Mader, Konrad / Beigi, Navid / Mader, Simone / Dargel, Jens  
Speaker: Mader, Konrad (Norway)

Soft tissue injuries in distal radius fracture – arthroscopic diagnosis and treatment

Authors: Shih, Juitien  
Speaker: Shih, Juitien (Taiwan, China)

Locking plate osteosynthesis for the treatment of distal radius fractures: Aalmar versus dorsal approach

Authors: Machó, David / Schaser, Klaus-Dieter / Haas, Norbert / Tsitsilonis, Serafeim / Wichlas, Florian  
Speaker: Tsitsilonis, Serafeim (Germany)

Pronator sparing plate osteosynthesis in distal radius fractures : Early functional outcome

Authors: De Vos, Joris / De Loore, Geert  
Speaker: De Vos, Joris (Belgium)

Long term functional results and retention of anatomical reduction of distal radius fractures after treatment with the locking compression plate

Authors: Machó, David / Schaser, Klaus-Dieter / Haas, Norbert / Tsitsilonis, Serafeim / Wichlas, Florian  
Speaker: Wichlas, Florian (Germany)

Determinants of grip strength in healthy subjects compared to patients recovering from a distal radius fracture

Authors: Bot, Arjan / Mulders, Marjolein AM / Fostvedt, Sigrid / Ring, David  
Speaker: Mulders, Marjolein AM (Netherlands)

Madelung deformity correction with taylor spatial frame

Authors: Sezer, Hasan Basri / Eren, Osman Tugrul / Armagan, Raffi / Kanar, Muharrem  
Speaker: Sezer, Hasan Basri (Turkey)

ISTF – International Surgical Thrombosis Forum



General Orthopaedics / complications / basic science / technology

SPECIALTY

ANTICOAGULATION AND SURGERY

Room: Hall 10

SESSION

Moderator: Dahl, Ola (United Kingdom)

Introduction

Speaker: Dahl, Ola (United Kingdom)

Overview of the revised European guidelines of anticoagulation in orthopaedic surgery

Speaker: Warwick, David (United Kingdom)

No bridging in patients on anticoagulant therapy or antiplatelet therapy undergoing orthopaedic surgery? Especially with the NOA

Speaker: Mouret, Patrick (Germany)

09:00 - 10:30

Bridging in patients on anticoagulant therapy or antiplatelet therapy undergoing orthopaedic surgery?  
Especially with the NOA

Speaker: Eriksson, Bengt (Sweden)

Pro new oral anticoagulants (NOA)

Speaker: Lassen, Michael-Rud (Denmark)

Contra new oral anticoagulants (NOA)

Speaker: Frostick, Simon (United Kingdom)

Panel discussion with invited doctors

### Sports/knee soft-tissue

#### SYMPOSIUM

#### MENISCUS SURGERY: FROM REPAIR TO REPLACEMENT

Room: Sydney

Moderator: Engebretsen, Lars (Norway)

Long-term follow up of meniscal transplants

Speaker: Verdonk, René (Belgium)

Meniscal tear-indication and resection

Speaker: Doral, Mahmut (Turkey)

Challenging patients: Transplant pearls

Speaker: Verdonk, René (Belgium)

Root tears-if you look, you will find them

Speaker: Engebretsen, Lars (Norway)

### Knee osseous

#### FREE PAPER

#### OUTCOME AFTER KNEE REPLACEMENT I

Room: Madrid

Moderators: Heller, Karl-Dieter (Germany), Emmeluth, Claus (Denmark)

Validity and clinical utility of a risk calculator for total knee arthroplasty

Authors: Chimento, George / May, Rick / Taylor, Harold / Romine, Lucas

Speaker: Romine, Lucas (United States)

Comparative survivorship and early failure in the learning curve with minimally invasive alignment guides in total knee arthroplasty

Authors: Gomez-Barrena, Enrique / Sanchez, Pilar / Aldomar, Yolanda / Lopez-Oliva, Felipe

Speaker: Gomez-Barrena, Enrique (Spain)

High activity scores after total knee replacement

Authors: Jenny, Jean-Yves / Louis, Pascal / Diesinger, Yann

Speaker: Diesinger, Yann (Germany)

Poor reproducibility of the Knee Society Scores challenges its value for clinical follow-up and comparative studies

Authors: Heyligers, Ide / Senden, Rachel / Grimm, Bernhard

Speaker: Grimm, Bernhard (Netherlands)

Reporting Clinical Outcomes: Proportions can uncover critical information hidden in the mean values

Authors: Heyligers, Ide / Senden, Rachel / Grimm, Bernhard

Speaker: Grimm, Bernhard (Netherlands)

Long-term comparison of fixed- and mobile-bearing total knee arthroplasties in Patients Younger Than 50 Years of Age

Authors: Kim, Young-Hoo / Kim, Jun-Shik / Park, Jang-Won

Speaker: Kim, Young-Hoo (Korea, Republic Of)

10 years results with the mobile bearing Gemini MK2 knee prosthesis

Authors: Thabe, Heiner / Dafferner-Franzmann, Martina

Speaker: Thabe, Heiner (Germany)

09:00 – 10:30

Limitations of patient reported functional outcome following total knee arthroplasty

Authors: Hamilton, David / Gaston, Paul / Simpson, Hamish  
Speaker: Hamilton, David (United Kingdom)

A randomized, prospective, controlled study evaluating the effect of patellar eversion on functional outcomes in primary total knee arthroplasty.

Authors: Jenkins, Derek / Rodriguez, Jose / Ranawat, Amar / Alexiades, Michael / Deshmukh, Ajit / Rathod, Parthiv  
Speaker: Jenkins, Derek (United States)

**Foot/ankle/leg**

FREE PAPER

**NEW TOPICS IN FOOT AND ANKLE**

Room: Istanbul

Moderators: Lauritzen, Jes Bruun (Denmark), Felicissimo, Paolo (Portugal)

Diagnosis of plantar plate injury by Magnetic Resonance Imaging with reference to intra-operative findings

Authors: Weil, Lowell Jr / Weil, Lowell Scott Sr / Rolfes, Richard / Sung, Wenjay  
Speaker: Sung, Wenjay (United States)

Single photon-emission CT-CT (SPECT-CT) in foot and ankle surgery

Authors: Sott, Andrea / Parthipun, Arum / Singh, Vinay  
Speaker: Singh, Vinay (United Kingdom)

Analysis of the intraindividual differences of the joint surfaces of the calcaneus

Authors: Stephan, Daniel / Panzer, Stephanie / Göttlinger, Michael / Augat, Peter  
Speaker: Stephan, Daniel (Germany)

Does plantarflexion influence the radiographic measurements of ankle mortise?

Authors: Dhukaram, Vivekananthan / Karthikeyan, Shanmugam / Upadhyay, Piyush  
Speaker: Karthikeyan, Shanmugam (United Kingdom)

The effects of foot and ankle movements on calf pump function

Authors: Morgan, Amy / Hickey, Benjamin / Singh, Rahul / Pugh, Neil / Perera, Anthony  
Speaker: Morgan, Amy (United Kingdom)

Foot function after calcaneal fracture: A motion analysis study using a multi-segment foot model

Authors: Müller, Sebastian / Wolf, Sebastian / Frank, Falko / Keil, Christina  
Speaker: Müller, Sebastian (Germany)

Anatomic variations of the flexor hallucis longus and flexor digitorum longus cross-links in the chiasma plantare

Authors: Waizy, Hazibullah / Claassen, Leif / Ochs, Matthias / Stukenborg-Colsman, Christina / Schmedli, Andreas / Plaass, Christian / Abuharbid, Ghassan  
Speaker: Plaass, Christian (Germany)

One step repair in talar osteochondral lesions: 4 years results and T2-mapping capability in outcome prediction

Authors: Buda, Roberto / Battaglia, Milva / Cavallo, Marco / Ruffilli, Alberto / Ramponi, Laura / Pagliuzzi, Gherardo / Vannini, Francesca / Giannini, Sandro  
Speaker: Giannini, Sandro (Italy)

Results of a multi-center open-label clinical trial to assess the safety of rhPDGF-BB/β-TCP (Augment™ Bone Graft) as an engineered orthobiologic in foot and ankle arthrodesis procedures

Authors: Matricali, Giovanni  
Speaker: Matricali, Giovanni (Belgium)

**Shoulder/elbow, arm/forearm**

FREE PAPER

**ROTATOR CUFF LESION: DIAGNOSTIC & TREATMENT**

Room: Hongkong

Moderators: Cartucho, Antonio (Portugal), Thélu, Charles-Edouard (France)

The relation between tendon dimensions and functional results after arthroscopic double-row equivalent rotator cuff repair

Authors: Atalar, Atacan / Seyahi, Aksel / Uçak, Ayla / Demirhan, Mehmet / Koyuncu, Lütfü / Canbulat, Nazan  
Speaker: Koyuncu, Lütfü (Turkey)

Biodegradable balloon use in massive rotator cuff tear: Preliminary results of multi-center study

Authors: Maman, Eran / Adar, Eliyahu / Mozes, Gavriel / Rak, Ofer / Dekel, Assaf / Safran, Ori / Beyth, Shaul / Atoun, Ehud / Uri, Ofir  
Speaker: Maman, Eran (Turkey)

09:00 - 10:30

Correlation of the involved compartments of massive rotator cuff tear and loss of active shoulder range of motion

Authors: Lädermann, Alexandre / Collin, Philippe / Walch, Gilles  
Speaker: Lädermann, Alexandre (Switzerland)

Rotator cuff tears – the correlation between MRI, arthroscopic findings and physical examination

Authors: Eshed, Iris / Herman, Amir / Oran, Ariel / Perry, Moshe / Sela, Yaron  
Speaker: Sela, Yaron (Israel)

Arthroscopic repair of bursal- side partial-thickness rotator cuff tears with and without acromioplasty. A prospective, consecutive study in 50 cases

Authors: Guala, Agustin / Bongiovanni, Santiago / Ranalletta, Maximiliano / Lopez Ovenza, Juan / Maignon, Gaston  
Speaker: Bongiovanni, Santiago (Argentina)

Recovery from pseudoparalysis after arthroscopic repair of massive rotator cuff tears

Authors: Denard, Patrick / Burkhart, Stephen / Lädermann, Alexandre  
Speaker: Lädermann, Alexandre (Switzerland)

A clinical and anatomical randomized study of immediate passive motion versus immobilization after arthroscopic supraspinatus repairs

Authors: Clavert, Philippe / Mielcarek, Paul / Kempf, Jean-François / Arndt, Joseph  
Speaker: Arndt, Joseph (France)

Subscapularis function after open and arthroscopic repair of isolated subscapularis tendon tears

Authors: Bartl, Christoph / Salzmann, Gian / Seppel, Gernot / Eichhorn, Stefan / Holzapfel, Konstantin / Imhoff, Andreas  
Speaker: Bartl, Christoph (Germany)

Biomechanical evaluation of different SpeedBridge techniques for rotator cuff repair

Authors: Pauly, Stephan / Haas, Norbert / Greiner, Stefan / Scheibel, Markus / Perka, Carsten  
Speaker: Pauly, Stephan (Germany)

11:00 - 12:00

Trauma lower limb

INSTRUCTIONAL  
LECTURE

ARTHROSCOPIC TREATMENT OF INTRAARTICULAR FRACTURES OF THE KNEE  
Moderator: Schmidmaier, Gerhard (Germany)

Room: Stockholm

Speaker: Tandoğan, Reha (Turkey)

Hip

INSTRUCTIONAL  
LECTURE

RECEMENTING IN REVISION TOTAL HIP REPLACEMENT  
Moderator: Siebenrock, Klaus (Switzerland)

Room: Hall 3

Speaker: Timperley, John (United Kingdom)

Trauma upper limb

FREE PAPER

TRAUMA UPPER LIMB I  
Moderators: Lambert, Simon (United Kingdom), Josten, Christof (Germany)

Room: Hall 4/5

Volar locking plate versus K-wiring fixation of distal radius fractures in 20-65 year olds

Authors: Brennan, Stephen / Mc Inerney, Niall / Judzan, Mutaz / Kearns, Stephen / O'Sullivan, Michael / Kiernan, Christine  
Speaker: Kiernan, Christine (Ireland)

Distal radial fractures. Non bridging external fixation Vs bridging external fixation.

A prospective randomized trial  
Authors: Potestio, Domenico / Theodorakis, Emanouil / Laurenti, Filippo  
Speaker: Potestio, Domenico (Italy)



11:00 – 12:00

The accuracy of the skyline distal radius view for detecting dorsal cortical penetration during volar distal radius fixation

Authors: Hickey, Benjamin / White, Simon / Riddick, Andrew  
Speaker: Hickey, Benjamin (United Kingdom)

A novel approach to wrist reduction – a cross trust analysis of a reduction aid and single person technique and the potential health economics

Authors: Ricks, Matthew / Ellahee, Najab / Hendry, Jimmy / Mohan, Arvind  
Speaker: Ricks, Matthew (United Kingdom)

Is it really necessary to combine a volar LCP plate and bone grafting in the treatment of complex distal radius fractures?

Authors: Alfonso Fernandez, Ana / Sánchez Crespo, Manuel / del Canto Álvarez, Fernando / Peñas Díaz, Francisco Jesús / Garcés Zarzalejo, Carlos / De Diego Gutiérrez, Víctor  
Speaker: Alfonso Fernandez, Ana (Spain)

Volar versus dorsal polyaxial locking plates for the fixation of AO type C 2.1 distal radius fractures: A biomechanical study in cadavers

Authors: Klos, Kajetan / Rausch, Sascha / Schlonski, Olav / Wagner, Andreas / Gueorguiev, Boyko / Hofmann, Gunther / Mückley, Thomas  
Speaker: Klos, Kajetan (Germany)

### Paediatrics

#### CROSS-FIRE-DISCUSSION

SCFE – SLIPPED CAPITAL FEMORAL EPIPHYSIS  
Moderator: Krauspe, Rüdiger (Germany)

Room: Hall 6

Always reduce the deformity, even in mild slips

Speaker: Slongo, Theddy (Switzerland)

Always wait for remodeling, even in severe slips

Speaker: Hagglund, Gunnar (Sweden)

### Polytrauma/pelvis

#### FREE PAPER

POLYTRAUMA/PELVIS I  
Moderators: Castelli, Claudio Carlo (Italy), Pohlemann, Tim (Germany)

Room: Hall 7

The effects of Daylight Savings Time (DST) transition on serious or fatal road traffic injuries in Great Britain: An accident subgroup analysis

Authors: Ali, Adam / Alsousou, Joseph / Yates, Adam / Bouamra, Omar / Lecky, Fiona / Willett, Keith  
Speaker: Ali, Adam (United Kingdom)

Review of outcomes of polytrauma patients with Diabetes Mellitus

Authors: Lecky, Fiona / Edwards, Antoinette / Jenks, Tom / Bouamra, Omar / Dimitriou, Rozalia / Kanakaris, Nikolaos K / Tebby, James / Giannoudis, Peter  
Speaker: Tebby, James (United Kingdom)

Successful use of titanium mesh cage to manage posttraumatic femoral bone defects

Authors: Korovessis, Panagiotis / Vitsas, Vasilis / Repantis, Thomas / Bouras, Theodoros  
Speaker: Korovessis, Panagiotis (Greece)

Long-term follow-up of opioid use in patients with acetabular fractures

Authors: Weiss, Rüdiger / Jansson, Karl-Åke  
Speaker: Weiss, Rüdiger (Sweden)

Percutaneous and minimally invasive screw fixation of acetabular fractures with 3D-fluoroscopy-based navigation

Authors: Schaser, Klaus-Dieter / Haas, Norbert / Bail, Hermann / Altintas, Burak / Schwabe, Philipp  
Speaker: Schwabe, Philipp (Germany)

Contribution of serum prolactin in predicting severity in multiple trauma patients

Authors: Hoyek, Fadi / Haddad, Christian / Abi Fares, Georges / Dagher, Elissar / Tabet, Monique / Chelala, Amale / Lahoud, Pascal / Nohra, Georges / Lahoud, Jean-Claude / Abi Hatem, Marc  
Speaker: Hoyek, Fadi (Lebanon)

11:00 - 12:00

Hip

FREE PAPER

HIP: SOFT-TISSUE

Room: Hall 8

Moderators: Böhler, Nikolaus (Austria), Verettas, Dionysios (Greece)

Improving pre-operative arthroplasty education

Authors: Da Assunção, Ruy / Samra, David / Walker, Peter / Bruce, Warwick

Speaker: Da Assunção, Ruy (United Kingdom)

Variables influencing the functional outcome scores of the hip

Authors: Corten, Kristoff / Simoens, Marc / Bellemans, Johan / Cootjans, Katrien / Simon, Jean-Pierre

Speaker: Corten, Kristoff (Belgium)

Prospective treatment of Ilio-psoas tendinitis after hip prosthesis: A survey in 98 prostheses

Authors: Remy, Franck / Ala Eddine, Tarek / Berton, Charles / Combes, Antoine / Girard, Julien / Migaud, Henri

Speaker: Migaud, Henri (France)

Treatment of gluteus medius and minimus tendon tears with a specific diagnostic and surgical technique: A retrospective study of 67 patients

Authors: Wajsfisz, Anthony / Djian, Patrick / Makridis, Konstantinos

Speaker: Makridis, Konstantinos (France)

Trochanteric bursitis: Does it really exist?

Authors: Hughes, Simon / Board, Timothy / Freemont, Tony / Liptrot, James

Speaker: Hughes, Simon (United Kingdom)

Rotator-abductor cuff tear of the hip. Results after 45 cases using a mini open technique

Authors: Ribas Fernandez, Manel / Ledesma, Ruben / Cáceres Palou, Enric / Martinez, Sara / Cardenas Nylander, Carlomagno /

De Meo, Federico / Astarita, Emanuele

Speaker: Cardenas Nylander, Carlomagno (Spain)

Hand & wrist

FREE PAPER

CARPAL DISORDERS I

Room: Hall 9

Moderators: Marks, Miriam (Switzerland), Kopylov, Philippe (Sweden)

The accuracy of Direct Magnetic Resonance Arthrograms in detecting triangular fibrocartilage complex and inter-carpal ligament tears

Authors: Ravikumar, Raveena / Sawalha, Seif / McKee, Andrew / Pathak, Gora / Jones, Jonathan/

Speaker: Ravikumar, Raveena (United Kingdom)

Post traumatic arthritis of radio carpal joint treated by chondro costal graft:

Prospective continue evaluation of 22 patients

Authors: Obert, Laurent / Gindraux, Florelle / Lepage, Daniel / Garbuio, Patrick / Rochet, Severin / Ferrier, Maxime

Speaker: Obert, Laurent (France)

Long-term results of the trapezio-metacarpal fusion

Authors: Delgado, Pedro / Abad, José María / García de Lucas, Fernando / Ferrón, Eduardo

Speaker: Ferrón, Eduardo (Spain)

Wrist arthrodesis: Clinical and ultrasonographic trial

Authors: Serra, Sara / Neri, António / Oliveira, João Pedro

Speaker: Oliveira, João Pedro (Portugal)

Long term results of wrist resection interposition arthroplasty in rheumatoid patients

Authors: Biehl, Christoph / Oda, Amir / Thabe, Heiner

Speaker: Oda, Amir (Germany)

Clinical and functional outcomes of ulnar head replacement

Authors: Ashworth, Charlotte / Akula, Maheswara / Williams, Christopher / Chatterton, Benjamin

Speaker: Chatterton, Benjamin (United Kingdom)

11:00 – 12:00

**Bone & joint tumours**

FREE PAPER

SARCOMA I

Room: Hall 10

Moderators: Dürr, Hans-Roland (Germany), Capanna, Rodolfo (Italy)

Remodeling of fibular grafts after tumor resections in different anatomic locations  
Authors: Kofranek, Ivo / Lesensky, Jan / Kufa, Roman / Matejovska, Jana / Frajer, Lukas / Matejovsky, Zdenek  
Speaker: Matejovsky, Zdenek (Czech Republic)

Reconstruction of major traumatic bone defects of the forearm with vascularised fibular grafts  
Authors: Tarallo, Luigi / Adani, Roberto / Delcroix, Luca / Catani, Fabio  
Speaker: Tarallo, Luigi (Italy)

Long-term clinical outcomes of osteosarcoma patients who underwent intentional marginal resection  
Authors: Yamamoto, Norio / Shirai, Toshiharu / Nishida, Hideji / Hayashi, Katsuhiro / Kimura, Hiroaki / Takeuchi, Akihiko / Igarashi, Kentaro / Tanzawa, Yoshikazu / Tsuchiya, Hiroyuki / Miwa, Shinji  
Speaker: Yamamoto, Norio (Japan)

Clinical outcome in central conventional chondrosarcoma of bone. Analysis of 296 cases  
Authors: Ruggieri, Pietro / Pala, Elisa / Mavrogenis, Andreas / Angelini, Andrea  
Speaker: Angelini, Andrea (Italy)

Study in vitro of the resistance of torsional forces of cortical defects in the femur of porcine fixed with different methods of fixation associated or not with the polymethymethacrylate  
Authors: Sanches, Diego / Ramos, Victor Hugo / Martins Neto, Ayrton / De Moura, Marcio  
Speaker: De Moura, Marcio (Brazil)

**Sports/knee soft-tissue**

FREE PAPER

KNEE LIGAMENTS

Room: Sydney

Moderators: Victor, Jan (Belgium), Jerosch, Jörg (Germany)

Intraoperative biomechanical evaluation of anatomical single bundle anterior cruciate ligament reconstruction  
Authors: Nakase, Junsuke / Toratani, Tatsuhiro / Kosaka, Masahiro / Tsuchiya, Hiroyuki  
Speaker: Nakase, Jonsuke (Japan)

The effect of stress relaxation on the strength of an ACL interference screw fixation  
Authors: Stärke, Christian / Heinemann, Steffen / Winkelmann, Ulrike  
Speaker: Heinemann, Steffen (Germany)

Navigated anterior cruciate reconstruction. Radiological validation of a non-image based system.  
Authors: Jenny, Jean-Yves / Abbane, Lamine / Diesinger, Yann  
Speaker: Diesinger, Yann (Germany)

Comparison of tunnel widening after single-bundle and anatomic double-bundle ACL reconstruction  
Authors: Achtnich, Andrea / Forkel, Philipp / Metzloff, Sebastian / Petersen, Wolf / Stiepani, Heiner  
Speaker: Achtnich, Andrea (Germany)

Anteromedial vs posterolateral tunnel enlargement after double bundle ACL reconstruction: a CT study  
Authors: Maestri, Barbara / Monaco, Edoardo / Speranza, Attilio / Ferretti, Andrea / Di Salvo, Floriana  
Speaker: Speranza, Attilio (Italy)

Double bundle ACL grafts predict four strand single bundle graft size and demonstrate greater available area for graft integration  
Authors: Ajuied, Adil / Back, Diane / Davies, Andrew / Norris, Mark / Wong, Fabian  
Speaker: Wong, Fabian (United Kingdom)

Double-bundle anterior cruciate ligament revision surgery using fresh-frozen Achilles tendon allograft  
Authors: Zaffagnini, Stefano / Marcheggiani Muccioli, Giulio Maria / Nitri, Marco / Bonanzinga, Tommaso / Alberto, Grassi / Musiani, Costanza / Neri, Maria Pia / Marcacci, Maurilio  
Speaker: Marcheggiani Muccioli, Giulio Maria (Italy)

10- 16 years follow-up of autologous chondrocyte implantation and survivorship analysis  
Authors: Von Keudell, Arvind / Bryant, Tim / Minas, Tom  
Speaker: Von Keudell, Arvind (United States)

11:00 – 12:00

How does histological outcome of autologous chondrocyte implantation relate to joint function:  
Study of 371 biopsies

Authors: Perera, Jonathan / Bentley, George / Miles, Jonathan / Carrington, Richard / Skinner, John /  
Briggs, Timothy / Shekkeris, Andreas  
Speaker: Shekkeris, Andreas (United Kingdom)

Knee injuries in military personnel during battlefield training, arthroscopic diagnosis and guidelines for prevention

Authors: Ameen, Moghees  
Speaker: Ameen, Moghees (Pakistan)

Does the use of a hinged knee brace influence recovery after a medial collateral injury?

A randomised controlled trial

Authors: Khan, Lukman / Will, Elizabeth / Keating, John  
Speaker: Khan, Lukman (United Kingdom)

Selected within the best Free Papers

### Knee osseous

FREE PAPER

THE PATELLO-FEMORAL JOINT

Room: Madrid

Moderators: Wagner Kristensen, Per (Denmark), Heppt, Peter (Germany)

The influence of patellofemoral degenerative changes on the outcome of the unicompartmental knee replacement

Authors: O'Donnell, Turlough / Neil, Michael / Abdulkarim, Ali  
Speaker: Abdulkarim, Ali (Ireland)

Early outcomes of patellofemoral replacement in isolated patellofemoral arthritis. Results from the Trent region, UK

Authors: Palan, Jeya / Esler, Colin / Isaac, Sherif  
Speaker: Isaac, Sherif (United Kingdom)

Association and impact of patellofemoral dysplasia on patellofemoral arthropathy and arthroplasty

Authors: Veravalli, Karundakar / Jinnah, Riyaz / Poehling, Gary / Mofidi, Ali  
Speaker: Mofidi, Ali (United Kingdom)

How thick is the patella? A reproducible measure of patella thickness from adult MRI

Authors: Robinson, Peter / Ansari, Aneel / Hassaballa, Mo / Porteous, Andrew / Robinson, James / Murray, James / Sullivan, Niall  
Speaker: Sullivan, Niall (United Kingdom)

The effect of patellar replacement technique on patellofemoral complications and anterior knee pain

Authors: Meftah, Morteza / Jhurani, Anoop / Bhat, Javid / Ranawat, Amar / Ranawat, Chitranjan  
Speaker: Meftah, Morteza (United States)

The Avon patellofemoral joint replacement: Mid-term prospective results from an independent centre

Authors: Malak, Tamer / Dawson-Bowling, Sebastian / East, Debra / Miles, Kim / Goddard, Richard /  
Butler-Manuel, Adrian / Akhbari, Pouya  
Speaker: Akhbari, Pouya (United Kingdom)

### Foot/ankle/leg

INSTRUCTIONAL  
LECTURE

TREATMENT OF METATARSALGIA

Room: Istanbul

Moderator: Valderrabano, Victor (Switzerland)

Speaker: Besse, Jean-Luc (France)

### Shoulder/elbow, arm/forearm

FREE PAPER

FRACTURES AROUND THE ELBOW

Room: Hongkong

Moderators: Burger, Christof (Germany), Kovacic, Ladislav (Slovenia)

Radial head fractures – comparison of different methods of treatment

Authors: Fernandes, Sofia / Ferreira, Jose / Barbosa, Tiago / Ramalho, Frederic / Vitor, Caetano / Mendes, Pereira  
Speaker: Fernandes, Sofia (Portugal)

Radial head excision remains an option in young adults? - review with 22 years of follow-up

Authors: Duarte, Rui / Ferreira, Nuno / Rodrigues, Luis / Silva, Luis / Sevivas, Nuno / Vieira da Silva, Manuel  
Speaker: Duarte, Rui (Portugal)

11:00 – 12:00

Management of the « terrible triade » injury with Mason 3 or 4 radial head fracture  
Authors: Maillot Roy, Sandrine / Nourissat, Geoffroy / Falcone, Marc-Olivier / Feron, Jean-Marc  
Speaker: Feron, Jean-Marc (France)

Avulsion fracture of the supinator crest of the proximal ulna in the context of complex elbow joint injuries  
Authors: Schmidt-Horlohe, Kay / Kim, Yoon-Joo / Wilde, Philipp / Bonk, Andreas / Hoffmann, Reinhard  
Speaker: Schmidt-Horlohe, Kay (Germany)

Results of internal fixation of unstable comminuted Olecranon fracture using one-third tubular antigiide plating & tension band wiring  
Authors: Quolquela, Muhammad  
Speaker: Quolquela, Muhammad (Egypt)

Selected within the best Free Papers

The use of locking versus compression congruent elbow plate system for the treatment of distal humerus fractures in adults  
Authors: Federico, Sacchetti / Polimanti, David / Greco, Alessandro / Manauzzi, Erica / Postacchini, Franco / Giannicola, Giuseppe / Carbone, Stefano  
Speaker: Greco, Alessandro (Italy)

12:00 – 13:30

Pfizer/BMS



INDUSTRY SYMPOSIUM BENEFITS OF NEW ORAL ANTICOAGULANTS (NOAC'S) IN ORTHOPAEDIC SURGERY: A MULTI-ANGLE ASSESSMENT Room: Stockholm

Moderator: Spannagl, Michael (Germany)

Introduction and objectives  
Speaker: Spannagl, Michael (Germany)

Recent meta-analyses of NOAC's in orthopedic surgery: The ADVANCE program as an example  
Speaker: Lassen, Michael-Rud (Denmark)

Are NOAC's cost effective?  
Speaker: Huisman, Menno (The Netherlands)

Guideline recommendations for post surgical thromboprophylaxis: Recent updates  
Speaker: Samama, Charles Marc (France)

NOAC's in practice: Clinical cases  
Speaker: Babis, George (Greece)

Panel discussion and wrap up  
Speaker: Spannagl, Michael (Germany)

Eli Lilly



INDUSTRY SYMPOSIUM SECONDARY PREVENTION OF FRAGILITY FRACTURES. I-POD TOUCH MULTIMEDIA POSTER SESSION & I-POD TOUCH CASE-BASED VIDEO PRESENTATION Room: Hall 2

Poster 1 - Burden of illness and rationale for evidence - based best practices  
Pre-recorded presentation: Dreinhöfer, Karsten (Germany)

Poster 2 - Clinical relevance of the Fracture Liaison service  
Pre-recorded presentation: Marsh David (United Kingdom)

Live case presentations 1 - How can we improve fracture care in the elderly, osteoporotic patient?  
Speaker: Jakob, Franz (Germany)

12:00 - 13:30

Live case presentations 2 - Evidence-based best practice program: Added value of anabolic therapy in the secondary prevention of fragility fractures

Speaker: Åkesson, Kristina (Sweden)

iPod Touch case-based video presentation - Live questions & answers

Pre-recorded presentation: Dreinhöfer, Karsten (Germany)

## Zimmer GmbH



INDUSTRY  
SYMPOSIUM

MORE PERSONALISED APPROACHES TO KNEE AND SHOULDER ARTHROPLASTY:  
INNOVATIVE SOLUTIONS FOR EARLY INTERVENTIONS

Room: Hall 4/5

Moderator: Cresser-Brown, John (United Kingdom)

Welcome and introduction

Speaker: Cresser-Brown, John (United Kingdom)

New technologies for getting unicompartmental alignment correct

Speaker: London, Nick (United Kingdom)

Personalizing the unicompartmental knee procedure

Speaker: Thienpont, Emmanuel (Belgium)

Novel implant designs for shoulder arthroplasty

Speaker: Hardy, Philippe (France)

Discussion

## Biomet



INDUSTRY  
SYMPOSIUM

OVERVIEW OF 35 YEARS OXFORD AND CURRENT DEVELOPMENTS  
OXFORD PARTIAL KNEE WITH SIGNATURE PERSONALISED PATIENT CARE

Room: Madrid

Speakers: Murray, David (United Kingdom) / Dodds, Chris (United Kingdom) / Clarius, Michael (Germany)

## Medtronic



INDUSTRY  
SYMPOSIUM

MANAGEMENT OF BONE HEALING CHALLENGES: ACHIEVING MORE  
WITH OSTEOBIOLOGICS

Room: Istanbul

Moderator: Hamadouche, Moussa (France)

Challenges in bone healing

Speaker: Hamadouche, Moussa (France)

Biological management of comminuted fractures: Experience with Nanocrystalline Hydroxyapatite

Speaker: McArthur, Nicholas (United Kingdom)

Major acetabular reconstruction with a fiber based demineralized bone matrix

Speaker: Hamadouche, Moussa (France)

Bone morphogenetic proteins: From concept to clinical use

Speaker: Alt, Volker (Germany)

12:00 – 13:30

**Ansell Healthcare Europe**



INDUSTRY SYMPOSIUM      NEW MEDICAL GLOVE TO IMPROVE SAFETY IN THE OPERATING ROOM      Room: Oslo  
Moderator: Assadian, Ojan (Austria)

Speaker: Assadian, Ojan (Austria)

**DePuy Orthopaedics**



INDUSTRY SYMPOSIUM      REAL SOLUTIONS TRANSFORMING REAL LIVES      Room: Hongkong

The young patient dilemma  
Speaker: Dalury, David (United States)

The young patient dilemma  
Speaker: Board, Tim (United Kingdom)

Joint replacement options for today's growing population  
Speaker: Dalury, David (United States)

Joint replacement options for today's growing population  
Speaker: Board, Tim (United Kingdom)

The revision challenge  
Speaker: Dalury, David (United States)

The revision challenge  
Speaker: Board, Tim (United Kingdom)

13:30 – 14:30

**Hip**

FREE PAPER      SHORT STEMS AND CERAMIC-ON-CERAMIC BEARINGS      Room: Sydney  
Moderators: Benazzo, Francesco (Italy), Hernigou, Philippe (France)

Ceramic-ceramic bearing decreases the cumulative long-term risk of dislocation  
A 30-Year Study versus Ceramic-PE  
Authors: Hernigou, Philippe / Flouzat-Lachaniette, Charles / Poignard, Alexandre  
Speaker: Hernigou, Philippe (France)

Selected within the best Free Papers

Survival of total hip arthroplasty with Ceramic-on-Ceramic bearings  
Authors: Pedersen, Alma / Kjærsgaard-Andersen, Per / Overgaard, Søren / Varnum, Claus  
Speaker: Varnum, Claus (Denmark)

Cementless anatomic total hip arthroplasty with Ceramic-on-Ceramic bearing in patients  
Younger than 30 Years of Age  
Authors: Kim, Young-Hoo / Kim, Jun-Shik / Park, Jang-Won  
Speaker: Kim, Young-Hoo (Korea, Republic Of)

A short metaphyseal-fitting cementless anatomic total hip arthroplasty in young and elderly patients  
Authors: Kim, Young-Hoo / Kim, Jun-Shik / Park, Jang-Won  
Speaker: Kim, Young-Hoo (Korea, Republic Of)

13:30 - 14:30

Early results of 148 calcar bearing, short stem, uncemented minihip femoral prosthesis with a maximum follow-up of 3 years

Authors: Woodnutt, David / Mullins, Mark  
Speaker: Mullins, Mark (United Kingdom)

Long term survival of the short stem SPII

Authors: Meijer, Remco / Ettema, Harmen / Verheyen, Cees  
Speaker: Meijer, Remco (Netherlands)

13:30 - 15:00

## AO Trauma



### Polytrauma/pelvis

SPECIALTY  
SESSION

INNOVATION IN PLATE OSTEOSYNTHESIS - BIOMECHANICS OF PLATE  
OSTEOSYNTHESIS WITH IMPLICATIONS FOR BONE HEALING

Room: Stockholm

Moderators: Renner, Nikolaus (Switzerland), Haas, Norbert (Germany)

Different kind of plate osteosynthesis (different principles, methods, techniques, influence on bone healing) and influence on bone healing

Speaker: Wagner, Michael (Austria), Plecko, Michael (Switzerland)

The clinical problem: Reducing construct stiffness of locked plate constructs, the current discussion in the medical literature regarding dynamisation

Speaker: Stöckle, Ulrich (Germany)

Development of DLS - a new technical solution

Speaker: Frigg, Robert (Switzerland)

Biomechanics DLS studies

Speaker: Döbele, Stefan (Germany)

Animal studies

Speaker: Plecko, Michael (Switzerland)

Clinical experiences

Speaker: Stöckle, Ulrich (Germany)

Discussion

## Hip

FREE PAPER

OUTCOME OF TOTAL HIP REPLACEMENT

Room: Hall 3

Moderators: Tözün, Remzi (Turkey), Puget, Jean (France)

Increasing incidence of lower limb arthroplasty: Are we lowering the bar?

Authors: Bailey, Lucy / Higgins, Joanna / Price, Mark / Conn, Kevin / Hobby, Jonathan / Stranks, Geoff / Britton, John  
Speaker: Bailey, Lucy (United Kingdom)

Good results of THAs secondary to paediatric hip diseases in a common Nordic database of 370 630 primary THAs

Authors: Engesæter, Lars / Havelin, Leif / Fenstad, Anne Marie / Kärrholm, Johan / Garelick, Göran / Pedersen, Alma / Overgaard, Søren / Engesæter, Ingvild  
Speaker: Engesæter, Lars (Norway)

Selected within the best Free Papers

Correlation of leg length discrepancy measurements after total hip arthroplasty with patient-perceived leg length discrepancy and postoperative WOMAC scores

Authors: Kersic, Matej / Kralj, Marko / Antolic, Vane / Mavcic, Blaz  
Speaker: Mavcic, Blaz (Slovenia)

Total hip replacement gives better clinical results than total knee replacement - comparison with the Repp-factor (relative effect per person)

Authors: Dabis, Essam / Zumstein, Marc / Huesler, Juerg / Huber, Joerg  
Speaker: Huber, Joerg (Switzerland)



13:30 – 15:00

Medical complications and 90-day mortality following hip resurfacing and total hip replacement in the english NHS (2005-2010)

Authors: Jameson, Simon / James, Philip / Sanders, RD / Port, Andrew / Reed, Mike / Serrano-Pedraza, I / Weusten, Axel  
Speaker: Weusten, Axel (United Kingdom)

Outcomes of cable vs. wire fixation five years after total hip arthroplasty

Authors: Berton, Charles / Lübbecke-Wolff, Anne / Puskás, Gábor János / Christofilopoulos, Panayiotis / Hoffmeyer, Pierre  
Speaker: Berton, Charles (France)

A prospective study evaluating influence of primary total hip and knee arthroplasty on sexual function

Authors: Rathod, Parthiv / Ranawat, Amar / Rodriguez, Jose / Deshmukh, Ajit  
Speaker: Rathod, Parthiv (United States)

Does the Use of Antidepressants Predict Outcomes Following Total Hip Replacement Surgery?

Authors: Rolfson, Ola / Gordon, Max / Malchau, Henrik / Garellick, Göran / Greene, Meridith  
Speaker: Greene, Meridith (United States)

Anxiety and depression predict healthcare utilization after total hip replacement

Authors: Greene, Meridith / Haglund, Rickard / Rolfson, Ola  
Speaker: Rolfson, Ola (Sweden)

## Polytrauma/pelvis

FREE PAPER

MISCELLANEOUS

Room: Hall 4/5

Moderators: Candrian, Christian (Switzerland), Bail, Hermann (Germany)

A case of four paediatric car occupants in a road traffic accident. Influence of restraints on injury pattern: A case report

Authors: Mohamed, Ahmed / Jeer, Parminder  
Speaker: Mohamed, Ahmed (United Kingdom)

Selfdynamisable Internal Fixator (SIF) one new and minimally invasive method in femoral fractures treatment

Authors: Mitkovic, Milorad / Milenkovic, Sasa / Micic, Ivan / Mitkovic, Milan  
Speaker: Mitkovic, Milorad (Serbia)

The management of patients with concomitant hip and wrist fractures

Authors: Johnson, Nick / Magaji, Sani / Cutler, Lucy / Uzoigwe, Chika / Venkatesan, Muralidharan  
Speaker: Venkatesan, Muralidharan (United Kingdom)

Intramedullary tibial nail – influence of nail length and surgical approach on anterior knee pain

Authors: Nicolas, Andrea / Batnagar, Sharad / McMurtry, Ian  
Speaker: Nicolas, Andrea (United Kingdom)

Influence of the pathogen spectrum after traumatic amputation and type 3C open fracture on the initial antibiotic therapy

Authors: Becker, Christopher / Schaser, Klaus-Dieter / Kleber, Christian / Giesecke, Moritz  
Speaker: Giesecke, Moritz (Germany)

Organizational, personnel and structural changes in hospitals participating in the TraumaNetwork of the German Society of Trauma Surgery

Authors: Kühne, Christian / Debus, Florian / Ruchholtz, Steffen / Karl, Michaela / Mand, Carsten  
Speaker: Mand, Carsten (Germany)

The gap between the patient and the surgeon – differences in expectation regarding trauma surgery outcome

Authors: Hanson, Beate / Suk, Michael / Buckley, Richard / Daigl, Monica / Paccola, Cleber / Lorich, Dean / Helfet, David  
Speaker: Hanson, Beate (Switzerland)

Preventability of traumatic deaths in Berlin 2010

Authors: Giesecke, Moritz / Haas, Norbert / Buschmann, Claas / Kleber, Christian  
Speaker: Kleber, Christian (Germany)

13:30 - 15:00

Paediatrics

CCD

WHATS NEW IN PAEDIATRIC TRAUMA?

Room: Hall 6

Moderator: Cassiano Neves, Manuel (Portugal)

Speaker: Paterson, Mark (United Kingdom)

Speaker: Lascombes, Pierre (France)

Speaker: Slongo, Teddy (Switzerland)

Trauma lower limb

FREE PAPER

FRACTURES AROUND THE KNEE

Room: Hall 7

Moderators: Bégué, Thierry (France), Burger, Christof (Germany)

Tibial head fractures: Results after angular stable plate osteosynthesis

Authors: Maerdian, Sven / Hufeland, Martin / Dahne, Michael / Schwabe, Philipp / Haas, Norbert / Schaser, Klaus-Dieter

Speaker: Maerdian, Sven (Germany)

Osteosynthesis of supracondylar femoral fractures

Authors: Badila, Adrian Emilian / Radulescu, Radu Adrian / Nutiu, Octavian / Manolescu, Robert / Japie, Ioan Mihai /

Ciobanu, Traian / Papuc, Alexandru / Ninulescu, Cristian / Radulescu, Dragos

Speaker: Badila, Adrian Emilian (Romania)

Distal segmental femoral replacement for complex distal femoral fractures in the elderly

Authors: Moss, Michael / Rao, Biyyam / Kamal, Tamer

Speaker: Rao, Biyyam (United Kingdom)

Have outcomes after patella fracture fixation improved in the last 33 years?

A systematic review and meta-analysis

Authors: Little, Milton / Berkes, Marschall / Roberts, Timothy / Helfet, David / Ma, Yan / Lorich, Dean / Dy, Christopher / Taylor, Samuel

Speaker: Dy, Christopher (United States)

Mistreatment with arthroscopic control in tibial plateau fractures

Authors: Cristea, Stefan / Groseanu, Florin / Prundeanu, Andrei / Atasiei, Tudor / Gartonea, Dinu / Papalici, Andrei

Speaker: Cristea, Stefan (Romania)

Total knee replacement peri-prosthetic fractures in the elderly-morbidity and mortality comparing plating vs. intramedullary nailing

Authors: Karuppiah, Saravana / Faimali, Martina

Speaker: Faimali, Martina (United Kingdom)

Hybrid external fixation in the treatment of Schatzker type V and VI tibial plateau fractures

Authors: Dovris, Dimitrios / Deligeorgis, Anastasios / Aktseis, Ioannis / Papadimas, Dimos / Kokoroghiannis, Constantine /

Kountis, Georgios

Speaker: Kountis, Georgios (Greece)

Eleven cases of Patellar stress fracture in athletes: Influence of the patella alta

Authors: Nakase, Junsuke / Kosaka, Masahiro / Tsuchiya, Hiroyuki / Kitaoka, Katsuhiko / Takeuchi, Naoto / Toratani, Tatsuhiro

Speaker: Toratani, Tatsuhiro (Japan)

Bilateral Pathological Fracture of the Patella: A case report

Authors: Al Khudairy, Ammar / Al-Hadeedi, Omar / Padinjathala, Benny Anto

Speaker: Al Khudairy, Ammar (Canada)

Acutrak screws as a fixation technique for a complex distal femoral (Hoffa's) fracture

Authors: Johnson, Thomas / Dunkow, Paul / Jain, Neil

Speaker: Jain, Neil (United Kingdom)

13:30 – 15:00

Hand & wrist

**SYMPOSIUM** **HAND SURGERY IN OSTEO-ARTICULAR (O.A.) AND RHEUMA DISEASES: WHAT'S NEW?** Room: Hall 9

Moderators: Mamejean, Emmanuel (France), Nelissen, Rob (The Netherlands)

Functionality in rheumatoid hand surgery  
Speaker: Nelissen, Rob (The Netherlands)

Joint synovectomy at the hand, open or arthroscopic  
Speaker: Borisch, Nicola (Germany)

Update on prosthetic replacement of the rheumatoid wrist  
Speaker: Herren, Daniel (Switzerland)

Outcome measures in CMC joint treatment  
Speaker: Marks, Miriam (Switzerland)

First CarpoMetacarpal joint Osteo Arthritis: A place for prosthesis?  
Speaker: Mamejean, Emmanuel (France)

Knee osseous

**FREE PAPER** **TOTAL KNEE REPLACEMENT: DESIGN EFFORTS** Room: Hall 10

Moderators: Verdonk, René (Belgium), Kienapfel, Heino (Germany)

Nexgen mobile bearing versus fixed bearing at 9.5 years  
Authors: Bistolfi, Alessandro / Massazza, Giuseppe / Deledda, Davide / Crova, Maurizio  
Speaker: Bistolfi, Alessandro (Italy)

Fixed-bearing total knee arthroplasty results in improved recovery: A double-blind randomized controlled clinical trial with ambulatory gait analysis of fixed- and mobile-bearing knees  
Authors: Haerberli-Jolles, Brigitte / Eudier, Antoine / Dejnabadi, Hooman / Voracek, Caroline / Pichonnaz, Claude / Aminian, Kamiar / Martin, Estelle / Grzesiak, Arthur  
Speaker: Grzesiak, Arthur (Switzerland)

Kneeling ability after fixed or mobile bearing knee replacement  
Authors: Hassaballa, Mo / Murray, James / Artz, Neil / Robinson, James / Porteous, Andrew  
Speaker: Murray, James (United Kingdom)

Functional outcome of PFC Sigma and PFC Sigma RP-F total knee arthroplasty – a randomised controlled trial  
Authors: Gregg, Paul / Hui, Anthony / Hanusch, Birgit  
Speaker: Hanusch, Birgit (United Kingdom)

A randomised control trial to compare the early functional outcome of two mobile bearing total knee arthroplasty implants  
Authors: Beverland, David / McCaffrey, Daniel  
Speaker: McCaffrey, Daniel (United Kingdom)

The pegged trabecular metal tibial plateau remain superior to screw-fixed pegged porous titanium fiber-mesh tibial plateaus at 5 years: A randomized clinical RSA study of cementless tibial components  
Authors: Stilling, Maiken / Madsen, Frank / Odgaard, Anders / Jepsen, Claus / Rømer, Lone / Søballe, Kjeld  
Speaker: Stilling, Maiken (Denmark)

Short-keeled MIS tibial components show an increased risk for aseptic loosening in the short-term – a retrospective analysis of 159 patients  
Authors: Ries, Christian / Heisel, Christian / Heinichen, Markus / Dietrich, Florian / Jakubowitz, Eike / Sobau, Christian  
Speaker: Ries, Christian (Germany)

Comparison of total knee arthroplasties with Oxidized Zirconium and Cobalt-Chromium femoral components in same patients  
Authors: Kim, Jun-Shik / Park, Jang-Won / Kim, Young-Hoo  
Speaker: Park, Jang-Won (Korea, Republic Of)

Selected within the best Free Papers

Total knee arthroplasty implant design affects functional outcome: Results of a randomised controlled trial  
Authors: Gaston, Paul / Simpson, Hamish / Hamilton, David  
Speaker: Hamilton, David (United Kingdom)

13:30 - 15:00

**Knee osseous**

**FREE PAPER** **OUTCOME AFTER KNEE REPLACEMENT II** **Room: Madrid**

**Moderators: Synder, Marek (Poland), von Knoch, Fabian (Switzerland)**

Total knee replacement in osteoarthritis associated with extra-articular deformity  
Authors: Garabano, German / Nazur, Gabriel / Del Sel, Hernan / Vedoya, Santiago / Viale, German  
Speaker: Vedoya, Santiago (Argentina)

Residual varus alignment does not compromise results of TKAs in patients with preoperative varus  
Authors: Servien, Elvire / Lustig, Sebastien / Demey, Guillaume / Neyret, Philippe  
Speaker: Servien, Elvire (France)

Comparison of patient reported outcome measures following total and unicondylar knee replacement  
Authors: Baker, Paul / Jameson, Simon / Reed, Mike / Gregg, Paul / Deehan, David / Petheram, Tim / Avery, Peter  
Speaker: Baker, Paul (United Kingdom) **Selected within the best Free Papers**

The rotating hinge knee replacement that rotates too much  
Authors: Young, Andrew  
Speaker: Young, Andrew (United Kingdom)

Habitual physical activity after total knee replacement – analysis in 830 patients and comparison with a gender- and age-matched normative population  
Authors: Kersten, Roel / Van Raay, Jos / Bulstra, Sjoerd / Van den Akker-Scheek, Inge / Stevens, Martin  
Speaker: Stevens, Martin (Netherlands)

Primary total knee arthroplasty following septic arthritis  
Authors: Jung, Kwang-Am / Hwang, Byoung-Yoon / Lee, Su-Chan  
Speaker: Lee, Su-Chan (Korea, Republic Of)

Patient reported outcome measures after revision of the infected TKR: Comparison of single vs. two-stage revision  
Authors: Baker, Paul / Petheram, Tim / Kurtz, Steven / Gregg, Paul / Deehan, David  
Speaker: Baker, Paul (United Kingdom)

The effect of total knee replacement on the envelope of laxity of the knee  
Authors: Blain, Alasdair / Longstaff, Lee / Rushton, Steven / David, Deehan / Ghosh, Kanishka  
Speaker: Ghosh, Kanishka (United Kingdom)

The anterior bow of the femur and its Influence on patient satisfaction and femoral size  
Authors: Leibowitz, Evan / Hitt, Kirby / Sanchez, Carlos / Logan, Scott / Streicher, Robert  
Speaker: Leibowitz, Evan (United States)

**Foot/ankle/leg**

**FREE PAPER** **ANKLE LIGAMENTS** **Room: Istanbul**

**Moderators: Zwipp, Hans (Germany), Lauritzen, Jes Bruun (Denmark)**

Very long-term behavior of direct repair of lateral ankle ligaments according to Duquenois: Assessment of a cohort at a mean 3 and 25 years of follow-up  
Authors: Krantz, Nicolas / Berton, Charles / Giraud, Francois / Girard, Julien / Miletic, Bruno / Duquenois, Antoine / Migaud, Henri  
Speaker: Krantz, Nicolas (France)

Chronic ankle instability: Long term follow-up of lateral reconstruction using the extensor retinaculum flap. A report of 150 cases  
Authors: Moroney, Paul / Mabit, Christian / Saragaglia, Dominique / Tourné, Yves  
Speaker: Tourné, Yves (France)

Tensile strength of a novel tendon transfer fixation technique – the double ended tendon weave  
Authors: Machin, David / Geary, Nick / Harper, Aenone  
Speaker: Machin, David (United Kingdom)

The effect of platelet rich plasma on tenocytes in human achilles tendon tissues: An in vitro tissue culture study  
Authors: Alsousou, Joseph / Franklin, Sarah / Hulley, Philippa / Thompson, Mark / Willett, Keith  
Speaker: Alsousou, Joseph (United Kingdom)

13:30 – 15:00

Platelet rich plasma in accelerated achilles tendon regeneration: A randomized controlled trial –pilot phase  
Authors: Thompson, Mark / Willett, Keith / Noble, J A / McNally, Eugene / Handley, Robert / Alsousou, Joseph  
Speaker: Alsousou, Joseph (United Kingdom)

Isokinetic evaluation and morbidity of a novel mini – open Achilles tendon tenorrhaphy  
Authors: Wagner, Emilio / Ortiz, Cristian / Wulf, Rodrigo / Mococain, Pablo / Keller, Andres  
Speaker: Keller, Andres (Chile)

Functional Ultra Sound Elastography (FUSE) of Achilles tendon: A novel reliable mechanical and clinical outcome tool  
Authors: Thompson, Mark / Willett, Keith / Noble, J A / Brown, Phil / McNally, Eugene / Alsousou, Joseph  
Speaker: Alsousou, Joseph (United Kingdom)

Results following modified flexor hallucis tendon transfer for neglected achilles tendon ruptures in patients over 50 years of age: A cohort study of 13 cases with a mean follow up period of 27 months  
Authors: Kankate, Raghubir / Pendse, Aniruddha / Chan, Howard  
Speaker: Chan, Howard (United Kingdom)

Shoulder/elbow, arm/forearm

SYMPOSIUM

SHOULDER INSTABILITY: THE EUROPEAN APPROACH

Room: Hongkong

Moderator: Gazielly, Dominique (Switzerland)

Diagnosis and immediate treatment  
Speaker: Jost, Bernhard (Switzerland)

Anterior instability: Open stabilisation – Bristow-Latarjet  
Speaker: Scarlet, Marius (France)

Anterior instability: Open stabilisation – anterior capsulorrhaphy  
Speaker: Sanderhoff-Olsen, Bo (Denmark)

Posterior instability  
Speaker: Lädermann, Alexandre (Switzerland)

Decision-making process for anterior instability  
Speaker: Thélou, Charles-Edouard (France)

13:30 – 18:15

Sports/knee soft-tissue

EXMEX

REVISION IN CRUCIATE LIGAMENT RECONSTRUCTION

Room: Hall 8

Moderator: Denti, Matteo (Italy)

ACL- Causes of failure, diagnosis and planning  
Speaker: Espregueira-Mendes, Joao (Portugal)

ACL- Graft selection/hardware removal/skin incision/notchplasty revision  
Speaker: Georgulis, Tassos (Greece)

ACL- Tibial tunnel placement/femoral tunnel placement/graft fixation  
Speaker: Denti, Matteo (Italy)

ACL- One stage vs two stage (pros/cons)  
Speaker: Margheritini, Fabrizio (Italy)

ACL- Association or not peripheral plastic  
Speaker: Siebold, Rainer (Germany)

ACL- Post OP management  
Speaker: Georgulis, Tassos (Greece)

Discussion

13:30 - 18:15

BREAK

PCL- Causes of failure, diagnosis and planning  
Speaker: Georgulis, Tassos (Greece)

PCL- Graft selection/hardware removal/skin incision/notchplasty revision  
Speaker: Margheritini, Fabrizio (Italy)

PCL- Tibial tunnel placement/femoral tunnel placement/graft fixation  
Speaker: Siebold, Rainer (Germany)

PCL- One stage vs two stage (pros/cons)  
Speaker: Espregueira-Mendes, Joao (Portugal)

PCL- Post OP management  
Speaker: Denti, Matteo (Italy)

Discussion

15:30 - 16:30

Trauma upper limb

INSTRUCTIONAL  
LECTURE

PROXIMAL HUMERAL FRACTURES

Room: Stockholm

Moderator: Lambert, Simon (United Kingdom)

Speaker: Südkamp, Norbert (Germany)

Hip

FREE PAPER

HIP: IMPLANT IMPINGEMENT AND CDH

Room: Hall 3

Moderators: König, Dietmar (Germany), Timperley, John (United Kingdom)

Does implant impingement happen earlier than bony impingement after total hip arthroplasty ?  
Authors: Ito, Tomoyuki / Horigome, Youji / Takahashi, Yasuhiro / Imai, Norio / Miyasaka, Dai / Minato, Izumi / Endo, Naoto  
Speaker: Ito, Tomoyuki (Japan)

Radiological femoroacetabular impingement in Birmingham Hip Resurfacing  
Authors: Reito, Aleks / Puolakka, Timo / Pajamäki, Jorma  
Speaker: Reito, Aleks (Finland)

Head neck impingement causing severe metallosis: An unusual mechanism of acetabular erosion after bipolar arthroplasty  
Authors: Valera Pertegas, Marius / Gerardo Natera, Luis / Crusi Sererols, Xavier / Sancho Navarro, Rogelio / Moldovan, Radu  
Speaker: Moldovan, Radu (Spain)

Femoral acetabular impingement: Its incidence and significance in patients treated with cannulated screws for femoral neck fractures  
Authors: Obakponovwe, Oghofori / Giannoudis, Peter / Kanakaris, Nikolaos K / Singh, Rahul  
Speaker: Singh, Rahul (United Kingdom)

Prognosis conditions in total hip arthroplasty for congenital dysplastic hips  
Authors: Radulescu, Radu Adrian / Badila, Adrian Emilian / Nutiu, Octavian / Manolescu, Robert / Japie, Ioan Mihai / Ciobanu, Traian / Papuc, Alexandru / Ninulescu, Cristian / Radulescu, Dragos  
Speaker: Radulescu, Radu Adrian (Romania)

Outcome of total hip arthroplasty in patients with high hip dysplasia through the modified direct lateral approach  
Authors: Kubat, Ozren / Bicanic, Goran / Aljinovic, Ana / Delimar, Domagoj  
Speaker: Bicanic, Goran (Croatia)

15:30 – 16:30

Hip

FREE PAPER

METAL-ON-METAL BEARINGS I

Room: Hall 4/5

Moderators: Gill, Richie (United Kingdom), Migaud, Henri (France)

Results of Metal-on-Metal hip resurfacing in patients 40 years old and younger

Authors: Eskelinen, Antti / Pajamäki, Jorma / Puolakka, Timo / Reito, Aleks

Speaker: Reito, Aleks (Finland)

Hip resurfacing using the ReCap hip resurfacing system. A clinical study of 280 hips in a general district hospital

Authors: Hoekstra, Henk / Sijbesma, Thea / Austen, Shennah / Bos, Ellis / Poolman, Rudolf / Van Der Weegen, Walter

Speaker: Van Der Weegen, Walter (Netherlands)

Hip resurfacing arthroplasty– short term survivorship of 4,401 hips from the Finnish Arthroplasty Register

Authors: Mäkelä, Keijo / Virolainen, Petri / Remes, Ville / Pulkkinen, Pekka / Eskelinen, Antti / Seppänen, Matti

Speaker: Seppänen, Matti (Finland)

Metal-On-Metal resurfacing and the cost to the nation: A conservative estimate of the unexpected costs required to implement the new Metal-on-Metal follow-up program in the UK

Authors: Lloyd, John / Wainwright, Thomas / Starks, Ian / Middleton, Robert

Speaker: Lloyd, John (United Kingdom)

Early micro motion of the ASRTM femoral component. Two year Radiostereometric analysis (RSA)

Authors: Penny, Jeannette / Ding, Ming / Ovesen, Ole / Varmarken, Jens-Erik / Overgaard, Søren

Speaker: Penny, Jeannette (Denmark)

Does choice of head diameter and neck geometry affect early migration of a modular stem in Metal-on-Metal total hip arthroplasty?

Authors: Anagnostou, Konstantinos / Evangelou, Konstantinos / Megas, Panagiotis / Georgiou, Christos

Speaker: Georgiou, Christos (Greece)

Paediatrics

FREE PAPER

NEW TRENDS

Room: Hall 6

Moderators: Paterson, Mark (United Kingdom), Lascombes, Pierre (France)

Comparison of MRI versus CT for rotational malalignment in children

Authors: Freitas, Joana

Speaker: Freitas, Joana (Portugal)

Anterior cruciate ligament and intercondylar notch growth patterns in children: A retrospective MRI study

Authors: Potter, Hollis / Hayter, Catherine / Hammoud, Sommer / Ma, Yan / Kepler, Christopher / Berner, Natalie / Green, Daniel

Speaker: Green, Daniel (United States)

Long bone growth control can be achieved with totalepiphysiodesis using 8-plates

An experimental study with repeat magnetic resonance imaging sessions

Authors: Møller-Madsen, Bjarne / Stødkilde-Jørgensen, Hans / Rahbek, Ole / Gottliebsen, Martin

Speaker: Gottliebsen, Martin (Denmark)

Effect of latissimus dorsi and teres major transfers in neglected children with brachial plexus palsy

Authors: Koca, Kenan / Hazneci, Bulent / Atilla, Atil / Basbozkurt, Mustafa / Karslioglu, Bulent / Yildiz, Cemil

Speaker: Koca, Kenan (Turkey)

Segmental reconstruction of long bones after malignant bone tumor resection using 'the induced membrane' technique

Authors: Accadbled, Franck / Villemagne, Thierry / L'Kaissi, Mohammed / Bonnard, Christian / De Billy, Benoit / Sales de Gauzy, Jérôme

Speaker: Accadbled, Franck (France)

Paediatric amputation –the sheffield experience

Authors: Tomlinson, James / Saldanha, Kiran / Fernandes, James / Bell, Mike / Jones, Stan

Speaker: Tomlinson, James (United Kingdom)

15:30 - 16:30

Polytrauma/pelvis

FREE PAPER

POLYTRAUMA/PELVIS II

Room: Hall 7

Moderators: Giannoudis, Peter (United Kingdom), Müller, Marcus (Germany)

S3 level using for iliosacral screw insertion: "Mission impossible"? - a computer-assisted anatomical analysis

Authors: Wohlrab, David / Noser, Hansrudi / Delank, Karl-Stefan / Mendel, Thomas / Radetzki, Florian

Speaker: Radetzki, Florian (Germany)

The Open Blast Pelvis: The Burden of Management

Authors: Ramasamy, Arul / Evans, Scott

Speaker: Evans, Scott (United Kingdom)

Long Term Orthopaedic Complications following Pubic Symphysiotomy

Authors: Galbraith, John / Harty, James / Baker, Joe / Mullan, G / Fleming, Pat / Murphy, K / Marshall, N

Speaker: Galbraith, John (Ireland)

Low energy rami fracture in the elderly population: A life threatening injury?

Authors: Barrera, Sergi / Selga, Jordi / Nardi Vilardaga, Joan / Cáceres Palou, Enric / Haddad, Sleiman / Minguell Monyart, Joan

Speaker: Haddad, Sleiman (Spain)

Saddle pommel induced symphysis pubis diastasis : An unusual case

Authors: Blakemore, Martin / Downham, Christopher

Speaker: Downham, Christopher (United Kingdom)

Hand & wrist

FREE PAPER

CARPAL DISORDERS II

Room: Hall 9

Moderators: Masmajeán, Emmanuel (France), Herren, Daniel (Switzerland)

An acute trauma wrist MR imaging protocol for suspected scaphoid injuries improves detection of occult injuries and prevents overtreatment: A prospective study

Authors: Peter, Noel / Khalil, Mohammed / Giannakakis, Nikolaos-Stylianios

Speaker: Peter, Noel (United Kingdom)

Analysis of the durability of the intrascaphoid compression of headless compression screws:

An in vitro cadaveric study

Authors: Gruszka, Dominik / Burkhart, Klaus / Nowak, Tobias / Rommens, Pol / Müller, Lars

Speaker: Gruszka, Dominik (Germany)

Scaphoid nonunion: Arthroscopic reduction with bone graft

Authors: Shih, Juitien

Speaker: Shih, Juitien (Taiwan, China)

Results of use of multiple Herbert screws as a mean of fixation in scaphoid excision & four corner fusion permitting early wrist movements

Authors: Quolquela, Muhammad

Speaker: Quolquela, Muhammad (Egypt)

Analysis of the three dimensional osteoarthritic changes in the trapeziometacarpal joint

Authors: Stilling, Maiken / Van de Giessen, Martijn / Streekstra, Geert / Vos, Frans / Hansen, Torben / De Raedt, Sepp

Speaker: De Raedt, Sepp (Denmark)

Sports induced isolated scaphoid dislocation in a young adolescent

Authors: Rhee, Shin Jae / Barlow, David / Lewis, Katrina

Speaker: Rhee, Shin Jae (United Kingdom)

Treatment of fractures of the carpal scaphoid by Stubbins technique: A case report

Authors: Martins, Sandra / Lopes, Daniel / Vieira, Sofia / Amaral, Virginia / Martins, Rui / Sousa, Carlos

Speaker: Martins, Sandra (Portugal)



15:30 – 16:30

**Infection**

**INSTRUCTIONAL LECTURE** ACUTE INFECTION AFTER OSTEOSYNTHESIS Room: Hall 10  
Moderator: Cordero-Ampuero, José (Spain)

Speaker: Heppert, Volkmar (Germany)

**Spine**

**INSTRUCTIONAL LECTURE** INFECTION OF THE SPINE Room: Sydney  
Moderator: Berk, Haluk (Turkey)

Speaker: Consciencia, Guimaraes (Portugal)

**EORS – European Orthopaedic Research Society**



**General Orthopaedics / complications / basic science / technology**

**SPECIALTY SESSION** SCORES & TOOLS FOR CLINICAL OUTCOME ASSESSMENT Room: Madrid  
Moderator: Grimm, Bernd (The Netherlands)

Clinical outcome assessment: Today's and future challenges

Speaker: Blom, Ashley (United Kingdom)

Questionnaires: Assessing pain and function for clinical practice and research

Speaker: Dieppe, Paul (United Kingdom)

Objective function: Inertia-sensor based motion analysis for routine clinical follow-up

Speaker: Mechlenburg, Inger (Denmark)

Activity monitoring: New possibilities for orthopaedic patient follow-up

Speaker: Grimm, Bernd (The Netherlands)

**Foot/ankle/leg**

**INSTRUCTIONAL LECTURE** MANAGEMENT OF ANKLE OSTEOARTHRITIS Room: Istanbul  
Moderator: Besse, Jean-Luc (France)

Speaker: Valderrabano, Victor (Switzerland)

**Trauma upper limb**

**FREE PAPER** TRAUMA UPPER LIMB II Room: Hongkong  
Moderators: Muñoz Vives, Josep (Spain), Weber, Oliver (Germany)

Ilizarov-based cosed nailing of radial and ulnar shaft fractures in adults

Authors: Lazarev, Alexander / Bliznets, Danil / Chelnokov, Alexander

Speaker: Chelnokov, Alexander (Russian Federation)

Radiographic predictors of instability in diaphyseal fractures of the paediatric forearm

Authors: Tillotson, Laura / McCann, Philip

Speaker: Tillotson, Laura (United Kingdom)

Results of distal third fractures of humerus treated with retrograde halder humeral nail

Authors: Halder, Subhash / Bhatt, Hinesh

Speaker: Bhatt, Hinesh (United States)

Results after primary and secondary implantation of monobloc radial head prostheses in complex elbow injuries

Authors: Jensen, Gunnar / Voigt, Christine / Lill, Helmut / Katthagen, Jan Christoph

Speaker: Katthagen, Jan Christoph (Germany)

15:30 – 16:30

Elastic stable intramedullary nailing in the distal third humeral fractures

Authors: Chelnokov, Alexander / Bazhenov, Alexey  
Speaker: Chelnokov, Alexander (Russian Federation)

Fracture-avulsion of the coronoid process in children – case report

Authors: Massada, Marta / Freitas, Daniel / Costa, Luís / Soares, Daniel / Leite, Luciana / Silva, César / Trigueiros, Miguel / Aido, Ricardo  
Speaker: Aido, Ricardo (Portugal)

Antipodal paediatric Galeazzi fracture dislocation of the forearm. 3d Computed Tomographic guided reduction of a previously unreported fracture pattern

Authors: Nandra, Rajpal / Malik, Shahbaz / Sambatakakis, Andreas / Uppal, Harpal  
Speaker: Nandra, Rajpal (United Kingdom)

16:45 – 17:45

Hip

FREE PAPER

METAL-ON-METAL BEARINGS II

Room: Hall 4/5

Moderators: Gill, Richie (United Kingdom), Migaud, Henri (France)

The incidence of pseudotumour in Metal-on-Metal hip resurfacing and the results of a screening tool for patient recall

Authors: Masterson, Sean / Marsh, Robert / Glyn-Jones, Sion / Erturan, Gurhan / Gibbons, Max / McLardy-Smith, Peter / Carr, Andrew / Beard, David / Barker, Karen  
Speaker: Erturan, Gurhan (United Kingdom)

Cobalt level in plasma – A predictive factor in total hip resurfacing?

Authors: Rienmüller, Anna / Guggi, Thomas / Liebert, Gunnar / Leunig, Michael  
Speaker: Guggi, Thomas (Switzerland)

The effect of obesity on blood metal ion levels after hip resurfacing and Metal-on-Metal total hip replacement

Authors: Sawalha, Seif / Ravikumar, Raveena / Chowdhury, Emyr / Massraf, Araz  
Speaker: Sawalha, Seif (United Kingdom)

A clinico-pathological study of 60 revised Metal-on-Metal hip arthroplasties seeking evidence for adverse reactions to metal debris

Authors: Revell, Matthew / Matharu, Gulraj / Sumathi, Vaiyapuri / Pynsent, Paul / Revell, Peter  
Speaker: Matharu, Gulraj (United Kingdom)

Long term outcome of cemented 28 mm head Metal-on-Metal hip replacement: Eleven to fourteen years clinical, radiographic and metal ion serology results

Authors: Malek, Ibrahim / Mallya, U Nagesh / Patange Subba Rao, Sheethal Prasad  
Speaker: Patange Subba Rao, Sheethal Prasad (United Kingdom)



Cementless total hip arthroplasty with large diameter Metal-on-Metal heads – short term survivorship of 8,059 hips from the Finnish Arthroplasty Register

Authors: Mokka, Jari / Mäkelä, Keijo / Virolainen, Petri / Remes, Ville / Pulkkinen, Pekka / Eskelinen, Antti  
Speaker: Mokka, Jari (Finland)

Knee osseous

FREE PAPER

TOTAL KNEE REPLACEMENT – MISCELLANEOUS

Room: Hall 10

Moderators: Sur, Hakki (Turkey), Lohmann, Christoph (Germany)

The influence of posterior tibial slope on extension and flexion gap in total knee arthroplasty

Authors: Kamphausen, Marcus / Pagenstert, Geert / Valderrabano, Victor / Müller-Gerbl, Magdalena / Nowakowski, Andrej  
Speaker: Kamphausen, Marcus (Germany)

The difference in prevalence and outcome of total knee arthroplasty between ethnic groups

Authors: Pennington, Richard / Lee, Tack Shin / Underdown, Nikki / Wilkinson, Michael / Alao, Uthman  
Speaker: Alao, Uthman (United Kingdom)



16:45 – 17:45

Clinical, functional, and patient reported outcomes after revision total knee arthroplasty for patients with rheumatoid arthritis  
 Authors: Keurentjes, J. Christiaan / Van der Linden-van der Zwaag, Henrica M.J. / Nelissen, Rob / Nouta, Klaas Auke / De Vlieger, Johan C.N.  
 Speaker: De Vlieger, Johan C.N. (Netherlands)

A prospective randomized RSA and DEXA study with two years of follow-up evaluating the use of Trabecular Metal Cones for reconstruction of bone loss of the proximal tibia in revision total knee arthroplasty in patients with severe bone loss  
 Authors: Petersen, Michael Mørk / Schröder, Henrik / Flivik, Gunnar / Lund, Bjarne / Jensen, Claus Lindkær  
 Speaker: Jensen, Claus Lindkær (Denmark)

The effects of age on knee arthroplasty patient reported outcomes  
 Authors: Price, Andrew / Beard, David / Arden, Nigel / Hadfield, S / Murray, David / Field, Richard / Williams, Derfel  
 Speaker: Williams, Derfel (United Kingdom)

The role of circumpatellar denervation during primary total knee replacement:  
 A double blind randomised control study  
 Authors: Raut, Videsh / McLauchlan, George / Pulavarti, Ramnadh  
 Speaker: Pulavarti, Ramnadh (United Kingdom)

Foot/ankle/leg

FREE PAPER

HALLUX VALGUS AND RELATED ISSUES

Room: Istanbul

Moderators: Delmi, Marino (Switzerland), Stephens, Michael (Ireland)

Local anaesthetic ankle block in elective forefoot surgery: Anaesthetist or surgeon?  
 Authors: Kheir, Ehab / Ghaz, Ali / Simenacz, Mark / Farndon, Mark  
 Speaker: Kheir, Ehab (United Kingdom)

First metatarsophalangeal joint arthrodesis with a pre-contoured dorsal plate and spherical reamers provides early fusion and high patient satisfaction: A retrospective review of 100 cases  
 Authors: Khan, Tanvir / Chan, Warwick / Taneja, Tarun / Watson, Alexander  
 Speaker: Khan, Tanvir (United Kingdom)

Selected within the best Free Papers

First metatarso-phalangeal joint arthrodesis using a dorsal Anchorage plate™ and plantar double-compression screw. A prospective, randomised study of 100 patients comparing two methods of joint preparation. Early results  
 Authors: Moroney, Paul / Tourné, Yves  
 Speaker: Tourné, Yves (France)

Interpositional Bone Block Arthrodesis for failed Hallux Metatarsophalangeal Joint Surgery: A review of 21 cases  
 Authors: Nunn, Timothy / Qamar, Faisal / Rao, Vadlamani / Shanker, Jai / Malhotra, Karan  
 Speaker: Malhotra, Karan (United Kingdom)

Inter- and intra-observer reliability of an accelerometer-based device for measuring radiographic angles in hallux valgus  
 Authors: Walter, Richard / Kosy, Jonathan / Cove, Richard  
 Speaker: Walter, Richard (United Kingdom)

The sentinel vein: An anatomical guide to localisation of the dorsomedial cutaneous nerve in hallux surgery  
 Authors: Hossain, Munier / Kumar, Aravind / Mbako, Aloysius / Makwana, Nilesh  
 Speaker: Mbako, Aloysius (United Kingdom)

16:45 - 18:15

**ARTOF** – Association for the Rational Treatment of Fractures



**Trauma lower limb**

<b>SPECIALTY SESSION</b>	<b>PRIMARY AND SECONDARY JOINT REPLACEMENT AFTER FRACTURES: PROVEN PRINCIPLES AND NEW OPTIONS</b>	<b>Room: Stockholm</b>
	<b>Moderator: Biberthaler, Peter (Germany)</b>	
	Indication of anatomic and inverse prosthesis Speaker: Biberthaler, Peter (Germany)	
	Hemi-and complete elbow and radial head Speaker: Ruecker, Andreas (Germany)	
	Indication, mono-, bi-polar and total replacement Speaker: Waddell, James (Canada)	
	Primary vs. secondary revision systems Speaker: Keating, John (United Kingdom)	
	Lighthouses for orthopaedic nightmares Speaker: Ruchholtz, Steffen (Germany)	

**Hip**

<b>SYMPOSIUM</b>	<b>THE DYSPLASTIC HIP IN THE YOUNG ADULTS</b>	<b>Room: Hall 3</b>
	<b>Moderator: Siebenrock, Klaus (Switzerland)</b>	
	Outcome parameters after 20 years of experience with the Bernese acetabular osteotomy Speaker: Siebenrock, Klaus (Switzerland)	
	Hip preservation beyond the classical pelvic osteotomies Speaker: Ganz, Reinhold (Switzerland)	
	Is the Chinese hip different? The Shanghai experience Speaker: Chen, Xiaodong (China)	
	Screening or early intervention to avoid later residual hip joint deformity? Speaker: Inan, Muharrem (Turkey)	

**Paediatrics**

<b>SYMPOSIUM</b>	<b>SWOLLEN JOINT IN CHILDREN</b>	<b>Room: Hall 6</b>
	<b>Moderator: Viehweger, Elke (France)</b>	
	Swollen joint in children: Diagnostic orientation and EFORT/EULAR recommendations Speaker: Ippolito, Ernesto (Italy)	
	Swollen joint and tumours Speaker: Wirth, Thomas (Germany)	
	Swollen joint: Trauma and overuse injuries Speaker: Accadbled, Franck (France)	
	Swollen joint in children: Update in infections and rheumatoid disease Speaker: Ceroni, Dimitri (Switzerland)	

**Trauma lower limb**

<b>SYMPOSIUM</b>	<b>KNEE DISLOCATION</b>	<b>Room: Hall 7</b>
	<b>Moderator: Hangody, Laszlo (Hungary)</b>	
	Initial treatment of neurovascular lesions after knee dislocation Speaker: Benedetto, Karl (Austria)	

16:45 – 18:15

Epidemiology of knee dislocation  
Speaker: Ríos, Antonio (Spain)

Current concept in surgical treatment of knee dislocations  
Speaker: Hirschmann, Michael (Switzerland)

Outcome after knee dislocations: Short and long-term results  
Speaker: Engebretsen, Lars (Norway)

Hand & wrist

FREE PAPER

SOFT-TISSUE DISORDERS

Room: Hall 9

Moderators: Haerle, Max (Germany), Mathoulin, Christophe (France)



Three-year recurrence rates of Dupuytren's Contracture following successful collagenase Clostridium Histolyticum treatment

Authors: Gerber, Robert / Boyce, Dean / Boeckstyns, Michel / Vasenius, Jarkko / Kaplan, F. Thomas / Peimer, Clayton / Blazar, Philip / Smith, Theodore / Tursi, James / Cohen, Brian / Szczypa, Piotr  
Speaker: Vasenius, Jarkko (United States)

Outcomes of a specialist one-stop Dupuytren's percutaneous needle fasciotomy clinic  
Authors: Foote, Julian / Dodd, Laurence / Oakley, Jane / Nunez, Valerie  
Speaker: Foote, Julian (United Kingdom)

Outcome of reconstruction of annular pulleys of the hand flexor tendon sheath using free flexor digitorum superficialis tendon graft  
Authors: Quolquela, Muhammad  
Speaker: Quolquela, Muhammad (Egypt)

The epidemiology of re-operation after flexor tendon repair  
Authors: Dy, Christopher / Daluiski, Aaron / Lyman, Stephen / Do, Huong / Hernandez-Soria, Alexia  
Speaker: Dy, Christopher (United States)

Extensor Carpi Ulnaris groove morphology and the development of a classification system  
Authors: Edge, Antonia / Turner, Robert / Patel, Amit  
Speaker: Patel, Amit (United Kingdom)

Novel method of diagnosing autonomic dysfunction in Carpal Tunnel Syndrome: Measuring skin capacitance  
Authors: Ibrahim, Inji / Khan, Wasim / Dheerendra, Sujay / Smitham, Peter / Goddard, Nicholas  
Speaker: Ibrahim, Inji (United Kingdom)

Glomus tumours in the hand  
Authors: Spiteri, Veronique / Spiteri, Michelle  
Speaker: Spiteri, Michelle (Malta)

Digital Mucous Cysts – results of sixty-nine patients following surgical excision using a local rotation skin flap  
Authors: Johnson, Simon / Cox, Quentin  
Speaker: Johnson, Simon (United Kingdom)

The a3 pulley trigger finger  
Authors: Aframian, Alexandra / Muthian, Senthil  
Speaker: Muthian, Senthil (United Kingdom)

Reversed Palmaris Longus muscle – the unusual cause of Carpal Tunnel Syndrome, excise or release?  
Authors: Khan, Amer / Fahmy, Amr  
Speaker: Fahmy, Amr (United Kingdom)



Wednesday  
23 May

WEDNESDAY  
23 MAY

16:45 - 18:15



General education

**SYMPOSIUM** EUROPE ON THE MOVE: PROMOTING ACTIVE AND HEALTHY AGEING Room: Sydney  
Moderator: Puhl, Wolfhart (Germany)

General Orthopaedics / complications / basic science / technology

**SYMPOSIUM** STEM CELLS THERAPY IN ORTHOPAEDICS Room: Madrid  
Moderator: Hernigou, Philippe (France)

Applications of stem cells in orthopedic surgery: Osteonecroses and delayed unions  
Speaker: Hernigou, Philippe (France)

Harvesting stem cells from the femoral shaft  
Speaker: Giannoudis, Peter (United Kingdom)

Scaffolds for bone regeneration: What do osteoblasts like?  
Speaker: Jäger, Marcus (Germany)

The reborn European project  
Speaker: Gomez-Barrena, Enrique (Spain)

Shoulder/elbow, arm/forearm

**SYMPOSIUM** ROTATOR CUFF TEARS Room: Hongkong  
Moderator: Randelli, Pietro (Italy)

Arthroscopic diagnosis and classification  
Speaker: Kovacic, Ladislav (Slovenia)

Treatment of partial thickness tears  
Speaker: Cartucho, Antonio (Portugal)

Treatment of full thickness tears  
Speaker: Calvo, Angel (Spain)

Biotechnology in rotator cuff repair  
Speaker: Randelli, Pietro (Italy)

09:00 – 18:30 Nurse Day Programme

General Education

NURSE DAY Room: Oslo  
Chairs: Hommel, Ami (Sweden), Kocks, Andreas (Germany)

09:00 – 09:10 Welcome  
Hommel, Ami (Sweden) / Kocks, Andreas (Germany)

09:10 – 10:30 Workshop: Writing for publication in nursing journals  
Santy-Tomlinson, Julie (United Kingdom)

10:30 – 11:00 Coffee break / Exhibition area

FREE PAPER NURSE ORAL PRESENTATIONS I

11:00 – 11:10 Nursing rehabilitation of patients after total hip replacement:  
Based on Patient Reported Outcome Measurements (PROMs)  
Authors: Hordam, Britta  
Speaker: Hordam, Britta (Denmark)

11:10 – 11:20 PROHIP - Development of an E-Health concept due to hip surgery  
Authors: Hordam, Britta / Hommel, Ami  
Speaker: Hordam, Britta (Denmark)

11:20 – 11:30 Elderly patients with cognitive impairment after arthroplasty of hip or knee –  
Nursing interventions and their evidence  
Authors: Rosenberg, Regina / Beste, Liliane / Kocks, A. / Pröbstl, A.  
Speaker: Rosenberg, Regina (Germany) / Beste, Liliane (Germany)

11:30 – 11:40 Evaluation of the preoperative nurse information session for total knee arthroplasty  
Authors: Surmont, Kurt / Bellemans, Johan / Klok, Isabel / Degraeuwe, Eline / Vanhaecht, Kris / De Bent, Johan  
Speaker: De Bent, Johan (Belgium)

11:40 – 11:50 Confidence at discharge from hospital after a total hip- or knee-arthroplasty  
Authors: Rønfeldt, Ingerlise / Zytphen-Adeler, Gitte  
Speaker: Zytphen-Adeler, Gitte (Denmark)

11:50 – 12:00 Questions and Answers

12:00 – 13:30 Lunch

13:30 – 14:00 Poster-viewing

FREE PAPER NURSE ORAL PRESENTATIONS II


14:00 – 14:10 Processes behind the establishment of a short course in good clinical practice  
and topics specific to study coordinators  
Authors: Fäh, Andreas / Steinfelder, Nicole / De Faoite, Diarmuid  
Speaker: De Faoite, Diarmuid (Switzerland)

14:10 – 14:20 How accreditation standards affects the working practices, processes and competences of nurses over time  
Authors: Evaristi, Dorte  
Speaker: Evaristi, Dorte (Denmark)

14:20 – 14:30 Nurse- led outpatient clinic to ensure quick control of patients with problems  
Authors: Rønfeldt, Ingerlise / Grønhøj, Elin  
Speaker: Rønfeldt, Ingerlise (Denmark)

14:30 – 14:40 Evaluation of the practice of clinical case manager model in nursing services in terms of patient satisfaction  
and comparison of the results  
Authors: Yilmaz, Emel  
Speaker: Yilmaz, Emel (Turkey)

14:40 – 14:50 Are leaders born or made?  
Authors: Collins, Elaine  
Speaker: Collins, Elaine (United Kingdom)

 14:50 – 15:00 Telephone follow-up of patients after surgery: The influence of the interviewers on patients' responses  
Authors: Gren, Hans / Atroshi, Isam / Ahlgren, Eva  
Speaker: Ahlgren, Eva (Sweden)

15:00 – 15:30 Coffee break / Exhibition area

09:00 – 18:30

Nurse Day Programme



**SPECIALTY SESSION**      **ICON SESSION – INTERNATIONAL COLLABORATION OF ORTHOPAEDIC NURSING**

15:30 – 16:00      Advancing orthopaedics and trauma nursing through international collaboration  
 Maher, Ann Butler  
 (USA, Family Nurse Practitioner, Long Branch, New Jersey USA, Editor Emeritus, Orthopaedic Nursing Journal. ICON Ambassador)

**FREE PAPER**      **NURSE ORAL PRESENTATIONS III**

16:00 – 16:10      The Importance of involving patient perspectives – in order to change lifestyle during hospitalization  
 Authors: Højen, Susanne / Lisby, Hanne  
 Speaker: Lisby, Hanne (Denmark)

16:10 – 16:20      The role of an RN patient educator in an elective orthopaedic surgical hospital  
 Authors: Davis, Jack P / D'Andrea, Stephanie  
 Speaker: D'Andrea, Stephanie (United States)

16:20 – 16:30      The Ponseti method for treatment of primary clubfoot. A report on the experiences from Odense University Hospital with an overall focus on the nurses coordinating role  
 Authors: Vilhelm August Engell / Lundgard, Bjarne / Jensen, Charlotte Myhre  
 Speaker: Myhre Jensen, Charlotte (Denmark)

16:30 – 16:40      Security for patient and implant bar code system  
 Authors: Rønfeldt, Ingerlise / Dahm Jørgensen, Anna Marie  
 Speaker: Dahm Jørgensen, Anna Marie (Denmark)

16:40 – 16:50      High patient-satisfaction with nurse-performed preliminary examinations  
 Authors: Kærsgaard, Anne-Lise / Lund Ditlevsen, Lisbeth  
 Speaker: Ditlevsen, Lisbeth (Denmark)

16:50 – 17:00      New challenges for nursing at an ortogeriatric unit – the intersection of two specialties  
 Authors: Gundersen, Ulla / Wendeloe, Merete / Hagel Andersen, Signe / Mathiassen, Anne Katrine / Van Der Mark, Susanne / Due Kay, Lise  
 Speaker: Gundersen, Ulla (Denmark)

17:00 – 17:10      Comparison of the medical dressings with sterilized normal saline (0,09%NaCl) and 10% Povidone Iodine applied on surgical incision wounds  
 Authors: Yilmaz, Emel  
 Speaker: Yilmaz, Emel (Turkey)

17:10 – 17:20      What factors influence long-term patient review following a distal radial fracture?  
 Authors: Carnegie, Carol  
 Speaker: Carnegie, Carol (United Kingdom)



**SPECIALTY SESSION**      **EWMA SESSION – EUROPEAN WOUND MANAGEMENT ASSOCIATION**

17:20 – 18:20      Pressure ulcer  
 Bale, Sue (United Kingdom, Assistant Nurse Director, Aneurin Bevan Health Board, Visiting Professor at the Universities of Cardiff and Glamorgan Council Member and Editor of EWMA)

18:20 – 18:30      Take home message  
 Hommel, Ami (Sweden) / Kocks, Andreas (Germany)



# AS Advanced Surface



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12.1 / 31

## 7 Layers to Protect You

**13 % of the population is metal sensitive<sup>1</sup>**  
Prevents allergies

**Wear is number one reason for revision<sup>2</sup>**  
Reduces wear by 65 %<sup>3,4</sup>

**Designed for Performance**  
7 layers prevent mechanical ablation

<sup>1</sup> Schäfer T, Böhler E, Ruhdorfer S, Weigl L, Wessner D, Filipiak B, Wichmann HE, Ring J. Epidemiology of contact allergy in adults. *Allergy*. 2001 Dec;56(12):1192-6.

<sup>2</sup> Sharkey PF, Hozack WJ, Rothman RH, Shastri S, Jacoby SM. Insall Award paper. Why are total knee arthroplasties failing today? *Clin Orthop Relat Res*. 2002 Nov;(404):7-13.

<sup>3</sup> Affatato S, Spinelli M, Lopomo N, Grupp TM, Marcacci M, Toni A. Can the method of fixation influence the wear behaviour of ZrN coated unicompartmental mobile knee prostheses? *Clin Biomech (Bristol, Avon)*. 2011 Feb;26(2):152-8. Epub 2010 Oct 8.

<sup>4</sup> Grupp TM, Schwiesau T. Determination of the wear behavior of the univication mobile knee system T018, Mar 2007.

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# Welcome to EFORT 2012!

## Welcome to Berlin!

Opening Ceremony & Welcome Reception  
Wednesday 23 May, 18:30 - 20:00, Hall 2

Welcome

Decade of Action for Road Safety 2011-2020

The Chinese Orthopaedic Association as Invited Nation

Award ceremony

Performance: Flying Steps Family!

Welcome reception at 20:00 after the Opening Ceremony

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The world-class urban dance crew Flying Steps Family breathhtaking performance using urban dance to intepret a mix of modern beats and classical Flying Steps Family - Classic meets Breakdance!

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- General Orthopaedics
- Upper Limb
- Lower Limb
- Spine
- Trauma/Polytrauma
- Paediatrics
- Comprehensive Review Course

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Room	Stockholm	Hall 3	Hall 4/5	Hall 6	Hall 7	Hall 8	Hall 9
Time							
08:00	Intertrochanteric fractures I Trauma lower limb Free Paper	New trends in avascular necrosis of the femoral head Hip Instructional Lecture	Experimental & miscellaneous I Trauma lower limb Free Paper	Benign tumours Bone & joint tumours Free Paper	Indications for knee arthroplasty Knee osseous Instructional Lecture	Acetabular fractures Trauma lower limb ExMex Registration required.	The multi-modal approach to metastatic Disease Bone & joint tumours Instructional Lecture
08:15							
08:30							
08:45							
09:00	BREAK	BREAK	BREAK	BREAK	BREAK		BREAK
09:15	Differential treatment of femur fractures Polytrauma/pelvis Specialty Session ESTES	Bone defect reconstruction in hip revision arthroplasty Hip Symposium	Hip: Various including pelvic osteotomy Hip Free Paper	Osteotomies in severe knee deformity Knee osseous Controversial Case Discussion	Primary knee arthroplasty in fractures Knee osseous Symposium		Bone substitutes / complications / basic science / technology Symposium
09:30							
09:45							
10:00							
10:15							
10:30							
10:45	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK	
11:00							
11:15	Proximal femoral fractures Trauma lower limb Instructional Lecture	Navigation and hip surgery Hip Instructional Lecture	Experimental & miscellaneous II Trauma lower limb Free Paper	Osteoporotic vertebral fractures: vertebro-/kyphoplasty vs. conservative treatment Osteoporosis Cross-Fire-Discussion	Thromboembolism and blood management Knee osseous Free Paper	How to manage osteolytic lesions - diagnosis and treatment Bone & joint tumours Instructional Lecture	
11:30							
11:45							
12:00							
12:15		Erwin Morscher Honorary Lecture					
12:30							
12:45	Primary patient specific management. How different hips need their own matching philosophy. Industry Symposium Limacorporate S.p.A.	Transforming thromboprophylaxis: The transition of rivaroxaban from concept to clinic - a discussion Industry Symposium Bayer Healthcare	Innovations in intramedullary nailing Industry Symposium Synthes GmbH		Clinical success with Mathys innovations Industry Symposium Mathys Ltd Bettlach	Contemporary treatment of complex arthroplasty Industry Symposium Biomet	
13:00							
13:15							
13:30							
13:45							
14:00							
14:15	Injury prevention General Orthopaedics / complications / basic science / technology Symposium	Short-term effects of National Arthroplasty Registers General Orthopaedics Symposium	Non-union/infection Trauma lower limb Free Paper	Differential diagnostic aspects of musculoskeletal tumors Bone & joint tumours Controversial Case Discussion	Unicompartmental knee arthroplasty Knee osseous Free Paper	Osteoporosis and operative treatment of fragility fractures Osteoporosis ExMex Registration required.	Total knee arthroplasty in China and Europe: Current issues Knee osseous Symposium
14:30							
14:45							
15:00							
15:15							
15:30							
15:45	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK	
16:00							
16:15	Femoral neck fracture Trauma lower limb Free Paper	Conservative treatment of osteoarthritis of the hip Hip Specialty Session EHS	The spectrum of polytrauma Polytrauma/pelvis Instructional Lecture	Sarcoma II Bone & joint tumours Free Paper	Osteotomies around the knee I Knee osseous Free Paper	Experimental bone healing General Orthopaedics Free Paper	
16:30							
16:45							
17:00							
17:15	BREAK		BREAK	BREAK	BREAK	BREAK	
17:30	Femoral neck fracture - hemiarthroplasty Trauma lower limb Free Paper		Trauma lower limb I Trauma lower limb Free Paper	Sarcoma III Bone & joint tumours Free Paper	Osteotomies around the knee II Knee osseous Free Paper	Multimodal treatment of back pain Pain Control/rehabilitation and non-surgical management Instructional Lecture	
17:45							
18:00							
18:15							

20.30 - 02.00 Berlin Night at Kaufhaus Des Westens (KaDeWe), see pages 94, 139

GENERAL ORTHOPAEDICS
  UPPER LIMB
  LOWER LIMB
  SPINE
  TRAUMA/POLY-TRAUMA
  PAEDIATRICS
  GENERAL EDUCATION

# Thursday 24 May

Hall 10	Sydney	Madrid	Istanbul	Oslo	Hongkong	Koch	Room
Knee and sports trauma I Sports/knee soft-tissue Free Paper	Deep Vein Thrombosis prophylaxis in lower limb trauma and joint replacement General Orthopaedics Free Paper	Shoulder instability I Shoulder/elbow, arm/forearm Free Paper	Resurfacing I Hip Free Paper	General education <b>Comprehensive Review Course</b>  Registration required.	Degenerative conditions I Spine Free Paper		Time
BREAK	BREAK	BREAK	BREAK		BREAK		08:00
Patellofemoral pain: A global approach Sports/knee soft-tissue Symposium	Orthopaedics in wounds – a multidisciplinary approach General Orthopaedics Specialty Session EWMA	EFORT-EULAR symposium: Recommendations on treatment of the patient with fragility fractures Osteoporosis Symposium	Adolescent avascular necrosis Paediatrics Symposium		Artificial nerve-guides in peripheral nerve trauma General Orthopaedics Specialty Session ESB		08:15
BREAK	BREAK	BREAK	BREAK		BREAK		08:30
Knee and sports trauma II Sports/knee soft-tissue Free Paper	Outcome of total hip arthroplasty and hip arthroscopy Hip Free Paper	Shoulder instability II Shoulder/elbow, arm/forearm Free Paper	Resurfacing II Hip Free Paper		Degenerative conditions II Spine Free Paper		08:45
							09:00
SMF & Verilast – The step beyond standard hip replacement Industry Symposium Smith & Nephew Orthopaedics AG	Managing the modern patient THA Industry Symposium Stryker SA	Status & future of rapid recovery THA & TKA Industry Symposium Biomet Europe	Hands across time: Past, present and future in Dupuytren's contracture Industry Symposium Pfizer LTD		Hip revision & trauma: Solutions for fractures of the proximal femur Industry Symposium Zimmer GmbH		09:15
Diagnostic and treatment procedure in prosthesis infections I Infection Free Paper	Hip and knee replacement: Important information General Orthopaedics Free Paper	EFORT-IOF bone fragility management symposium Osteoporosis Symposium	Hip & foot Paediatrics Free Paper		Modern concepts in rehabilitation Pain Control/rehabilitation and non-surgical management Symposium		09:30
BREAK	BREAK	BREAK	BREAK		BREAK		09:45
Diagnostic and treatment procedures in prosthesis infections II Infection Free Paper	Revision total hip replacement I Hip Free Paper	Wrist arthroscopy, standard procedures Hand & wrist Specialty Session FESSH/EWAS	Total hip replacement – acetabular fracture Hip Free Paper		Deformity Spine Free Paper		10:00
BREAK	BREAK		BREAK		BREAK		10:15
Diagnostic and treatment procedures in prosthesis infections III Infection Free Paper	Revision total hip replacement II Hip Free Paper		Total hip replacement – femoral fracture Hip Free Paper		Basic science / biomechanics Spine Free Paper		10:30
						10:45	
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						18:15	

20.30 – 02.00 Berlin Night at Kaufhaus Des Westens (KaDeWe), see pages 94, 139

08:00 – 09:00

Trauma lower limb

FREE PAPER

INTERTROCHANTERIC FRACTURES I

Room: Stockholm

Moderators: Bégué, Thierry (France), Hoffmann, Reinhard (Germany)

Less than half of hip fracture patients do not regain mobility in the first postoperative year

Authors: Vochtelloo, Anne / Moerman, Sophie / Tuinebreijer, Wim / De Vries, Mark / Bloem, Rolf / Maier, Andrea / Nelissen, Rob / Pilot, Peter

Speaker: Moerman, Sophie (Netherlands)

Is mortality after hip fracture associated with surgical delay or admission during weekends and public holidays? – a retrospective study of 44.802 patients

Authors: Dauggard, Cecilie L. / Riis, Troels / Jørgensen, Henrik L. / Duus, Benn / Van der Mark, Susanne

Speaker: Dauggard, Cecilie L. (Denmark)

Advanced age, place of trauma and male gender but not preoperative waiting time was associated with death after proximal femoral nailing

Authors: Maansson, Lukas / Ahrabi, Vahid

Speaker: Ahrabi, Vahid (Norway)

In support of early surgery for hip fractures sustained by elderly patients on clopidogrel

Authors: Chechik, Ofir / Amar, Eyal / Kadar, Assaf / Khashan, Morsi / Rosenblatt, Yishai / Maman, Eran

Speaker: Chechik, Ofir (Israel)

Treatment of trochanteric femoral fractures with the Gamma3-Nail – preliminary results of a monitored International prospective clinical follow-up Study

Authors: Schulz, Arndt Peter / Kemper, Helena / Wendlandt, Robert / Wilde, Erik / De Boer, Ytje / Jürgens, Christian

Speaker: Schulz, Arndt Peter (Germany)

Inadequate three-point proximal fixation predicts failure of the gamma intramedullary nail

Authors: Pollard, Thomas / Andrade, Antonio / Abram, Simon

Speaker: Abram, Simon (United Kingdom)

Hip

INSTRUCTIONAL LECTURE

NEW TRENDS IN AVASCULAR NECROSIS OF THE FEMORAL HEAD

Room: Hall 3

Moderator: Zagra, Luigi (Italy)

Speaker: Malizos, Konstantinos (Greece)

Trauma lower limb

FREE PAPER

EXPERIMENTAL & MISCELLANEOUS I

Room: Hall 4/5

Moderators: Ruchholtz, Steffen (Germany), Rueger, Johannes (Germany)

The impact of nicotine on bone and fracture healing: A systematic review

Authors: Graham, Simon / Giannoudis, Peter / Kanakaris, Nikolaos K / Kallala, Rami / Barrow, Jonathan

Speaker: Kallala, Rami (United Kingdom)

The positive effects of melatonin and caffeic acid phenethyl ester on fracture healing in the setting of acute prolonged ischemia, experimental study

Authors: Asci, Murat / Sahin, Seyyid Ahmet / Bostan, Bora / Gunes, Taner / Sen, Cengiz / Koseoglu, Resid Dogan / Erdem, Mehmet

Speaker: Asci, Murat (Turkey)

Micro-arc oxidation of biodegradable magnesium implant surface approaches degradation performance to fracture consolidation

Authors: Kraus, Tanja / Martinelli, Elisabeth / Pichler, Karin / Haenzi, Anja / Uggowitzner, Peter / Weinberg, Annelie /

Wu, Xujun / Fischerauer, Stefan

Speaker: Fischerauer, Stefan (Austria)

The adjacent bone loss to a mid-diaphyseal fracture in an ovariectomized rat model and the influence of inbandronate

Authors: Kafchitsas, Konstantinos / Kurth, Andreas / Habermann, Bjoern

Speaker: Habermann, Bjoern (Germany)

Serum lactate predicts mortality in hip fracture patients  
Authors: Uzoigwe, Chika / Young, Peter / Middleton, Rory / Burnand, Henry  
Speaker: Burnand, Henry (United Kingdom)

**Bone & joint tumours**

FREE PAPER

**BENIGN TUMOURS**

Room: Hall 6

Moderators: Gosheger, Georg (Germany), Capanna, Rodolfo (Italy)

Outcome after surgical resections in patients with pigmented villonodular synovitis (PVS)

Authors: Dürr, Hans / Günther, Christian / Bakhshai, Yasmin / Tilling, Reinhold / Jansson, Volkmar / Baur-Melnyk, Andrea / Weiler, Christoph  
Speaker: Bakhshai, Yasmin (Germany)

Surgical management of Giant Cell Tumors with a pathologic fracture – oncologic, surgical and functional outcome of curettage with adjuvants and resection

Authors: Dijkstra, Sander / Campanacci, Domenico / Ippolito, Massimiliano / Capanna, Rodolfo / Gibbons, Charles / Van de Sande, M.A.J. / Van Der Heijden, Lizz  
Speaker: Van Der Heijden, Lizz (Netherlands)

Long term clinical success of CT guided radiofrequency ablation of osteoid osteoma and osteoblastoma

Authors: Rehnitz, Christoph / Egermann, Marcus / Weber, MarcAndre / Lehner, Burkhard / Depeweg, Daniela  
Speaker: Lehner, Burkhard (Germany)

Soft chondroma in sinus tarsus, case report

Authors: Panadero-Moncusí, Manel / Casellas-García, Gemma / Bianco, Daniel / Llauradó, Marta / Masferrer, Angel / Ramos, Luis / Hernández-Hermoso, José Antonio  
Speaker: Panadero-Moncusí, Manel (Spain)

Scar sarcoidosis mimicking a rapidly growing soft tissue tumour

Authors: Harges, Jendrik / Gosheger, Georg / Streitbürger, Arne / Guder, Wiebke / Henrichs, Marcel-Philipp / König, Christoph  
Speaker: König, Christoph (Germany)

Long follow up of the intralesional embolization with sclerosant agent for treatment of the aneurismal bone cyst

Authors: Gomes, André / Torres, Luiz / Sanches, Diego / Oliveira, José Renato / De Moura, Marcio  
Speaker: De Moura, Marcio (Brazil)

Clinical significance of peritumoral fat signal on MRI to separate benign from malignant soft tissue tumor

Authors: Murahashi, Yasutaka / Kaya, Mitsunori / Soma, Tamotsu / Sasaki, Mikito / Nagoya, Satoshi / Wada, Takuro / Yamashita, Toshihiko / Emori, Makoto / Mizushima, Emi  
Speaker: Murahashi, Yasutaka (Japan)

**Knee osseous**

INSTRUCTIONAL  
LECTURE

**INDICATIONS FOR KNEE ARTHROPLASTY**

Room: Hall 7

Moderator: Toksvig-Larsen, Søren (Sweden)

Speaker: Böhler, Nikolaus (Austria)

**Bone & joint tumours**

INSTRUCTIONAL  
LECTURE

**THE MULTI-MODAL APPROACH TO METASTATIC DISEASE**

Room: Hall 9

Moderator: Harges, Jendrik (Germany)

Speaker: Laitinen, Minna (Finland)



08:00 – 09:00

Sports/knee soft-tissue

FREE PAPER

KNEE AND SPORTS TRAUMA I

Room: Hall 10

Moderators: Dejour, David (France), Cobb, Justin (United Kingdom)

An evolutionary perspective of the patellofemoral joint over 400 million years

Authors: Monk, Andrew / Vollrath, Fritz / Gibbons, Max / Beard, David / Gill, Harinderjit / Murray, David

Speaker: Monk, Andrew (United Kingdom)

Medial patellofemoral ligament reconstruction – prospective outcome assessment of a large single centre series

Authors: Barnett, Andrew / Ansari, Aneel / Ahearn, Nathaneal / Eldridge, Jonathan / Howells, Nick

Speaker: Howells, Nick (United Kingdom)

Tunnel positioning analysis post medial patellofemoral ligament reconstruction.

Correlation with clinical outcomes

Authors: Barnett, Andrew / Eldridge, Jonathan / Howells, Nick

Speaker: Howells, Nick (United Kingdom)

Structural properties of 5 different fixation strategies in MPFL reconstruction

Authors: Lenschow, Simon / Gestring, Jens / Schliemann, Benedikt / Schroeglmann, Mike / Raschke, Michael / Zantop, Thore

Speaker: Lenschow, Simon (Germany)

Profile of bilateral anterior cruciate ligament ruptures

Authors: Figueroa, David / Vaisman, Alex / Leon, Agustin / Oliver, Nicolás / Calvo, Rafael / Mococain, Pablo

Speaker: Calvo, Rafael (Chile)

The function of the two bundles of the posterior cruciate ligament – an in-vivo study using dynamic stereo X-ray system (DSX)

Authors: Hensler, Daniel / Musahl, Volker / Illingworth, Kenneth / Thorhauer, Eric / Tashman, Scott

Speaker: Hensler, Daniel (Germany)

General Orthopaedics / complications / basic science / technology

FREE PAPER

DEEP VEIN THROMBOSIS PROPHYLAXIS IN LOWER LIMB TRAUMA AND JOINT REPLACEMENT

Room: Sydney

Moderators: Lauritzen, Jes Bruun (Denmark), Jäger, Marcus (Germany)

Direct thrombin inhibitor vs. Aspirin in primary total hip and knee replacement using wound ooze as the primary outcome measure

Authors: Aquilina, Alexander / Sullivan, Niall / Blom, Ashley / Whitehouse, Michael / Brunton, Luke

Speaker: Brunton, Luke (United Kingdom)

A review of chemical thromboprophylaxis in hip fracture patients

Authors: Gbejuade, Herbert / Kamali, Hajeb / Murray, James

Speaker: Gbejuade, Herbert (United Kingdom)

Rivaroxiban vs enoxaparin: Short-term outcome of 1004 patients undergoing lower limb arthroplasty enrolled in an enhanced recovery programme

Authors: Buddhdev, Pranai / Basu, Debashis / Davies, Neil / Waters, Tim

Speaker: Buddhdev, Pranai (United Kingdom)

Selected within the best Free Papers

The effect of Rivaroxaban on human female osteoblastic cell line SaSO2

Authors: Katzburg, Sarah / Salai, Moshe / Stern, Naftali / Somjen, Dalia / Dolkart, Oleg / Gigi, Roy

Speaker: Gigi, Roy (Israel)

Safety and efficacy of dabigatran as thromboprophylaxis following total hip and knee replacements

Authors: Raman, Raghu / Shaw, Christopher / Muthukumar, Nagarajan / Sivasankaran, Karthik Shankar / Sharma, Hemant / Johnson, Geoffrey / Gopal, Shiva

Speaker: Raman, Raghu (United Kingdom)

Symptomatic venous thromboembolism in out patients immobilised in lower limb plaster cast

Authors: Chakravarty, Debashish / Herlekar, Deepak / Kuruvali, Renuka Reddy / Hirehal, Kiran Kumar

Speaker: Kuruvali, Renuka Reddy (United Kingdom)



Compliance, bleeding and wound complications following a modified rivaroxaban thrombophylaxis regimen for hip and knee arthroplasty compared to conventional inpatient enoxaparin, a non-randomised controlled trial  
 Authors: Dicker, Patrick / Amin, Amin / Kowlessur, Steven / O'Byrne, John  
 Speaker: Amin, Amin (Ireland)

**Shoulder/elbow, arm/forearm**

FREE PAPER

**SHOULDER INSTABILITY I**

Room: Madrid

Moderators: Sanderhoff-Olsen, Bo (Denmark), Gerhardt, Christian (Germany)

A systematic review of the outcomes following arthroscopic "Remplissage" for shoulder instability  
 Authors: Butt, Usman / Charalambous, Charalambos / Rashid, Mustafa  
 Speaker: Rashid, Mustafa (United Kingdom)

Significant Hill Sachs defect in shoulder instability surgery. Evaluation of redislocation in two reparation techniques

Authors: Toro, Felipe / Villalon, Ignacio / Moraga, Claudio / Pozo, Rene / Ruiz, Francisco / Ormeño, Beatriz  
 Speaker: Villalon, Ignacio (Chile)

Complications of open coracoid transfer procedures for shoulder instability – a systematic review

Authors: Charalambous, Charalambos / Butt, Usman / Hassan, Syed / Rashid, Mustafa  
 Speaker: Hassan, Syed (United Kingdom)

3D assessment of glenoid and humeral head bone loss in recurrent anterior shoulder instability

Authors: Dempster, Niall / Cowie, Jonathan / Robinson, Christopher / Mackenzie, Samuel  
 Speaker: Mackenzie, Samuel (United Kingdom)

The management of the anterior shoulder dislocation based on the clinical survey

Authors: Wu, Xiaoming / Gao, Wei / Li, Fan / Sang, Weilin / Wang, Qiugen  
 Speaker: Wu, Xiaoming (China)

Histopathological evaluation of passive stabilizers of the shoulder

Authors: Pauly, Stephan / Haas, Norbert / Greiner, Stefan / Scheibel, Markus / Perka, Carsten  
 Speaker: Pauly, Stephan (Germany)

**Hip**

FREE PAPER

**RESURFACING I**

Room: Istanbul

Moderators: Field, Richard (United Kingdom), Günther, Klaus-Peter (Germany)

Clinical findings of patients with ASR hip replacement diagnosed with pseudotumour

Authors: Reito, Alekski / Pajamäki, Jorma / Puolakka, Timo / Eskelinen, Antti  
 Speaker: Reito, Alekski (Finland)

Minimum 10 year follow up of the Birmingham Hip Resurfacing – an independent series

Authors: Van der Straeten, Catherine / Calistri, Alessandro / Gill, Harinderjit / De Roest, Bart / Van Quickenborne, Damien / Grammatopoulos, George / De Smet, Koen  
 Speaker: Van Der Straeten, Catherine (United Kingdom)

The use of whole blood metal ions to predict failure of hip resurfacing

Authors: Al-Hadithi, Maan / Ashcroft, Andy / August, Adrian / Porteous, Mathew / Loizou, Constantinos  
 Speaker: Loizou, Constantinos (United Kingdom)

BMD changes in the acetabulum, femoral neck and proximal femur following total and resurfacing hip arthroplasty. Two-year results from a RCT

Authors: Penny, Jeannette / Brixen, Kim / Varmarken, Jens-Erik / Ovesen, Ole / Overgaard, Søren  
 Speaker: Penny, Jeannette (Denmark)

Temporal changes in Chromium and Cobalt levels after hip resurfacing

Authors: Ravikumar, Raveena / Sawalha, Seif / Chowdhury, Emyr / Massraf, Araz  
 Speaker: Ravikumar, Raveena (United Kingdom)

Several complications of total hip arthroplasty – case report

Authors: Ferreira, Jose / Barbosa, Tiago / Ramalho, Frederic / Vitor, Caetano / Trigo, Helder / Vilela, Carlos / Lima, Fernando / Fernandes, Sofia  
 Speaker: Fernandes, Sofia (Portugal)

08:00 – 09:00

Spine

FREE PAPER

DEGENERATIVE CONDITIONS I

Room: Hongkong

Moderators: Consciencia, Guimaraes (Portugal), Kabir, Koroush (Germany)

Prognostic occupational factors for persistent low back pain

Authors: Elfering, Achim / Käser, Anja / Rolli Salathé, Cornelia / Fritschi, Lin / Melloh, Markus

Speaker: Melloh, Markus (Australia)

What is the key time point to predict the progression of a new episode of low back pain to the persistent state?

Authors: Elfering, Achim / Käser, Anja / Rolli Salathé, Cornelia / Fritschi, Lin / Stanton, Tasha / Melloh, Markus

Speaker: Melloh, Markus (Australia)

Comparison among posterolateral fusion (PLF), posterior lumbar interbody fusion (PLIF), and circumferential fusion (PLF+PLIF) for treating grade II-III spondylolisthesis of lumbar spine-Focus on surgical outcomes with minimum follow-up more than 5 years

Authors: Hsu, Chien Jen

Speaker: Hsu, Chien Jen (Taiwan, China)

Evaluation of the Core Outcome Measures Index as an instrument to evaluate the quality of life and disability of the patients affected by degenerative lumbar

Authors: Ramírez, Manuel / Saló, Guillem / Molina, Antoni / Lladó, Andreu / Puig, Lluís / Lozano, Carlos / Pérez Prieto, Daniel / Gil, Sergi

Speaker: Lozano, Carlos (Spain)

Full-endoscopic posterior foraminotomy for operation of cervical disc herniations – prospective comparison to ACDF

Authors: Komp, Martin

Speaker: Komp, Martin (Germany)

Course of recovery in patients with acute low back pain – does depression matter?

Authors: Elfering, Achim / Käser, Anja / Rolli Salathé, Cornelia / Fritschi, Lin / Stanton, Tasha / Melloh, Markus

Speaker: Melloh, Markus (Australia)

08:00 – 12:15

Trauma lower limb

EXMEX

ACETABULAR FRACTURES

Room: Hall 8

Moderator: Stöckle, Ulrich (Germany)

Radiologic evaluation and classification of acetabular fractures

Speaker: Gautier, Emmanuel (Switzerland)

Anterior approach: Indication, how I do it, results

Speaker: Siebenrock, Klaus (Switzerland)

Posterior approach: Indication, how I do it, results

Speaker: De Ridder, Victor (The Netherlands)

Is there an indication for minimal invasive acetabular surgery?

Speaker: Stöckle, Ulrich (Germany)

Acetabular fractures in the elderly: Osteosynthesis or prosthesis?

Speaker: Muñoz Vives, Josep Maria (Spain)

Is there a change in the outcome of acetabular fractures?

Speaker: Culemann, Ulf (Germany)

Late reconstruction of acetabular fractures

Speaker: Pohlemann, Tim (Germany)

09:15 – 10:15

Hip

FREE PAPER HIP: VARIOUS INCLUDING PELVIC OSTEOTOMY Room: Hall 4/5

Moderators: Ganz, Reinhold (Switzerland), Overgaard, Søren (Denmark)

Is there faster recovery after direct anterior than posterior approach total hip arthroplasty?

Authors: Rathod, Parthiv / Greiz, Michelle / Deshmane, Prashant / Hepinstall, Matthew / Ranawat, Amar /

Rodriguez, Jose / Deshmukh, Ajit

Speaker: Rathod, Parthiv (United States)

Primary total hip replacement utilizing a muscle sparing direct anterior approach has a long and clinical significant learning curve

Authors: Maansson, Lukas / Nordsletten, Lars / Snorrason, Finnur / Olsson, Marianne

Speaker: Maansson, Lukas (Norway)

Hip resurfacing for osteoarthritis secondary to Slipped Upper Femoral Epiphysis

Authors: Maheshwari, Rohit / O'Neill, Gavin / Patil, Sanjeev / Meek, Dominic

Speaker: O'Neill, Gavin (Australia)

Results of 39 dual mobility cups implanted for recurrent dislocation of conventional total hip replacement: A one-to-ten years follow-up study

Authors: Saragaglia, Dominique / Ruatti, Sébastien / Mercier, Numa / Rubens Duval, Brice

Speaker: Saragaglia, Dominique (France)

3D assessment of the femoral head coverage: Application to the rotated acetabular fragment in curved periacetabular osteotomy

Authors: Miyasaka, Dai / Ito, Tomoyuki / Minato, Izumi / Dohmae, Yoichiro / Endo, Naoto

Speaker: Miyasaka, Dai (Japan)

The Ganz Periacetabular Osteotomy. First seven years of experience

Authors: Cavaliere, Pietro / Cardenas Nylander, Carlomagno / Bellotti, Vittorio / Marin, Oliver / De Meo, Federico / Ribas, Manuel

Speaker: Ribas, Manuel (Spain)

The effect of local infiltration analgesia in the management of pain after periacetabular osteotomy: A randomized, placebo-controlled, double-blind clinical trial in 60 patients

Authors: Ovesen, Ole / Lindholm, Peter / Overgaard, Søren / Bech, Rune

Speaker: Bech, Rune (Denmark)

09:15 – 10:45

ESTES – European Society for Trauma and Emergency Surgery



Polytrauma/pelvis

SPECIALTY DIFFERENTIAL TREATMENT OF FEMUR FRACTURES

Room: Stockholm

SESSION Moderators: Marzi, Ingo (Germany), Rommens, Pol (Germany)

Treatment of the femur fracture in polytrauma patients

Speaker: Marzi, Ingo (Germany)

Advanced nailing of diaphysal femur fractures

Speaker: Jakob, Marcel (Switzerland)

09:15 - 10:45

Proximal femur fractures  
Speaker: Simmermacher, Rogier (The Netherlands)

Distal femur fractures  
Speaker: Rommens, Pol (Germany)

Pseudarthrosis of the femur  
Speaker: Bühren, Volker (Germany)

Indication and limit of the external fixation in femoral fractures  
Speaker: Catagni, Maurizio (Italy)

### Hip

**SYMPOSIUM BONE DEFECT RECONSTRUCTION IN HIP REVISION ARTHROPLASTY Room: Hall 3**  
Moderator: Wirtz, Dieter (Germany)

Impaction bone grafting - a method for all cases?  
Speaker: Howell, Jonathan (United Kingdom)

Metal augments - indications, limitations & complications  
Speaker: Tokgozoglul, Mazhar (Turkey)

Applicability of bone substitutes, BMP and bone marrow stroma cells  
Speaker: Zagra, Luigi (Italy)

"My algorithm" in acetabular and femoral bone defect reconstruction  
Speaker: Macheras, George (Greece)

### Knee osseous

**CCD OSTEOTOMIES IN SEVERE KNEE DEFORMITY Room: Hall 6**  
Moderator: Toksvig-Larsen, Søren (Sweden)

Speaker: Saleh, Michael (United Kingdom)

Speaker: Van Heerwaarden, Ronald (The Netherlands)

### Knee osseous

**SYMPOSIUM PRIMARY KNEE ARTHROPLASTY IN FRACTURES Room: Hall 7**  
Moderator: Gamulin, Axel (Switzerland)

Indications for total knee arthroplasty in fractures  
Speaker: Saragaglia, Dominique (France)

Technique and results of TKA in distal femoral fractures  
Speaker: Robinson, Christopher (United Kingdom)

Technique of TKA in proximal tibial fractures  
Speaker: Christofilopoulos, Panayiotis (Switzerland)

Results of TKA in proximal tibial fractures  
Speaker: Weber, Oliver (Germany)

### General Orthopaedics / complications / basic science / technology

**SYMPOSIUM BONE SUBSTITUTES Room: Hall 9**  
Moderator: Bégué, Thierry (France)

Bone substitutes in revision hip arthroplasty : Choices criteria, porosity, and evaluation of clinical results  
Speaker: Salo, Jari (Finland)

09:15 – 10:45

Bone substitutes in post-traumatic situations : What type of product and why ? Criteria of choice, porosity, and evaluation of results

Speaker: Schmidmaier, Gerhard (Germany)

BMP and DBM in traumatic and non-traumatic reconstruction of bone defects : Advantages and pitfalls vs CaP or HA

Speaker: Calori, Giorgio Maria (Italy)

The Induced Membrane Technique. What did we learn from clinical experience in bone substitutes management

Speaker: Bègué, Thierry (France)

### Sports/knee soft-tissue

SYMPOSIUM

PATELLOFEMORAL PAIN: A GLOBAL APPROACH

Room: Hall 10

Moderator: Dejour, David (France)

Where does the patellofemoral pain come from?

Speaker: Sanchis Alfonso, Vincente (Spain)

What is a patellar painful syndrome? What is patellofemoral arthritis?

Speaker: Sillanpää, Petri (Finland)

Morphology and mechanics related to patellofemoral pain

Speaker: Cobb, Justin (United Kingdom)

Patellar painful syndrome in adolescent related to anatomical abnormalities and muscle stiffness

Speaker: Lippacher, Sabine (Germany)

## EWMA – European Wound Management Association



### General Orthopaedics / complications / basic science / technology

SPECIALTY  
SESSION

ORTHOPAEDICS IN WOUNDS – A MULTIDISCIPLINARY APPROACH

Room: Sydney

Moderator: Bale, Sue (United Kingdom)

Foot surgery in treating the diabetic foot

Speaker: Bale, Sue (United Kingdom)

Surgical options for the management of the Charcot's foot

Speaker: Matricali, Giovanni (Belgium)

The orthopaedics in wounds

Speaker: Kirketerp-Møller, Klaus (Denmark)

Team working in orthopaedic wound care: The role of nurses

Speaker: Bale, Sue (United Kingdom)

### Osteoporosis

SYMPOSIUM

EFORT-EULAR SYMPOSIUM: RECOMMENDATIONS ON TREATMENT OF THE PATIENT WITH FRAGILITY FRACTURES

Room: Madrid

Moderators: Puhl, Wolfhart (Germany), Dreinhöfer, Karsten (Germany), Lems, Willem (Netherlands)

European Musculoskeletal Health Alliance – a collaboration between EFORT and EULAR

From the viewpoint of EFORT

Speaker: Hoffmeyer, Pierre (Switzerland)

From the viewpoint of EULAR

Speaker: Burmester, Gerd-Rüdiger (Germany)

Discussion

09:15 – 10:45

**EFORT–EULAR recommendations on treatment of the patient with fragility fractures**

Burden of disease and treatment reality in Europe

Speaker: Woolf, Anthony (UK)

What diagnostic and therapeutic measures are necessary in a patient 50 years and over with a fracture?

Speaker: Lems, Willem (Netherlands)

What is the evidence of the recommended treatment options for hip, radius and vertebral fracture

Speaker: Dreinhöfer, Karsten (Germany)

Is a Fracture Liaison Service model the most reliable mechanism for delivering secondary prevention during the long term follow up?

Speaker: Åkesson, Kristina (Sweden)

**Paediatrics**

**SYMPOSIUM**

**ADOLESCENT AVASCULAR NECROSIS**

Room: Istanbul

Moderator: Krauspe, Rüdiger (Germany)

Introduction

Speaker: Krauspe, Rüdiger (Germany)

Bone marrow edema & early stage AVN: The role of non-operative management

Speaker: Jäger, Marcus (Germany)

The role of joint preserving surgery including cellular therapy application

Speaker: Hernigou, Philippe (France)

The role of THR in AVN in adolescents & young adults

Speaker: Haddad, Fares (United Kingdom)

**ESB – European Society of Biomaterials**



**General Orthopaedics / complications / basic science / technology**

**SPECIALTY  
SESSION**

**ARTIFICIAL NERVE-GUIDES IN PERIPHERAL NERVE TRAUMA**

Room: Hongkong

Moderator: Ambrosio, Luigi (Italy)

Flexible and elastic resorbable polymers for biomedical applications

Speaker: Grijpma, Dirk (The Netherlands)

Clinical results of collagen-based artificial nerve-guides in peripheral nerve trauma

Speaker: Merolli, Antonio (Italy)

11:15 – 12:15

**Trauma lower limb**

**INSTRUCTIONAL  
LECTURE**

**PROXIMAL FEMORAL FRACTURES**

Room: Stockholm

Moderator: Südkamp, Norbert (Germany)

Speaker: Moran, Christopher (United Kingdom)

**Hip**

**INSTRUCTIONAL  
LECTURE**

**NAVIGATION AND HIP SURGERY**

Room: Hall 3

Moderator: Howell, Jonathan (United Kingdom)

Speaker: Merloz, Philippe (France)

11:15 - 12:15

**Trauma lower limb**

FREE PAPER

EXPERIMENTAL & MISCELLANEOUS II

Room: Hall 4/5

Moderators: Ríos, Antonio (Spain), Pape, Hans-Christoph (Germany)

Cerclage wires: Do they lead to non or delayed union in femoral shaft fractures? A case series

Authors: Ireson, Timothy / Scanlon, Claire / Marsh, Alastair / Clare, Thomas / Heaver, Catriona

Speaker: Heaver, Catriona (United Kingdom)

Case study. Management of delayed presentation of chronic hypertrophic ischial tuberosity non-union

Authors: Chitre, Amol / Naikoti, Kiran / Shah, Nikhil / Board, Timothy

Speaker: Chitre, Amol (United Kingdom)

Pre-operative templating in Trauma and the influence of the operating surgeon performing the templating

Authors: Patel, Amit / Jain, Neil / Dwyer, Jonathan

Speaker: Patel, Amit (United Kingdom)

Refixation of osteochondral fracture fragments – clinical results in an in-vivo ovine femoral condyle model

Authors: Neumann, Hanjo / Gille, Justus / Vahjen, Bjoern / Buescher, Robin / Juergens, Christian /

Schulz, Arndt Peter / Kienast, Benjamin

Speaker: Kienast, Benjamin (Germany)

Analysis of renal dysfunction in orthopaedic patients

Authors: Petridis, Giorgos / Mavrolas, Dimitris / Papadakis, Stamatios / Maheras, Georgios / Drougkas, Thrasyvoulos /

Kateros, Konstantinos / Krithimos, Thomas

Speaker: Kateros, Konstantinos (Greece)

How induced hypothermie effects coagulation in a severe trauma model in pig

Authors: Witte, Ingo / Weuster, Matthias / Fröhlich, Matthias / Van Griensven, Martijn / Keibl, Claudia / Mommsen, Philipp /

Ruchholtz, Steffen / Hildebrand, Frank / Flohé, Sascha / Mohr, Juliane

Speaker: Mohr, Juliane (Germany)

**Osteoporosis**

CROSS-FIRE-  
DISCUSSION

OSTEOPOROTIC VERTEBRAL FRACTURES: VERTEBRO-/KYPHOPLASTY  
VS. CONSERVATIVE TREATMENT

Room: Hall 6

Moderator: Cáceres Palou, Enric (Spain)

Pro conservative treatment

Speaker: Fritzell, Peter (Sweden)

Pro vertebro-/kyphoplasty

Speaker: Blattert, Thomas (Germany)

**Knee osseous**

FREE PAPER

THROMBOEMBOLISM AND BLOOD MANAGEMENT

Room: Hall 7

Moderators: König, Dietmar (Germany), Forriol, Francisco (Spain)

Does the use of a pneumatic tourniquet contribute to the formation of deep venous thrombosis post total knee arthroplasty?

Authors: O'Donnell, Turlough / Neil, Michael / Abouazza, Omar

Speaker: Abouazza, Omar (Ireland)

Tranexamic acid did not affect the pharmaceutical prophylaxis for deep vein thrombosis after total knee arthroplasty

Authors: Cho, Kye-Youl / Kang, Dong-Geun / Kim, Kang-II / Bae, Dae-Kyung

Speaker: Kim, Kang-II (Korea, Republic Of)

Are the current thrombo-embolic prophylaxis guidelines applicable to unicompartamental knee arthroplasty?

Authors: Sarraf, Khaled / Willis-Owen, Charles / Martin, Alice / Martin, David

Speaker: Sarraf, Khaled (United Kingdom)

11:15 – 12:15

Clinically relevant peri-operative bleeding in primary arthroplast surgery is increased with oral Factor Xa Inhibitors

Authors: Highcock, Alan / Craghill, Edward  
Speaker: Highcock, Alan (United Kingdom)

Reducing blood loss in primary knee arthroplasty: A prospective randomized controlled trial of 2 tranexamic acid infusion regimens

Authors: Hourlier, Hervé / Liné, Bernard / Fennema, Peter  
Speaker: Hourlier, Hervé (France)

Lower tourniquet cuff pressure reduces postoperative wound complications after a total knee arthroplasty

Authors: Olivecrona, Charlotta / Ponzer, Sari / Hamberg, Per / Blomfeldt, Richard  
Speaker: Olivecrona, Charlotta (Sweden)

### Bone & joint tumours

**INSTRUCTIONAL LECTURE** HOW TO MANAGE OSTEOLYTIC LESIONS – DIAGNOSIS AND TREATMENT

Room: Hall 9

Moderator: Laitinen, Minna (Finland)

Speaker: Harges, Jendrik (Germany)

### Sports/knee soft-tissue

**FREE PAPER** KNEE AND SPORTS TRAUMA II

Room: Hall 10

Moderators: Engebretsen, Lars (Norway), Verdonk, René (Belgium)

Arthroscopic single tibial tunnel meniscal allograft transplantation without bone plugs. A 3-year minimum follow-up study

Authors: Marcheggiani Muccioli, Giulio Maria / Zaffagnini, Stefano / Grassi, Alberto / Bonanzinga, Tommaso / Nitri, Marco / Rimondi, Eugenio / Busacca, Maurizio / Scarale, Antonio / Marcacci, Maurizio  
Speaker: Marcheggiani Muccioli, Giulio Maria (Italy)

Composite growth-factor-bioreactor synergism for human stem cell Chondrogenesis

Authors: Petrou, Marios / Bernstein, Anke / Niemeyer, Philip / Mayr, Hermann / Grad, Sybille / Stoddart, Martin / Alini, Mauro / Südkamp, Norbert / Salzmann, Gian  
Speaker: Salzmann, Gian (Germany)

Isolated ankle syndesmosis injuries in elite professional footballers: Mechanism (using video analysis), investigations and treatment

Authors: Jain, Neil / Kemp, Steve / Calder, James / Murray, David  
Speaker: Murray, David (United Kingdom)

Jumper's knee. Prevalence in volleyball professional athletes and correlation with anthropometric characteristics

Authors: Duarte, Filipe / Sousa, Antonio / Raposo, Frederico / Valente, Luis / Gonçalves, Antonio / Pinto, Rui / Rodrigues, André / Freitas, Joana / Vidinha, Vitor  
Speaker: Duarte, Filipe (Portugal)

Pulsed electromagnetic field therapy reduces delayed onset muscle soreness in marathon runners. A double-blind randomized placebo-controlled study

Authors: Rasmussen, Christina / Knudsen, Camilla / Jørgensen, Martin / Olesen, Jens / Khalid, Vesal / Rasmussen, Sten  
Speaker: Rasmussen, Sten (Denmark)

### Hip

**FREE PAPER** OUTCOME OF TOTAL HIP ARTHROPLASTY AND HIP ARTHROSCOPY

Room: Sydney

Moderators: Kjærsgaard-Andersen, Per (Denmark), Binazzi, Roberto (Italy)

Does the anterolateral mini-invasive total hip arthroplasty have clinical advantage over classical lateral approach on the functional recovery? A randomized, prospective study

Authors: Rakovac, Ivan / Prpic, Tomislav / Gulan, Gordan / Sestan, Branko / Santic, Veljko / Legovic, Dalen / Ruzic, Lana / Vuckovic, Mirela / Mihelic, Radovan / Madjarevic, Tomislav / Tudor, Anton  
Speaker: Madjarevic, Tomislav (Croatia)



Which muscle sparing MIS approach is better DAA or Antero-lateral approach in total hip arthroplasty?  
Prospective randomized control trial

Authors: Ikebuchi, Mitsuhide / Yoshida, Taku / Minoda, Yukihide / Maki, Atsutoshi / Nakamura, Hiroaki / Iwaki, Hiroyoshi  
Speaker: Iwaki, Hiroyoshi (Japan)

Accuracy of computer aided pinless leg length and offset measurements in total hip arthroplasty

Authors: Woerner, Michael / Sendtner, Ernst / Springorum, Hans-Robert / Renkawitz, Tobias / Grifka, Joachim / Poitzsch, Luise / Gneiting, Sabine / Schubert, Mario / Haimerl, Martin  
Speaker: Woerner, Michael (Germany)

A postoperative haemoglobin level less than 100 g/L does not increase the risk for unplanned readmission the first 90 days after primary total hip replacement

Authors: Månsson, Lukas / Olsson, Marianne / Hansen, Knut Egill  
Speaker: Hansen, Knut Egill (Norway)

Can we prevent hip arthroscopy complications?

Authors: Santori, Nicola / Bertino, Antonio / Potestio, Domenico  
Speaker: Santori, Nicola (Italy)

Simulated hip arthroscopy skills: A randomised trial of learning curves in the lateral and supine positions

Authors: Pollard, Thomas / Price, Andrew / Gill, Harinderjit / Glyn-Jones, Sion / Rees, Jonathan / Khan, Tanvir / Alvand, Abtin  
Speaker: Khan, Tanvir (United Kingdom)

### Shoulder/elbow, arm/forearm

FREE PAPER

SHOULDER INSTABILITY II

Room: Madrid

Moderators: Sanderhoff-Olsen, Bo (Denmark), Gerhardt, Christian (Germany)

CT-based computerized planning method for shape reconstruction of severe glenoid defects

Authors: Eraly, Koen / Debeer, Philippe / Jonckers, Ilse / Vander Sloten, Jos  
Speaker: Eraly, Koen (Belgium)

Computerized tomographic assessment and clinical evaluation in shoulder instability treated with the Latarjet-Patte procedure

Authors: Ciccarelli, Michele / Cautiero, Fabio / Russo, Raffaele  
Speaker: Cautiero, Fabio (Italy)

Nonoperative management of stiff shoulder: Comparison among non-diabetic, diabetic, and post-traumatic patients

Authors: Ando, Akira / Sugaya, Hiroyuki / Takahashi, Norimasa / Kawai, Nobuaki / Hagiwara, Yoshihiro / Itoi, Eiji  
Speaker: Ando, Akira (Japan)

Chronic calcifying tendinitis of the shoulder - outcome 6 years after arthroscopic treatment

Authors: Bielefeld, Rebecca / Gosheger, Georg / Schmidt, Carolin / Dedy, Nicolas / Balke, Maurice / Liem, Dennis  
Speaker: Liem, Dennis (Germany)

Selected within the best Free Papers

Arthroscopic biological resurfacing of the glenoid in young and active patients with glenohumeral osteoarthritis  
A randomized controlled trial comparing to arthroscopic debridement

Authors: Van der Straeten, Catherine / Huijsmans, Polydoor  
Speaker: Van der Straeten, Catherine (Belgium)

Pathogenesis of capsules in idiopathic frozen shoulders

Authors: Ando, Akira / Onoda, Yoshiro / Minowa, Takashi / Hanagata, Nobutaka / Tsuchiya, Masahiro / Sugaya, Hiroyuki / Saijo, Yoshifumi / Itoi, Eiji / Hagiwara, Yoshihiro  
Speaker: Hagiwara, Yoshihiro (Japan)

### Hip

FREE PAPER

RESURFACING II

Room: Istanbul

Moderators: Böhler, Nikolaus (Austria), Hendrich, Christian (Germany)

What are safe upper limits in well functioning resurfaced hips?

Authors: De Smet, Koen / Gill, Harinderjit / Grammatopoulos, George / Van Der Straeten, Catherine  
Speaker: Van Der Straeten, Catherine (United Kingdom)

11:15 – 12:15

Prospective study of two different bearings (MoM & MoP) using the S-ROM stem

Authors: Ramisetty, Naren / Alshryda, Sattar / Tulloch, Chris / Logishetty, R / Sidaginamale, Raghavendra / Mereddy, Praveen / Langton, David / Sarda, Praveen / Nargol, Antoni  
Speaker: Nargol, Antoni (United Kingdom)

Why don't all malpositioned resurfaced cups have high wear? – a dynamic, gait lab study

Authors: Grammatopoulos, George / Mellon, Stephen / Gill, Harinderjit / Andersen, Michael / Murray, David  
Speaker: Gill, Harinderjit (United Kingdom)

Revision rate of Birmingham hip resurfacing arthroplasty. Comparison of published literature versus register data

Authors: Schuh, Reinhard / Neumann, Daniel / Rauf, Rauend / Hofstaetter, Jochen / Böhler, Nikolaus / Labek, Gerold  
Speaker: Schuh, Reinhard (Austria)

The clinical fate of three various bearings (UHMWPE vs. CoC vs. Highly-Crossed PE) in terms of wear, adverse effects, lytic reactions and revision burden, based upon three prospective studies of 3330 primary hip replacements at 24-yr maxFU

Authors: Epinette, Jean-Alain  
Speaker: Epinette, Jean-Alain (France)

Pseudotumour following Metal-on-Metal hip arthroplasty: Solid vs. cystic

Authors: Pandit, Hemant / Murray, David / Glyn-Jones, Sion / Mehmood, Shahid  
Speaker: Mehmood, Shahid (United Kingdom)

## Spine

FREE PAPER

DEGENERATIVE CONDITIONS II

Room: Hongkong

Moderators: Fokter, Samo (Slovenia), Kabir, Koroush (Germany)

The influence of age on outcome after surgical decompression of degenerative lumbar spinal stenosis

Authors: Eysel, Peer / Roeder, Chris / Aghayev, Emin / Sobottke, Rolf  
Speaker: Sobottke, Rolf (Germany)

Predictors of work absenteeism in patients with a new episode of low back pain

Authors: Elfering, Achim / Rolli Salathé, Cornelia / Käser, Anja / Fritschi, Lin / Melloh, Markus  
Speaker: Melloh, Markus (Australia)

Depressive disorder screen is a poor predictor of the outcome of epidural injection in the chronic back pain

Authors: Rambani, Rohit / Rudol, greg / Okafor, Ben  
Speaker: Rambani, Rohit (United Kingdom)

Adult scoliosis surgery: Correlation of radiographic and clinical results

Authors: Gomez-Rice, Alejandro / Sanchez-Mariscal, Felisa / Izquierdo, Enrique / Pizones, Javier / Zuñiga, Lorenzo / Alvarez, Patricia  
Speaker: Gomez-Rice, Alejandro (Spain)

Anterior lumbar interbody fusion (ALIF) and transforaminal lumbar interbody fusion (TLIF) for isthmic and degenerative spondylolisthesis. A 2-year follow-up of 86 patients

Authors: Hejlesen, Josefine / Mogensen, Ninna / Pedersen, Mette / Kaspersen, Jon / Eiskjaer, Søren / Rasmussen, Sten  
Speaker: Rasmussen, Sten (Denmark)

Clinical outcomes of lumbar surgery in patients over sixty-five

Authors: Pérez Prieto, Daniel / Ramírez, Manuel / Lozano, Carlos / Molina, Antoni / Saló, Guillem / Puig, Lluís  
Speaker: Pérez Prieto, Daniel (Spain)

12:15 – 12:45

HONORARY  
LECTURE

ERWIN MORSCHER HONORARY LECTURE

Room: Hall 3

Moderator: Hoffmeyer, Pierre (Switzerland)

Anatomic reconstruction of the hip with SCFE justified by pathophysiological findings

Speaker: Ganz, Reinhold (Switzerland)

## Limacorporate S.p.A



INDUSTRY SYMPOSIUM	PRIMARY PATIENT SPECIFIC MANAGEMENT HOW DIFFERENT HIPS NEED THEIR OWN MATCHING PHILOSOPHY Moderators: Benazzo, Francesco (Italy), Ascherl, Rudolf (Germany)	Room: Stockholm
	What is Patient Specific Management (PSM)? Why is it so relevant? Speaker: Singh, Parminder J. (Australia)	
	Short stems for young and active patients: The future primary gold standard? Speaker: Krieger, Manfred (Germany)	
	How to manage changes to the pre-operative planning intra-operatively? Speaker: Felicissimo, Paulo (Portugal)	
	Could the Wagner philosophy fit with the desired bone remodelling in complex anatomies and different Canal Flare Index (CFI)? Speaker: Iwaki, Hiroyoshi (Japan)	
	Primary Acetabular Cups: Which philosophy for whom and for when? Speaker: Zagra, Luigi (Italy)	

## Biomet



INDUSTRY SYMPOSIUM	CONTEMPORARY TREATMENT OF COMPLEX ARTHROPLASTY	Room: Hall 9
	Innovation developments in the revision hips and knees arthroplasty with Vanguard 360 Knee and Arcos system Speaker: Donaldson, Thomas (United States)	
	Patient matched implants, the solution for unmet surgical needs Speaker: Kurth, Andreas (Germany)	
	Therapeutic algorithms in periprosthetic joint infections: Role of antibiotic spaces Speaker: Kienapfel, Heino (Germany)	

## Synthes GmbH



INDUSTRY SYMPOSIUM	INNOVATIONS IN INTRAMEDULLARY NAILING Moderator: Blauth, Michael (Austria)	Room: Hall 4/5
	Enhanced fixation of osteoporotic proximal femur fractures: PFNA augmentation Speaker: Blauth, Michael (Austria)	
	MultiLoc PHN - the new generation proximal humerus nail Speaker: Hessmann, Martin (Germany)	
	Expert Tibial Nail PROtect - the first antibiotic-coated tibial nail: Development and clinical experience Speaker: Schmidmaier, Gerhard (Germany)	

## Mathys Ltd Bettlach



INDUSTRY SYMPOSIUM	CLINICAL SUCCESS WITH MATHYS INNOVATIONS Moderator: Siebert, Werner (Germany)	Room: Hall 7
	2 year clinical experience with RM Pressfit vitamys® Cup Speaker: De Gast, Arthur (The Netherlands)	
	Does vitamin E really make a difference? Speaker: Delfosse, Daniel (Switzerland)	
	Optimys® Short Stem – first clinical experience Speaker: Siebert, Werner (Germany)	
	Design evaluation of the optimys® Short Stem Speaker: Hühle, Philipp (Germany)	

## Bayer HealthCare



INDUSTRY SYMPOSIUM	TRANSFORMING THROMBOPROPHYLAXIS: THE TRANSITION OF RIVAROXABAN FROM CONCEPT TO CLINIC – A DISCUSSION Moderators: Turpie, Alexander (Canada), Mouret, Patrick (Germany)	Room: Hall 3
	Welcome and introduction Speaker: Turpie, Alexander (Canada)	
	Summary of the RECORD clinical programme, XAMOS non-interventional study and ORTHOTEP registry Expert panel chaired by Patrick Mouret (Germany)	
	Answering important questions: Results from RECORD, XAMOS and ORTHOTEP Expert panel chaired by Patrick Mouret (Germany)	
	Practical Q&A session: Key questions regarding the use of Rivaroxaban Expert panel chaired by Alexander Turpie (Canada)	
	Summary and close Speakers: Mouret, Patrick (Germany) / Turpie, Alexander (Canada)	

## Smith & Nephew Orthopaedics AG



INDUSTRY SYMPOSIUM	SMF & VERILAST – THE STEP BEYOND STANDARD HIP REPLACEMENT Moderator: Falez, Francesco (Italy)	Room: Hall 10
	Speaker: Biggi, Francesco (Italy)	
	Speaker: Davis, Edward Thomas (United Kingdom)	
	Speaker: Falez, Francesco (Italy)	
	Speaker: Haaker, Rolf (Germany)	
	Speaker: Hess, Thomas (Germany)	

Thursday  
24 May

12:45 - 14:15

## Stryker SA

**stryker**<sup>®</sup>

INDUSTRY SYMPOSIUM	MANAGING THE MODERN PATIENT THA	Room: Sydney
	Moderator: Cherubino, Paolo (Italy)	
	Welcome and opening remarks Speaker: Cherubino, Paolo (Italy)	
	Demographic and morphologic changes in the patient population / New tools for implant development - SOMA Speaker: Cherubino, Paolo (Italy)	
	Expectations of today's patient: Are we meeting them? Recreating the anatomy - cemented THA Speaker: Timperley, John (United Kingdom)	
	Addressing joint stability in THA: Mobile bearing in the hip. Clinical results of highly cross-linked annealed polyethylene Speaker: Epinette, Jean-Alain (France)	

## Biomet Europe

**BIOMET**<sup>™</sup>

INDUSTRY SYMPOSIUM	STATUS & FUTURE OF RAPID RECOVERY THA & TKA	Room: Madrid
	Moderator: Kehlet, Henrik (Denmark)	
	What can you achieve and how do you get there Speaker: Houlihan-Burne, David (United Kingdom)	
	Expanding to bi-laterals and revisions Speaker: Husted, Henrik (Denmark)	
	The future of rapid recovery for THA & TKA Speaker: Kehlet, Henrik (Denmark)	

## Pfizer LTD

**Pfizer**

INDUSTRY SYMPOSIUM	HANDS ACROSS TIME: PAST, PRESENT AND FUTURE IN DUPUYTREN'S CONTRACTURE	Room: Istanbul
	Moderator: Dudley, Antonio (Spain)	
	Welcome and introduction Speaker: Dudley, Antonio (Spain)	
	The Dupuytren's contracture story and the current treatment paradigm Speaker: Hayton, Mike (United Kingdom)	
	Treatment satisfaction in Europe – doctor and patient perspectives Speaker: Witthaut, Jörg (Germany)	
	The collagenase journey: MOA, efficacy, safety and recurrence Speaker: Haga, Bjørn Tore Salve (Norway)	
	Questions & Answers / Closing remarks Speaker: Dudley, Antonio (Spain)	

THURSDAY  
24 MAY

Thursday  
24 May

12:45 – 14:15

## Zimmer GmbH



**INDUSTRY SYMPOSIUM** HIP REVISION & TRAUMA: SOLUTIONS FOR FRACTURES OF THE PROXIMAL FEMUR Room: Hongkong  
Moderator: Cresser-Brown, John (United Kingdom)

Welcome and introduction  
Speaker: Cresser-Brown, John (United Kingdom)

Fix it! Fixation of proximal fractures  
Speaker: Ruchholtz, Steffen (Germany)

Reconstruct it! Reconstruction of femoral fractures  
Speaker: Grappiolo, Guido (Italy)

Reconstruct it! Acetabular reconstruction using Trabecular Metal™  
Speaker: Perka, Carsten (Germany)

Replace it! Segmental replacement of femur  
Speaker: Whitwell, Duncan (United Kingdom)

Discussion

14:00 – 18:00

### General education

**WORKSHOP** SPEAKER COACHING WORKSHOP Room: Koch  
Moderator: Cole, Angela

An opportunity for experienced speakers to reassess their oral presentation style and improve their impact on their audience.  
Registration required.

14:15 – 15:45



### General Orthopaedics / complications / basic science / technology

**SYMPOSIUM** INJURY PREVENTION Room: Stockholm  
Moderators: Lob, Günter (Germany), Siebert, Hartmut (Germany)

The trauma network of the German Trauma Society (DGU) – national and international regionalisation of the treatment of the severely injured  
Speaker: Ruchholtz, Steffen (Germany)

The United Nations in action: A decade dedicated to reduce RTIs 2011 – 2020  
Speaker: Joshipura, Manjul (Switzerland)

Road traffic accident prevention in Germany: A story of success?  
Speaker: Haasper, Carl (Germany)

Higher road traffic death toll in Germany 2011 – trend or outlier?  
Speaker: Schmucker, Uli (Germany)

The "Münster Bicyclists Study" – Impact on legislative measures?  
Speaker: Juhra, Christian (Germany)

Exhibitions – a tool for child injury prevention. Models and experiences made by Safe Kids Worldwide  
Speaker: Märzheuser, Stefanie (Germany)

THURSDAY  
24 MAY

14:15 – 15:45

General Orthopaedics / complications / basic science / technology

SYMPOSIUM SHORT-TERM EFFECTS OF NATIONAL ARTHROPLASTY REGISTERS Room: Hall 3

Moderators: Labek, Gerold (Austria), Böhler, Nikolaus (Austria)

Requirements for the development of an Arthroplasty Register and pitfalls in the interpretation of short-term register data  
Speaker: Labek, Gerold (Austria)

Implementation of new surgical techniques in arthroplasty  
Speaker: Necas, Libor (Slovakia)

Handling of inferior product issues by a National Register  
Speaker: Stoica, Christian (Romania)

Metal-on-Metal: Latest update of evaluations  
Speaker: Graves, Stephen (Australia)

Metal-on-Metal: Latest update of evaluations  
Speaker: Porter, Martyn (United Kingdom)

Impact of patient-related outcome scores on Arthroplasty Register evaluations  
Speaker: Devane, Peter (New Zealand)

Short-term findings and effects by the Norwegian Fracture Register  
Speaker: Engesaeter, Lars (Norway)

Outcome of short stems in Arthroplasty Register datasets  
Speaker: Zagra, Luigi (Italy)

Trauma lower limb

FREE PAPER NON-UNION/INFECTION Room: Hall 4/5

Moderators: Lavini, Franco (Italy), Schaser, Klaus-Dieter (Germany)

Postoperative deep wound infection in hip fracture surgery: Impact of change in antibiotic policy  
Authors: Hossain, Fahad / Ahmed, Iftikhar / Muthukumar, Nagarajan / Allgar, Victoria / Mohsen, Amr / Syed, Shuja / Khan, Muhammad  
Speaker: Khan, Muhammad (United Kingdom)

Tibial infected nonunions with bone and soft tissue loss. Revision of 112 cases treated with epidermato-fascial-osteoplasty according to Umiarov  
Authors: Maccabruni, Anna / Pedrotti, Luisella / Bertani, Barbara / Tuvo, Gabriella / Mora, Redento  
Speaker: Mora, Redento (Italy)

The effect of the fibula on interfragmentary motion in midshaft tibial fractures fixed with Intramedullary Nails – A Biomechanical Study  
Authors: Galbraith, John / Dailey, Hannah / Daly, Charles / Cronin, Mike / Harty, James  
Speaker: Galbraith, John (Ireland)

One step Reamer-Irrigator-Aspiration (RIA) treatment of Intramedullary Osteomyelitis- Midterm results  
Authors: Gudipati, Suribabu / Kanakaris, Nikolaos K / Harwood, Paul / Britten, Simon / Giannoudis, Peter  
Speaker: Gudipati, Suribabu (United Kingdom)

Specialised care outside a specialist centre: Compliance with BOAST 4 for open tibial fractures in a dual centred orthopaedic service  
Authors: Sloan, Sam / Lewis, Harry / Kealey, David / Mc Goldrick, Ciara  
Speaker: Mc Goldrick, Ciara (United Kingdom)

Use of a Interlocking nail with a long acting antibiotic releasing core in patients with high infection risk. Prospective study in 27 cases  
Authors: Craveiro-Lopes, Nuno / Escalda, Carolina  
Speaker: Craveiro-Lopes, Nuno (Portugal)

Pseudoarthrosis of tibial fracture treated with pth 1-84. A case report  
Authors: Etxebarria-Foronda, Iñigo / Esnal-Baza, Edorta  
Speaker: Etxebarria-Foronda, Iñigo (Spain)

14:15 – 15:45

Genetic variations among patients with long bone fractures and their association with the development of atrophic non-union: A preliminary analysis using a Genome-Wide Human SNP Array

Authors: Carr, Ian / Markham, Alexander / Giannoudis, Peter / Dimitriou, Rozalia  
Speaker: Dimitriou, Rozalia (United Kingdom)

Clinical observation on the vascularized greater trochanter bone graft combined free iliac flap and impaction bone grafting therapy for osteonecrosis of the femoral head

Authors: Zeng, Yi-rong / Fan, Yue-guang / Zeng, Jian-chun / He, Sheng / Li, Jie / Jian, Lin-yang  
Speaker: Zeng, Yi-rong (China)

### Bone & joint tumours

CCD DIFFERENTIAL DIAGNOSTIC ASPECTS OF MUSCULOSKELETAL TUMOURS Room: Hall 6

Moderator: Szendrői, Miklós (Hungary)

Management of suspicious cases  
Speaker: Krauspe, Rüdiger (Germany)

Unusual osteosarcomas  
Speaker: Grimer, Rob (United Kingdom)

When experts disagree  
Speaker: Windhager, Reinhard (Austria)

### Knee osseous

FREE PAPER UNICOMPARTIMENTAL KNEE ARTHROPLASTY Room: Hall 7

Moderators: Nelissen, Rob (The Netherlands), Siebert, Christian (Germany)

Tactile-guided unicompartmental knee arthroplasty: Clinical accuracy

Authors: Dunbar, Nicholas / Park, Brian / Branch, Sharon / Conditt, Michael / Banks, Scott / Roche, Martin / Jones, Jennifer  
Speaker: Roche, Martin (United States)

Accuracy of pre-operative planning robot assisted unicompartmental knee arthroplasty

Authors: Goddard, Maria / Lang, Jason / Conditt, Michael / Poehling, Gary / Jinnah, Riyaz / Jones, Jennifer  
Speaker: Jones, Jennifer (United States)

Navigation of the tibial plateau alone is sufficient in computer-assisted Uni Knee Arthroplasty. Results of 27 cases

Authors: Saragaglia, Dominique / Grimaldi, Mathieu / Rubens Duval, Brice / Plaweski, Stéphane  
Speaker: Saragaglia, Dominique (France)

Early results of the Oxford domed mobile bearing lateral unicompartmental arthroplasty

Authors: Altuntas, Altay / Alsop, Helen / Cobb, Justin  
Speaker: Altuntas, Altay (United Kingdom)

Radiologic mismatches in the end-stage lateral compartment knee osteoarthritis

Authors: Jung, Kwang-Am / Lee, Choon-Key / Hwang, Byoung-Yoon / Lee, Su-Chan  
Speaker: Lee, Su-Chan (Korea, Republic Of)

Ten year survival after unicompartmental knee arthroplasty

Authors: Bontemps, Gustav / Eysel, Peer / Stein, Gregor / Kugland, Karoline / Schlueter-Brust, Klaus  
Speaker: Schlueter-Brust, Klaus (Germany)

The Oxford unicompartmental knee arthroplasty: 88% – 94% 10 year survival in a 1085 patient non inventor series

Authors: Jones, Luke / Bottomley, Nicholas / Pandit, Hemant / Jackson, William / Beard, David / Price, Andrew  
Speaker: Jones, Luke (United Kingdom)

Bone loss during revision of unicompartmental to total knee arthroplasty: An analysis of implanted polyethylene thickness from the National Joint Registry (UK) data

Authors: Oussedik, Sam / Pastides, Philip / Somashekar, Naresh / Haddad, Fares / Sarraf, Khaled  
Speaker: Sarraf, Khaled (United Kingdom)

Health and activity-related quality of life after mobile and fixed bearing medial unicompartmental knee replacement

Authors: Biau, David / Masri, Bassam / Garbuz, Donald / Greidanus, Nelson  
Speaker: Biau, David (France)



14:15 – 15:45

**Knee osseous**

**SYMPOSIUM** **TOTAL KNEE ARTHROPLASTY IN CHINA AND EUROPE: CURRENT ISSUES** **Room: Hall 9**  
**Moderators: Puhl, Wolfhart (Germany), Wang, Yan (China)**

The evaluation of arthroscopy in unicondylar knee arthroplasty  
 Speaker: Liu, Yujie (China)

The painful non-loosened total knee arthroplasty: Reasons and treatment options  
 Speaker: Wagner Kristensen, Per (Denmark)

Solution for severe deformity: Endo-model rotating-hinge prosthesis  
 Speaker: Sun, Shui (China)

The rational of modularity in revision total knee arthroplasty  
 Speaker: Wirtz, Dieter (Germany)

**Infection**

**FREE PAPER** **DIAGNOSTIC AND TREATMENT PROCEDURE IN PROSTHESIS INFECTIONS I** **Room: Hall 10**  
**Moderators: Heppert, Volkmar (Germany), Borens, Olivier (Switzerland)**

Economic impact of infected total knee arthroplasty in the German DRG System  
 Authors: Skripitz, Christina / Mittelmeier, Wolfram / Haenle, Maximilian / Skripitz, Ralf  
 Speaker: Skripitz, Ralf (Germany)

Limitation of biofilm formation on titanium plate using fluorinated siloxane coating  
 Authors: Onayemi, Olufunso  
 Speaker: Onayemi, Olufunso (Ireland)

Selected within the best Free Papers

*Candida tropicalis*: An unusual prosthetic hip infection  
 Authors: Tasleem, Ali / O'Dowd-Booth, Chris / Carrington, Richard / Lidder, Surjit  
 Speaker: Lidder, Surjit (United Kingdom)

Surgical treatment of periprosthetic knee infection with *Candida Parapsilosis* including long term application of voriconazol and successful reconstruction with a silver coated megaprosthesis  
 Authors: Dedy, Nicolas / Gosheger, Georg / Daniilidis, Kiriakos / Dieckmann, Ralf / Höll, Steffen / Alt, Nils  
 Speaker: Alt, Nils (Germany)

Activity of tigecycline, gentamicin, fosfomycin and their combinations against ESBL-producing *Escherichia coli* in a experimental foreign-body infection model  
 Authors: Trampuž, Andrej / Corvec, Stéphane / Bétrisey, Bertrand / Borens, Olivier / Furustrand Tabin, Ulrika  
 Speaker: Trampuž, Andrej (Switzerland)

Bone toxicity and inhibition of bone healing by combination and high doses of antibiotics: An in vitro study  
 Authors: Pountos, Ippokratis / Georgouli, Theodora / Henshaw, Karen / Giannoudis, Peter  
 Speaker: Pountos, Ippokratis (United Kingdom)

Acute arthroplasty infection: Debridement vs antibiotics without surgery  
 Authors: Méndez, María / Peñalver, Pablo / Fole, Rubén / Vecino, Marta / Cordero-Ampuero, José  
 Speaker: Cordero-Ampuero, José (Spain)

Evaluation Of a risk factor adapted therapy algorithm in 147 patients with prosthetic joint infections  
 Authors: Gravius, Sascha / Wirtz, Dieter / Pagenstert, Geert / Wimmer, Matthias / Randau, Thomas  
 Speaker: Wimmer, Matthias (Germany)

Acute prosthetic joint infections: Outcomes and predictors of treatment failure with debridement and prosthesis retention  
 Authors: Jordan, Marcos / Benito, Natividad / Sandoval, Nancy / Sorlí Redo, María Luisa / Lightowler, María / Alíer Fabrego, Albert / Puig, Lluís / Horcajada Gallego, Juan Pablo / Celaya, Fernando / Sancho, Rogelio / Gurguí, Mercè / Monllau, Joan Carles  
 Speaker: Jordan, Marcos (Spain)

The implementation of sonication in the diagnosis of orthopaedic implant infection  
 Authors: Kocjancic, Boštjan / Lapoša, Andrej / Trampuž, Andrej / Dolinar, Drago  
 Speaker: Kocjancic, Boštjan (Slovenia)

14:15 – 15:45

General Orthopaedics / complications / basic science / technology

**FREE PAPER**    **HIP AND KNEE REPLACEMENT: IMPORTANT INFORMATION**    **Room: Sydney**  
**Moderators: Kärrholm, Johan (Sweden), Grützner, Paul Alfred (Germany)**

Geographical variations of hip and knee replacement surgery rates in Germany  
 Authors: Schäfer, Torsten / Jeszenszky, Csilla / Günther, Klaus-Peter / Niethard, Fritz  
 Speaker: Günther, Klaus-Peter (Germany)

A global review of National Arthroplasty Registers  
 Authors: Bennett, Philippa  
 Speaker: Bennett, Philippa (United Kingdom)

Association of psychological status and patient-reported physical outcome in joint arthroplasty  
 Authors: Giesinger, Karlmeirad / Behrend, Henrik / Giesinger, Johannes / Kuster, Markus  
 Speaker: Giesinger, Karlmeirad (Switzerland)

Patient Reported Outcome Measurements (PROMs) after Total Hip Replacement (THR) - the effect of telephone support and counseling  
 Authors: Søballe, Kjeld / Hordam, Britta  
 Speaker: Hordam, Britta (Denmark)

Enhanced recovery in hip and knee arthroplasty: The role of minimally invasive surgery  
 Authors: Lloyd, John / Wainwright, Thomas / Middleton, Robert  
 Speaker: Lloyd, John (United Kingdom)

Selected within the best Free Papers

Enhanced recovery pathways save lives  
 Authors: Lloyd, John / Starks, Ian / Wainwright, Thomas / Middleton, Robert  
 Speaker: Lloyd, John (United Kingdom)

Reasons for 30 day readmission rates following primary total hip and knee replacements  
 Authors: Coward, Jennifer / Martin, Helen / Ali, Muhammed / Kulkarni, Ashwin / Palan, Jeya  
 Speaker: Palan, Jeya (United Kingdom)

World Health Organisation (WHO) surgical safety checklist improves safety during elective orthopaedic surgery  
 Authors: Banerjee, Purnajyoti / Kidd, Alexander  
 Speaker: Banerjee, Purnajyoti (United Kingdom)

Osteoporosis

**SYMPOSIUM**    **EFORT-IOF BONE FRAGILITY MANAGEMENT SYMPOSIUM**    **Room: Madrid**  
**Moderators: Rizzoli, René (Switzerland), Dreinhöfer, Karsten (Germany)**

Hip fracture, reversal of a secular trend  
 Speaker: Harvey, Nick (United Kingdom)

Rehabilitation after fracture and fall prevention  
 Speaker: Dreinhöfer, Karsten (Germany)

Osteoporosis therapies and fracture healing  
 Speaker: Kurth, Andreas (Germany)

New therapies against bone fragility  
 Speaker: Rizzoli, René (Switzerland)

Paediatrics

**FREE PAPER**    **HIP & FOOT**    **Room: Istanbul**  
**Moderators: Jäger, Marcus (Germany), Ömeroglu, Hakan (Turkey)**

Value of selective ultrasound screening of the neonatal hip  
 Authors: Seidl, Tamara / Otte, Nadine / Placzek, Richard / Funk, Julia / Lohmaier, Jens / Trouillier, Hans-Heinrich  
 Speaker: Seidl, Tamara (Germany)

Screening for DDH: A comparative study of the SMAC and NIPE guidelines  
 Authors: Paton, Robin / Naseem, Haris  
 Speaker: Naseem, Haris (United Kingdom)

14:15 - 15:45

Correlation of radiological outcome and gait in the longterm follow-up after Legg-Calvé-Perthes disease

Authors: Krauspe, Rüdiger / Bittersohl, Bernd / Zilkens, Christoph / Rosenthal, Dietmar / Westhoff, Bettina / Müller-Reinartz, Anja

Speaker: Zilkens, Christoph (Germany)

The incidence of symptomatology following treatment of slipped upper femoral epiphysis

Authors: Carpenter, Eleanor Clair / Thomas, Daniel Phillip / Hemmadi, Sandeep / Moideen, Abdul Nazeer / Aranganathan, Shreedhar

Speaker: Moideen, Abdul Nazeer (United Kingdom)

SCFE with epi- metaphyseal discontinuity at surgery: Results after a modified Dunn procedure

Authors: Ziebarth, Kai / Slongo, Theddy / Domayer, Stephan / Kim, Young-Jo / Ganz, Reinhold

Speaker: Ziebarth, Kai (Switzerland)

Long term hip function after In-situ pinning for Slipped Capital Femoral Epiphysis surgery - a 15 year follow up study

Authors: Griffin, Damian / Wall, Peter / Brown, Jamie

Speaker: Brown, Jamie (United Kingdom)

Clubfeet of different etiology treated with the Ponseti method

Authors: Funk, Julia / Lebek, Susanne / Seidl, Tamara / Placzek, Richard

Speaker: Funk, Julia (Germany)

Correction of Clubfoot deformity with double column osteotomy: A prespective study

Authors: Selmani, Edvin / Brahimi, Fatmir / Guce, Bardhyl / Gjonej, Arben / Gjika, Eduard / Celaj, Arian

Speaker: Selmani, Edvin (Albania)

Treatment of Clubfoot associated with arthrogryposis

Authors: Ošťádal, Martin / Dungal, Pavel / Chomiak, Jiri / Frydrychova, Monika / Burian, Michal

Speaker: Ošťádal, Martin (Czech Republic)

### Pain Control/rehabilitation and non-surgical management

SYMPOSIUM

MODERN CONCEPTS IN REHABILITATION

Room: Hongkong

Moderator: Kladny, Bernd (Germany)

Assessments and scores - measuring success in rehabilitation

Speaker: Kohlmann, Thomas (Germany)

Work-related rehabilitation

Speaker: Simmel, Stefan (Germany)

Early musculoskeletal rehabilitation in acute care

Speaker: Theiler, Robert (Switzerland)

Patients going back home - interdisciplinary team approach

Speaker: Pye, Peggy-Anne (United Kingdom)

14:15 - 18:30

### Osteoporosis

EXMEX

OSTEOPOROSIS AND OPERATIVE TREATMENT OF FRAGILITY FRACTURES

Room: Hall 8

Moderator: Lauritzen, Jes Bruun (Denmark)

Osteoporosis in orthopaedic patients

Speaker: Thorngren, Karl-Göran (Sweden)

Inter- and sub-trochanteric hip fractures

Speaker: Parker, Martyn (United Kingdom)

Surgery for femoral neck fractures

Speaker: Rogmark, Cecilia (Sweden)

Complicated fragility fractures

Speaker: Rommens, Pol (Germany)

Peri-prosthetic and peri-implant fractures

Speaker: Bégué, Thierry (France)

Fracture healing in normal and osteoporotic bone

Speaker: Åkesson, Kristina (Sweden)

16:15 – 17:15

Trauma lower limb

FREE PAPER FEMORAL NECK FRACTURE Room: Stockholm

Moderators: Guerado, Enrique (Spain), Südkamp, Norbert (Germany)

Having no assistant at hip fracture surgery raises infection rate and mortality

Authors: Lewis, Charlotte / Moran, Christopher / Forward, Daren / Elsayed, Sherief / Mitchell, Olivia

Speaker: Mitchell, Olivia (United Kingdom)

Osteomalacia presenting as simultaneous bilateral fracture neck of femur: An interesting case report

Authors: Chauhan, Devendra / Dharmarajan, Ramasubramanian

Speaker: Chauhan, Devendra (United Kingdom)

Shepherd's Crook deformity with an intracapsular femoral neck fracture in fibrous dysplasia

Authors: Ahad, Nurul / Al-Mouazzen, Louay

Speaker: Al-Mouazzen, Louay (United Kingdom)

A pilot randomised controlled trial of a novel fixed-angle implant in intracapsular fractures of the proximal femur

Authors: Costa, Matthew / Achten, Juul / Parsons, Nick / Griffin, Xavier

Speaker: Griffin, Xavier (United Kingdom)

Microdialysis and Laser Doppler flow measurements in the femoral head in patients with dislocated femoral neck fractures, one year follow up

Authors: Emmeluth, Claus / Overgaard, Søren / Bøgehøj, Morten

Speaker: Bøgehøj, Morten (Denmark)

Cemented versus uncemented total hip joint arthroplasty for displaced intracapsular femoral neck fractures in the fit older patient

Authors: Keating, John / Van der Linden, Marietta / Brown, Iain

Speaker: Brown, Iain (United Kingdom)

Polytrauma/pelvis

INSTRUCTIONAL LECTURE THE SPECTRUM OF POLYTRAUMA Room: Hall 4/5

Moderator: Gebhard, Florian (Germany)

Speaker: Hoffmeyer, Pierre (Switzerland)

Bone & joint tumours

FREE PAPER SARCOMA II Room: Hall 6

Moderators: Windhager, Reinhard (Austria), Balacó, Ines (Portugal)

Pelvic chondrosarcoma: Experience of the Istituto Rizzoli

Authors: Ruggieri, Pietro / Angelini, Andrea / Pala, Elisa / Drago, Gabriele / Fabbri, Nicola

Speaker: Ruggieri, Pietro (Italy)

Survivorship, failure and clinical outcome of total femoral endoprosthetic replacement following excision of musculoskeletal tumours – a single center report

Authors: Sevelde, Florian / Funovics, Philipp / Hammer, Philipp / Dominkus, Martin / Windhager, Reinhard

Speaker: Sevelde, Florian (Austria)

Interpretation of the main predictors of local recurrence of soft tissue sarcoma in a competing risks setting

Authors: Ferguson, Peter / Bhumbra, Rej / Chung, Peter / Riad, Soha / Griffin, Anthony / Wunder, Jay / Catton, Charles / O'Sullivan, Brian / Weiss, Kurt / Biau, David

Speaker: Biau, David (France)

Pathologic subtrochanteric fractures in 194 patients. Patient survival and complications after surgery compared with non-pathologic fractures

Authors: Ekström, Wilhelmina / Wedin, Rikard / Weiss, Rüdiger

Speaker: Weiss, Rüdiger (Sweden)

Monitoring the status of surgical margins after resection of bone and soft tissue sarcomas

Authors: Ferguson, Peter / Wunder, Jay / Weiss, Kurt / Davidson, Darin / Brown, Chris / Biau, David / Bhumbra, Rej / Griffin, Anthony

Speaker: Griffin, Anthony (Canada)

16:15 – 17:15



Post radiation sarcoma: A single institutional experience on 52 cases  
Authors: Pala, Elisa / Mavrogenis, Andreas / Guerra, Giovanni / Casadei, Roberto / Ruggieri, Pietro  
Speaker: Ruggieri, Pietro (Italy)

**Knee osseous**

**FREE PAPER**

**OSTEOTOMIES AROUND THE KNEE I**

**Room: Hall 7**

**Moderators: Siebert, Christian (Germany), Toksvig-Larsen, Søren (Sweden)**

Incidence of osteotomies around the knee for the treatment of knee osteoarthritis – Registry-based study of Finnish population between 1987 and 2008

Authors: Eskelinen, Antti / Ohtonen, Pasi / Junnila, Mika / Leppilahti, Juhana / Niinimäki, Tuukka  
Speaker: Niinimäki, Tuukka (United Kingdom)

Selected within the best Free Papers

Preoperative surgical planning versus navigation system in the valgus tibial osteotomy

Authors: Severino, Nilson / Fucs, Patricia / Ribeiro, Cristiano  
Speaker: Ribeiro, Cristiano (Brazil)

Digital planning for osteotomy around the knee: A reliable reproducible technique

Authors: Wilson, Adrian / Thomas, Neil / Logan, James / Cox, George  
Speaker: Cox, George (United Kingdom)

Is correctional osteotomy necessary for primary varus knees treated for medial meniscal allograft transplantation?

Authors: Hwang, Byoung-Yoon / Choi, Duck-Hyun / Lee, Su-Chan  
Speaker: Lee, Su-Chan (Korea, Republic Of)

Results of 42 computer-assisted double level osteotomies for severe genu varum deformity:

A 1 to 9 years follow-up.

Authors: Blaysat, Marc / Mercier, Numa / Grimaldi, Mathieu / Saragaglia, Dominique  
Speaker: Saragaglia, Dominique (France)

The sagittal plane in High Tibial Osteotomy (HTO) for varus arthritis of the knee

Authors: Oehler, Stephan / Ziegler, Raphael / Baur, Wilhelm  
Speaker: Oehler, Stephan (Germany)

**General Orthopaedics / complications / basic science / technology**

**FREE PAPER**

**EXPERIMENTAL BONE HEALING**

**Room: Hall 9**

**Moderators: Schmidmaier, Gerhard (Germany), Von Stein, Thomas (Germany)**

Enhanced bone in growth of the highly porous Trabecular Titanium™

Authors: Bloch, Hans-Rudolf / Burelli, Silvia / Devine, Declan / Arens, Daniel  
Speaker: Burelli, Silvia (Italy)

Mesenchymal stem cells accelerate healing of bone defect in rabbits and their potential source of isolation

Authors: Ismail, Hadisoebroto Dilogo / Phedy, Lim / Kholinne, Erica / Jusuf, Achmad / Yulisa, Nyimas  
Speaker: Ismail, Hadisoebroto Dilogo (Indonesia)

The systemic stimulation of mesenchymal stem cells (MSCs) in bone marrow in response to trauma

Authors: Tan, Hiang Boon / Jones, Elena / Henshaw, Karen / McGonagle, Dennis / Giannoudis, Peter  
Speaker: Tan, Hiang Boon (United Kingdom)

Assessment of bone ingrowth potential of E-beam produced surface topographies with a biomimetic coating

Authors: Hannink, Gerjon / Biemond, Jeanne / Buma, Pieter / Verdonschot, Nico  
Speaker: Verdonschot, Nico (Netherlands)

Effect of gamma radiation and freeze drying on the maximum tensile strength of the demineralised cortical bone

Authors: Elnikety, Sherif / Pendegrass, Catherine / Blunn, Gordon  
Speaker: Elnikety, Sherif (United Kingdom)

Impregnation of bone chips with alendronate and cefazolin, combined with demineralized bone matrix:

A bone chamber study in goats

Authors: Hannink, Gerjon / Pilot, Peter / Schreurs, Willem / Bloem, Rolf / Buma, Pieter / Mathijssen, Nina  
Speaker: Schreurs, Willem (Netherlands)



16:15 – 17:15

**Infection**

FREE PAPER

**DIAGNOSTIC AND TREATMENT PROCEDURES IN PROSTHESIS INFECTIONS II**

Room: Hall 10

**Moderators: Wirtz, Dieter (Germany), Pavlovic, Vinko (Slovenia)**

Hematogenous hip and knee Prosthetic Joint Infections (PJI): Analysis of 60 cases

Authors: Trampuž, Andrej / Voide, Cathy / Borens, Olivier / Baalbaki, Rayan

Speaker: Trampuž, Andrej (Switzerland)

Correlation of diagnostic results in periprosthetic joint infections

Authors: Wirtz, Dieter / Gravius, Sascha / Reichert, Ben / Kuberra, Dominik / Stoffel-Wagner, Birgit /

Wimmer, Matthias / Randau, Thomas

Speaker: Randau, Thomas (Germany)

Efficacy and safety of high-dose Daptomycin (>6mg/kg) for treatment of severe and complicated Infections due Staphylococci and Enterococci

Authors: Trampuž, Andrej / Steinrücken, Julia / Perrottet, Nancy / Pannatier, André / Delaloye, Jean-Romain / Borens, Olivier

Speaker: Delaloye, Jean-Romain (Switzerland)

First clinical use of daptomycin antibiotic in revision hip surgery for periprosthetic infection

Authors: Lloyd, John / Cortes, Nicholas / O'Hara, Lawrence

Speaker: Lloyd, John (United Kingdom)

The predictive values of perioperative biopsies in periprosthetic infections

Authors: Duus, Benn / Hangaard, Stine / Andersen, Mikkel Rathsach

Speaker: Andersen, Mikkel Rathsach (Denmark)

Prevalence of Tuberculosis Arthropathy; 7 years data from Regional NHS Centre

Authors: Hehnal, James / Ul Haq, Muhammad / Mansha, Muhammad

Speaker: Ul Haq, Muhammad (United Kingdom)

**Hip**

FREE PAPER

**REVISION TOTAL HIP REPLACEMENT I**

Room: Sydney

**Moderators: Merloz, Philippe (France), Hendrich, Christian (Germany)**

Femoral component revision with use of impaction bone-grafting and a cemented polished stem, a 15-20 years follow-up study

Authors: Te Stroet, Martijn / Gardeniers, Jean / Verdonschot, Nico / Rijnen, Wim / Slooff, Tom / Schreurs, Willem

Speaker: Te Stroet, Martijn (Netherlands)

Evaluation of painful total hip arthroplasty: The value of 3-phase Technicium-99m (HDP) skeletal scintigraphy in predicting the need for revision surgery

Authors: Hill, Daniel / Naim, Soulat / Kinsella, Dennis / Toms, Andrew D. / Howell, Jonathan

Speaker: Hill, Daniel (United Kingdom)

Intramedullary and total femur replacement in revision arthroplasty as a last limb-saving option – is there any benefit from the less invasive intramedullary replacement?

Authors: Hoell, Steffen / Dedy, Nicolas / Gosheger, Georg / Dieckmann, Ralf / Henrichs, Marcel-Philipp /

Daniilidis, Kiriakos / Hards, Jendrik

Speaker: Hoell, Steffen (Germany)

Massive acetabular allograft transplantation in severe bone defect hip revision: A 22 years of experience

Authors: Cavaliere, Pietro / Astarita, Emanuele / Vilarrubias, Jose Maria / Bellotti, Vittorio /

Cardenas Nylander, Carlomagno / De Meo, Federico / Ribas, Manuel

Speaker: Ribas, Manuel (Spain)

Acetabular reconstruction with trabecular metal augments and modified impaction grafting in revision surgeries

Authors: Racu-Amoasii, Daniela / Katam, Krishnaiah / Basavaraju, Prasanna / Lawrence, Trevor

Speaker: Katam, Krishnaiah (United Kingdom)

Cemented fixation of a modular femoral head to a femoral component in revision hip arthroplasty – a novel technique

Authors: Makrides, Panayiotis / McArthur, John / Hill, Christopher / Pereira, Gavin / Uppal, Harpal / Downham, Christopher

Speaker: Downham, Christopher (United Kingdom)

Sacral Stress Fracture in an amateur rower/runner  
 Authors: Tudor, Edward / Eseonu, Kelechi / Wharton, Rupert  
 Speaker: Tudor, Edward (United Kingdom)

**Hip**

FREE PAPER

**TOTAL HIP REPLACEMENT – ACETABULAR FRACTURE**

Room: Istanbul

Moderators: Macheras, George (Greece), Sur, Hakki (Turkey)

Serum metal ion levels, imaging features and five year outcome of over 350 ASR hip arthroplasties

Authors: Low, Adrian / Sullivan, James  
 Speaker: Sullivan, James (Australia)

Subchondral plate removal and acetabular radiolucency in cemented total hip arthroplasty

Authors: Hossain, Munier / Andrew, Glynn / Beard, David / Murray, David  
 Speaker: Hossain, Munier (United Kingdom)

PAVI cementless acetabular cup: A bilayer coating to secure tertiary stabilization

Authors: Aslanian, Thierry / Ferreira, André  
 Speaker: Ferreira, André (France)

Corrolation between wear and cup positioning in the atlas flexible acetabular cup with a maximum follow-up of 11 years

Authors: Woodnutt, David / Hamerlynck, Karel  
 Speaker: Woodnutt, David (United Kingdom)

The effect on radiographic osseointegration of geometric variations in acetabular component design

Authors: Edwards, Max / Lutz, Michael / Keast-Butler, Oliver / Escott, Ben / Schemitsch, Emil / Waddell, James  
 Speaker: Waddell, James (Canada)

Squeaking in a Delta Ceramic-on-Ceramic uncemented THA

Authors: Buttaró, Martín / Comba, Fernando / Zanotti, Gerardo / Piccaluga, Francisco  
 Speaker: Comba, Fernando (Argentina)

Displacement of an uncemented femoral stem during attempted closed reduction of a dislocated total hip arthroplasty

Authors: Gulhane, Sandesh / Meek, Dominic / Patil, Sanjeev  
 Speaker: Gulhane, Sandesh (United Kingdom)

**Spine**

FREE PAPER

**DEFORMITY**

Room: Hongkong

Moderators: Christodoulou, Anastasios (Greece), Pflugmacher, Robert (Germany)

Which correction is the most important in the management of adolescent idiopathic scoliosis:

Comparison between mono and polyaxial screws

Authors: Blondel, Benjamin / Lafage, Virginie / Farcy, Jean-Pierre / Schwab, Frank / Bollini, Gerard / Jouve, Jean-Luc  
 Speaker: Blondel, Benjamin (France)

Severe scoliosis with intra spinal pathologies

Authors: Tacal, Mehmet / Sakizlioglu, Secil / Balioglu, Mehmet / Albayrak, Akif  
 Speaker: Balioglu, Mehmet (Turkey)

No long-term changes in the position of the spinal cord inside the canal after surgical correction of scoliosis

Authors: Jiménez, Daniel / Del Cura, María Soledad / Burgos, Jesús / Hevia, Eduardo / Barrios, Carlos / De Blas, Gema / Domenech, Pedro / Montes, Elena / Maruenda, Jose  
 Speaker: Jiménez, Daniel (Spain)

Prevention of neurological harm through response to abnormal somatosensory evoked potential (SSEP) monitoring in spinal deformity surgery: An institutional review of 2386 consecutive cases

Authors: Cannon, Gemma / Kabir, Syed / Cowan, Joseph / Casey, Adrian / Vanhegan, Ivor  
 Speaker: Vanhegan, Ivor (United Kingdom)

Reciprocal sagittal alignment changes after posterior fusion in the setting of adolescent idiopathic scoliosis

Authors: Blondel, Benjamin / Lafage, Virginie / Schwab, Frank / Farcy, Jean-Pierre / Bollini, Gerard / Jouve, Jean-Luc  
 Speaker: Blondel, Benjamin (France)

Thursday  
24 May

16:15 – 17:15

Adults scoliosis surgery: Survival study

Authors: Sanchez-Mariscal, Felisa / Izquierdo, Enrique / Pizones, Javier / Zuñiga, Lorenzo / Alvarez, Patricia / Gomez-Rice, Alejandro

Speaker: Gomez-Rice, Alejandro (Spain)

16:15 – 18:30

## EHS – European Hip Society



### Hip

SPECIALTY  
SESSION

CONSERVATIVE TREATMENT OF OSTEOARTHRITIS OF THE HIP

Room: Hall 3

Moderators: Krismer, Martin (Austria), Zagra, Luigi (Italy)

Introduction

Speaker: Krismer, Martin (Austria)

Lifestyle changes (weight loss, exercises), nutrition and nutraceuticals

Speaker: Siebert, Werner (Germany)

Pain treatment (NSAID and opioids) and SYSADOA (symptomatic slow acting drugs for osteoarthritis)

Speaker: Krismer, Martin (Austria)

Rehabilitation (physiotherapy, traction, aquatic exercises, thermotherapy)

Speaker: Ullmark, Gosta (Sweden)

Intraarticular injections, infiltration, acupuncture

Speaker: Van Bacle, Bart (Belgium)

A stepwise approach for conservative treatment of osteoarthritis of the hip

Speaker: Søballe, Kjeld (Denmark)

Summary

Speaker: Zagra, Luigi (Italy)

## FESSH/EWAS Federation of European Societies for Surgery of the Hand / European Wrist Arthroscopy Society



### Hand & wrist

SPECIALTY  
SESSION

WRIST ARTHROSCOPY, STANDARD PROCEDURES

Room: Madrid

Moderators: Haerle, Max (Germany), Szabo, Zsolt (Hungary)

Diagnostic arthroscopy

Speaker: Bonczar, Mariusz (Poland)

Treatment of distal radius fractures

Speaker: Luchetti, Riccardo (Italy)

Malunited distal radius fractures

Speaker: Del Piñal, Francisco (Spain)

Scapholunate lesions

Speaker: Branco, José (Portugal)

Discussion

Ulnocarpal impingement

Speaker: Haugsvedt, Jan (Norway)

Resection of wrist ganglia

Speaker: Coert, Henk (The Netherlands)



16:15 - 18:30

Arthroscopic wrist synovectomy in rheumatoid arthritis  
Speaker: Borisch, Nicola (Germany)

Indications in wrist arthroscopy  
Speaker: Mathoulin, Christophe (France)

Complications and limitations in wrist arthroscopy  
Speaker: Leclercq, Caroline (France)

Discussion

17:30 - 18:30

Trauma lower limb

FREE PAPER

FEMORAL NECK FRACTURE - HEMIARTHROPLASTY

Room: Stockholm

Moderators: Guerado, Enrique (Spain), Südkamp, Norbert (Germany)

Increased risk of peri-operative mortality after cemented hemiarthroplasty for hip fracture surgery  
Authors: Hossain, Munier / Andrew, Glynn  
Speaker: Hossain, Munier (United Kingdom)

Can uncemented hemiarthroplasty still be defended? Outcome of 361 consecutive titanium hydroxyapatite-coated uncemented stem hemiarthroplasties  
Authors: Granville-Chapman, Jeremy / Keightley, Andrew / Bruce, Christopher / Monk, Jonathan / Khaleel, Arshad  
Speaker: Granville-Chapman, Jeremy (United Kingdom)

Cemented hemiarthroplasty or total hip replacement for intracapsular neck of femur fracture?  
A comparison of 7732 matched patients using national data  
Authors: Jameson, Simon / Lees, Deborah / McVie, James / Rangan, Amar / Muller, Scott / Reed, Mike  
Speaker: Lees, Deborah (United Kingdom)

Reoperations and risk factors for hemiarthroplasties -23,509 patients from the Swedish Hip Arthroplasty Register 2005-2010  
Authors: Leonardsson, Olof / Garellick, Göran / Kärrholm, Johan / Åkesson, Kristina / Rogmark, Cecilia  
Speaker: Rogmark, Cecilia (Sweden)

Failed Thompson revision hemi-arthroplasty: Durham experience  
Authors: Duffy, Patrick / Scott, Stephen / Singh, Anjani / Manning, William  
Speaker: Manning, William (United Kingdom)

Cemented versus uncemented hemiarthroplasty for fractured neck of femur -  
A comparison of 60,848 matched patients using national data  
Authors: Jameson, Simon / Jensen, Cyrus / James, Philip / Rangan, Amar / Muller, Scott / Reed, Mike / Lees, Deborah  
Speaker: Lees, Deborah (United Kingdom)

Trauma lower limb

FREE PAPER

TRAUMA LOWER LIMB I

Room: Hall 4/5

Moderators: Blauth, Michael (Austria), Goost, Hans (Germany)

A retrospective study comparing radiographic and functional outcomes in patients who Sustained an Intra-articular Calcaneal Fracture  
Authors: Portelli, Mark / Xuereb, Dorian / Esposito, Ivan / Zammit, Sharon  
Speaker: Zammit, Sharon (Malta)

Foot Compartment Syndrome sequelae following calcaneal fractures  
Authors: Chechik, Ofir / Tenenbaum, Shai / Thein, Ran / Steinberg, Ely / Rosenthal, Ron  
Speaker: Chechik, Ofir (Israel)

Conservative vs. operative treatment of displaced intra-articular calcaneal fractures: A prospective randomized controlled multi-centre trial with 10-12 years follow-up  
Authors: Wretenberg, Per / Sayed-Noor, Arkan / Ågren, Per-Henrik  
Speaker: Ågren, Per-Henrik (Sweden)

The Jones fracture – is there a need for a new universal definition?

Authors: Peter, Noel / Beazley, James / Kankate, Raghubir / Dean, Benjamin / Uppal, Harpal

Speaker: Uppal, Harpal (United Kingdom)

Return to play in 6 weeks following fifth metatarsal fracture in professional footballers – media myth or clinical reality?

Authors: Murray, David / Tucker, Harry / Calder, James / Jain, Neil

Speaker: Jain, Neil (United Kingdom)

Total talar dislocation: A case report

Authors: Nanjayan, Shashi / Johnson, Benjamin / Srivastava, Subodh / Patel, Amit / Sinha, Ashok

Speaker: Nanjayan, Shashi (United Kingdom)

An unusual case of irreducible Hawkins Type-3 talus fracture with long flexor interposition and medial and posterior malleoli fracture

Authors: Vinayagam, Leninbabu / Ramanujam, Vishnu / Marasamy, Anand / Komarasamy, Baskaran

Speaker: Marasamy, Anand (India)

### Bone & joint tumours

FREE PAPER

SARCOMA III

Room: Hall 6

Moderators: Windhager, Reinhard (Austria), Balacó, Ines (Portugal)

The value of FDG PET/CT-scan in the initial assessment of high-grade bone- and soft tissue sarcoma  
A retrospective study of 89 patients

Authors: Jørgensen, Simon / Hovgaard, Dorrit / Loft, Annika / Petersen, Michael Mørk / Fuglø, Hanna

Speaker: Fuglø, Hanna (Denmark)

Retrospective analysis of the oncosurgical management of bone metastases of the upper extremity

Authors: Schwabe, Philipp / Teichler, Christop / Melcher, Ingo / Haas, Norbert / Ruppert, Marcus / Schaser, Klaus-Dieter

Speaker: Schwabe, Philipp (Germany)

Immunotherapy based on dendritic cells is feasible for patients with malignant bone and soft tissue tumours

Authors: Yamamoto, Norio / Shirai, Toshiharu / Hayashi, Katsuhiko / Takeuchi, Akihiko / Tanzawa, Yoshikazu / Kimura, Hiroaki /

Miwa, Shinji / Igarashi, Kentaro / Tsuchiya, Hiroyuki / Nishida, Hideji

Speaker: Nishida, Hideji (Japan)

Hot or cold? Oncologic and surgical outcome of liquid nitrogen, phenol, PMMA and combinations as local adjuvant treatment after intralesional curettage in Giant Cell Tumor of Bone

Authors: Van der Geest, I.C.M. / Schreuder, H.W.B. / Veth, R.P.H. / Van de Sande, M.A.J. / Dijkstra, Sander / Van Der Heijden, Lizz

Speaker: Van Der Heijden, Lizz (Netherlands)

Limb salvage in soft tissue sarcoma distal to the knee: Long term results

Authors: Beltrami, Giovanni / Frenos, Filippo / Franchi, Alessandro / Innocenti, Marco / Scoccianti, Guido /

Botti, Alessandra / Capanna, Rodolfo

Speaker: Beltrami, Giovanni (Italy)

Distal femur reconstructions with modular prostheses: The Rizzoli experience

Authors: Ruggieri, Pietro / Pala, Elisa / Angelini, Andrea / Abati, Caterina / Calabrò, Teresa / De Paolis, Massimiliano /

Bianchi, Giuseppe

Speaker: Ruggieri, Pietro (Italy)

Functional results of shoulder arthrodesis after tumoral resection: A study with a 6 years average follow-up

Authors: Guardia, Christine / Legre, Regis / Bollini, Gerard / Viehweger, Elke / Jouve, Jean-Luc / Blondel, Benjamin / Bollini, Gerard

Speaker: Guardia, Christine (France)

### Knee osseous

FREE PAPER

OSTEOTOMIES AROUND THE KNEE II

Room: Hall 7

Moderators: Siebert, Christian (Germany), Toksvig-Larsen, Søren (Sweden)

Realignment osteotomies in the treatment of chronic instabilities of the knee associated with malalignment

Authors: Bilsel, Kerem / Erdil, Mehmet / Sen, Cengiz

Speaker: Bilsel, Kerem (Turkey)

Osteonecrosis of lateral tibial plateau - unique presentation and surgical management

Authors: Avasthi, Adhish / Rao, Biyyam / Kamal, Tamer

Speaker: Rao, Biyyam (United Kingdom)

95 degrees medial tibial plateau angle: The crucial angle to prevent recurrent varus deformity after medial opening wedge high tibial osteotomy

Authors: Narkbunnam, Rapeepat / Chareancholvanich, Keerati / Pornrattanamanee Wong, Chaturong

Speaker: Pornrattanamanee Wong, Chaturong (Thailand)

Navigation provides high accuracy in valgisation osteotomy for the osteoarthritic varus knee

Authors: Bartl, Christoph / Gebhard, Florian / Keppler, Peter

Speaker: Bartl, Christoph (Germany)

### Pain Control/rehabilitation and non-surgical management

**INSTRUCTIONAL LECTURE** MULTIMODAL TREATMENT OF BACK PAIN  
Moderator: Wagner, Christof (Germany)

Room: Hall 9

Speaker: Casser, Hans-Raimund (Germany)

### Infection

**FREE PAPER** DIAGNOSTIC AND TREATMENT PROCEDURES IN PROSTHESIS INFECTIONS III  
Moderators: Heppert, Volkmar (Germany), Overgaard, Søren (Denmark)

Room: Hall 10

Bacteriophage Therapy in Periprosthetic Infections. Experimental Study

Authors: Colak, Mehmet / Yilmaz, Cengiz / Yilmaz, Banu / Ersoz, Gulden / Kutateladze, Mzia / Gozlugol, Mehmet

Speaker: Colak, Mehmet (Turkey)

Antimicrobial activity against *Propionibacterium acnes* biofilm in an Experimental Foreign-Body Infection Model

Authors: Furustrand Taffin, Ulrika / Zimmerli, Werner / Borens, Olivier / Belkhodja Zalila, Cyrine /

Bétrisey, Bertrand / Trampuž, Andrej / Delaloye, Jean-Romain

Speaker: Trampuž, Andrej (Switzerland)

High efficacy of fosfomycin in combination with rifampin against methicillin-resistant *Staphylococcus aureus* (MRSA) in the animal model of infection

Authors: Mihailescu, Raluca / Trampuž, Andrej / Borens, Olivier / Furustrand Taffin, Ulrika / Bétrisey, Bertrand

Speaker: Mihailescu, Raluca (Romania)

One-stage revision of infected total hip arthroplasties using Vancomycin-impregnated PMMA-bone-cement

Authors: Stangenberg, Peter / Frommelt, Lars / Matziolis, Georg / Gehrke, Thorsten / Perka, Carsten

Speaker: Stangenberg, Peter (Germany)

Multiplex PCR an sonication fluid of removed implants for diagnosis of prosthetic joint infection

Authors: Sánchez-Soler, Juan Francisco / Portillo, María Eugenia / Sorlí Redo, María Luísa / Santos, Martínez Díaz /

Alíer Fabrego, Albert / Horcajada Gallego, Juan Pablo / Puig Lluís

Speaker: Sánchez-Soler, Juan Francisco (Spain)

Infection of an Intrapelvic Granuloma following a revision total hip arthroplasty - a rare complication with devastating consequences

Authors: Fuchs, Katharina / Daniilidis, Kiriakos / Gosheger, Georg / Höll, Steffen / Dedy, Nicolas

Speaker: Fuchs, Katharina (Germany)

### Hip

**FREE PAPER** REVISION TOTAL HIP REPLACEMENT II  
Moderators: Ambrosio, Luigi (Italy), Gravius, Sascha (Germany)

Room: Sydney

A taper interface examination of large diameter Metal-on-Metal modular hip retrievals

Authors: Li, Chenxi / Kamali, Amir / Collins, David

Speaker: Kamali, Amir (United Kingdom)

Implant survival in patients undergoing primary or revision hip arthroplasty with trabecular metal technology  
 Authors: Clement, Rhys / Ray, Andrew / Moran, Matthew  
 Speaker: Clement, Rhys (United Kingdom)

Fractures of the greater trochanter following total hip replacement (THR). A retrospective analysis of 911 patients  
 Authors: Månsson, Lukas / Brun, Ole-Christian  
 Speaker: Brun, Ole-Christian (Norway)

Early periprosthetic fracture after operation with an uncemented femoral stem. Analysis of 366 351 cemented and uncemented femoral stems in the Nordic Arthroplasty Registry Association-database  
 Authors: Thien, Truike / Garellick, Göran / Furnes, Ove / Havelin, Leif / Overgaard, Søren / Kärrholm, Johan  
 Speaker: Thien, Truike (Sweden) Selected within the best Free Papers

Mean 12 years follow up results after revision total hip arthroplasty using a cementless tapered revision stem  
 Authors: Neumann, Daniel / Dorn, Ulrich / Zweymüller, Karl  
 Speaker: Neumann, Daniel (Austria)

Hydroxyapatite coating of cups used in acetabular revision arthroplasty:  
 A Swedish Hip Arthroplasty Register study on 1,780 hip revisions  
 Authors: Kärrholm, Johan / Hailer, Nils / Lazarinis, Stergios  
 Speaker: Lazarinis, Stergios (Sweden)

**Hip**

FREE PAPER

**TOTAL HIP REPLACEMENT – FEMORAL FRACTURE**

Room: Istanbul

Moderators: Halder, Andreas (Germany), Sur, Hakki (Turkey)

Survivorship rate of THR with modular necks: A multicentric study  
 Authors: Cavaliere, Pietro / Ribas, Manuel / Ciccolo, Francesco / Cardenas Nylander, Carlomagno / De Meo, Federico  
 Speaker: De Meo, Federico (Italy)

The effect of stem metallurgy on micromovement in cemented total hip arthroplasty: A RSA study  
 Authors: Gill, Harinderjit / Murray, David / Glyn-Jones, Sion / Mehmood, Shahid  
 Speaker: Mehmood, Shahid (United Kingdom)

Chromium-nitride coatings improve the fretting corrosion properties of modular femoral components  
 Authors: Morton, Leona / Simpson, David / Collins, Simon / Housden, Jonathan  
 Speaker: Morton, Leona (United Kingdom)

5 year migration results of a non-cemented fully hydroxyapatite coated femoral component in total hip - a prospective follow-up study of 218 cases  
 Authors: Goossens, Marc / Van der Straeten, Catherine / Clauss, Martin  
 Speaker: Clauss, Martin (Switzerland)

Maximum temperatures of 89.2 degrees C recorded during the meachanical preparation of 35 femoral heads for resurfacing  
 Authors: Whitehouse, Michael / Baker, Richard / Kilshaw, Michael / Pabbruwe, Morreica / Spencer, Robert / Blom, Ashley / Bannister, Gordon  
 Speaker: Whitehouse, Michael (United Kingdom)

The radiological complication rate of the JRI H-A coated uncemented hemiarthroplasty  
 Authors: Avis, Duncan / Boyd, Robert / Mordecai, Simon / O'Shea, Daniel / Pettit, Phillip / Griffiths, Jamie  
 Speaker: Griffiths, Jamie (United Kingdom)

**Spine**

FREE PAPER

**BASIC SCIENCE / BIOMECHANICS**

Room: Hongkong

Moderators: Christodoulou, Anastasios (Greece), Pflugmacher, Robert (Germany)

A biomechanical analysis of pullout resistance of the screw-plate construct depending of working length of occipital screws  
 Authors: Von Keudell, Arvind / Mayer, Michael / Resch, Herbert / Zenner, Juliane / Pumberger, Matthias / Koller, Heiko / Korn, Gundobert  
 Speaker: Von Keudell, Arvind (United States) Selected within the best Free Papers

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A biomechanical analysis of failed C2-pedicle screws: A rationale for revision surgery

Authors: Von Keudell, Arvind / Mayer, Michael / Resch, Herbert / Zenner, Juliane / Pumberger, Matthias / Koller, Heiko

Speaker: Von Keudell, Arvind (United States)

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Biomechanical comparison of the screw position for internal fixation of Type II dens fractures

Authors: Oberkircher, Ludwig / Krueger, Antonio / Bliemel, Christopher / Flossdorf, Felix / Ruchholtz, Steffen

Speaker: Oberkircher, Ludwig (Germany)

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In vitro study of the axial compression resistance of the lumbar segmental porcine simulating spine metastasis

Authors: De Moura, Marcio / Palauro, Fabiano

Speaker: De Moura, Marcio (Brazil)

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Biomechanical comparison of a dynamical stabilization device to fusion and total disc replacement in the cervical spine

Authors: Daentzer, Dorothea / Hurschler, Christof / Schwarze, Michael / Packheiser, Alena / Tak, Sebastian /

Richter, Berna / Welke, Bastian

Speaker: Daentzer, Dorothea (Germany)

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Finite Element investigation of the effect of spina bifida on loading of the vertebral isthmus

Authors: Yeoman, Mark / Cizinauskas, Andrius / Cooper, Kevin / Boszczyk, Bronek / McNally, Donal / Quah, Conal

Speaker: Quah, Conal (United Kingdom)

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# Social Programme

## Berlin Night



Last opportunity to buy tickets  
▶ Get your ticket now



### Date

Thursday, 24 May 2012

### Time

20:30 – 2:00

### Place

Kaufhaus des Westens (KaDeWe)  
Tauentzienstrasse 21 – 24  
10789 Berlin

### Programme

Music, Entertainment, Gourmet food

### Dress code

Semi-formal

### Price

€ 86.00 + local VAT (excl. transport)

### Tickets

Remaining tickets are available at the registration counter in the entrance area of the congress center.





# TIME FOR ACTION

DECADE OF ACTION FOR ROAD SAFETY 2011-2020



## Symposium

Injury Prevention

Wednesday 23 May

Time: 14.15 - 15.45

Auditorium: Stockholm

Check the programme for more sessions on trauma topics.



## Exhibition

The WHO presents statistics and the concept of the Decade.

What happens after a car crash?

A car has been damaged in a crash test scenario and is exhibited in Hall 15. Learn all about the biomechanical background.



## Live Car Crash

Friday 25 May

Time: 10.45

Courtyard of the ICC

Experience this spectacular demonstration:

A live stunt show lets you observe the impact of a car crashing into a parked car at high speed.



**EFORT 2012 supports the Decade of Action for Road Safety, launched by the United Nations.**

Room	Stockholm	Hall 3	Hall 4/5	Hall 6	Hall 7	Hall 8	Hall 9	
Time								
08:00	Ankle fractures Trauma lower limb Instructional Lecture	Instability following total hip arthroplasty Hip Instructional Lecture	Trauma lower limb II Trauma lower limb Free Paper	Basic research in shoulder diseases Shoulder/elbow, arm/ forearm Free Paper	Hip: Miscellaneous Hip Free Paper	Periprosthetic frac- tures around the hip and knee Hip ExMex	The foot at risk Foot/ankle/leg Free Paper	
08:15								
08:30								
08:45								
09:00	BREAK	BREAK	BREAK	BREAK	BREAK	Registration required.	BREAK	
09:15	Femoral neck fracture Trauma lower limb Free Paper	Cemented total hip arthroplasty – a proven but forgotten concept? Hip Symposium	Imaging and navi- gation in fracture treatment Polytrauma/pelvis Symposium	The posttraumatic infection Infection Controversial Case Discussion	Statistical analysis in orthopaedic clinical studies General education Symposium		Sport injuries around the ankle joint – evidence based management Foot/ankle/leg Specialty Session EFAS	
09:30								
09:45								
10:00								
10:15								
10:30								
10:45	Live Car Crash in the ICC courtyard (near radio tower)							
11:00								
11:15	Intertrochanteric fractures II Trauma lower limb Free Paper	Total hip arthro- plasty Hip Free Paper	Patellar fracture and dislocation Knee osseous Instructional Lecture	Hip replacement: Cemented vs. non- cemented stems in geriatric patients Hip Cross-Fire-Discussion	Hip replacement: Bleeding and pre- vention Hip Free Paper		Ankle: Prosthesis / arthrodesis Foot/ankle/leg Free Paper	
11:30								
11:45		Michael Freeman Honorary Lecture						
12:00								
12:15								
12:30								
12:45			Hip technology forum: Definitive overview for a personalised fit Industry Symposium Zimmer GmbH					
13:00								
13:15								
13:30								
13:45								
14:00								
14:15	Radial head frac- tures: Fix, replace or remove? Trauma upper limb Symposium	ACL reconstruction in football players Sports/knee soft-tissue Specialty Session ESSKA	TOCS: Trauma and orthopaedics in conflict and post- conflict settings Polytrauma/pelvis Symposium	When to do what in multiple fractures patients Polytrauma/pelvis Controversial Case Discussion	Hip replacement: Navigation and imaging Hip Free Paper	Total knee replace- ment: Technique and navigation I Knee osseous Free Paper	Foot and ankle infections Infection Specialty Session EBJIS	
14:30								
14:45								
15:00		Knee replacement and sport Sports/knee soft-tissue Specialty Session ESSKA						
15:15								
15:30								
15:45	BREAK		BREAK	BREAK	BREAK	BREAK	BREAK	
16:00	Traumatic major limb amputations Polytrauma/pelvis Symposium	First dislocation in athletes Sports/knee soft-tissue Specialty Session ESSKA	Trauma Paediatrics Free Paper	Risk factors for osteoarthritis General Orthopaedics Free Paper	Hip displasia-impin- gement Hip Free Paper	Total Knee Replace- ment: Technique and navigation II Knee osseous Free Paper	Flatfoot: From child- hood to the adult Foot/ankle/leg Symposium	
16:15								
16:30								
16:45								
17:00								
17:15								

<span style="display: inline-block; width: 15px; height: 15px; background-color: #f4a460; border: 1px solid black;"></span> GENERAL ORTHOPAEDICS	<span style="display: inline-block; width: 15px; height: 15px; background-color: #8eb9c1; border: 1px solid black;"></span> UPPER LIMB	<span style="display: inline-block; width: 15px; height: 15px; background-color: #e67e22; border: 1px solid black;"></span> LOWER LIMB	<span style="display: inline-block; width: 15px; height: 15px; background-color: #92d050; border: 1px solid black;"></span> SPINE	<span style="display: inline-block; width: 15px; height: 15px; background-color: #2980b9; border: 1px solid black;"></span> TRAUMA/POLY-TRAUMA	<span style="display: inline-block; width: 15px; height: 15px; background-color: #9b59b6; border: 1px solid black;"></span> PAEDIATRICS	<span style="display: inline-block; width: 15px; height: 15px; background-color: #a6a6a6; border: 1px solid black;"></span> GENERAL EDUCATION
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Hall 10	Sydney	Madrid	Istanbul	Oslo	Sauerbruch	Hongkong	Koch	Room
								Time
Anterior cruciate ligament reconstruction Sports/knee soft-tissue Free Paper	Hip: Femoral head necrosis and bone remodelling Hip Free Paper	Cervical spine and treatment algorithms Spine Specialty Session AO Spine	Polyethylen wear in total hip replacement Tribology Free Paper		Trauma & Miscellaneous I Spine Free Paper	Treatment of osteonecrosis of the knee Knee osseous Instructional Lecture		08:00 08:15 08:30 08:45
BREAK	BREAK	BREAK	BREAK	BREAK	BREAK	BREAK	Speaker coaching workshop Registration required.	09:00 09:15
Fragility fractures around the knee Osteoporosis Symposium	Minimal invasive pain treatment Pain Control/rehabilitation and non-surgical management Symposium	Spondylolysis and spondylolisthesis Spine Specialty Session EuroSpine	Large diameter heads: Risk/benefit? Tribology Symposium	Total shoulder arthroplasty Shoulder/elbow, arm/forearm Free Paper	Pain in knee osteoarthritis: Treatment before, during and after joint replacement Pain Control/rehabilitation and non-surgical management Free Paper	Knee arthroplasty in special cases Knee osseous Symposium		09:30 09:45 10:00 10:15 10:30 10:45
Live Car Crash in the ICC courtyard (near radio tower)								11:00
Osteoporosis, fragility fractures and secondary prevention Osteoporosis Free Paper	Miscellaneous Spine Free Paper	Minimally invasive approach to degenerative disc disease Spine Specialty Session ISLASS	Clinical data related to hip tribology Tribology Free Paper	Sarcoma IV Bone & joint tumours Free Paper	Trauma & Miscellaneous II Spine Free Paper	Rehabilitation after knee surgery General Orthopaedics Instructional Lecture		11:15 11:30 11:45 12:00 12:15 12:30
	Knees – a balancing act: Instructional TKA course: The role of surgical philosophy and procedural technology in modern TKA Industry Symposium Stryker SA			XIAPEX Training: Hands-on training course on correct use and administration Industry Symposium Pfizer LTD				12:45 13:00 13:15 13:30 13:45 14:00
Osteoporotic proximal humerus fractures: How we solve it Osteoporosis Symposium	Preservation techniques for adolescent hip problems Paediatrics Specialty Session EPOS	Surgical dilemmas of the rheumatoid ankle and foot Foot/ankle/leg Specialty Session ERASS/EFAS	Polyethylen / ceramic Tribology Symposium	Online databases and literature research techniques for orthopaedic surgeons General education Workshop	Complications / infection Spine Free Paper	Sport related compressions at the upper limb Sports/knee soft-tissue Specialty Session EFOST		14:15 14:30 14:45 15:00 15:15 15:30
BREAK			BREAK	BREAK	BREAK			15:45
An update on training of orthopaedic residents in Europe and information about fellowships General education Specialty Session FORTE			Metal-on-Metal bearings Tribology Symposium		Lumbar spinal stenosis: An update Spine Symposium			16:00 16:15 16:30 16:45 17:00 17:15

08:00 – 09:00

Trauma lower limb

**INSTRUCTIONAL LECTURE**    **ANKLE FRACTURES**    **Room: Stockholm**  
Moderator: Bel, Jean-Christophe (France)

Speaker: Zwipp, Hans (Germany)

Hip

**INSTRUCTIONAL LECTURE**    **INSTABILITY FOLLOWING TOTAL HIP ARTHROPLASTY**    **Room: Hall 3**  
Moderator: Ovesen, Ole (Denmark)

Speaker: Günther, Klaus-Peter (Germany)

Trauma lower limb

**FREE PAPER**    **TRAUMA LOWER LIMB II**    **Room: Hall 4/5**  
Moderators: Kralinger, Franz (Austria), Stuby, Fabian (Germany)

What is the optimal timing for Ankle Fracture Surgery

Authors: Highcock, Alan / Robinson, Simon  
Speaker: Highcock, Alan (United Kingdom)

Risk factors for deep surgical site infection following operative treatment of ankle fractures

Authors: Mäkinen, Tatu J / Madanat, Rami / Lindahl, Jan / Hirvensalo, Eero / Vahlberg, Tero / Huotari, Kaisa / Ovaska, Mikko T  
Speaker: Ovaska, Mikko T (Finland)

Complications and revision surgery in operative treatment of ankle fractures in the over 60's: Review of 200 cases

Authors: Zaghoul, Ahmed / Barksfield, Richard / Davis, Ben  
Speaker: Zaghoul, Ahmed (United Kingdom)

The unnecessary "X-ray on arrival" for ankle fractures

Authors: Alshameeri, Zeiad / Alsamaq, Mohammed / Katam, Krishnaiah / Tillu, Abhay  
Speaker: Alshameeri, Zeiad (United Kingdom)

Hybrid external fixation in treatment of tibial pilon fractures

Authors: Mori, Claudio / Rollo, Giuseppe / Tartaglia, Nicola / Corina, Gianfranco  
Speaker: Tartaglia, Nicola (Italy)

Use of Tightrope for ankle syndesmosis injuries

Authors: Anand, Amarjit / Ahluwalia, Raju / VEDI, Vikas / Allardice, Garth / Patel, Akash / Anand, Bobby  
Speaker: Anand, Bobby (United Kingdom)

Shoulder/elbow, arm/forearm

**FREE PAPER**    **BASIC RESEARCH IN SHOULDER DISEASES**    **Room: Hall 6**  
Moderators: Marcacci, Maurilio (Italy), Scarlat, Marius (France)

Biomechanical analysis of massive rotator cuff tear repairs; extended linked repairs and augmented repairs

Authors: Wijdicks, Coen / Gaskill, Trevor / Jansson, Kyle / Millett, Peter / Van Der Meijden, Olivier  
Speaker: Van Der Meijden, Olivier (United States)

Effect of COX-2 receptor inhibitors on the biomechanical strength of repaired rotator cuff tendon in a rat model

Authors: Dolkart, Oleg / Mozes, Gavriel / Rak, Ofer / Chechik, Ofir / Morag, Guy / Maman, Eran  
Speaker: Chechik, Ofir (Israel)

The early effect of platelet-rich plasma on healing of repaired rotator cuff in a rat model. Histological study

Authors: Dolkart, Oleg / Maman, Eran / Mozes, Gavriel / Rak, Ofer / Rath, Ehud / Chechik, Ofir  
Speaker: Maman, Eran (Israel)

Monoaxial versus polyaxial locking systems: A biomechanical analysis of different locking systems for the fixation of proximal humeral fractures

Authors: Zettl, Ralph / Müller, Thorben / Kühne, Christian / Krueger, Antonio / Ruchholtz, Steffen  
Speaker: Zettl, Ralph (Germany)

The Deltoid and Supraspinatus muscles in arm abduction: – moment generator vs. glenohumeral stabilisator –  
 Authors: Werner, Saskia / Ter Braak, Linda / Veeger, Dirk-Jan / De Groot, Jurriaan / Nelissen, Rob / De Witte, Pieter Bas  
 Speaker: De Witte, Pieter Bas (Netherlands)

Biomechanical comparison of two techniques of coracoid Transfer (Latarjet Procedure) in cadaveric shoulders  
 Authors: Singh, Ashok / Pimple, Mahesh / Tavakkolizadeh, Adel / Sinha, Joydeep  
 Speaker: Singh, Ashok (United Kingdom)

**Hip**

**FREE PAPER HIP: MISCELLANEOUS Room: Hall 7**

**Moderators: Forriol, Francesco (Spain), Sur, Hakki (Turkey)**

The role of Body Mass Index (BMI): total hip replacements enrolled in an enhanced recovery programme  
 Authors: Buddhdev, Pranai / Davies, Neil / Waters, Tim  
 Speaker: Buddhdev, Pranai (United Kingdom)

The influence of Body Mass Index on functional outcomes after total hip replacement via the mini-posterior approach.  
 Authors: Dawson-Bowling, Sebastian / Miles, Kim / East, Debra / Willmott, Henry / Apthorp, Hugh / Jha, Shilpa  
 Speaker: Jha, Shilpa (United Kingdom)

Blood perfusion and bone formation before and after minimally invasive periacetabular osteotomy analysed PET combined with CT  
 Authors: Mechlenburg, Inger / Søballe, Kjeld / Hermansen, Flemming / Thillemann, Theis  
 Speaker: Mechlenburg, Inger (Denmark)

Experimental animal model of alcohol-induced osteonecrosis of femoral head by chronic ethanol consumption  
 Authors: Okazaki, Shunichiro / Nagoya, Satoshi / Tateda, Kenji / Katada, Ryuichi / Mizuo, Keisuke / Watanabe, Satoshi / Yamashita, Toshihiko / Matsumoto, Hiroshi  
 Speaker: Okazaki, Shunichiro (Japan)

Switching from enoxaparin to dabigatran etexilate: Pharmacokinetics, pharmacodynamics and safety profile  
 Authors: Feuring, Martin / Sennewald, Regina / Yamamura, Norio / Härtter, Sebastian / Clemens, Andreas  
 Speaker: Feuring, Martin (Germany)

Pelvic discontinuity and massive proximal femoral bone loss managed using staged acetabular reconstruction and proximal femoral replacement in a young patient  
 Authors: McArthur, John / Makrides, Panos / Beazley, James / Uppal, Harpal / Lawrence, Trevor  
 Speaker: McArthur, John (United Kingdom)

**Foot/ankle/leg**

**FREE PAPER THE FOOT AT RISK Room: Hall 9**

**Moderators: Besse, Jean-Luc (France), Delmi, Marino (Switzerland)**

Infections with Pseudomonas Aeruginosa in Chorcot's arthropathy of the foot – the underestimated threat  
 Authors: Budny, Tymoteusz / Buesch, Hans / Wetz, Hans / Runge, Sabrina / Uekoetter, Andreas / Osada, Nani / Illgner, Ulrich  
 Speaker: Illgner, Ulrich (Germany)

Amputation and prosthetics of the foot—a clinical outcome  
 Authors: Wetz, Hans Henning / Budny, Tymoteusz / Horter, Melanie / Illgner, Ulrich / Schüling, Stefan  
 Speaker: Wetz, Hans Henning (Germany)

Reconstructive foot surgery of the Charcot arthropathy. Long-term results  
 Authors: Budny, Tymoteusz / Illgner, Ulrich / Schüling, Stefan / Büsch, Hans-Günther / Daniilidis, Kiriakos / Horter, Melanie / Wetz, Hans Henning  
 Speaker: Budny, Tymoteusz (Germany)

Epidemiology 5th metatarsal fracutes  
 Authors: Yousaf, Sohail / Sakellariou, Anthony / Gill, Ian / Farook, Mohamed Zubair  
 Speaker: Farook, Mohamed Zubair (United Kingdom)

Retrospective comparative study of operative Hammertoe treatments  
 Authors: Sung, Wenjay / Weil, Jr, Lowell / Weil, Sr, Lowell  
 Speaker: Sung, Wenjay (United States)

08:00 – 09:00

Management of ingrowing toenails: A parallel study  
 Authors: Hartley, E / Lashari, S / Pastides, Philip / Mitra, Aweek  
 Speaker: Mitra, Aweek (United Kingdom)

Sports/knee soft-tissue

FREE PAPER ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION Room: Hall 10

Moderators: Georgoulis, Anastasios (Greece), Doral, Mahmut (Turkey)

Effects of suture choice on biomechanics and physal status after bio-enhanced ACL repair-  
 A large animal study

Authors: Vavken, Patrick / Fleming, Braden / Machan, Jason / Murray, Martha  
 Speaker: Vavken, Patrick (United States)

Osteoarthritis after Anterior Cruciate Ligament reconstruction

Authors: Claes, Steven / Hermie, Laurens / Verdonk, René / Bellemans, Johan / Verdonk, Peter  
 Speaker: Claes, Steven (Belgium)

Computer-assisted navigation for ACL reconstruction: A comparative study between the performance  
 of the femoral tunnel in a transtibial or anteromedial way

Authors: Cortina, Josep / Minguell Monyart, Joan / Castellet Feliu, Enric / Carrera Calderer, Lluís / Garcia G Fontecha, César / Nardi Vilardaga, Joan / Cáceres Palou, Enric  
 Speaker: Cortina, Josep (Spain)

Femoral tunnel widening after ACL-reconstruction with hamstrings by using autologous platelet factors:  
 A study with MRI in 40 patients

Authors: Staratzis, Konstantinos / Koulalis, Dimitrios / Stavropoulos, Nikolaos / Markopoulos, Christos / Karaliotas, Georgios / Papagelopoulos, Panayiotis / Mastrokalos, Dimitrios  
 Speaker: Mastrokalos, Dimitrios (Greece)

Normal values of C-reactive protein after anterior cruciate ligament reconstruction.  
 An epidemiologic study in 100 patients

Authors: Cebreiro Martinez del Val, Ignacio / Gómez Santos, Helena / Sanchez Ruas, Jaime / Aranda, Fernando / Gutierrez Gomez, Juan / Ruiz Iban, Miguel / Diaz Heredia, Jorge  
 Speaker: Cebreiro Martinez del Val, Ignacio (Spain)

Double bundle ACL surgery produces a better clinical result by affecting the tunnel widening

Authors: Elabjer, Esmat / Moser, Carsten / Cuti, Tomislav / Darabos, Nikica / Haspl, Miroslav / Trsek, Denis  
 Speaker: Darabos, Nikica (Croatia)

Hip

FREE PAPER HIP: FEMORAL HEAD NECROSIS AND BONE REMODELLING Room: Sydney

Moderators: Santori, Nicola (Italy), Chen, Xiaodong (China)

Multiple drilling compared with standard core decompression for avascular necrosis of the femoral head  
 in sickle cell disease patients

Authors: Alomran, Abdullah  
 Speaker: Alomran, Abdullah (Saudi Arabia)

Articular collapse and surgical frequency in corticosteroid-associated osteonecrosis of the femoral head  
 and the knee – an MRI prospective study-

Authors: Kishida, Shunji / Shigemura, Tomonori / Nakamura, Junichi / Takeshita, Munenori / Harada, Yoshitada / Takahashi, Kazuhisa  
 Speaker: Shigemura, Tomonori (Japan)

The cross over sign is not a reliable diagnostic measure for the assessment of acetabular retroversion

Authors: Heller, Markus / Perka, Carsten / Wassilew, Georgi I  
 Speaker: Wassilew, Georgi (Germany)

Early changes in periacetabular bone metabolism after revision surgery. A PET study

Authors: Beuthien-Baumann, Bettina / Günther, Klaus-Peter / Bernstein, Peter / Zessin, Jörg  
 Speaker: Bernstein, Peter (Germany)

The outcome of varus implantation of a polished triple tapered femoral stem

Authors: Sochart, David  
Speaker: Sochart, David (United Kingdom)

Hip joint loading during walking with crutches

Authors: Damm, Philipp / Dymke, Jörn / Bender, Alwina / Halder, Andreas / Beier, Alexander / Graichen, Friedmar / Bergmann, Georg  
Speaker: Damm, Philipp (Germany)

## AO Spine



### Spine

#### SPECIALTY SESSION

#### CERVICAL SPINE AND TREATMENT ALGORITHMS

Room: Madrid

Moderator: Schnake, Klaus (Germany)

Cervical spine trauma

Speaker: Öner, Cumhur (The Netherlands)

Degenerative cervical spine

Speaker: Schaeren, Stefan (Switzerland)

Complications / tips and tricks

Speaker: Schnake, Klaus (Germany)

### Tribology

#### FREE PAPER

#### POLYETHYLEN WEAR IN TOTAL HIP REPLACEMENT

Room: Istanbul

Moderators: Malchau, Henrik (United States), De Steiger, Richard (Australia)

Wear evaluation of sequentially crosslinked UHMWPE when subjected to metal debris

Authors: Longaray, Jason / Lee, Reginald / Wang, Aiguo / Essner, Aaron / Herrera, Lizeth / Streicher, Robert  
Speaker: Herrera, Lizeth (United States)

Wear comparison of a two modular hip bearings: Mobile vs. fixed

Authors: Loving, Laquawn / Herrera, Lizeth / Essner, Aaron / Nevelos, Jim  
Speaker: Herrera, Lizeth (Belgium)

Do RSA measurements of acetabular cup stability and polyethylene wear improve by adding tantalum beads to the liner?

Authors: Nebergall, Audrey / Palm, Henrik / Bragdon, Charles / Malchau, Henrik / Greene, Meredith  
Speaker: Nebergall, Audrey (United States)

Long-term effect of patient's activity upon wear in THR

Authors: Finn, Alexandra / Mahlmeister, Frank / Martell, John / Hendrich, Christian  
Speaker: Finn, Alexandra (Germany)

The 10 year outcome of highly cross linked polyethylene bearing surfaces in primary conventional total hip replacements: Analysis of over 84,000 procedures

Authors: De Steiger, Richard / Cashman, Kara / Davidson, David / Graves, Stephen  
Speaker: De Steiger, Richard (Australia)

New polyethylenes in total hip replacement. A 10-12 follow-up study

Authors: García-Rey, Eduardo / Cruz-Pardos, Ana / Garcia-Cimbrello, Eduardo  
Speaker: Garcia-Rey, Eduardo (Spain)

Ten year wear data on a first-generation highly cross-linked polyethylene liner in young and active patients

Authors: Nawabi, Danyal H. / Lendhey, Matin / Meftah, Morteza / Ranawat, Amar / Ranawat, Chitranjan  
Speaker: Nawabi, Danyal H. (United States)

Three year RSA evaluation of the wear of vitamin E stabilized highly cross-linked polyethylene, the stability of Regenerex™ acetabular shells and femoral components with 32mm heads

Authors: Bragdon, Charles / Kwon, Young-Min / Rubash, Harry / Malchau, Henrik / Greene, Meredith  
Speaker: Greene, Meredith (United States)

08:00 – 09:00

20-years follow-up, survival and wear analysis of the ABG-I, a first generation hydroxyapatite coated total hip system

Authors: Heyligers, Ide / Tonino, Alfons / Grimm, Bernhard  
Speaker: Grimm, Bernhard (Netherlands)

Can wear debris from hip arthroplasty manifest as thromboembolic phenomena?

Authors: Akrawi, Hawar / Dunlop, Douglas  
Speaker: Akrawi, Hawar (United Kingdom)

Fracture of the modular neck with the LIMA THR system

Authors: Ratahi, Erin / Inglis, Tom / Farrington, Bill  
Speaker: Farrington, Bill (New Zealand)

## Spine

FREE PAPER

TRAUMA & MISCELLANEOUS I

Room: Sauerbruch

Moderators: Aydingöz, Önder (Turkey), Blattert, Thomas (Germany)

Spinal shock in spinal cord injuries – is duration of shock related to neurological level?

Authors: Srivastava, Rajeshwar / Arya, Sanjeeve  
Speaker: Srivastava, Rajeshwar (India)

MRI in spinal trauma – a predictor of neurological recovery

Authors: Parasri, Umesh / Srivastava, Rajeshwar / Raj, Saloni  
Speaker: Srivastava, Rajeshwar (India)

Motor segmental recovery in spinal cord injury – a blessing in disguise!

Authors: Srivastava, Rajeshwar  
Speaker: Srivastava, Rajeshwar (India)

Value of decompression surgery in a setting of acute cervical spinal cord injury

Authors: Rerikh, Victor / Sadovoy, Mikhail / Demyanchuk, Alexey  
Speaker: Demyanchuk, Alexey (Russian Federation)

Fusion rate of different anterior bone grafts in thoraco-lumbar fractures

Authors: Steib, Jean Paul / Antoni, Maxime / Charles, Yann Philippe / Walter, Axel  
Speaker: Antoni, Maxime (France)

Spinal fractures in road traffic accidents: A 10 year retrospective review

Authors: Clement, Nicholas / Zammit Maempel, Frederick / Maempel, Julian  
Speaker: Maempel, Julian (United Kingdom)

## Knee osseous

INSTRUCTIONAL  
LECTURE

TREATMENT OF OSTEONECROSIS OF THE KNEE

Room: Hongkong

Moderator: Benazzo, Francesco (Italy)

Speaker: Beyzadeoglu, Tahsin (Turkey)

08:00 – 12:15

## Hip

EXMEX

PERIPROSTHETIC FRACTURES AROUND THE HIP AND KNEE

Room: Hall 8

Moderator: Macheras, George (Greece)

Epidemiology and classification of periprosthetic femoral fractures around THAs and TKAs

Speaker: Kärrholm, Johan (Sweden)

Treatment of Vancouver B1 fractures: MIPO locking biological plating and the case for revision to a long stem

Speaker: Tsiroidis, Elefterios (Greece)

Treatment of Vancouver B2 and B3 fractures: Long cemented or uncemented stems

Speaker: Perka, Carsten (Germany)

08:00 – 12:15

Proximal or total femoral replacement in case of periprosthetic fractures and revision arthroplasty  
Speaker: Wirtz, Dieter (Germany)

Treatment of Rorabeck type 1 and 2 fractures: Locking polyaxial plates and supracondylar nails  
Speaker: Skinner, John (United Kingdom)

Treatment of Rorabeck type 3 fractures: Revision knee arthroplasty and the case of patellar fracture  
Speaker: Bégué, Thierry (France)

Is there any evidence on how to treat best periprosthetic fractures?  
Speaker: Marega, Luca (Italy)

09:00 – 13:00

General education

WORKSHOP

SPEAKER COACHING WORKSHOP

Room: Koch

Moderator: Cole, Angela

An opportunity for experienced speakers to reassess their oral presentation style and improve their impact on their audience.  
Registration required.

09:15 – 10:45

Trauma lower limb

FREE PAPER

FEMORAL NECK FRACTURE

Room: Stockholm

Moderators: Bel, Jean-Christophe (France), Goost, Hans (Germany)

The Nottingham hip fracture score as a predictor of mortality: An independent validation study  
Authors: Shoukrey, Karim / Wheeler, Dan / Griffiths, Richard / Parker, Martyn / Bowers, Thomas  
Speaker: Bowers, Thomas (United Kingdom)

Early femoral neck fracture fixation is associated with a better patients' survival rate  
Authors: Steinberg, Ely / Sternheim, Amir / Kadar, Assaf / Salai, Moshe / Chechik, Ofir  
Speaker: Steinberg, Ely (Israel)

In response to NICE - early surgery in hip fracture patients improves survival  
Authors: Uzoigwe, Chika / Young, Peter / Bigsby, Ewan / Middleton, Rory / Burnand, Henry  
Speaker: Burnand, Henry (United Kingdom)

Selected within the best Free Papers

The 'Best Practice Tariff' for hip fractures: A tertiary hospital's one-year experience  
Authors: Weusten, Axel / Bonczek, Sandra / Khan, Sameer / Port, Andrew  
Speaker: Khan, Sameer (United Kingdom)

Trial reduction for hemiarthroplasty of hip - is it important?  
Authors: Moideen, Abdul Nazeer / Ved, Abhimanyu / Paringe, Vishal / Donaldson, Oliver / Mohanty, Khitish / O'Doherty, Declan  
Speaker: Ved, Abhimanyu (United Kingdom)

Fracture neck of femur, morbidity and mortality in 9th decade  
Authors: Salam, Mahmoud / Kidby, Terina / Babu Madegowda, Raghavendra  
Speaker: Madegowda, Raghavendra (United Kingdom)

An attempt to minimize overbooking of fracture clinic by reviewing A&E referrals  
Authors: Blanckley, Sharon / Dahab, Raef  
Speaker: Dahab, Raef (United Kingdom)

In-hospital mortality following hip fracture- before and after orthogeriatrics  
Authors: Lindestrand, Anna / Carson, Claes / Jørgensen, Henrik L. / Duus, Benn / Van der Mark, Susanne  
Speaker: Lindestrand, Anna (Denmark)

Sernbo score predicts mortality after intracapsular hip fracture  
Authors: Lindisfarne, Edward A. / Dawe, Edward J. C. / Stott, Philip / McFadyen, Iain / Singh, Talvinder  
Speaker: Dawe, Edward J. C. (United Kingdom)

Selected within the best Free Papers

09:15 – 10:45

**Hip**

**SYMPOSIUM**    **CEMENTED TOTAL HIP ARTHROPLASTY – A PROVEN BUT FORGOTTEN CONCEPT?**    **Room: Hall 3**  
**Moderator: Kjærsgaard-Andersen, Per (Denmark)**

Acetabular cementing in primary total hip replacement  
 Speaker: Schreurs, Willem (The Netherlands)

Femoral cementing in primary total hip replacement  
 Speaker: Howell, Jonathan (United Kingdom)

Cemented versus non-cemented total hip replacement  
 Speaker: Overgaard, Søren (Denmark)

Panel discussion

**Polytrauma/pelvis**

**SYMPOSIUM**    **IMAGING AND NAVIGATION IN FRACTURE TREATMENT**    **Room: Hall 4/5**  
**Moderator: Gebhard, Florian (Germany)**

2D3D Imaging - what's new  
 Speaker: Grützner, Paul Alfred (Germany)

PreOP planning - needs for imaging  
 Speaker: Stöckle, Ulrich (Germany)

Surgery in 3D - CMF  
 Speaker: Schramm, Alexander (Germany)

Clinical application in trauma surgery  
 Speaker: Frank, Martin (Czech Republic)

Precision in spine  
 Speaker: Raftopoulos, Christian (Belgium)

Hybrid OR - the future  
 Speaker: Gebhard, Florian (Germany)

**Infection**

**CCD**    **THE POSTTRAUMATIC INFECTION**    **Room: Hall 6**  
**Moderator: Borens, Olivier (Switzerland)**

Infection after IM nailing  
 Speaker: Von Stein, Thomas (Germany)

Acute infection after fracture  
 Speaker: Trampuž, Andrej (Switzerland)

Chronic infection after fracture  
 Speaker: Winkler, Heinz (Austria)

**General education**

**SYMPOSIUM**    **STATISTICAL ANALYSIS IN ORTHOPAEDIC CLINICAL STUDIES**    **Room: Hall 7**  
**Moderator: Lübbecke-Wolff, Anne (Switzerland)**

Introduction and types of studies  
 Speaker: Jolles-Haeberli, Brigitte (Switzerland)

Types of data, simple tests, confidence intervals and p-values  
 Speaker: Petrie, Aviva (United Kingdom)

Sample size, regressions and survival analysis  
 Speaker: Biau, David (France)



Friday  
25 May

09:15 - 10:45

Systematic errors: Bias and confounding, and clinically significant differences  
Speaker: Lübbeke-Wolff, Anne (Switzerland)

## EFAS – European Foot and Ankle Society



### Foot/ankle/leg

**SPECIALTY SESSION** **SPORT INJURIES AROUND THE ANKLE JOINT – EVIDENCE BASED MANAGEMENT** Room: Hall 9  
Moderator: Delmi, Marino (Switzerland)

Ligament injury

Speaker: Ochman, Sabine (Germany)

Peroneal tendon tears and dislocation

Speaker: Espinosa, Norman (Switzerland)

Achillodynia – insertional / non-insertional

Speaker: Redfern, David (United Kingdom)

Osteochondral lesions

Speaker: Richter, Martinus (Germany)

Discussion

### Osteoporosis

**SYMPOSIUM** **FRAGILITY FRACTURES AROUND THE KNEE** Room: Hall 10  
Moderator: Mutschler, Wolf (Germany)

Nailing or plating in distal femur fragility fractures - tips, tricks and pitfalls

Speaker: Marzi, Ingo (Germany)

Is the treatment of proximal tibial fractures different in elderly patients?

Speaker: Nijs, Stefaan (Belgium)

Patella fractures - the neglected injury

Speaker: Mutschler, Wolf (Germany)

What is the role of primary arthroplasty in fragility fractures around the knee?

Speaker: Schwarz, Nikolaus (Austria)

### Pain Control/rehabilitation and non-surgical management

**SYMPOSIUM** **MINIMAL INVASIVE PAIN TREATMENT** Room: Sydney  
Moderator: Schott, Cordelia (Germany)

Vertebro/Kopoplasty - indications and limitations

Speaker: Jerosch, Jörg (Germany)

The epidural infiltration of the lumbar spine

Speaker: Krämer, Robert (Spain)

Treatment of discogenic pain by IDET (Intradiscal Electrothermal Therapy)

Speaker: Legat, Martin (Switzerland)

FRIDAY  
25 MAY



<b>Spine</b>		
<b>SPECIALTY SESSION</b>	<b>SPONDYLOLYSIS AND SPONDYLOLISTHESIS</b>	<b>Room: Madrid</b>
	Moderator: Berk, Haluk (Turkey)	
	Spondylolysis: Pathoanatomy and diagnostic procedures Speaker: Berk, Haluk (Turkey)	
	Low grade spondylolisthesis Speaker: Liljenqvist, Ulf (Germany)	
	High Grade spondylolisthesis Speaker: Roussouly, Pierre (France)	
	Degenerative spondylolisthesis Speaker: Le Huec, Jean-Charles (France)	
<b>Tribology</b>		
<b>SYMPOSIUM</b>	<b>LARGE DIAMETER HEADS: RISK/BENEFIT?</b>	<b>Room: Istanbul</b>
	Moderator: Tranquilli Leali, Paolo (Italy)	
	Metal/metal large heads: Clinical aspects Speaker: Tranquilli Leali, Paolo (Italy)	
	Non conforming bearings Speaker: Fisher, John (United Kingdom)	
	Conforming bearings Speaker: Streicher, Robert (Switzerland)	
	New poly and large heads: Clinical aspects Speaker: Garcia-Rey, Eduardo (Spain)	
<b>Shoulder/elbow, arm/forearm</b>		
<b>FREE PAPER</b>	<b>TOTAL SHOULDER ARTHROPLASTY</b>	<b>Room: Oslo</b>
	Moderators: Jost, Bernhard (Switzerland), Thélu, Charles-Edouard (France)	
	Mid-term outcomes of reverse total shoulder arthroplasty with glenospheres of different materials, designs and diameters Authors: Bloch, Hans-Rudolf Speaker: Bloch, Hans-Rudolf (Germany)	
	Reverse total shoulder arthroplasty: A two-year follow-up study of 164 consecutive patients Authors: Joudet, Thierry / Kääh, Max / Kohut, Georges / Proust, Jérôme / Irlenbusch, Ulrich / Reuther, Falk Speaker: Reuther, Falk (Germany)	
	A radiographic analysis of 100 uncemented reverse shoulder arthroplasties from 2000 to 2011 Authors: Kumar, Vinod / Fairbairn, K Julia / Johnson, Garth / Wallace, W Angus Speaker: Wallace, W Angus (United Kingdom)	
	Reverse shoulder radiographic analysis and recommendations to avoid scapular notching Authors: Wright, Thomas / Grey, Sean / Jones, Richard / Routman, Howard / Gilot, Greg / Zuckerman, Joe / Roche, Chris / Flurin, Pierre Henri Speaker: Flurin, Pierre Henri (France)	
	Predictor of scapular notching in patients managed with a reverse shoulder arthroplasty Authors: Bigorre, Nicolas / Hubert, Laurent / Lancigu, Romain / Bizot, Pascal Speaker: Bigorre, Nicolas (France)	

Effect of increased offset on function specific moment arms and muscle length after reverse shoulder arthroplasty  
 Authors: Herrmann, Sebastian / Greiner, Stefan / Perka, Carsten / König, Christian  
 Speaker: Herrmann, Sebastian (Germany)

Five year clinical outcomes in cemented versus uncemented humeral stems - a post-marketing surveillance study of the bigliani-flatow shoulder prosthesis  
 Authors: Xypnitos, Fragkiskos / Rangan, Amar / McBirnie, JM / Siebert, Werner / Hauenstein, C / Philips, C / Weusten, Axel  
 Speaker: Weusten, Axel (United Kingdom)

Intra-articular intra-operative gentamicin injection to prevent post-operative shoulder arthroplasty infection  
 Authors: Adib Hadji Bagheri, Farshad / Donovan, Skye / Owuso-Forfie, Afia / Minnock, Christopher / Lovallo, Jeffrey  
 Speaker: Adib Hadji Bagheri, Farshad (United States)

Risk factors for early revision after shoulder arthroplasty: 7113 shoulder arthroplasties from the Australian Orthopaedic Association National Joint Replacement Registry  
 Authors: Khan, Lukman / Page, Richard / Miller, Lisa / Graves, Stephen / Davidson, David  
 Speaker: Khan, Lukman (United Kingdom)

### Pain Control/rehabilitation and non-surgical management

FREE PAPER

**PAIN IN KNEE OSTEOARTHRISIS: TREATMENT BEFORE, DURING AND AFTER JOINT REPLACEMENT**

Room: Sauerbruch

**Moderators: Theiler, Robert (Switzerland), Heller, Karl-Dieter (Germany)**

Postoperative pain relief and functional outcome following total knee replacement - a prospective comparative study

Authors: Senevirathna, Shanaka / Chong, Mark / Mayne, David / Kashyap, Shankar / Rajeev, Aysha  
 Speaker: Rajeev, Aysha (United Kingdom)

A pilot study of the opiate requirements within the first 48 hours after total joint arthroplasty using continuous or bolus joint infiltration with local anaesthetic  
 Authors: McMurray, David / Stone, Martin / Kimpson, Peter / Freeman, Jonathan  
 Speaker: Stone, Martin (United Kingdom)

Enhancing post operative rehabilitation using a new cooling appliance in knee arthroplasty patients  
 Authors: Barrett, Matthew / Garrett, Simon / Mumith, Aadil  
 Speaker: Mumith, Aadil (United Kingdom)

Periarticular injection with bupivacaine for post-operative pain control in total knee replacement: A prospective randomized double-blind controlled trial  
 Authors: Chareancholvanich, Keerati / Pornrattanamaneewong, Chaturong / Chinachoti, Thitima / Yuenyongviwat, Varah  
 Speaker: Chareancholvanich, Keerati (Thailand)

Conservative multidisciplinary treatment in patients with persistent pain after total hip and knee replacement  
 Authors: Brendle, Stephanie / Wang, Haili / Streit, Marcus / Gotterbarm, Tobias / Schiltenswolf, Marcus / Merle, Christian  
 Speaker: Merle, Christian (Germany)

Safety, efficacy and functional outcome of patients treated with viscosupplementation for OA of knees. - A study of 4400 patients  
 Authors: Raman, Raghu / Shaw, Christopher / Sivasankaran, Karthik Shankar / Sharma, Hemant / Johnson, Geoffrey / Dutta, Arup  
 Speaker: Raman, Raghu (United Kingdom)

Physical activity after total hip and knee arthroplasty: Guidelines based on a survey among Dutch orthopedic surgeons  
 Authors: Stevens, Martin / Reininga, Inge / Bulstra, Sjoerd / Wagenmakers, Robert / Van den Akker-Scheek, Inge  
 Speaker: Stevens, Martin (Netherlands)

How much does depression influence pain perception after total knee replacement?  
 Authors: Bistolfi, Alessandro / Massazza, Giuseppe / Bettoni, Elisa / Milani, Patrizia / Crova, Maurizio  
 Speaker: Bistolfi, Alessandro (Italy)

09:15 – 10:45

**Knee osseous**

**SYMPOSIUM**      **KNEE ARTHOPLASTY IN SPECIAL CASES**      **Room: Hongkong**  
**Moderator: Baldini, Andrea (Italy)**

Introduction

Speaker: Baldini, Andrea (Italy)

The post-traumatic knee: Finding the guidelines

Speaker: Benazzo, Francesco (Italy)

The stiff knee: How flexion can be achieved?

Speaker: Halder, Andreas (Germany)

Severe valgus and varus deformity: Back to the normal

Speaker: Neyret, Philippe (France)

Flexion contracture and recurvatum knee

Speaker: Ware, Howard (United Kingdom)

How to deal with extra-articular deformities

Speaker: Baldini, Andrea (Italy)

Discussion

11:15 – 12:15

**Trauma lower limb**

**FREE PAPER**      **INTERTROCHANTERIC FRACTURES II**      **Room: Stockholm**  
**Moderators: Biberthaler, Peter (Germany), Schaser, Klaus-Dieter (Germany)**

Biomechanical comparison of the DHS-Blade® vs. PFN-A® in unstable medial femoral neck fracture model

Authors: Röderer, Götz / Krischak, Gert / Gebhard, Florian / Claes, Lutz  
 Speaker: Röderer, Götz (Germany)

Sliding hip screw vs. intramedullary nail in intertrochanteric (AO/OTA type A3) and subtrochanteric fractures  
 A register based study on 2716 patients in the Norwegian Hip Fracture Register

Authors: Havelin, Leif / Gjertsen, Jan Erik / Vinje, Tarjei / Fevang, Jonas / Matre, Kjell  
 Speaker: Matre, Kjell (Norway)

Cephalomedullary nail versus sliding hip screw for the fixation of unstable intertrochanteric fractures  
 in elderly patients: A comparison of ambulatory outcomes

Authors: Kwek, Ernest Beng Kee / Rajamoney, Ganesan Naidu / Chua, Ivan Tjun Huat  
 Speaker: Chua, Ivan Tjun Huat (Singapore)

A Comparative study between percutaneous compression plating and Gamma nail  
 for AO/OTA 31.A1-A2 hip fractures treatment

Authors: Galvez, Jaime / Tenias, Jose Maria / Cano, Isabel / Crespo, Ricardo / Arcas, Alvaro / Crespo, Eusebio  
 Speaker: Crespo, Eusebio (Spain)

Better radiographic and mobility outcomes using the expandable proximal femoral nail in the treatment  
 of hip fractures – a randomized controlled trial

Authors: Chechik, Ofir / Khashan, Morsi / Amar, Eyal / Pritsch, Tamir / Gigi, Roy / Steinberg, Ely  
 Speaker: Chechik, Ofir (Israel)

Significance of tip apex distance & screw placement in the femoral head for cut-out  
 of intramedullary hip screw device

Authors: Senevirathna, Shanaka / Siddiqui, Bobby / Rajeev, Aysha / Kakkar, Rahul / Loughead, Jonathan  
 Speaker: Senevirathna, Shanaka (United Kingdom)

11:15 - 12:15

Hip

FREE PAPER TOTAL HIP ARTHROPLASTY Room: Hall 3

Moderators: Märtson, Äare (Estonia), Zagra, Luigi (Italy)

How far should we ream for cementless acetabular reconstruction in THA?

Authors: Merle, Christian / Murray, David / Pandit, Hemant / Pegg, Elise / Aldinger, Peter / Waldstein, Wenzel / Grammatopoulos, George / De Smet, Koen  
Speaker: Gill, Harinderjit (Greece)

Acetabular cup position appears to depend on choice of approach and use of per-operative fluoroscopy

Authors: Greene, Meridith / Nebergall, Audrey / Emerson, Roger / Huddleston, James / Gebuhr, Peter / Malchau, Henrik / Palm, Henrik  
Speaker: Palm, Henrik (Denmark)

The use of the transverse acetabular ligament for cup positioning. A randomised controlled trial

Authors: Meermans, Geert / Kats, Janjaap / Van Doorn, Jacco  
Speaker: Meermans, Geert (Belgium)

Cup positioning in total hip arthroplasty: Computer assisted analysis of the Acetabular entry plane

Authors: Mendel, Thomas / Noser, Hansrudi / Delank, Karl-Stefan / Radetzki, Florian / Wohlrab, David  
Speaker: Radetzki, Florian (Germany)

Image-free computer-assisted femoral component positioning in hip resurfacing - a randomized prospective study

Authors: Goronzy, Jens / Krummenauer, Frank / Günther, Klaus-Peter / Stiehler, Maik  
Speaker: Goronzy, Jens (Germany)

Three dimensional delayed Gadolinium Enhanced Magnetic Resonance Imaging of hip joint cartilage at 3 T: A prospective controlled study

Authors: Miese, Falk / Hosalkar, Harish / Antoch, Gerald / Krauspe, Rüdiger / Bittersohl, Bernd / Zilkens, Christoph  
Speaker: Zilkens, Christoph (Germany)

Knee osseous

INSTRUCTIONAL LECTURE PATELLAR FRACTURE AND DISLOCATION Room: Hall 4/5

Moderator: Neyret, Philippe (France)

Speaker: Bel, Jean-Christophe (France)

Hip

CROSS-FIRE-DISCUSSION HIP REPLACEMENT: CEMENTED VS. NON-CEMENTED STEMS Room: Hall 6

Moderator: Günther, Klaus-Peter (Germany)

Pro cement

Speaker: Kärrholm, Johan (Sweden)

Pro cementless

Speaker: Windhager, Reinhard (Austria)

Hip

FREE PAPER HIP REPLACEMENT: BLEEDING AND PREVENTION Room: Hall 7

Moderators: Gravius, Sascha (Germany), Argenson, Jean-Noël (France)

Effect of tranexamic acid in total hip arthroplasty with a minimal invasive anterior approach

Authors: Bucher, Xandi / Pannhorst, Silke / Clauss, Martin / Barg, Alexej / Ilchmann, Thomas  
Speaker: Bucher, Xandi (Switzerland)

Antiplatelet agents and trochanteric fractures of the femur -Safety and validity of early operation-

Authors: Cho, Young-Ho / Byun, Young-Soo  
Speaker: Cho, Young-Ho (Korea, Republic Of)

11:15 – 12:15

Oral versus intravenous Tranexamic Acid in reducing transfusion requirements in primary hip and knee arthroplasty

Authors: Tate, Rosie / Irwin, Alistair / Holmes, Rachel / Copeland, Carmel / Reed, Mike

Speaker: Irwin, Alistair (United Kingdom)

Topical use of tranexamic acid in hip replacements: Results of a double blind study

Authors: Alshryda, Sattar / Vaghela, Manesh / Cooke, Nick / Sarda, Praveen / Tank, Ghanshyam / Tulloch, Chris / Nargol, Antoni

Speaker: Tank, Ghanshyam (United Kingdom)

The risk of blood transfusion in two-stage bilateral total hip arthroplasty

Authors: Meermans, Geert / Corten, Kristoff / Simon, Jean-Pierre

Speaker: Meermans, Geert (Belgium)

Blood transfusion trends in peri-acetabular (PAO) osteotomy in young adult hips

Authors: James, Christopher / Carter, Alison / Hasan, Kamrul / Wong, Fabian / Shah, Zameer / Bankes, Marcus

Speaker: Hasan, Kamrul (United Kingdom)

### Foot/ankle/leg

FREE PAPER

ANKLE: PROSTHESIS / ARTHRODESIS

Room: Hall 9

Moderators: Calori, Giorgio Maria (Italy), Ciritsis, Bernard (Switzerland)

Total ankle replacement in the diabetic population

Authors: Pinsker, Ellie / Khan, Ryan / Daniels, Tim / Reichert, Ines

Speaker: Reichert, Ines (United Kingdom)

Management of periprosthetic fractures after total ankle replacement

Authors: Manegold, Sebastian / Springer, Alexander / Tsitsilonis, Serafeim / Haas, Norbert

Speaker: Manegold, Sebastian (Germany)

Autologous Matrix - Induced Chondrogenesis (AMIC) for reconstruction of osteochondral lesions of the talus

Authors: Wiewiorski, Martin / Miska, Matthias / Valderrabano, Victor

Speaker: Wiewiorski, Martin (Switzerland)

The Zenith: A new total ankle replacement - first report of early survivorship and radiographic assessment of alignment

Authors: McKenzie, James / Martin, Brian / Winson, Ian / Hughes, Adrian

Speaker: McKenzie, James (United Kingdom)

Tibiototalcalcaneal arthrodesis with a dynamically locked straight retrograde intramedullary nailing

Authors: Bagouri, Elmunzar / Swamy, Girish / Kothari, Paresb

Speaker: Bagouri, Elmunzar (United Kingdom)

Ilizarov ankle arthrodesis: A salvage procedure for complex ankle problems

Authors: Bose, Deepa / Aslam, Nadeem / Stubbs, David / McNally, Martin / Kugan, Raj

Speaker: Kugan, Raj (United Kingdom)

### Osteoporosis

FREE PAPER

OSTEOPOROSIS, FRAGILITY FRACTURES AND SECONDARY PREVENTION

Room: Hall 10

Moderators: Åkesson, Kristina (Sweden), Kurth, Andreas (Germany)

Cortical-Marrow ratio: A revised method to detect low bone mineral density in plain x-rays of the hip

Authors: Viberg, Bjarke / Harbo, Frederik / Lauritsen, Jens / Overgaard, Søren / Ovesen, Ole / Ryg, Jesper

Speaker: Viberg, Bjarke (Denmark)

A long-term follow up of hip fracture patients in southeastern Finland. Analysis of survival and prior or subsequent fractures in 221 patients

Authors: Lühje, Peter / Helkamaa, Teemu / Kaukonen, Juha-Pekka / Nurmi-Lühje, Ilona / Kataja, Matti

Speaker: Lühje, Peter (Finland)

Modifiable factors affecting survival upon discharge following a fragility hip fracture

Authors: Ojeda-Thies, Cristina / Gil-Garay, Enrique / Macho-Pérez, Oscar / Bohórquez-Heras, Cristina / Torrijos-Eslava, Antonio

Speaker: Ojeda-Thies, Cristina (Spain)

11:15 – 12:15

Recommendations for secondary prevention in patients with proximal femoral fracture and implementation of prevention by general practitioners after surgical treatment and discharge from hospital

Authors: Vaculik, Jan / Dungal, Pavel / Štěpán, Jan / Magerický, Štěpán  
Speaker: Vaculik, Jan (Czech Republic)

Secondary prevention for osteoporosis in orthopaedic departments across England – evaluation of the fracture liaison service

Authors: Mills, Simon / Charalambous, Charalambos  
Speaker: Mills, Simon (United Kingdom)

## Spine

FREE PAPER

MISCELLANEOUS

Room: Sydney

Moderators: Merloz, Philippe (France), Elsig, Jean Pierre (Switzerland)

The use of OP-1 (rhBMP-7) in paediatric patients affected by symptomatic grade I isthmic spondylolisthesis: A 7-years follow-up study

Authors: La Rosa, Guido / Oggiano, Leonardo  
Speaker: La Rosa, Guido (Italy)

Experience of a fellowship in spinal surgery: A quantitative analysis

Authors: Konczalik, Wojciech / Elsayed, Sherief / Boszczyk, Broniek  
Speaker: Konczalik, Wojciech (United Kingdom)

Prognostic factors for determining survival in patients operated for metastatic epidural spinal cord compression

Authors: Bollen, Laurens / De Ruiter, Godard / Arts, Mark / Pondaag, Willem / Peul, Wilco / Dijkstra, Sander  
Speaker: Bollen, Laurens (Netherlands)

Vertebral augmentation with an innovative reinforcement system

Authors: Korovessis, Panagiotis / Bouras, Theodoros / Repantis, Thomas  
Speaker: Korovessis, Panagiotis (Greece)

Ballon kyphoplasty for patients with multiple myeloma in the spine. A ten years experience of our clinic

Authors: Tannus, Ziad / Klonos, Georgios / Papoutsopoulou, Eleni / Alpantaki, Kalliopi / Katonis, Pavlos / Lykoudis, Savvas  
Speaker: Lykoudis, Savvas (Greece)

Rare occurrence of vertebral artery pseudoaneurysms secondary to cervical vertebral fracture

Authors: Rao, Prabhakar / Ahuja, Sashin / Paringe, Vishal / Ghatahora, Ameet  
Speaker: Ghatahora, Ameet (United Kingdom)

Severe cervical vertebral body hypoplasia in the first European case of Serpentine-like Syndrome

Authors: Eames, N / McCallion, B / Lundy, CT / Bourke, T / McMorrow, A / McConnell, R / Verner, A / Dargan, D  
Speaker: Dargan, D (United Kingdom)

## ISLASS – International Society of Laser Assisted and Percutaneous Procedures in Spinal Surgery



## Spine

SPECIALTY  
SESSION

MINIMALLY INVASIVE APPROACH TO DEGENERATIVE DISC DISEASE

Room: Madrid

Moderator: Menchetti, Pierre Paolo (Italy)

Percutaneous TLIF with an expandable cage combined with percutaneous posterior fixation. A new way to achieve a fusion

Speaker: Morgenstern, Rudolf (Spain)

Minimal invasive surgery posterior fusion with Aspen device. New perspectives and results

Speaker: Menchetti, Pierre Paolo (Italy)

Degenerative lumbar spinal stenosis. Interspinous spacers. Current status

Speaker: Canero, Gianfranco (Italy)

Minimal invasive anterolateral approach to lumbar spine in severe DDD

Speaker: Balsano, Massimo (Italy)

11:15 – 12:15

**Tribology**

FREE PAPER

**CLINICAL DATA RELATED TO HIP TRIBOLOGY**

Room: Istanbul

Moderators: Grimm, Bernhard (The Netherlands), Fisher, John (United Kingdom)



114 revisions Metal-on-Metal (MoM) Total Hip Arthroplasties (THA) with large diameter heads  
Authors: Müller, Tina / Goldau, Gesine / Roessner, Albert / Feuerstein, Bernd / Meyer, Heiko / Lohmann, Christoph  
Speaker: Lohmann, Christoph (Germany)

Prospective comparative study of 3 models Metal-on-Metal large femoral head THA:  
Results and serum metal ions concentration  
Authors: Mertl, Patrice / Lardanchet, Jean François / Arnalsteen, Damien / Taviaux, Jerome / Brunschweiler, Benoit  
Speaker: Mertl, Patrice (France)

Survival of cementless acetabular monobloc cups in the Swedish Hip Arthroplasty Register:  
Evaluation of 210 operations  
Authors: Weiss, Rüdiger / Hailer, Nils / Stark, André / Kärrholm, Johan  
Speaker: Weiss, Rüdiger (Sweden)

Statins may reduce femoral osteolysis in patients with total hip arthroplasty  
Authors: Lübbecke-Wolff, Anne / Garavaglia, Guido / Barea, Christophe / Bonvin, Alexis / Roussos, Constantinos / Hoffmeyer, Pierre  
Speaker: Lübbecke-Wolff, Anne (Switzerland)

Long term stability of ceramic composite in THA  
Authors: Masson, Bernard  
Speaker: Masson, Bernard (France)

A novel method for identification of fractured acetabular ceramic liner in total hip arthroplasty: A case report  
Authors: Foote, Julian / Hargrove, Richard / Shafafy, Roozbeh  
Speaker: Shafafy, Roozbeh (United Kingdom)

**Bone & joint tumours**

FREE PAPER

**SARCOMA IV**

Room: Oslo

Moderators: Pennekamp, Peter (Germany), Szendrői, Miklós (Hungary)

Postoperative radiation therapy for control of myxofibrosarcoma resected with a positive margin  
Authors: Kaya, Mitsunori / Wada, Takuro / Nagoya, Satoshi / Sasaki, Mikito / Soma, Tamotsu / Emori, Makoto / Murahashi, Yasutaka / Mizushima, Emi / Yamashita, Toshihiko  
Speaker: Kaya, Mitsunori (Japan)

Combined effects of the third-generation bisphosphonate and radiation on fibrosarcoma cells  
Authors: Murata, Hiroaki / Sakabe, Tomoya / Matsui, Takaaki / Horie, Naoyuki / Sawai, Yasushi / Kimura, Shinya / Maekawa, Taira / Fushiki, Shinji / Kubo, Toshikazu / Ashihara, Eishi / Koto, Kazutaka  
Speaker: Koto, Kazutaka (Japan)

Impaired wound healing after neoadjuvant radiotherapy and resection of soft tissue sarcomas of the extremities  
Authors: Dürr, Hans / Bakhshai, Yasmin / Rauch, Josefine / Lindner, Lars / Jansson, Volkmar / Baur-Melnyk, Andrea  
Speaker: Bakhshai, Yasmin (Germany)

Analysis of risk factors of local recurrence in soft tissue sarcomas of the limbs  
Authors: Campanacci, Domenico / Frenos, Filippo / Franchi, Alessandro / Caff, Giuseppe / Scoccianti, Guido / Matera, Davide / Capanna, Rodolfo / Beltrami, Giovanni  
Speaker: Beltrami, Giovanni (Italy)

Clinical properties of small soft tissue tumor  
Authors: Mizushima, Emi / Kaya, Mitsunori / Wada, Takuro / Nagoya, Satoshi / Sasaki, Mikito / Soma, Tamotsu / Murahashi, Yasutaka / Yamashita, Toshihiko  
Speaker: Mizushima, Emi (Japan)

Expandable prostheses after resection of bone sarcomas of the femur in growing children:  
Comparative statistical analysis of three different prosthetic systems in the Rizzoli experience  
Authors: Ruggieri, Pietro / Pala, Elisa / Angelini, Andrea / Romantini, Metteo / Manfrini, Marco  
Speaker: Ruggieri, Pietro (Italy)



Friday  
25 May

11:15 – 12:15

Spine

FREE PAPER TRAUMA & MISCELLANEOUS II Room: Sauerbruch

Moderators: Bünger, Cody (Denmark), Berk, Haluk (Turkey)

Chronic Whiplash Syndrome after traffic accidents. No practical impact in quality of life in Greece and Germany  
Authors: Habermann, Bjoern / Karageorgos, Athanasios / Maus, Uwe / Kafchitsas, Konstantinos / Georgiou, Christos / Assimakopoulos, Kostantinos / Saridis, Alkis / Kouzelis, Antonios / Kurth, Andreas / Matzaroglou, Charalampos / Tonak, Marcus  
Speaker: Matzaroglou, Charalampos (Greece)

Comparison of RF-kypoplasty or balloon kypoplasty in treatment of patient with osteoporotic compression fractures  
Authors: Pflugmacher, Robert / Bornemann, Rahel / Deml, Moritz / Müller-Broich, Jacques / Wirtz, Dieter Christian  
Speaker: Pflugmacher, Robert (Germany)

Vertebral body stenting – a new procedure in kypoplasty  
Authors: Chmielnicki, Marc / Prokop, Axel  
Speaker: Prokop, Axel (Germany)

Vertebral body stenting - preliminary clinical results  
Authors: Schultheiss, Markus / Gebhard, Florian / Scola, Alexander  
Speaker: Scola, Alexander (Germany)

Effect of diathermy through microwaves on chronic cervical pain: A clinical trial  
Authors: Andrade-Ortega, Juan A. / Ceron-Fernandez, Encarnacion / Ribeiro-Gonzalez, Maria / Garcia-Llorent, Rosario / Almecija-Ruiz, Remedios / Delgado-Martinez, Alberto D.  
Speaker: Delgado-Martinez, Alberto D. (Spain)

The effect of polytrauma as a possible confounder in the functional outcome of monotraumatic vs. polytraumatic paraplegic patients  
Authors: Putz, Cornelia / Schuld, Christian / Gantz, Simone / Grieser, Thomas / Fürstenberg, Carl Hans / Gerner, Hans Jürgen / Rupp, Rüdiger / Weidner, Norbert  
Speaker: Putz, Cornelia (Germany)

General Orthopaedics / complications / basic science / technology

INSTRUCTIONAL LECTURE REHABILITATION AFTER KNEE SURGERY Room: Hongkong

Moderator: Pye, Peggy-Anne (United Kingdom)

Speaker: Dreinhöfer, Karsten (Germany)

12:15 – 12:45

HONORARY LECTURE MICHAEL FREEMAN HONORARY LECTURE Room: Hall 3  
Moderator: Hoffmeyer, Pierre (Switzerland)

The elbow: Evolution of viable solutions  
Speaker: Morrey, Bernard (United States)

12:45 – 14:15

Zimmer GmbH



INDUSTRY SYMPOSIUM HIP TECHNOLOGY FORUM: DEFINITIVE OVERVIEW FOR A PERSONALIZED FIT Room: Hall 4/5  
Moderator: Cresser-Brown, John (United Kingdom)

Tribology overview and indications for sophisticated patients  
Speaker: Toni, Aldo (Italy)

FRIDAY  
25 MAY

Friday  
25 May

12:45 – 14:15

Kinectiv™Technology: A personalized solution  
Speaker: Manktelow, Andrew (United Kingdom)

CLS® Brevius™Stem with Kinectiv™Technology: 1 year of clinical follow up  
Speaker: Fink, Bernd (Germany)

Revision of failed Metal-on-Metal implants using Trabecular Metal™  
Speaker: Günther, Klaus-Peter (Germany)

Discussion

## Stryker SA



INDUSTRY  
SYMPOSIUM

KNEES – A BALANCING ACT: INSTRUCTIONAL TKA COURSE: THE ROLE OF SURGICAL PHILOSOPHY AND PROCEDURAL TECHNOLOGY IN MODERN TKA

Room: Sydney

Moderator: Catani, Fabio (Italy)

Introduction

Speaker: Catani, Fabio (Italy)

Modern knee implant kinematics

Speaker: Miles, Tony (United Kingdom)

Surgical philosophy in TKA

Speaker: Toms, Andy (United Kingdom)

The measured resection: Soft tissue balancing

Speaker: Stukenborg-Colsman, Christina (Germany)

Tools of the trade: The PIPB Balancer

Speaker: Ghijssels, Ignace (Belgium)

Tools of the trade: Navigation

Speaker: Catani, Fabio (Italy)

Tools of the trade: ShapeMatch technology

Speaker: Toms, Andy (United Kingdom)

## Pfizer LTD



INDUSTRY  
SYMPOSIUM

XIAPEX TRAINING: HANDS-ON TRAINING COURSE ON CORRECT USE AND ADMINISTRATION

Room: Oslo

14:15 – 15:15

## ESSKA – European Society of Sports Traumatology, Knee Surgery and Arthroscopy



Sports/knee soft-tissue

SPECIALTY  
SESSION

ACL RECONSTRUCTION IN FOOTBALL PLAYERS

Room: Hall 3

Moderators: Zaffagnini, Stefano (Italy), Espregueira-Mendes, Joao (Portugal)

What to address in diagnose and evaluation

Speaker: Espregueira-Mendes, Joao (Portugal)

14:15 – 15:15

Risk Factors and Prevention

Speaker: Forssblad, Magnus (Sweden)

Which is the best surgical technique to reconstruct the ACL in a football player

Speaker: Maestro, Antonio (Spain)

How to deal with revision in football players? Is there a place to repair one single bundle?

Speaker: Huylebroek, José (Belgium)

Rules of rehabilitation and return to sports in football players after ACL

Speaker: Della Villa, Stefano (Italy)

Conclusion

Speaker: Zaffagnini, Stefano (Italy)

14:15 – 15:45

Trauma upper limb

SYMPOSIUM RADIAL HEAD FRACTURES: FIX, REPLACE OR REMOVE?

Room: Stockholm

Moderator: Muñoz Vives, Josep (Spain)

Fix

Speaker: Stöckle, Ulrich (Germany)

Replace

Speaker: Adolfsson, Lars (Sweden)

Remove

Speaker: Antuña, Samuel (Spain)

Polytrauma/pelvis

SYMPOSIUM TOCS: TRAUMA AND ORTHOPAEDICS IN CONFLICT AND POST-CONFLICT SETTINGS

Room: Hall 4/5

Moderator: Ciritsis, Bernard (Switzerland)

An approach to managing fractures in war wounds

Speaker: Coupland, Robin (Switzerland)

Sustainable scoliosis surgical teaching programme in Myanmar: A six year experience

Speaker: Jouve, Jean-Luc (France)

Pseudarthrosis treatment of the leg under precarious circumstances

Speaker: Herard, Patrick (France)

Orthopaedic trauma after tsunami: Lessons learned from the tsunami in 2004

Speaker: Mahaisavariya, Banchong (Thailand)

DITAC: Development of a training curriculum for first responders and strategic crisis managers dealing with international crisis

Speaker: Fischer, Philip (Germany)

The security and delivery of effective and impartial health care in armed conflict

Speaker: Coupland, Robin (Switzerland)

Polytrauma/pelvis

CCD WHEN TO DO WHAT IN MULTIPLE FRACTURES PATIENTS

Room: Hall 6

Moderator: Giannoudis, Peter (United Kingdom)

Head injury and the bleeding abdomen

Speaker: Pape, Hans-Christoph (Germany)

Chest injury and more than two long bone fractures

Speaker: Røise, Olav (Norway)

14:15 – 15:45

Open pelvic fracture with haemodynamic instability  
Speaker: Guerado, Enrique (Spain)

## Hip

FREE PAPER

**HIP REPLACEMENT: NAVIGATION AND IMAGING**

Room: Hall 7

Moderators: Wirtz, Dieter (Germany), Kjærsgaard-Andersen, Per (Denmark)

Computer navigated acetabular component orientation – a comparison of navigated

Vs non-navigated acetabulum reaming

Authors: Davis, Edward / Chaudary, Muhammad

Speaker: Chaudary, Muhammad (United Kingdom)

Accelerated failure of ASR and ASR XL THR at Univeristy Hospital Aintree

Authors: Tan, C / Akhtar, Ahsan / Carter, Paul / Scott, Simon / Mayne, Alistair

Speaker: Mayne, Alistair (United Kingdom)

Measuring leg length discrepancy using pelvic radiographs

Authors: Heaver, Catriona / St Mart, Jean-Pierre / Nightingale, Peter / Sinha, Aabha / Davis, Edward

Speaker: Heaver, Catriona (United Kingdom)

Analysis of error in image-free navigation system for THA

Authors: Inori, Fumiaki / Ohashi, Hirotsugu / You, Hirotake / Okajima, Yosiaki / Matsui, Yoshio

Speaker: Inori, Fumiaki (Japan)

What is the sensitivity and specificity of x-rays in detecting resurfaced hips with high wear/pseudotumour?

Authors: De Smet, Koen / Gill, Harinderjit / Calistri, Alessandro / Murray, David / Pandit, Hemant /

Van der Straeten, Catherine / Grammatopoulos, George

Speaker: Grammatopoulos, George (United Kingdom)

Cementless total hip arthroplasty with transverse subtrochanteric shortening osteotomy  
in Crowe Type IV high dislocated hips: 2-20 years follow up

Authors: Cetin, ilker / Guclu, Berk

Speaker: Guclu, Berk (Turkey)

Revision rates after hip replacement: Over 200.000 patients followed up to 49 years

Authors: Böhler, Nikolaus / Labek, Gerold / Wurzer, Paul / Pabinger, Christof

Speaker: Pabinger, Christof (Austria)

Preservation of the short external rotator muscles in total hip arthroplasty. An anatomical study

Authors: Tamaki, Tatsuya / Oinuma, Kazuhiro / Shiratsuchi, Hideaki / Iida, Satoshi / Akita, Keiichi

Speaker: Tamaki, Tatsuya (Japan)

How many different types of femora are there in primary hip osteoarthritis? An Active Shape Modelling study

Authors: Waldstein, Wenzel / Gregory, Jennifer / Goodyear, Simon / Aspden, Richard / Aldinger, Peter /

Murray, David / Gill, Harinderjit / Merle, Christian

Speaker: Merle, Christian (Germany)

## Knee osseous

FREE PAPER

**TOTAL KNEE REPLACEMENT: TECHNIQUE AND NAVIGATION I**

Room: Hall 8

Moderators: Forriol, Francesco (Spain), Röhrig, Herbert (Germany)

Accuracy of component alignment using the three-dimensionally planned and controlled insertion  
of IM Alignment Rod in TKA

Authors: Sato, Takashi / Omori, Go

Speaker: Sato, Takashi (Japan)

The gap technique does not rotate the femur parallel to the epicondylar axis

Authors: Pfitzner, Tilman / Matziolis, Georg / Boenicke, Hinrich / Pfiel, Sascha / Perka, Carsten

Speaker: Pfitzner, Tilman (Germany)

How much limb rotation during roentgenogram which does not cause component malalignment  
in frontal plane after TKA?

Authors: Tantavisut, Saran / Wilairatana, Vajara / Tanavalee, Aree / Wangroongsut, Yongsak / Ngarmukos, Srihatach

Speaker: Tantavisut, Saran (Thailand)

Joint line changes after primary total knee arthroplasty: Navigated versus non-navigated

Authors: Shah, Vishal / Jawhar, Ahmed / Sohoni, Sameep / Scharf, Hanns-Peter

Speaker: Jawhar, Ahmed (Germany)

Joint line position correlates with function after primary total knee replacement:

A randomised controlled trial comparing conventional and computer assisted surgery

Authors: Dowsey, Michelle / Stoney, James / Choong, Peter / Babazadeh, Sina

Speaker: Babazadeh, Sina (Australia)

Alignment in minimally invasive total knee arthroplasty using new MRI-based patient matched pin placement guides

Authors: Pietsch, Martin / Hofmann, Siegfried / Tschauer, Christian / Radl, Roman / Plattner, Florian /

Zweiger, Christine / Djahani, Oliver

Speaker: Pietsch, Martin (Austria)

Definition of the orientation of the tibial cut in patients undergoing primary total knee arthroplasty with the use of two linear laser beams. A prospective randomized study

Authors: Nikolaidis, Anastasios / Kenanidis, Eustathios / Magnissalis, Evangelos / Sayegh, Fares / Kirkos, John /

Kapetanios, Georgios / Papavasiliou, Kyriakos

Speaker: Nikolaidis, Anastasios (Greece)

Problems, obstacles and complications in more than 700 computer assisted knee replacements

Authors: Manzotti, Alfonso / Confalonieri, Norberto

Speaker: Manzotti, Alfonso (Italy)

The learning curve of robotically assisted UKA

Authors: Branch, Sharon / Erdos, Tamas / Conditt, Michael / Jinnah, Riyaz / Jones, Jennifer

Speaker: Jones, Jennifer (United States)

## EBJIS – European Bone & Joint Infection Society



Infection		
<b>SPECIALTY SESSION</b>	<b>FOOT AND ANKLE INFECTIONS</b>	<b>Room: Hall 9</b>
	<b>Moderators: Wagner, Christof (Germany), Romano, Carlo (Italy)</b>	
	Infections and biofilms – an update	
	Speaker: Wagner, Christof (Germany)	
	Posttraumatic foot and ankle infections	
	Speaker: Vogely, Charles (The Netherlands)	
	Calcaneus infections	
	Speaker: Romanò, Carlo (Italy)	
	Diabetic foot	
	Speaker: Kirketerp-Møller, Klaus (Denmark)	
	Surgical treatment of plantar ulcers	
	Speaker: Winkler, Heinz (Austria)	
	Infected ankle prosthesis	
	Speaker: Borens, Olivier (Switzerland)	
	Segment transport for ankle arthrodesis	
	Speaker: Heppert, Volkmar (Germany)	
Osteoporosis		
<b>SYMPOSIUM</b>	<b>OSTEOPOROTIC PROXIMAL HUMERUS FRACTURES: HOW WE SOLVE IT</b>	<b>Room: Hall 10</b>
	<b>Moderator: Blauth, Michael (Austria)</b>	
	Non operative treatment – still indicated?	
	Speaker: Fialka, Christian (Austria)	

14:15 – 15:45

Local bone quality and plate fixation – any correlation?  
Speaker: Kralinger, Franz (Austria)

Arthroplasty: Indications, tips and tricks, results  
Speaker: Hertel, Ralph (Switzerland)

Nailing: Indications and limitations  
Speaker: Nijs, Stefaan (Belgium)

### Tribology

#### SYMPOSIUM

#### POLYETHYLEN / CERAMIC

Room: Istanbul

Moderator: Knahr, Karl (Austria)

Technology of improved PE  
Speaker: Streicher, Robert (Switzerland)

Long-term results of different PE articulations  
Speaker: Röhrli, Stephan (Norway)

Influence of head material (metal vs. ceramic) on wear of cross linked PE  
Speaker: Parvizi, Javat (United States)

Technology of ceramic implants  
Speaker: Morlock, Michael (Germany)

Long-term results of Ceramic-on-Ceramic articulations  
Speaker: Toni, Aldo (Italy)

Selection of wear components in total hip arthroplasty  
Speaker: Knahr, Karl (Austria)

### General education

#### WORKSHOP

#### ONLINE DATABASES AND LITERATURE SEARCH TECHNIQUES FOR ORTHOPEDIC SURGEONS

Room: Oslo

Moderator: Küçükdurmaz, Fatih (Turkey)

Welcome  
Speaker: Küçükdurmaz, Fatih (Turkey)

Interduction of search platforms: Pubmed, Google  
Speaker: Küçükdurmaz, Fatih (Turkey)

Online databases

Workshop: Transform theory to practice / Questions and Answers  
Speaker: Küçükdurmaz, Fatih (Turkey)

### Spine

#### FREE PAPER

#### COMPLICATIONS / INFECTION

Room: Sauerbruch

Moderators: Aydingöz, Önder (Turkey), Cáceres Palou, Enric (Spain)

Major complications after kyphoplasty for osteoporotic compression fractures:  
An analysis of 564 cases from 2008-2011  
Authors: Prokop, Axel / Dolezych, Robert / Chmielnicki, Marc  
Speaker: Prokop, Axel (Germany)

Dural lesions in decompression for lumbar spinal stenosis – incidence, risk factors and effect on outcome  
Authors: Strömqvist, Björn / Jönsson, Bo / Strömqvist, Fredrik  
Speaker: Strömqvist, Björn (Sweden)

14:15 – 15:45

Complications of external transpedicular fixation

Authors: Prudnikova, Oxana  
Speaker: Prudnikova, Oxana (Russian Federation)

Management of dural tears occurring during spinal surgery

Authors: Eadsforth, Thomas / Barrett, Chris / Pillay, Robin / Grewal, Ishvinder  
Speaker: Grewal, Ishvinder (United Kingdom)

Clinical outcome after surgery of vertebral osteomyelitis

Authors: Kümpel, Sarah / Lange, Tobias / Deventer, Niklas / Schmidt, Carolin / Gosheger, Georg / Bullmann, Viola / Schulte, Tobias L  
Speaker: Schulte, Tobias L (Germany)

Long-term evaluation of discectomy in young adults: 20 years follow-up

Authors: Duarte, Rui / Ferreira, Nuno / Varanda, Pedro / Vaz, Helena / Pereira, Elso / Vieira da Silva, Manuel  
Speaker: Duarte, Rui (Portugal)

The role of posterior transpedicular instrumentation in the management of vertebral osteomyelitis

Authors: Covaro, Augusto / Ubierna, Maite / Iborra, Miquel / Cavanilles, Jose M<sup>a</sup> / Casellas-García, Gemma / Hernández Hermoso, José Antonio  
Speaker: Covaro, Augusto (Spain)

Bacterial colonization of spine implants in children with severe spinal and thoracic deformities treated with growth retaining implants

Authors: Plaass, Christian / Trampuž Andrej / Hasler, Carol / Studer, Daniel  
Speaker: Plaass, Christian (Germany)

Misdiagnosed secondary hydatid cyst of sacrum affecting the sakroiliac joint: A case report

Authors: Guzel, Yunus / Göncü, Recep / Bilge, Onur / Güleç, Ali / Kaçira, Burakay  
Speaker: Guzel, Yunus (Turkey)

Spondylodiscitis and spinal epidural abscess caused by Candida Albicans in a haemodialysis patient: A case report and review of literature

Authors: Dahab, Raef / Ballal, Moez / De Matas, Marcus  
Speaker: Dahab, Raef (United Kingdom)

14:15 – 17:30

**EFOST – European Federation of National Associations of Orthopaedic Sports Traumatology**



**Sports/knee soft-tissue**

**SPECIALTY  
SESSION**

**SPORT RELATED COMPRESSIONS AT THE UPPER LIMB**

**Room: Hongkong**

**Moderator: Adamczyk, Grzegorz (Poland), Felmet, Gernot (Germany)**

Carpal tunnel and guyon tunnel neuropathy

Speaker: Pegoli, Loris (Italy)

Suprascapularis nerve compression

Speaker: Tzanakakis, Nikolaos (Greece)

Endoscopic release of nerves

Speaker: Hoffmann, Reinhard (Germany)

Algodystrophy, RSD: Cause and/or consequence of compression

Speaker: Zyluk, Andrzej (Poland)

Thoracic outlet syndrome

Speaker: Merle, Michel (France)

Accessory muscle groups in the elbow as a reason for nerve compression

Speaker: Adamczyk, Grzegorz (Poland)

Friday  
25 May

14:15 - 17:30

Patellar instability and lower limb muscular imbalance  
Speaker: Canata, Gian Luigi (Italy)

Patellar stabilization and return to sport  
Speaker: Doral, Mahmut (Turkey)

Conservative & operative treatment of ligament injuries in athletic knees  
Speaker: Felmet, Gernot (Germany)

Algorithm for treatment of isolated MCL sprain of the knee  
Speaker: Kelberine, François (France)

Athlete 's ankle lesions - diagnostic & treatment (laxity excluded)  
Speaker: Laprell, Heinz (Germany)

Acute and chronic lateral ankle sprains  
Speaker: Pijnenburg, Bas (The Netherlands)

14:15 - 17:30

**EPOS – European Paediatric Orthopaedic Society**



**Paediatrics**

**SPECIALTY SESSION**

**PRESERVATION TECHNIQUES FOR ADOLESCENT HIP PROBLEMS**

Room: Sydney

Moderators: Eastwood, Deborah (United Kingdom), Krauspe, Rüdiger (Germany)

Clinical and radiographic evaluation  
Speaker: Tschauer, Christian (Austria)

New MRI technology for assessment of hip joint cartilage  
Speaker: Zilkens, Christoph (Germany)

Osteotomies around the hip: Femoral osteotomy  
Speaker: Krauspe, Rüdiger (Germany)

Osteotomies around the hip: Pelvic osteotomies  
Speaker: Hefti, Fritz (Switzerland)

Osteotomies around the hip: Combined pelvic and femoral osteotomies  
Speaker: Grill, Franz (Austria)

Arthroscopy of the paediatric / adolescent hip  
Speaker: Leunig, Michael (Switzerland)

Intraarticular operative procedures via surgical dislocation of the hip  
Speaker: Slongo, Teddy (Switzerland)

Best practice versus experimental hype  
Speaker: Eastwood, Deborah (United Kingdom)

**ERASS – European Rheumatism Arthritis Surgical Society;**

**EFAS – European Foot & Ankle Society**



**Foot/ankle/leg**

**SPECIALTY SESSION**

**SURGICAL DILEMMAS OF THE RHEUMATOID ANKLE AND FOOT**

Room: Madrid

Moderator: Nelissen, Rob (The Netherlands)

Opening remarks  
Speaker: Nelissen, Rob (Netherlands)

Advances and trends in treatment of RA with biological  
Speaker: Hazes, Mieke (Netherlands)



Friday  
25 May

14:15 – 17:30

Joint preserving forefoot reconstruction in RA  
Speaker: Louwerens, Jan Willem (Netherlands)

Arthrodesis in the foot & ankle in RA  
Speaker: Laing, Patrick (United Kingdom)

Total ankle replacement in RA  
Speaker: Rutishauser, Thomas (Switzerland)

Surgical complications in RA and their prevention  
Speaker: Van der Heide, Huub (Netherlands)

Closing remarks  
Speaker: Louwerens, Jan Willem (Netherlands)

15:15 – 16:15

**ESSKA – European Society of Sports Traumatology, Knee Surgery and Arthroscopy**



FRIDAY  
25 MAY

**Sports/knee soft-tissue**

**SPECIALTY SESSION** **KNEE REPLACEMENT AND SPORT**  
**Moderator: Argenson, Jean-Noël (France)**

**Room: Hall 3**

How patient attitude and aptitude may influence sport recovery after knee replacement?  
Speaker: Argenson, Jean-Noël (France)

How sport may lead to knee replacement  
Speaker: Denti, Matteo (Italy)

How sport can be recommended after knee replacement?  
Speaker: Salreta, José Filipe (Portugal)

How surgical technique and implant design may impact sporting replaced knee patients  
Speaker: Thienpont, Emmanuel (Belgium)

16:00 – 17:00

**General Orthopaedics / complications / basic science / technology**

**FREE PAPER** **RISK FACTORS FOR OSTEOARTHRITIS**  
**Moderators: Santori, Nicola (Italy), Meurer, Andrea (Germany)**

**Room: Hall 6**

BMP-2-induced Wnt/ $\beta$ -catenin activation through LRP-5 enhances the expression of catabolic and hypertrophic markers in osteoarthritic cartilage  
Authors: Malizos, Konstantinos / Tsezou, Aspasia / Papatheanasiou, Ioanna  
Speaker: Papatheanasiou, Ioanna (Greece)

Comparative analysis of mesenchymal stromal cells from osteoarthritic versus healthy donors  
Authors: Günther, Klaus-Peter / Friedrich, Henriette / Schildberg, Theresa / Jacobi, Angela / Vater, Corina / Overall, Rupert / Royer, Loïc / Schroeder, Michael / Kruhoffer, Mogens / Bünger, Cody / Rauh, Juliane / Stiehler, Maik  
Speaker: Friedrich, Henriette (Germany)

Platelet-rich plasma (PRP) injections versus viscosupplementation for early knee osteoarthritis: A randomized double-blind study  
Authors: Patella, Silvio / Filardo, Giuseppe / Di Martino, Alessandro / Perdisa, Francesco / Di Matteo, Berardo / Marcacci, Maurizio / Merli, Maria / De Pasqual, Laura / Kon, Elizaveta  
Speaker: Marcacci, Maurizio (Italy)

Central role of SREBP-2 in the pathogenesis of osteoarthritis  
Authors: Malizos, Konstantinos / Gkretsi, Vasiliki / Iliopoulos, Dimitrios / Tsezou, Aspasia / Kostopoulou, Fotini  
Speaker: Kostopoulou, Fotini (Greece)

16:00 – 17:00

Synovial fluid leptin level and joint pain in end-stage osteoarthritis:

A potential explanation for increased pain in women and in obese patients

Authors: Finckh, Axel / Puskas, Gabor / Suva, Domizio / Lädermann, Alexandre / Bas, Sylvette / Fritschy, Daniel / Gabay, Cem / Hoffmeyer, Pierre / Lübbecke-Wolff, Anne

Speaker: Lübbecke-Wolff, Anne (Switzerland)

Efficacy of exercise in managing osteoarthritis of the hip and knee

Authors: Kelly, Michael / Courcier, Lorraine / Patel, Jeet / Phare, Natalie / Pritchard, Edward / Razavi, Shahab / Robbins, Emily / Wardle, Andrew / Zhou, Qiaoling / Morris, Tom

Speaker: Courcier, Lorraine (United Kingdom)

16:00 – 17:30

Polytrauma/pelvis

SYMPOSIUM

TRAUMATIC MAJOR LIMB AMPUTATIONS

Room: Stockholm

Moderator: Simmermacher, Rogier (The Netherlands)

Traumatic amputation – the approach

Speaker: Perkins, Zane (United Kingdom)

When and where to amputate an injured upper limb?

Speaker: Frey, Chris (South-Africa)

When and where to amputate an injured lower limb?

Speaker: Pape, Hans-Christoph (Germany)

Traumatic hemipelvectomy – current status

Speaker: Leenen, Loek (The Netherlands)

Paediatrics

FREE PAPER

TRAUMA

Room: Hall 4/5

Moderators: Cassiano Neves, Manuel (Portugal), Hagglund, Gunnar (Sweden)

The relationship between the anatomical type of clavicular fracture and neonatal brachial palsy.

A retrospective study

Authors: Panadero-Moncusí, Manel / Cassart-Masnou, Elisa / Albertí-Fitó, Glòria /

Hernández-Hermoso, Jose Antonio / Casellas-García, Gemma

Speaker: Casellas-García, Gemma (Spain)

Selected within the best Free Papers

Supracondylar humeral fractures in children – percutaneous pinning versus Métaizeau technique

Authors: Amaral, Pedro / Tavares, Luís / Raposo, João / Rebelo, António / Carneiro, Fernando / Simões, Carvalho / Aguiar, Thiago

Speaker: Aguiar, Thiago (Portugal)

Inter observer agreement for the 'Fat Pad Sign' after paediatric elbow injury

Authors: Lee, Noel / Downen, Daniel / Gray, Andrew / Thomas, Suresh

Speaker: Thomas, Suresh (United Kingdom)

Lateral closed wedge French osteotomy in Gunstock deformity of elbow

Authors: Burian, Michal

Speaker: Burian, Michal (Czech Republic)

The efficacy of cast-splitting post manipulation for paediatric forearm fractures: "To split or not to split?"

Authors: Ballard, Jim / Bell, Stuart / Hamlin, Katharine / Lloyd, Richard

Speaker: Lloyd, Richard (United Kingdom)

Distal fragment length (DFL) to total radial length (TRL) ratio as a decision-making tool in the treatment radial of forearm fractures during childhood and adolescence

Authors: Sommerfeldt, Dirk

Speaker: Sommerfeldt, Dirk (Germany)

High energy open paediatric tibial fractures: Treatment with the taylor spatial frame

Authors: Howells, Nick / Monsell, Fergal / Mitchell, Steve / Jeffcote, Ben / Lawniczak, Dominic

Speaker: Howells, Nick (United Kingdom)

Pattern of extremity fractures in non-accidental injuries in the paediatric population in Singapore

Authors: Mahadev, Arjandas / Gera, Sumanth

Speaker: Gera, Sumanth (Singapore)

Bilateral sleeve fracture of the inferior poles of the patella in a healthy child: Case report and Review of the Literature

Authors: Marciniak, Jan / Guy, Stephen / Tulwa, Nirmal / Bonczek, Sandra

Speaker: Bonczek, Sandra (United Kingdom)

An unusual case of combined Ogden 3 B and Salter Harris 4 fractures of the proximal tibia in an adolescent male

Authors: Ajmi, Qasim / Khan, Amer

Speaker: Ajmi, Qasim (United Kingdom)

**Hip**

**FREE PAPER**

**HIP DISPLASIA-IMPINGEMENT**

**Room: Hall 7**

**Moderators: Siebenrock, Klaus (Switzerland), Haddad, Fares (United Kingdom)**

3D analysis of the hip joint for detection and treatment of morphological hip disease

Authors: Cobb, Justin / Nightingale, Craig

Speaker: Nightingale, Craig (United Kingdom)

The reliability of AP pelvis xray in the diagnosis of the FAI

Authors: Awad, Ashraf / Blake, Stephen / Ashworth, Mark / Lofthouse, Rob

Speaker: Awad, Ashraf (United Kingdom)

Radiographic evidence of Pincer-type femoroacetabular impingement in patients with End Stage Hip Osteoarthritis

Authors: Sellan, Michael / Morison, Zac / Waddell, James / Schemitsch, Emil / Kuzyk, Paul

Speaker: Kuzyk, Paul (Canada)

Prevalence of pincer femoroacetabular deformity radiographic analysis of 1176 asymptomatic Asian adults-

Authors: Joo, Jong Hwan / Lee, Su-Chan / Jung, Kwang-Am

Speaker: Joo, Jong Hwan (Korea, Republic Of)

Miniopen technique for the treatment of femoroacetabular impingement.

Lessons learned after 8 years with the first consecutive 296 cases

Authors: Cardenas, Carlomagno / Bellotti, Vittorio / Marin, Oliver / Astarita, Emanuele / Betancourt, Louis /

De Meo, Federico / Ribas, Manuel

Speaker: Ribas, Manuel (Italy)

The Labral lesions of dysplastic hip and usefulness of concomitant management for Labral lesions during periacetabular rotational osteotomy

Authors: Sangjoon, Kwak / Cho, Yoonje

Speaker: Cho, Yoonje (Korea, Republic Of)

Minimally invasive peri-acetabular osteotomy: Early comparative results versus Ilio-femoral approach

Authors: Hasan, Kamrul / Carter, Alison / Wong, Fabian / Shah, Zameer / Bankes, Marcus / James, Christopher

Speaker: James, Christopher (United Kingdom)

Patient-orientated outcomes after surgical treatment of femoroacetabular impingement (FAI) compared with total hip arthroplasty (THA)

Authors: Mannion, Anne / Naal, Florian / Leunig, Michael / Impellizzeri, Franco

Speaker: Impellizzeri, Franco (Switzerland)

Reossification after arthroscopic treatment of femoro acetabular impingement

Authors: Garcia Benitez, Jose Boris / Lopez - Vidriero, Emilio / Molano Bernardino, Carlos / Tey Pons, Marc

Speaker: Molano Bernardino, Carlos (Spain)

CAM's femoroacetabular impingement caused by osteoid osteoma in femoral neck: Case report

Authors: Kimura, Osamu / Cury, Marco / Freitas, Emilio / Leal, Diogo

Speaker: Kimura, Osamu (Brazil)

16:00 – 17:30

**Knee osseous**

**FREE PAPER**

**TOTAL KNEE REPLACEMENT: TECHNIQUE AND NAVIGATION II**

**Room: Hall 8**

**Moderators: Maestro, Antonio (Spain), Perka, Carsten (Germany)**

The influence of slice thickness and femur orientation on the accuracy of CT-scans for shape matching technology in TKR

Authors: Heyligers, Ide / Grimm, Bernhard / Boymans, T. / Kessler, Oliver

Speaker: Boymans, T. (Netherlands)

Incidence and outcomes of overhanging tibial components in primary total knee replacement

Authors: Makrides, Panos / Thangarajah, Tanujan / Brooks, Stuart / McArthur, John

Speaker: McArthur, John (United Kingdom)

The use of intramedullar vs extramedullar guide in total knee replacement

Authors: Lopreite, Fernando / Sandrigo, Sergio / Pesciallo, Cesar / Nazur, Gabriel / Del Sel, Hernan

Speaker: Lopreite, Fernando (Argentina)

Comparison of in vivo coronal plane patella tracking following knee arthroplasty using the maustm techniqe

Authors: Monk, Andrew / Chen, Minsi / Mellon, Stephen / Gibbons, Max / Beard, David / Murray, David / Gill, Harinderjit

Speaker: Monk, Andrew (United Kingdom)

Intra-operative kinematic analysis of the knee during total replacement. A prognostic information?

Authors: Jenny, Jean-Yves / Wasser, Lionel / Diesinger, Yann

Speaker: Diesinger, Yann (Germany)

Effect of medial and lateral posterior condylar offset on knee flexion

Authors: Ishii, Yoshinori / Noguchi, Hideo / Takeda, Mitsuhiro / Sato, Junko

Speaker: Ishii, Yoshinori (Japan)

Accuracy of the intra-medullary femoral jig in total knee replacement and the correlation between post-operative radiographic angles and early clinical outcome

Authors: Fischer, Ben / Jain, Neil / Courtman, Nigel

Speaker: Fischer, Ben (United Kingdom)

A simple radiographic method to predict femoral component rotation in gap balancing total knee arthroplasty

Authors: Ilmer, Christian / Harder, Laurent / Naal, Florian / Von Knoch, Marius / Preiss, Stefan / Von Knoch, Fabian

Speaker: Von Knoch, Fabian (Switzerland)

Total knee arthroplasty improved the load-bearing axis of lower extremity in only coronal plane but not in sagittal plane

Authors: Noguchi, Hideo / Takeda, Mitsuhiro / Sato, Junko / Ishii, Yoshinori

Speaker: Ishii, Yoshinori (Japan)

**Foot/ankle/leg**

**SYMPOSIUM**

**FLATFOOT: FROM CHILDHOOD TO THE ADULT**

**Room: Hall 9**

**Moderator: Delmi, Marino (Switzerland)**

Introduction

Speaker: Delmi, Marino (Switzerland)

Biomechanics of the flat foot

Speaker: Leardini, Alberto (Italy)

The child

Speaker: Stephens, Michael (Ireland)

The adolescent

Speaker: Viladot Voegeli, Antonio (Spain)

The adult

Speaker: Valderrabano, Victor (Switzerland)

Friday  
25 May

16:00 – 17:30

**FORTE** – Federation of Orthopaedic Trainees in Europe



**General education**

**SPECIALTY SESSION** AN UPDATE ON TRAINING OF ORTHOPAEDIC RESIDENTS IN EUROPE AND INFORMATION ABOUT FELLOWSHIPS **Room: Hall 10**

Moderator: Gurel, Enis (United Kingdom)

**Introduction**

Speaker: Gurel, Enis (United Kingdom)

**Outcome survey**

Speaker: Paschos, Nikolaos (Greece)

**Report on: FORTE Fellowship at Karolinska University Hospital Sweden**

Speaker: Azevedo, Jorge (Portugal)

**EBOT exam**

Speaker: Guerrapinto, Francisco (Portugal)

**Travelling Fellowships EFORT**

Speaker: Neyret, Philippe (France)

**Financial update**

Speaker: Domeij-Arverud, Erica (Sweden)

**Voting new committee members**

Speaker: Hentenaar, Bram (The Netherlands)

**Tribology**

**SYMPOSIUM** METAL-ON-METAL BEARINGS **Room: Istanbul**

Moderator: Murray, David (United Kingdom)

**Implant design and Metal-on-Metal bearings**

Speaker: Nargol, Antoni (United Kingdom)

**Surgical techniques and Metal-on-Metal bearings**

Speaker: Moroni, Antonio (Italy)

**Head size and Metal-on-Metal bearings**

Speaker: Migaud, Henri (France)

**Bioengineering of Metal-on-Metal bearings**

Speaker: Gill, Richie (United Kingdom)

**Spine**

**SYMPOSIUM** LUMBAR SPINAL STENOSIS: AN UPDATE **Room: Sauerbruch**

Moderator: Fokter, Samo (Slovenia)

**Diagnosis and imaging techniques for LSS**

Speaker: Elsig, Jean Pierre (Switzerland)

**Evidence based value of meta-analytic studies on LSS**

Speaker: Villas, Carlos (Spain)

**Current trends in surgical treatment for LSS**

Speaker: Mazel, Christian (France)

**Results of treatment for LSS with interspinous process device**

Speaker: Fokter, Samo (Slovenia)

FRIDAY  
25 MAY

Friday  
25 May

16:15 - 17:30

**ESSKA** – European Society of Sports Traumatology, Knee Surgery and Arthroscopy



Sports/knee soft-tissue

**SPECIALTY  
SESSION**

**FIRST DISLOCATION IN ATHLETES**

Room: Hall 3

Moderators: Funk, Lennard (United Kingdom), Scheibel, Markus (Germany)

Anatomy and biomechanics

Speaker: Kovacic, Ladislav (Slovenia)

Pathology and prevention

Speaker: Funk, Lennard (United Kingdom)

A meta-analysis and state of the art

Speaker: Kovacic, Ladislav (Slovenia)

Arthroscopic stabilisation technique

Speaker: Scheibel, Markus (Germany)

Conclusion

FRIDAY  
25 MAY

# 14th EFORT Congress 2013

Abstract submission deadline  
15 September 2012  
Early Registration Deadline  
30 January 2013



Pre-registration deadline  
▶ 19 May 2013



## 14th EFORT Congress

Istanbul, Turkey: 5 – 8 June 2013

### Congress highlights

- **Hip** Joint-preserving surgery
- **Knee osseous** Early osteoarthritis: current management
- **Shoulder** Clavicle fractures: to operate or not to operate?
- **Foot/ankle** Metatarsalgia: current options
- **Hand/wrist** Dupuytren's: injections or surgery?
- **Trauma** Complex elbow injuries - what's new? / Solutions for proximal femoral fractures / What to do after damage control?
- **Sports / knee soft-tissue** Meniscal and knee ligament injuries today
- **Paediatrics** Early care for growth alteration and malformation
- **Spine** Spinal trauma care: modern treatments
- **Pain** Will training prevent THA and TKA?
- **Osteoporosis** Evidence of tertiary prophylaxis in osteoporosis
- **Basic Science** Haemophilia: where are we? / New trends based on experimental research
- **Infection** Treatment of the infected fracture
- **Bone & joint tumours**  
Lower limb reconstruction: state of the art
- **Tribology** articulations in total hip arthroplasty

info

More updates available at: [www.efort.org/istanbul2013](http://www.efort.org/istanbul2013)



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Global Trade Fairs & Events

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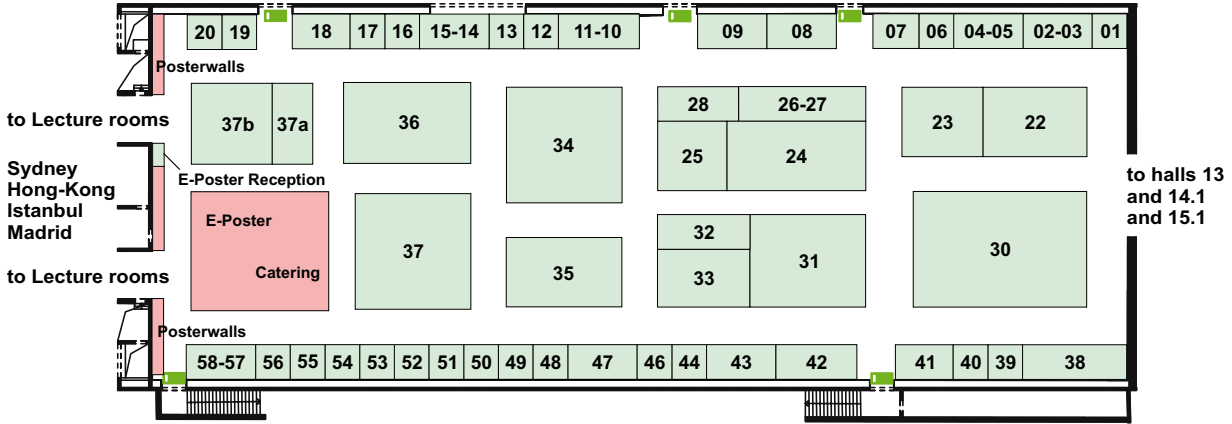
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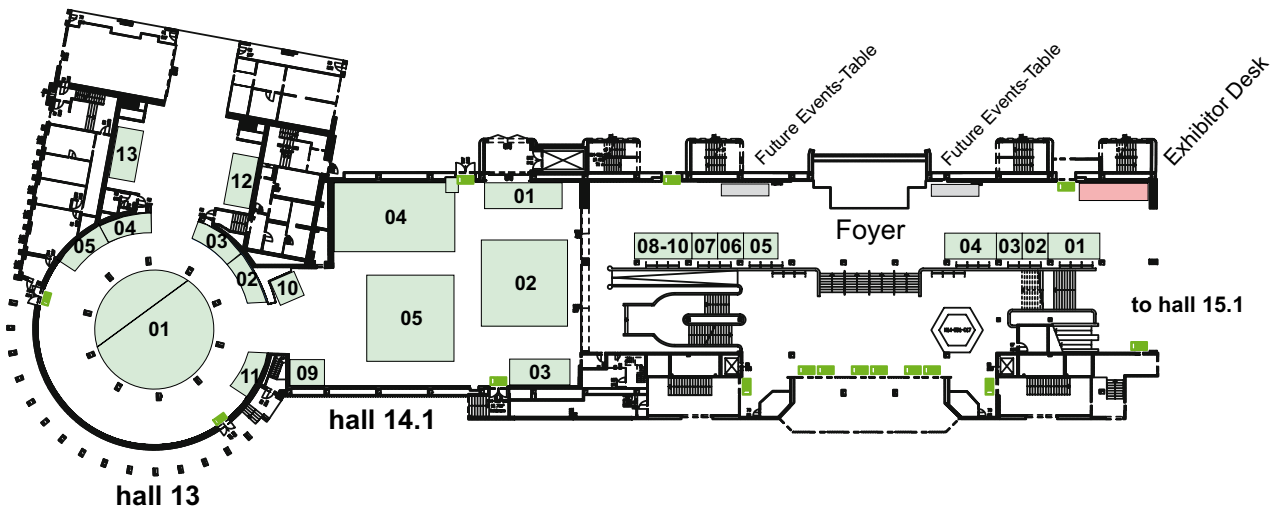
# Exhibition Floor Plan

## Hall 12.1



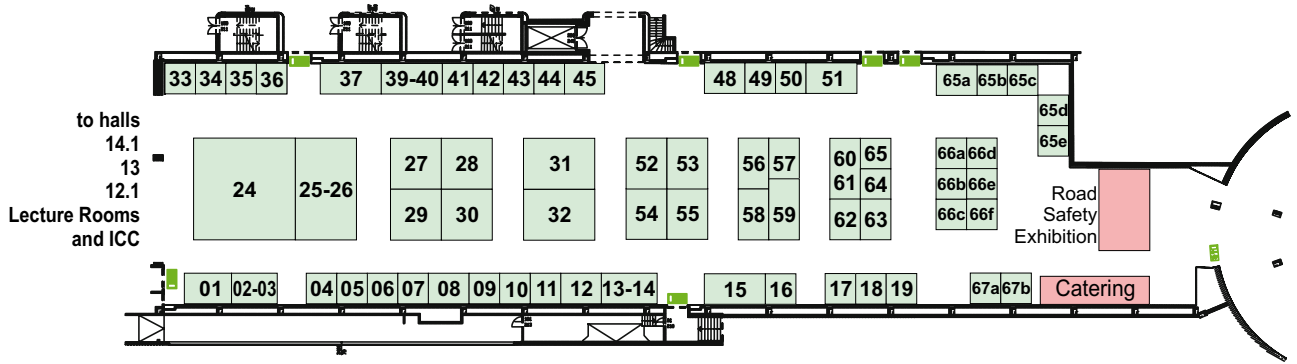
## Hall 13 and 14.1

to hall 12  
to Lecture rooms  
Sydney  
Hong-Kong  
Istanbul  
Madrid

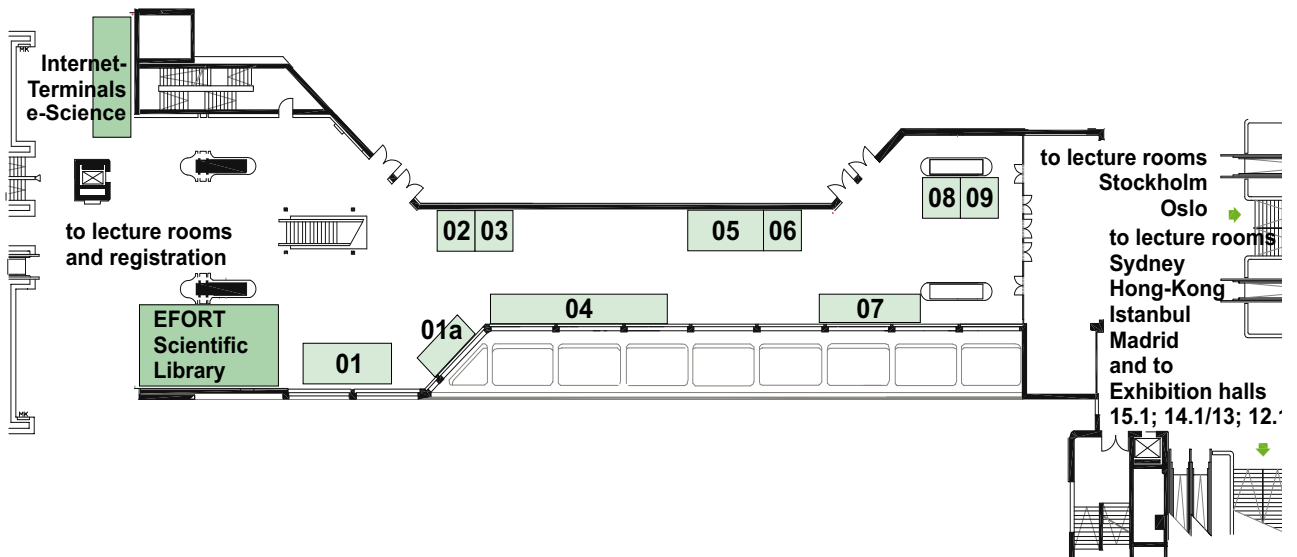


# Exhibition Floor Plan

## Hall 15.1



## Bridge-Lobby



# Exhibitors List

EXHIBITOR NAME	SPACE CODE	EXHIBITOR NAME	SPACE CODE	EXHIBITOR NAME	SPACE CODE	EXHIBITOR NAME	SPACE CODE
AAOS	15.1/65B	CURASAN	15.1/56	IMEDICOM	12.1/52	OSTEOMED	14.1/09
AAP IMPLANTATE	15.1/17	DE SOUTTER MEDICAL	12.1/50	IMPLANTCAST	12.1/22	OZICS	15.1/34
ADVANCED ORTHOPAEDIC SOLUTIONS	12.1/56	DEPUY (A JOHNSON & JOHNSON COMPANY)	12.1/36	INTRAUMA	12.1/55	PERMEDICA	12.1/42
ALBRECHT	15.1/18	DEUTSCHE GESELLSCHAFT FÜR ORTHOPÄDIE UND ORTHOPÄDISCHE CHIRURGIE E. V. (DGOOC)	BL/03	IVY SPORTS	15.1/57	PETER BREHM	14.1/03
AMPLITUDE	12.1/12	DFINE EUROPE	12.1/13	JOURNAL OF BONE AND JOINT SURGERY - JBJS	BL/06	PFIZER	13/01
ANSELL HEALTHCARE EUROPE	14.1/01	DIETER MARQUARDT		JOURNAL OF BONE AND JOINT SURGERY - JBJS UK	BL/02	PFIZER	13/04
ANTEIS	13/13	MEDIZINTECHNIK	12.1/47	JRI ORTHOPAEDICS	15.1/30	PLANMED OY	12.1/37A
AO FOUNDATION	BL/01	DIZG - GERMAN INSTITUTE FOR CELL AND TISSUE REPLACEMENT	15.1/52	KINAMED	15.1/07	REICHERT GMBH BUCHHANDLUNG FÜR MEDIZIN	BL/07
AO SPINE	BL/01	DOCTORS RESEARCH GROUP	F/02	KOMET MEDICAL/GEBR. BRASSELER	15.1/12	SAMO	14.1/04
ARCAM AB	12.1/16	DOT	12.1/06	KÖNIGSEE IMPLANTATE	15.1/51	SANATMETAL	12.1/11-10
ÄRZTE OHNE GRENZEN E.V.	15.1/19	E.M.S. - ELECTRO MEDICAL SYSTEMS	15.1/16	KYOCERA MEDICAL CORPORATION	15.1/04	SBM	12.1/54
B. BRAUN AESCULAP	12.1/31	EFORT	12.1/37B	LCA PHARMACEUTICAL	15.1/58	SERF - DEDIENNE SANTE	15.1/08
BAUERFEIND	F/01	EFOST (WSTC & 7TH EFOST CONGRESS 2012)	15.1/65E	LEXI CORPORATION	15.1/42	SEWON CELLONTECH	15.1/31
BAYER HEALTHCARE	14.1/05	ENDOTEC	15.1/41	LIMACORPORATE	12.1/34	SHANGHAI BOJIN ELECTRIC INSTRUMENT & DEVICE	12.1/40
BEIJING CHUNLIZHENGDA MEDICAL INSTRUMENTS	15.1/05	EORS (EUROPEAN ORTHOPAEDIC RESEARCH SOCIETY)	15.1/66F	LISI MEDICAL		SICOT	15.1/66C
BERUFSVERBAND DER FACHÄRZTE FÜR ORTHOPÄDIE UND UNFALLCHIRURGIE E. V. (BVOU)	BL/03	ESSKA	15.1/65A	ORTHOPAEDICS	15.1/60	SLACK ORTHOPEDICS / ORTHOPAEDICS TODAY EUROPE	BL/09
BEZDOSKA	12.1/19	EUROPEAN HIP SOCIETY		MAKO SURGICAL CORP.	F/08-10	SMITH & NEPHEW ORTHOPAEDICS	12.1/35
BIOCOMPOSITES	12.1/53	EHS	15.1/65D	MASTER MED	15.1/43	SOFCOT	15.1/66D
BIOMET UK	14.1/02	EUROSPINE	15.1/66A	MATERIALISE NV	12.1/09	SPRINGER-VERLAG	BL/05
BIOMIMETIC THERAPEUTICS	12.1/48	EXACTECH INTERNATIONAL OPERATION	12.1/23	MATHYS AG BETTLACH	15.1/24	STRYKER	15.1/25-26
BIORETEC	12.1/44	EXTREMITY MEDICAL LLC	15.1/39-40	MATORTHO	15.1/49	SYNIMED	F/05
BIOSAFE	13/11	F. COLOMBO	15.1/50	MEDACTA INTERNATIONAL	12.1/25	SYNTHESES	12.1/32
BOEHRINGER INGELHEIM PHARMA	12.1/24	FESSH (FEDERATION OF EUROPEAN SOCIETIES FOR SURGERY OF THE HAND)	15.1/67A	MEDARTIS	15.1/09	TAKIRON	15.1/62
BONALIVE BIOMATERIALS	15.1/48	FORTE	15.1/67B	MEDGAL - PPUH MEDGAL		TAVA SURGICAL	12.1/01
BRAINLAB	12.1/28	FX SOLUTIONS	14.1/10	JOZEF BOROWSKI	15.1/06	TRECRES SPA	15.1/55
BRISTOL-MYERS SQUIBB	13/01	GEXFIX	15.1/60-61	MEDI	12.1/04-05	THI	13/03
CARBOFIX ORTHOPEDICS	12.1/49	GROUPE LÉPINE	12.1/33	MEDMIX SYSTEMS	15.1/36	TIANJIN ZHENGtian MEDICAL INSTRUMENTS	12.1/20
CERAMTEC	15.1/32	GRUPPO BIOIMPIANTI	15.1/37	MEDTRONIC INTERNATIONAL TRADING	12.1/26-27	TRB CHEMEDICA	12.1/18
CEREVER	12.1/38	GUANGZHOU CLEAN MEDICAL PRODUCTS		MERETE MEDICAL GMBH	15.1/54	TRIMED	12.1/46
CHANGZHOU HENG JIE MEDICAL DEVICES	12.1/39	HARVEST TECHNOLOGIES	13/02	MOBELIFE	12.1/09	TUTOGEN MEDICAL	15.1/45
CHANGZHOU KANGHUI MEDICAL INNOVATION	15.1/15	HEMACLEAR (OHK MEDICAL DEVICES)	F/07	MTF - MUSCULOSKELETAL		UNITED ORTHOPEDIC CORPORATION	15.1/27
CHINESE MEDICAL ASSOCIATION	BL/08	HERAEUS MEDICAL	15.1/13-14	TRANSPLANT FOUNDATION	15.1/53	VADIN IMPLANTS	F/06
CHM	12.1/41	HIP INTERNATIONAL	15.1/65C	MYELOMA EURONET A.I.S.B.L. / MYELOMA PATIENTS		VIVOSTAT	13/05
CONDOR MEDICALTECHNIK	15.1/33	ICOTEC	12.1/08	NEWCLIP TECHNICS	15.1/47	WALDEMAR LINK	12.1/37
CONCEPT	13/12	ICRS	15.1/66B	NORMED		WHALE IMAGING	15.1/64-65
CORENTEC	12.1/02-03			ORTHOPAEDIC PRODUCT		WISEPRESS	BL/04
COVIDIEN	12.1/58-57			NEWS	BL/01A	WRIGHT MEDICAL TECHNOLOGY EMEA	15.1/28
COVISION MEDICAL TECHNOLOGIES	F/04			ORTHOVIEV	12.1/17	XIAMEN DOUBLE ENGINE	
CROMA PHARMA GES.	15.1/01					MEDICAL MATERIAL	12.1/51
						ZIEHM IMAGING	12.1/15-14
						ZIMMER	12.1/30

## NATIONAL MEMBER SOCIETIES

Albania	AAOST	Albanian Association of Orthopaedic Surgery and Traumatology
Austria	ÖGO	Austrian Society of Orthopaedics and Orthopaedical Surgery
Belgium	BVOT	Belgian Association of Orthopaedics and Traumatology
Belgium	SORBCOT	Belgian Royal Society of Orthopaedic Surgery and Traumatology
Bosnia and Herzegovina	OTSABH	Orthopaedic and Traumatology Surgeons Association of Bosnia and Herzegovina
Bulgaria	BOTA	Bulgarian Orthopaedics and Trauma Association
Croatia	COTA/HUOT	Croatian Orthopaedic and Traumatology Association
Croatia	CrOS	Croatian Orthopaedic Society of the Croatian Medical Association
Cyprus	CAOST	Cyprus Association of Orthopaedic Surgery and Traumatology
Czech Republic	CSOT	Czech Society for Orthopaedics and Traumatology
Denmark	DOS	Danish Orthopaedic Society
Estonia	ETOS	Estonian Orthopaedic Society
Finland	SOY-FOA	Finnish Orthopaedic Association
Former Yugoslav Republic of Macedonia	MAOT	Macedonian Association of Orthopaedics and Traumatology
France	SOFcot	French Society of Orthopaedic Surgery and Traumatology
Germany	BVOU	Professional Association of Orthopaedic Surgeons
Germany	DGOOC	German Association of Orthopaedics and Orthopaedic Surgery
Greece	HAOST	Hellenic Association of Orthopaedic Surgery & Traumatology
Hungary	MOT/HOA	Hungarian Orthopaedic Association
Iceland	IBF	Icelandic Orthopaedic Society
Ireland	IOA	Irish Orthopaedic Association
Italy	SIOT	Italian Society of Orthopaedics and Traumatology
Kosovo	KSOTS	Kosovo Society of Orthopaedics and Trauma Surgeons
Latvia	LTOA	Latvian Association of Traumatology and Orthopaedics
Lithuania	LSOT/LOTD	Lithuanian Society of Orthopaedics and Traumatology
Luxembourg	SLOT	Luxembourgian Society of Orthopaedics and Traumatology
Malta	AOTSM	Association of Orthopaedic & Trauma Surgeons of Malta
Montenegro	AMOT	Association of Orthopaedics and Traumatologists of Montenegro
Netherlands	NOV	Dutch Orthopaedic Association
Norway	NOF	Norwegian Orthopaedic Association
Poland	PTOITR	Polish Orthopaedic and Traumatologic Society
Portugal	SPOT	Portuguese Society of Orthopaedics and Traumatology
Romania	SOROT	Romanian Society of Orthopaedics and Traumatology
Russian Federation	AOTRF	Association of Orthopaedists and Traumatologists of the Russian Federation
Serbia	SOTA	Serbian Orthopaedic Trauma Association
Slovakia	SOTS	Slovak Orthopaedic and Traumatologic Society
Slovenia	SOA/ZOSZD	Slovenian Orthopaedic Association
Spain	SECOT	Spanish Orthopaedic and Traumatology Society
Sweden	SOF	Swedish Orthopaedic Association
Switzerland	SGO-SSO	Swiss Society of Orthopaedic Surgery and Traumatology
Turkey	TSOT/TOTBID	Turkish Society of Orthopaedics and Traumatology
Ukraine	UAOST	Ukrainian Association of Orthopaedic Surgeons & Traumatologists
United Kingdom	BOA	British Orthopaedic Association

## EUROPEAN SPECIALITY SOCIETIES AND OTHER COLLABORATING ORGANISATIONS

AOSpine	AOSpine
AOTrauma	AOTrauma
ARTOF	Association for the Rational Treatment of Fractures
EBJIS	European Bone & Joint Infection Society
EFAS	European Foot and Ankle Society
EFOST	European Federation of National Associations of Orthopaedic Sports Traumatology
EHS	European Hip Society
EORS	European Orthopaedic Research Society
EPOS	European Paediatric Orthopaedic Society
ERASS	European Rheumatism Arthritis Surgical Society
ESB	European Society for Biomaterials
ESPA	European Society of Pelvis And Acetabulum
ESSKA	European Society of Sports Traumatology, Knee Surgery and Arthroscopy
ESTES	European Society for Trauma and Emergency Surgery
EULAR	European League Against Rheumatism
EuroSpine	EuroSpine – the Spine Society of Europe
EWMA	European Wound Management Association
FESSH	Federation of European Societies for Surgery of the Hand
FFN	Fragility Fracture Network
FORTE	Federation of Orthopaedic Trainees in Europe
ICON	International Collaboration of Orthopaedic Nursing
IOF	International Osteoporosis Foundation
ISLASS	International Society of Laser and Percutaneous Procedures in Spinal Surgery
ISTF	International Surgical Thrombosis Forum

## EFORT EXECUTIVE COMMITTEE

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Member at Large	Prof. Dr. Enric Cáceres Palou
Member at Large	Dr. George Macheras
Member at Large	Prof. Dr. Philippe Neyret

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	Mr. John Albert
	Prof. Dr. Thierry Bégué
	Prof. Dr. George Bentley, Past President
	Prof. Dr. Nikolaus Böhler, Past President
	Prof. Dr. Karsten Dreinhöfer
	Prof. Dr. Klaus-Peter Günther
	Prof. Dr. Norbert Haas
	Prof. Dr. Karl Knahr
	Prof. Dr. Rüdiger Krauspe
	Prof. Dr. Maurilio Marcacci
	Prof. Dr. Wolfhart Puhl, Past President
	Prof. Dr. Hakki Sur
	Prof. Dr. Karl-Göran Thorngren, Past President
	Prof. Dr. Dieter C. Wirtz

## STANDING COMMITTEES

EAR Committee	Prof. Dr. Nikolaus Böhler
Education Committee	Prof. Dr. Maurilio Marcacci
EA & L Committee	Prof. Dr. Wolfhart Puhl
Finance Committee	Mr. Stephen Cannon
Health Service Research Committee	Prof. Dr. Karsten Dreinhöfer
Portal Steering Committee	Prof. Dr. Klaus-Peter Günther
Publishing Committee	Prof. Dr. George Bentley (Textbook)
	Prof. Dr. Klaus-Peter Günther (Portal)
	Prof. Dr. Karl Knahr (Book Series)
	Prof. Dr. Wolfhart Puhl (Journal)
Scientific Congress Committee	Prof. Dr. Enric Cáceres Palou
Speciality Society Standing Committee	Dr. George Macheras, Prof. Dr. Rüdiger Krauspe, Prof. Dr. Pierre Hoffmeyer

## TASK FORCES AND AD HOC COMMITTEES

Awards & Prizes Committee	Prof. Dr. George Bentley
Fora	Prof. Dr. Thierry Bégué
Musculoskeletal Trauma Task Force	Prof. Dr. Norbert Haas
Travelling & Visiting Fellowships	Prof. Dr. Philippe Neyret

## LOCAL ORGANISING COMMITTEE BERLIN 2012

Chairman	Prof. Dr. Karsten Dreinhöfer
Chairman	Prof. Dr. Dieter C. Wirtz
Members	Prof. Dr. Hans-Roland Dürr
	Prof. Dr. Axel Ekkernkamp
	Dr. Andreas Gassen
	Prof. Dr. Florian Gebhard
	Prof. Dr. Klaus-Peter Günther
	Prof. Dr. Karl-Dieter Heller
	Dr. Peter Heppt
	Prof. Dr. Heino Kienapfel
	Prof. Dr. Christoph Lohmann
	Dr. Andrea Meurer
	Prof. Dr. Carsten Perka
	Prof. Dr. Wolf Petersen
	Priv.-Doz. Dr. Robert Pflugmacher
	Prof. Dr. Stefan Rehart
	Prof. Dr. Heiko Reichel
	Prof. Dr. Maximilian Rudert
	Prof. Dr. Christian Siebert
	Prof. Dr. Ulrich Stöckle

## SCIENTIFIC COMMITTEE BERLIN 2012

Chairman	Ass. Prof. Dr. Per Kjærsgaard-Andersen
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## CONGRESS ORGANISATION TEAM

EFORT Head Office  
Technoparkstrasse 1  
8005 Zurich, Switzerland  
Phone: +41 44 448 44 00  
Fax: +41 44 448 44 11  
E-mail: [event@efort.org](mailto:event@efort.org)  
[www.efort.org](http://www.efort.org)

### Congress Secretariat

MCI Schweiz AG  
MCI-Zurich Office  
Flughofstrasse 54  
8152 Zurich-Glattbrugg, Switzerland  
Phone: +41 (44) 809 4241  
Fax: +41 (44) 809 4240  
[EFORTinfo@mci-group.com](mailto:EFORTinfo@mci-group.com)

EFORT was established by the national associations for orthopaedics and traumatology of 20 European countries. The federation was founded in Marentino, Italy, in 1991, and now has over 40 national member societies from more than 35 member countries, as well as four associate scientific members. EFORT is established as a non-profit organisation, and all funds are used exclusively in the pursuit of the federation's aim.

"EFORT works on behalf of the European orthopaedic and traumatology community to restore and secure mobility, musculoskeletal health and quality of life."

EFORT will achieve its mission and vision through becoming a reference point in musculo-skeletal diseases and injuries and through raising awareness at the EU and global level and across European patient organizations.

To fulfil its objectives, EFORT organises an annual congress, a comprehensive advanced training programme (the ATP), and is present at major European conferences. It also issues a series of scientific publications, including the "European Orthopaedics and Traumatology" (EOTR) journal, book series and IL (Instructional Lecture) books.

With its annual congress, EFORT offers an international stage for the latest developments in the field of musculoskeletal disease and trauma, and constitutes a unique platform for surgeons, physicians and allied healthcare professionals to absorb and track the latest scientific findings. Following last year's success and as a partner of the European Year for Active Ageing and Solidarity between Generations 2012, we will feature again an EU political symposium entitled "Europe on the move – promoting active and healthy ageing". Furthermore a session on "Injury Prevention" will underline the importance of the initiative Decade of Action for Road Safety 2011–2020.

The ATP is a series of specialised courses taking place throughout the year. Its objective is to improve and harmonise training standards with its member organisations and specialty societies. Newly introduced, the "BAT Educational Programme" is complementing the range of EFORT's educational programme. The acronym BAT stands for **B**asic Courses, **A**dvanced Courses and **T**raumatology Courses, implying that the curriculum is comprised of a module of two basic courses in combination with one on traumatology. The aim of this programme is to foster a problem-solving approach in the diagnosis and management of musculo-skeletal conditions. Check out the next course coming to your region in the online event calendar.

"European Orthopaedics and Traumatology" (EOTR) is EFORT's official journal, and offers a forum for discussion among surgeons and those who work with them, as well as patient organisations. Meanwhile, our book series and IL books ensure comprehensive and dynamic coverage of topical issues throughout the year. Articles published here reflect the broad spectrum of European opinion on daily practice in orthopaedics, and help to promote consensus and accepted standards across the discipline.

Whether via the EFORT Fora, a specialist congress session from one of our national member associations, or one of our fellowship programmes – which are becoming increasingly popular – EFORT strives to enhance and unify orthopaedic and ongoing medical training as well as knowledge transfer.

### Contact us

EFORT Head Office  
Technoparkstrasse 1  
8005 Zurich  
Switzerland  
Phone: +41 44 448 44 00  
Fax: +41 44 448 44 11  
E-mail: [office@efort.org](mailto:office@efort.org)  
[www.efort.org](http://www.efort.org)



## EFORT Advanced Training Programme 2012/2013



**12.09.-14.09.2012**

**EPOS-EFORT 2. BAT Instructional Course – Basic I**

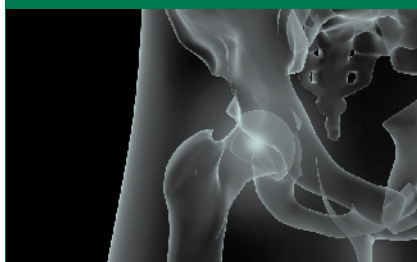
Vienna, Austria



**12.10.-13.10.2012**

**Instructional Course –  
Foot & Ankle: Hallux valgus and ankle arthritis**

Geneva, Switzerland



**24.01.-25.01.2013**

**Instructional Course –  
Hip: Complex primary hip and knee arthroplasty**

Paris, France



**13.03.-15.03.2013**

**EPOS-EFORT 2. BAT Instructional Course – Traumatology**

Vienna, Austria



**09.10.-11.10.2013**

**EPOS-EFORT 2. BAT Instructional Course – Basic Course II**

Vienna, Austria

The "EFORT Forum" project, which is an EFORT symposium at a national congress, began in 2002 at the DGOOC congress in Berlin. The initial idea was to choose one topic for several events, e.g. thromboprophylaxis, and have European experts discuss it with speakers from various countries to clarify different European criteria and arrive at new standards. The idea was very well received, but the problem was to find European speakers ready to deal with the same topic in up to ten different events. Furthermore, we realised that the expectations of such a symposium differ widely between countries.

We have therefore changed our format, and have decided instead to organise up to ten European Fora each year with four to six speakers. We plan to provide updates on a variety of hot topics in our speciality. National societies are free to choose a topic and propose a two-to-four-hour session during the annual congress, preferably on the official opening day or the day after. EFORT Fora should not clash with the main sessions of the congress. At least half of the speakers should come from national societies, and the others from other European countries. For this reason, the Forum language will be English. Whether or not simultaneous translation is needed must be decided by the congress organisers. In recent years, the EFORT Fora have achieved a very high scientific level and provided an excellent platform for exchange between national societies and EFORT. The speakers involved in these Fora were always hosted very graciously, and treated as honoured guests at the congress. Accordingly, the interest in such Fora has growing markedly, and we are delighted to announce seven EFORT Fora at European national congresses in 2012:

1. EFORT FORUM during the KSOTS Congress in Pristina, Kosovo, 11 – 12 May 2012  
Topic: Hip arthroplasty
2. EFORT FORUM during the PTOiTR Congress in Rzeszow, Poland, 19 – 22 September 2012  
Topic: New techniques and developments in orthopaedics and trauma surgery
3. EFORT FORUM during the HAOST Congress in Athens, Greece, 3 – 6 October 2012  
Topic: Management of the osteoarthritic knee in the young patient
4. EFORT Forum during the SPOT Congress in Albufeira, Portugal, 17 – 19 October 2012  
Topic: Degenerative knee. The challenge with the young and active patient
5. EFORT FORUM during the PanCyprian Orthopaedic Conference in Cyprus, 26 – 28 October 2012  
Topic: First ray pathology (H.V. hallux valgus)
6. EFORT Forum during the SIOT Congress in Rome, Italy, 10 – 14 November 2012  
Topic: Complex proximal humeral fractures
7. EFORT Forum during the SOFCOT Congress in Paris, France, 12 – 15 November 2012  
Topic: Overuse syndrome

We invite all EFORT national member societies to organise such Fora in the future.

# Opening Ceremony & Welcome Reception



## OFFICIAL OPENING AND WELCOME RECEPTION

Date	Wednesday, 23 May 2012
Time	18.30–20.00, followed by the welcome reception
Place	ICC Berlin, Hall 2
Programme	Official opening addresses Award presentation
	The show act during the opening ceremony is performed by the "Flying Steps". The world-class urban dance crew Flying Steps Family from Berlin presents a breath taking performance using urban dance moves and choreography to interpret a mix of modern beats and classical music. Classic meets Breakdance!



## BERLIN NIGHT

Date	Thursday, 24 May 2012
Time	20.30–02.00
Place	Kaufhaus Des Westens (KaDeWe), Berlin
Programme	The world-famous Gourmet area of the KaDeWe opens its doors exclusively for EFORT. Entertainment and delicacies from the four corners of the world await you. Later in the evening you are invited to dance and enjoy the musical entertainment of the Lightning Family in the KaDeWe Roofgarden.
Dress code	Semi-formal
Price	EUR 86 + local VAT (excl. transport)
Admission	Tickets must be booked in advance



## About Berlin



Berlin fascinates visitors with its contrasts and contradictions. It was the capital of Germany until 1945. After World War II, it became a city divided politically and by the famous Berlin Wall. When the border between East and West Berlin was opened on 9 November 1989, it marked the beginning of the end of the division of a nation which has existed since 1945. With the proclamation of the State Treaty between the two German states in October 1990, Berlin once again became a united city, and shortly after again capital of Germany.

Berlin's inhabitants represent many nationalities, languages and cultures and give Berlin its cosmopolitan flair. East Berlin, once the capital of East Germany, is a fascinating mixture of historical Berlin and former socialist city, which is rapidly developing a new face. West Berlin, long famous for its diverse cultural and political life, has retained its brash, lively character.



Berlin is the city of muses, artists and museums and its culture is as multi-faceted as the city itself. It is varied, exciting and always original. Berlin is at the cutting edge of music, art and lifestyle trends. At the same time outstanding museums, orchestras and theatres continue to cultivate the city's great traditions. There are over 170 museums packed with the world's art treasures and fascinating historical exhibitions spanning the centuries. There are museums appealing to every taste and interest including the renowned National Gallery, the Egyptian Museum (with the famous bust of Queen Nefertiti), the Bauhaus Museum, the Pergamon Museum and the exquisite porcelain collection at Palace Charlottenburg, to name just a few.

Furthermore, Berlin is also home to an amazingly inventive pool of more than 6000 artists, who are busily creating dynamic young art for tomorrow's collections.



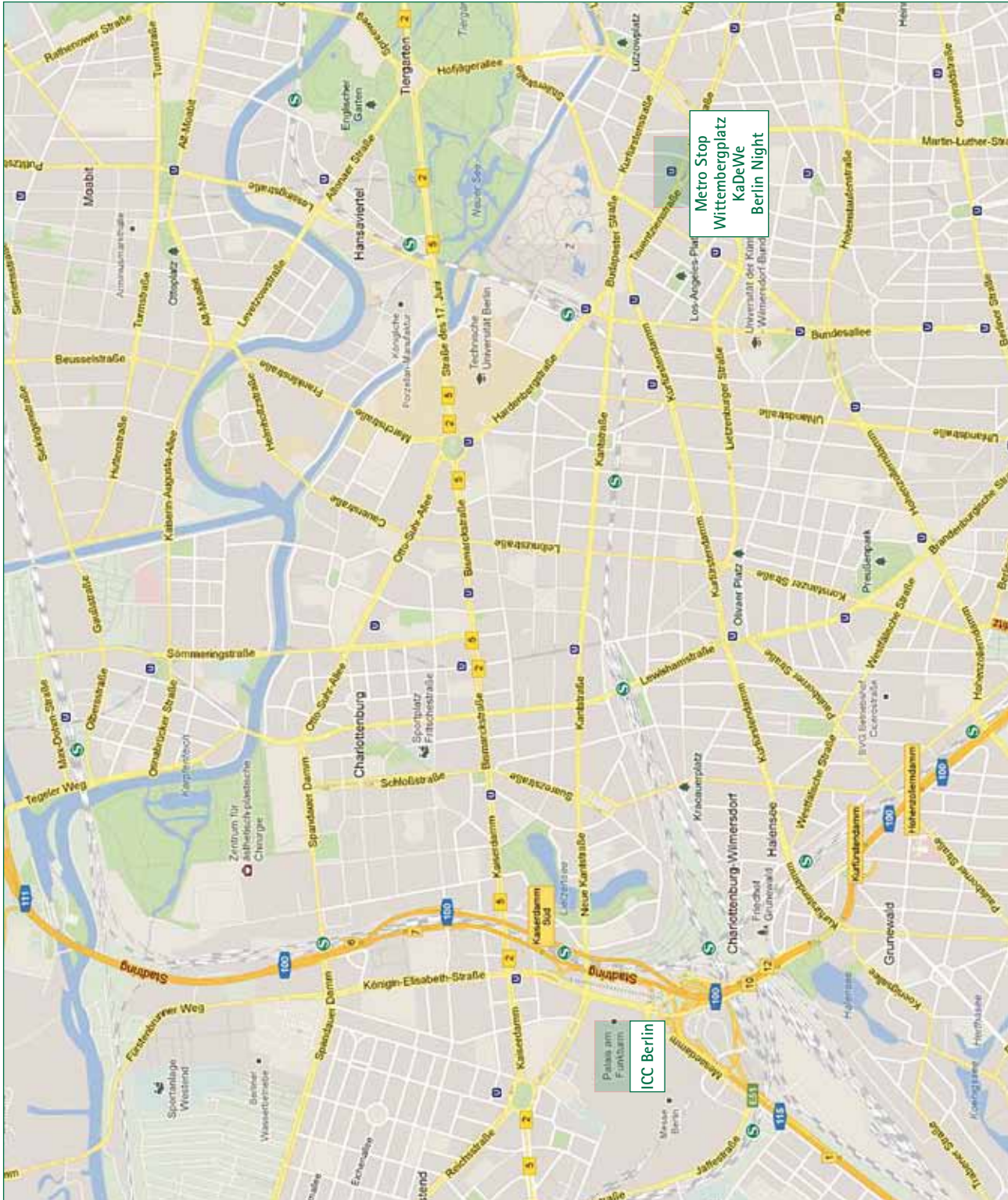
Visitors can wander about the museum village of the earliest Berlin settlement, through the lovely villa district of Dahlem, or promenade and shop in the elegant shops along the famous Kurfürstendamm and Unter den Linden. They can enjoy the colourful multicultural scene in Kreuzberg or Prenzlauer Berg, or discover the rustic village character of the outer districts.

Discover Berlin as the Mepotropolis between East and West, two cities becoming one!

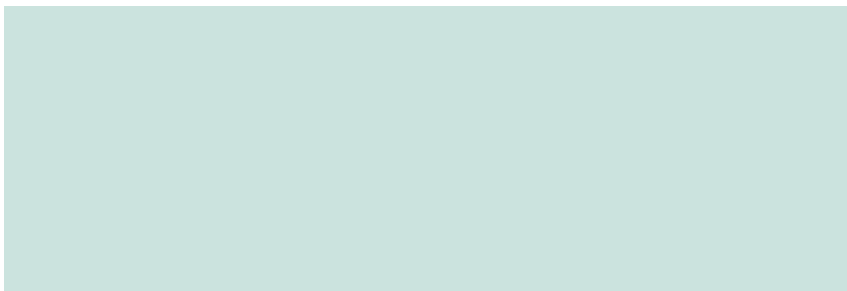




# About Berlin



# General Congress Information



Congress venue	ICC Berlin Neue Kantstrasse / Ecke Messedamm 14057 Berlin, Germany Phone + 49 (0)30 3038 3000 Fax + 49 (0)30 3038 3030 Internet <a href="http://www.icc-berlin.de">www.icc-berlin.de</a>	
Congress secretariat	MCI Schweiz AG MCI-Zurich Office Flughafenstrasse 54 8152 Zurich-Glattbrugg, Switzerland Phone + 41 (44) 809 4241 Fax + 41 (44) 809 4240 e-mail <a href="mailto:EFORTinfo@mci-group.com">EFORTinfo@mci-group.com</a>	
Registration desk and slide preview centre opening hours	Tuesday, 22 May Wednesday, 23 May Thursday, 24 May Friday, 25 May	from 14.00 to 18.00 from 07.00 to 18.00 from 07.00 to 18.00 from 07.00 to 18.00
On-site registration fees (incl. 19% VAT)	Participants Residents in training* Students* Nurses and allied providers Nurse sessions only ExMEx sessions each  The Comprehensive Orthopaedic Review Course (CRC) Accompanying person One-day registration	EUR 481 EUR 341 EUR 160 EUR 160 EUR 57 EUR 58  EUR 143 EUR 105 EUR 211
*Certificate from training doctor, copy of student card or proof of occupation is required		

## Registration fee for participants includes

- Admission to scientific sessions and satellite symposia
  - Abstract CD
  - Congress bag with numerous Congress documents
  - Opening / Award Ceremony and Welcome Reception
  - Admission to the industry exhibition
  - European CME credits
  - Certificate of attendance
  - Voucher for local transport (except for one-day registrations and allied care providers, incl. nurses, student and exhibitors)
- 

## Registration fee for participants in the CRC includes

- Admission to the full-day CRC course on 25 May (approx. 08.00-17.00)
  - Admission to the industry exhibition (day of CRC course only)
  - Lunch package
  - European CME credits
  - Certificate of attendance
- 

## Registration fee for accompanying persons includes

- Opening/Award Ceremony and Welcome Reception
  - Admission to the industry exhibition
  - Voucher for local transport
- 

## Registration fee does not include

- Lunches and refreshments
  - Berlin Night
  - Charity run/walk (tbc)
  - Optional tours
  - Hotel costs
-

# General Congress Information

Abstracts	The abstract CD Rom is included in your congress bag and contains all the abstracts which have been accepted by the programme committee.
Badges	<p>All delegates and accompanying persons will receive a name badge at the registration desk in the foyer of the ICC Berlin. This badge is the official conference ID and should be worn at all times in order to gain entry to the meeting rooms and exhibition halls. A delegate's badge grants entry to the various elements of the scientific programme. Admission to the Congress will not be allowed without badge identification. Vouchers for courses and workshops that have been booked in advance will be handed out with the registration materials.</p> <p>Every delegate is asked to check when they receive their congress materials that all vouchers for services booked are present. Later objections will not be accepted. These vouchers allow the delegate to attend courses and workshops that have been booked and paid for in addition to the registration fee. Only delegates who have registered for the Congress or paid for a day ticket may participate in courses or workshops. Please note that lost or forgotten vouchers will not be refunded. A day pass will be issued for EUR 20 if a badge is forgotten. Lost badges will be reissued for a handling and production fee of EUR 30.</p> <p>Your badge will feature a barcode containing your full address and e-mail. It is your decision whether or not you wish to disclose these details to exhibitors via a barcode scanner.</p>
Bank services	Banks are open from 10.00 am to 4.00 pm, Monday to Friday. At Tegel airport you will find an international currency exchange which is open from 5.00 am to 9.30 pm seven days a week. ATM machines and services are generally provided outside of banks and accept all international credit cards, Maestro, Cirrus and Bancomat cards. An ATM is also available at the information desk in the foyer of the ICC.
Certificate of attendance	All registered attendees, whether they register in advance or on site, will receive a certificate of attendance issued on site.
Certificate of European CME credits	The certificate of European CME credits will be available to registered participants online after the Congress. Full attendance at the Congress entitles a delegate to 18 European CME credits (ECMECs).
Cloakroom and storage	A cloakroom and luggage deposit located at the main entrance will be available during the official Congress time schedule. The congress centre and the organisers are not responsible for any items lost or left behind.
Congress app	Download the congress programme to your mobile device (iPhone®, iPad® or Android). You will be able to view the day-by-day programme, select sessions, and create your own timetable. Just download the "EFORT 2012" app from the App Store or Andoid App Market.







# General Congress Information






Media check/speaker preview	All session rooms are equipped with computer projection. Speakers are asked to hand in their presentations for a media check (ICC Lounge, main foyer) at least three hours before their speech. Speakers giving a presentation during the first time slot in the morning are asked to hand in their slides the day before.	
Media check opening hours:	Tuesday, 22 May	from 14.00 to 18.00
	Wednesday, 23 May	from 07.00 to 18.00
	Thursday, 24 May	from 07.00 to 18.00
	Friday, 25 May	from 07.00 to 18.00
Message board	There will be a message board close to the registration desk where delegates can leave messages.	
Mobile phones	Mobile phones are strictly prohibited during all scientific sessions.	
No-smoking policy	Smoking is strictly prohibited during all meetings and sessions, and in exhibition halls, at all times.	
Posters	Scientific e-posters will be displayed in hall 12. Those selected as the best posters (preinformed) may also be presented on poster walls in hall 12. The size of your poster should not exceed A0 oversize (88.2 cm width, 124.7 cm height).  <b>Posters may be set up on</b> Wednesday, 23 May from 09.00 to 12.00 Posters should be removed on Friday, 25 May between 15.00 and 18.00 (latest). Posters not removed at this time will be discarded.	

## Travel information

There are direct motorway links to the ICC from Berlin's international airports. A total of 12 000 parking spaces are available at and the around the venue. Taxi ranks, underground and light rail stations and bus stops can all be found close to the main entrance of the EFORT congress venue.

### PUBLIC TRANSPORT

Within Berlin, Verkehrsverbund Berlin-Brandenburg (VBB) fares apply. The Berlin public transport system is efficient, and the combination of buses, trams, the U-Bahn (underground) and S-Bahn (commuter rail) reaches every part of the sprawling city and its surroundings. The U-Bahn and S-Bahn are the best ways of getting around. Buses cover the parts of the city that cannot be reached by train, and East Berlin has a network of modernised tram lines of pre-war origins. With a VBB ticket, you can use all the means of transport offered by the various transport companies in Berlin and Brandenburg. The main stop for the Congress is "Messe Nord/ICC". This stop is on the East-West connection through the city centre, passing the main stations of Zoologischer Garten, Potsdamer Platz, and Alexanderplatz.

	U-Bahn/S-Bahn/Bus line number	Stop/Station
	2	Kaiserdamm
	5	Messe Süd
	41, 42, 46	Messe Nord
	5, 7, 41, 42, 45, 46, 47, 75	Westkreuz
	M49, X34, X49, 104, 139, 349	Messedamm/ZOB/ICC

### BY CAR

#### *Environmental Zone*

Please note that the Environmental Zone came into force in Berlin on 1 January 2008. Vehicles may only enter this area if they display a valid sticker showing that their emissions do not exceed a specified level of fine particulates. Signs have been erected on the roads clearly showing where the Environmental Zone begins. The exhibition grounds and ICC are located outside the Environmental Zone. Visitors arriving by car via the motorway system and entering the exhibition grounds directly via the interchange marked "Messegelände/Messedamm" are outside the zone and therefore do not require a sticker.

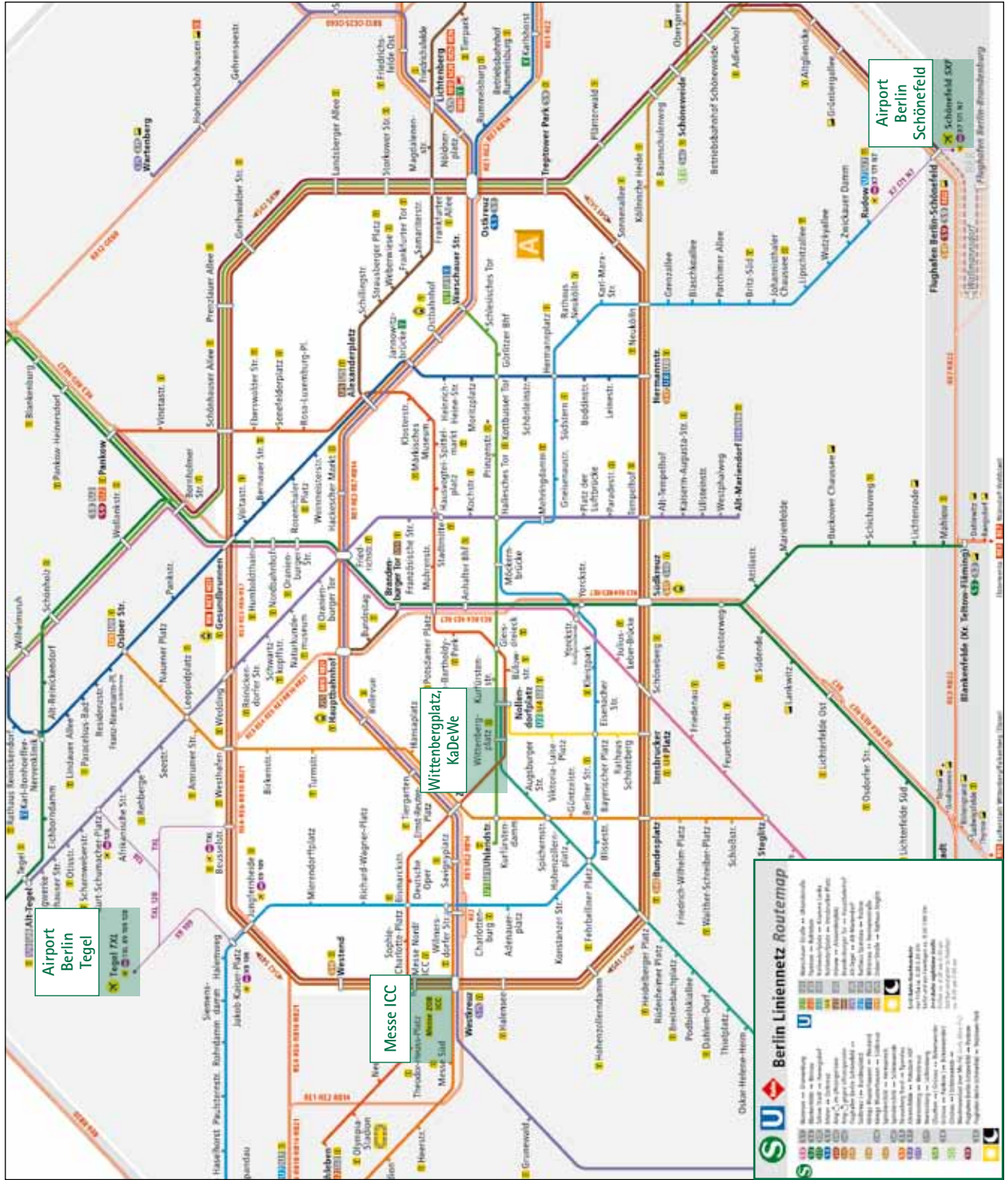
More information:

[www.berlin.de/sen/umwelt/luftqualitaet/de/luftreinhalteplan/umweltzone\\_aktuelles.shtml](http://www.berlin.de/sen/umwelt/luftqualitaet/de/luftreinhalteplan/umweltzone_aktuelles.shtml)

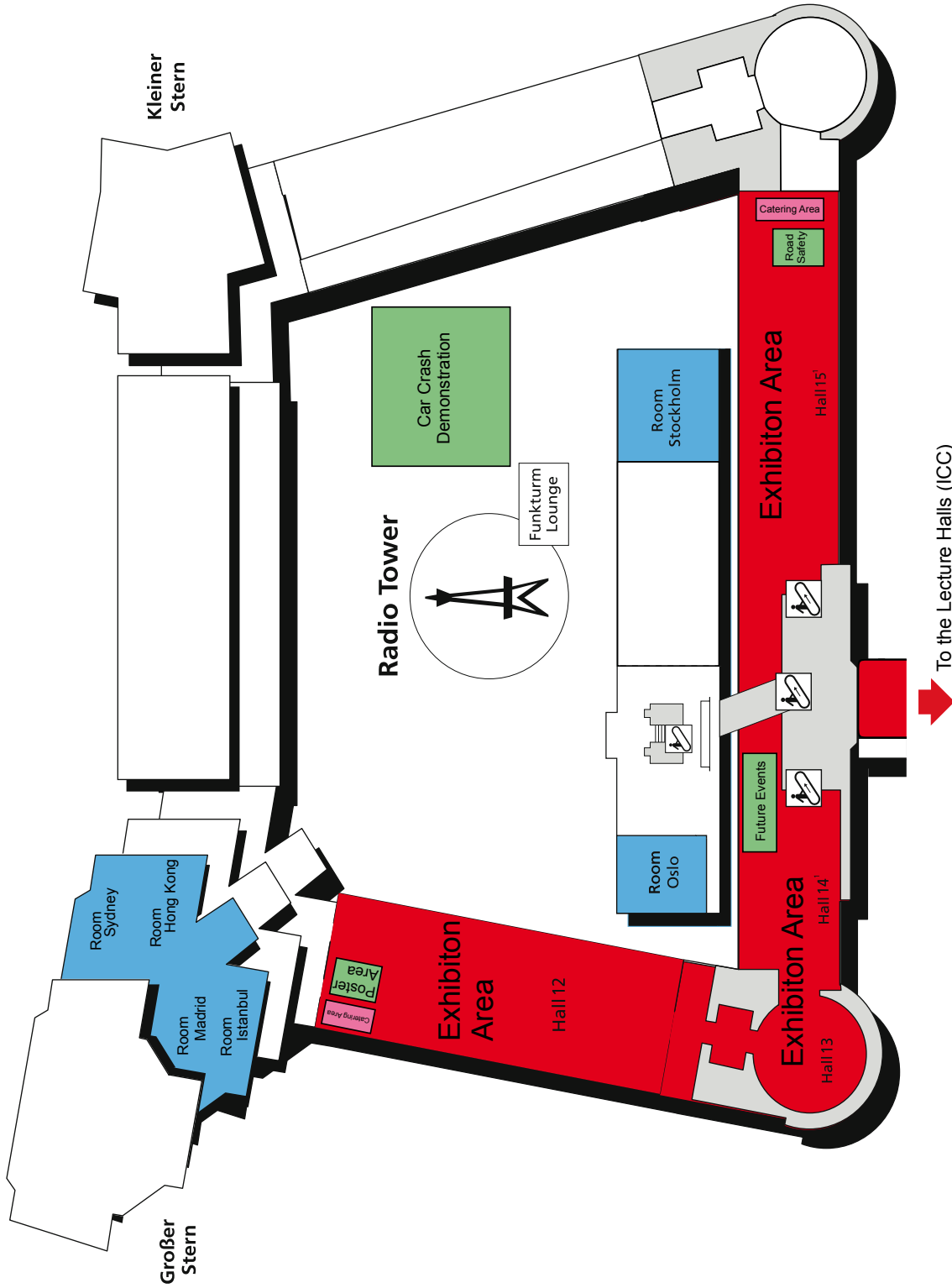
The *Autobahn* motorway network radiates from the German capital like a star, and most of these motorways can now carry six lanes of fast-moving traffic. Once you are on the A10 (Berliner Ring), look for the signs to "Messegelände" at the "Nuthetal", "Oranienburg", "Schönefelder Kreuz" and "Pankow" junctions. These will lead you directly to the A100, A111 and A115 (Avus) motorway and the "Funkturn" junction, where you turn off at the "Messegelände" exit. 5 000 parking spaces are situated in the direct vicinity of the exhibition grounds/ICC.

# Travel information

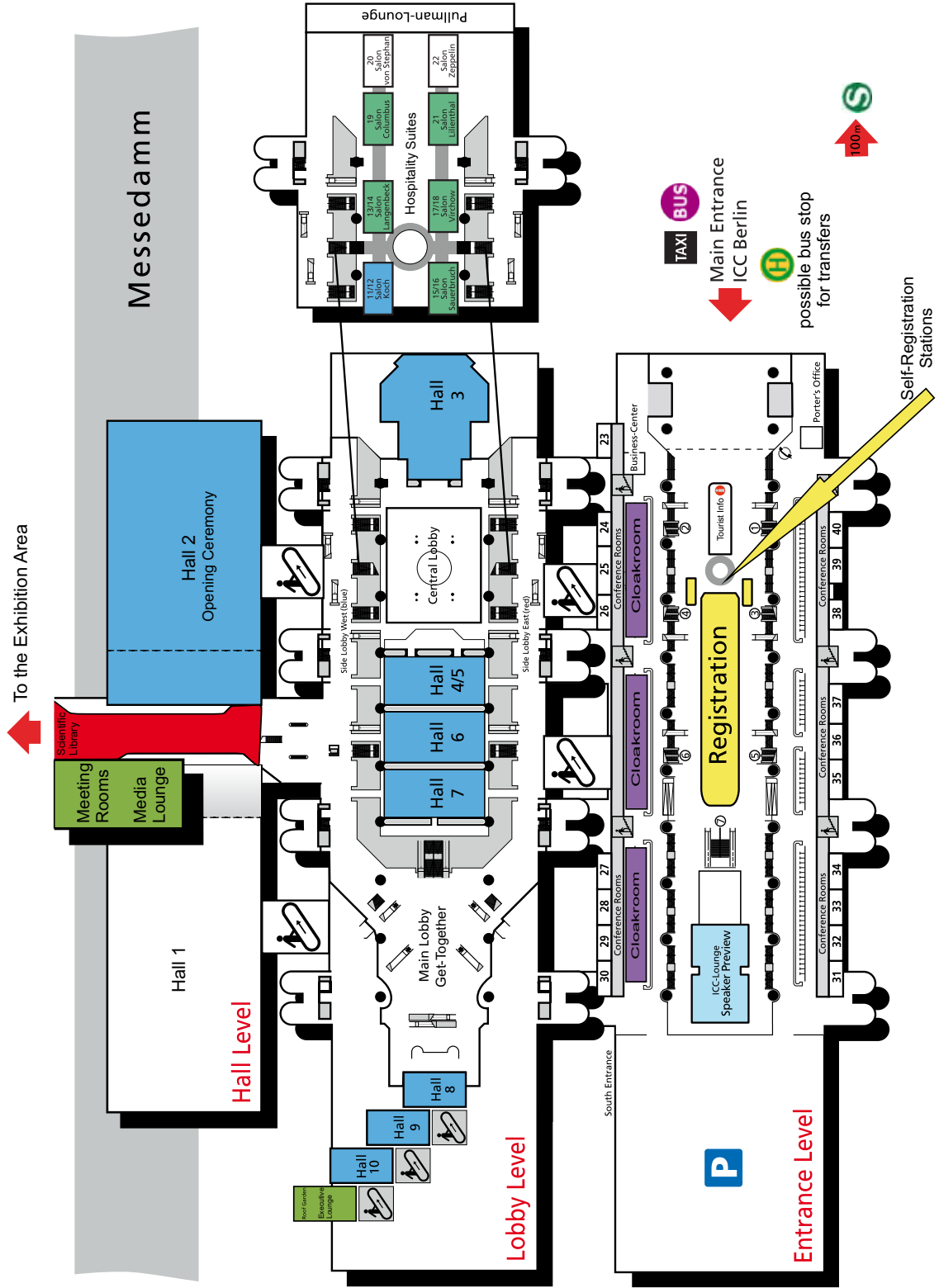
GENERAL CONGRESS INFORMATION



Exhibition Area



Lecture Halls







# YOU'VE ONLY JUST ARRIVED & ALREADY WE'RE THINKING OF YOUR NEXT TRIP

As the official airline network for the 13th EFORT Congress 2012, we'd like to thank you for choosing the Star Alliance™ network and hope that all goes really well for you here today.

Whilst you concentrate on the day's events, we hope you'll consider us the next time you need to attend a conference.

With over 21,000 flights a day to 1,290 airports across 189 countries, our 27 member airlines will extend a wide choice of flights to any future conference you're planning to attend. And no matter which of those airlines' frequent flyer programmes you belong to, you can earn and redeem miles across all of them.

So the next time you want to concentrate all your energies on your conference, we hope you'll decide to leave the travel arrangements to us.

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General Orthopaedics

NR.	TITLE	AUTHORS
<b>Bone and joint tumours</b>		
EFORT12-1231	Clinical outcomes following resection of well-differentiated liposarcoma	Yamamoto, Norio / Shirai, Toshiharu / Nishida, Hideji / Hayashi, Katsuhiro / Kimura, Hiroaki / Takeuchi, Akihiko / Igarashi, Kentaro / Tanzawa, Yoshikazu / Tsuchiya, Hiroyuki / Miwa, Shinji
EFORT12-1251	A longitudinal study of Single System Langerhans Cell Histiocytosis affecting the musculo-skeletal system: Presentation, management and follow up	Mitra, Aveen / Pastides, Philip / Wong, James / Aston, William / Briggs, Timothy / Tirabosco, Roberto / Skinner, John / Pollock, Robin / George, Sally / Brock, Penelope / Nanduri, Vasanta / Cannon, Stephen
EFORT12-1412	Our experience in the treatment of the osteoid osteoma with percutaneous CT-guided excision combined with CT-guided radiofrequency ablation	Blanco, Ramón P. / Plasencia, Miguel Ángel / Aragón, Amanda / Vaquerizo, Victor / Morales, Beatriz
EFORT12-1470	Joint-preserving reconstruction of metaphyseal malignant bone tumours using tumour-bearing massive bone treated with liquid nitrogen	Tsuchiya, Hiroyuki / Yamamoto, Norio / Shirai, Toshiharu / Hayashi, Katsuhiro / Nishida, Hideji / Takeuchi, Akihiko / Tanzawa, Yoshikazu / Kimura, Hiroaki / Miwa, Shinji / Igarashi, Kentaro
EFORT12-1793	Orthopedic-cosmetic correction acquired valgus deformation of tibia at small children	Kuksov, Vitaly
EFORT12-1900	Proximal humerus reconstruction in bone tumor surgery: Osteoarticular allografts vs allograft-prosthesis composites in different techniques	Scoccianti, Guido / Caff, Giuseppe / Moser, Benedikt / Matera, Davide / Ippolito, Massimiliano / Campanacci, Domenico / Capanna, Rodolfo / Beltrami, Giovanni
EFORT12-1946	The management of chondromyxoid fibromas: The RNOH experience	Al-Khateeb, Hesham / Bhamra, Jagmeet / Pollock, Robin
EFORT12-2034	Monitoring the adequacy of open biopsies of bone and soft tissue lesions	Ferguson, Peter / Griffin, Anthony / Wunder, Jay / Davidson, Darin / Brown, Chris / Biau, David / Bhumbra, Rej / Weiss, Kurt
EFORT12-2105	Selective arterial embolization of Aneurysmal Bone Cysts of the sacrum: An effective treatment and proper alternative to surgery	Guder, Wiebke / Harges, Jendrik / Gosheger, Georg / Streitbürger, Arne / Vieth, Volker / Beck, Laura / Henrichs, Marcel-Philipp
EFORT12-2176	Zirconia-induced foreign-body granuloma mimicking local recurrence of a chondrosarcoma with metastases	Harges, Jendrik / Streitbürger, Arne / Henrichs, Marcel-Philipp / Gosheger, Georg / Ahrens, Helmut / Guder, Wiebke / Broeking, Jan Niklas
EFORT12-2247	Swarms search for cancerous lesions: Artificial intelligence use for accurate identification of bone metastasis on bone scans	Al-Rifaie, Mohammad / Bishop, Mark / Aber, Ahmed
EFORT12-2469	The functional results after reconstruction with a modular endoprosthesis in the treatment of primary malignant and metastatic bone tumors in the lower extremity	Sezgin, Hicabi / Terkuran, Ali / Erdogan, Murat / Dabak, Nevzat
EFORT12-2642	The outcome of intralesional curettage for low-grade chondrosarcoma of long bones	Khan, Yasmeen / Hanna, S / Whittingham-Jones, P / Sewell, Mathew / Pollock, Robin / Skinner, John / Saifuddin, A / Flanagan, A / Cannon, Stephen / Briggs, Timothy
EFORT12-2750	Children vertebral and costo-vertebral malignant tumors: Results of "en-bloc" vertebrectomy with a 7.5 years average follow-up	Blondel, Benjamin / Choufani, Elie / Viehweger, Elke / Jouve, Jean-Luc / Launay, Franck / Bollini, Gerard
EFORT12-2807	Stump lengthening procedure (SLP) as an alternative to hip disarticulation and high- thigh amputation: A salvage procedure in tumour and revision surgery	Streitbürger, Arne / Gosheger, Georg / Vogt, Bjoern / Hoell, Steffen / Henrichs, Marcel-Philipp / Harges, Jendrik



## General Orthopaedics

NR.	TITLE	AUTHORS
EFORT12-3155	Treatment of recurrent chondrosarcoma: Definition of treatment concepts in consideration of the status of disease at event local recurrence	Streitbürger, Arne / Henrichs, Marcel-Philipp / Gosheger, Georg / Guder, Wiebke / Harges, Jendrik
EFORT12-3221	Reconstruction of diaphyseal osseous tumors with intercalary allograft	Peiró Ibanez, Ana / Trullols, Laura / Almenara Fernandez, Marta / Moldovan, Radu / Gracia Alegria, Isidro / Gómez Masdeu, Mireia / Ibañez Aparicio, Natalia M
EFORT12-3537	Haptic robotic-arm assisted surgery substantially improves accuracy of wide resection of bone tumors	Pearle, Andrew / Boland, Patrick / Lipman, Joseph / Healey, John / Khan, Fazel / Jones, Jennifer
EFORT12-3602	Extraosseous migration of a primary aneurysmal bone cyst following CT-guided core needle biopsy	Papavasiliou, Kyriakos / Nikopoulou, Aggeliki / Kyrkos, Margaritis / Pelliou, Stavros / Kapetanios, Georgios
EFORT12-3749	Clinical results of osteosynthesis in femoral bone metastasis	Badila, Adrian Emilian / Radulescu, Radu Adrian / Nutiu, Octavian / Manolescu, Robert / Ciobanu, Traian / Japie, Ioan Mihai / Papuc, Alexandru / Ninulescu, Cristian / Radulescu, Dragos
EFORT12-4264	Giant Cell Tumors of the distal radius reconstruction after tumoral excision with osteoarticular allograft and temporary arthrodesis	Trullols, Laura / Almenara Fernandez, Marta / Peiró Ibanez, Ana / Natera Cisneros, Luis Gerardo / Gracia Alegria, Isidro / Moldovan, Radu
EFORT12-4282	High grade malignant schwannomas of peripheral nerves	Trullols, Laura / Almenara Fernandez, Marta / Peiro Ibanez, Ana / Gracia Alegria, Isidro / Gómez Masdeu, Mireia / Moldovan, Radu
EFORT12-4675	An alternative to free vascularized fibula grafting for the reconstruction of a massive tibial defect in a patient with a vascular variation using Ilizarov technique	Georgiou, Christos / Saridis, Alkis / Megas, Panagiotis / Diamantakis, Georgios / Tyllianakis, Minos
EFORT12-4770	Instrumental Gait analysis after limb preservation procedures to resect malignant tumors of the thigh	Müller, Sebastian / Beckmann, Nicholas / Wolf, Sebastian / Lehner, Burkhard
EFORT12-4778	The role of myeloma screening in low back pain admissions aged >55	Ayana, Gamada / Badhesha, Jaswant / Spence, Stephanie
EFORT12-4836	Implantation of tumormegaprotheses after resection of skeletal metastases	Henrichs, Marcel-Philipp / Streitbürger, Arne / Gosheger, Georg / Vogt, Bjoern / Harges, Jendrik / Broeking, Jan Niklas
EFORT12-4871	Resection and reconstruction for limb salvage with bone contend tumor treated with liquid nitrogen	De Moura, Marcio / Forlin, Edilson / Gomes, André / Torres, Luiz Fernando / Sanches, Diego / Oliveira, José Renato
EFORT12-5330	Excellent results of conservative management in the treatment of a lytic lesion in the proximal humerus in multiple myeloma: A case report	Ashford, Robert / Isaac, Sherif
EFORT12-5375	Percutaneous CT guided radio-frequency ablation of osteoid osteoma of the foot and ankle: A retrospective study on 29 patients	Daniilidis, Kiriakos / Vogt, Björn / Gosheger, Georg / Höll, Steffen / Martinelli, Nicolo / Henrichs, Marcel-Philipp / Streitbürger, Arne / Vieth, Volker / Harges, Jendrik
EFORT12-5505	Regressive enchondroma: Experience of 13years of follow up of cartilaginous tumor	Rochwerger, Alexandre / Souteyrand, Philippe / Lemeur, Mael / Zink, V / Marciano, Sandrine / Chagnaud, Christophe / Curvale, Georges
EFORT12-5561	Management and outcome of periprosthetic fractures around modular megaprotheses after tumor resection	Funovics, Philipp / Altmann, Tino / Dominkus, Martin / Windhager, Reinhard
EFORT12-5796	Intralesional curettage with calcium sulfate bone filler for a high-grade Giant Cell Tumor of the femoral head in a pediatric patient	Tsoumpos, Pantelis / Panagiotopoulos, Dimitrios / Megas, Panagiotis / Anagnostou, Konstantinos / Georgiou, Christos



## General Orthopaedics

NR.	TITLE	AUTHORS
<b>General Orthopaedics / complications / basic science / technology</b>		
EFORT12-1277	A comparative study on the prevalence of musculoskeletal complaints among musicians and non-musicians	Nelissen, Rob / Kok, Laura / Vliet-Vlieland, Thea
EFORT12-1339	Short-term results of percutaneous Concentrated Autologous Bone Marrow Aspirate Transplantation (CABMAT) in eleven cases of non-union	Mishima, Hajime / Aoto, Katsuya / Li, Meihua / Yoshioka, Tomokazu / Sakai, Shinsuke / Akaogi, Hiroshi / Sakane, Masataka / Ochiai, Naoyuki / Kamada, Hiroshi / Sugaya, Hisashi
EFORT12-1394	Revision rates after arthroplasty – average benchmarks based on worldwide Arthroplasty Register datasets	Labek, Gerold
EFORT12-1419	Increased need for transfusion with Rivaroxaban compared to Enoxaparin: Mediated through increased prothrombin time?	Bandorf, Nadine / Glynn, Aaron / O'Rourke, Kieran
EFORT12-1433	Parameter analysis on design and position of an electro-stimulating screw implant used for treatment of avascular necrosis of the femoral head	Souffrant, Robert / Klüß, Daniel / Ellenrieder, Martin / Ewald, Hartmut / Mittelmeier, Wolfram / Bader, Rainer / Su, Yukun
EFORT12-1472	Are morphine and its derivate morphine-6-glucuronide alternatives for the intraarticular use of amid-type anaesthetics?	Herten, Monika / Kircher, Jörn / Ickert, Irina / Vogl, Melanie / Krauspe, Rüdiger
EFORT12-1527	Effects of 5'-(n-ethylcarboxamido) adenosine on proliferation and differentiation of human bone marrow-derived mesenchymal stem cells	Jung, Sungweon / Lee, Seungjun / Jung, Jinsup / Suh, Kuentak / Kim, Hee Joong
EFORT12-1529	Magnetic resonance imaging of the proximal femur predicts marrow cellularity and the number of mesenchymal stem cells	Jung, Jinsup / Ahn, Jaemin / Bae, Jungyun / Lee, Insook / Kim, Daewoong / Lee, Hongseok / Seong, Yoonjae / Lee, Jungsub / Kim, Hee Joong / Suh, Kuentak
EFORT12-1574	Distractation and recovery of the neuromuscular junction after application of extracorporeal shock wave therapy	Ochiai, Nobuyasu / Saisu, Takashi / Takaso, Masashi / Takahashi, Kazuhisa / Ohtori, Seiji / Tomonori, Kenmoku
EFORT12-1652	Consenting in hip fracture operations: Are we up to standards?	Smith, Nicholas / Thompson, Peter / Foguet, Pedro / Jordan, Robert
EFORT12-1683	Tablets in trauma: Using mobile computing platforms to improve patient understanding and experience	Bradford, Oliver / Furness, Nicholas
EFORT12-1702	Finite element analysis of bone remodelling and validation by dual-energy X-ray absorptiometry after short stemmed total hip arthroplasty	Kurtz, Agnes / Nolte, Ingo / Weigel, Nelly / Behrens, Bernd / Bouguecha, Anas / Windhagen, Henning / Stukenborg-Colsman, Christina / Lerch, Matthias
EFORT12-1708	Digital templating facilitates accurate leg length correction in total hip arthroplasty	Jassim, Shivan / Ingham, Christopher / Keeling, Matthew / Wimbhurst, James
EFORT12-1730	Postoperative satisfaction in shoulder surgery correlates with meeting of preoperative expectations	Sanchez, Juan Francisco / Gil, Sergi / Santana, Fernando / Cáceres Palou, Enric / Torrens, Carlos / Martinez-Martos, Sara
EFORT12-1731	Advancing patient-reported outcome assessment in orthopaedics: Development of a computer-adaptive version of the Forgotten Joint Score (FJS-CAT)	Kuster, Markus / Holzner, Bernhard / Giesinger, Karlmeirrad / Giesinger, Johannes
EFORT12-1917	Post-operative numbness of the knee following total knee arthroplasty: Should we inform the patient?	Green, Carl / Black, Rachael / Sochart, David

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## General Orthopaedics

NR.	TITLE	AUTHORS
EFORT12-1993	Ten years experience in lower limb reconstruction with Megasystem C	Campanacci, Domenico / Frenos, Filippo / Lorenzoni, Antonella / Caff, Giuseppe / Beltrami, Giovanni / Scoccianti, Guido / Matera, Davide / Mondanelli, Nicola / Cuomo, Pierluigi / Capanna, Rodolfo
EFORT12-2056	Acute kidney injury following lower limb arthroplasty	Katam, Krishnaiah / Lawrence, Trevor / Racu-Amoasii, Daniela
EFORT12-2057	In vivo progression of bone ingrowth into porous-coated implants employed to fill long bone defects	Suarez, Miguel / Fernandez Fairen, Mariano / Murcia Mazon, Antonio / Torres, Ana
EFORT12-2133	The use of individually wrapped pre-sterilised small orthopaedic implants increases operating time	Khan, Yasmeen / Tokarczyk, Szymon / Eleftheriou, Kyriacos / Pearce, Chris
EFORT12-2280	Gabapentin induced jaundice following total knee arthroplasty	Farrington, Bill / Sangamnerkar, Geeta / Inglis, Tom
EFORT12-2301	Biocompatibility and environmental stress cracking of ECIMA™ material	Traynor, Alison / Simpson, David / Collins, Simon / Morton, Leona
		Selected within the best e-posters
EFORT12-2324	Comparison of postoperative hemoglobin levels in elderly patients with pertrochanteric fractures managed by intramedullary nailing- our therapeutic protocol	Papadopoulos, Anestis / Grigoriadis, Georgios / Saloupis, Panagiotis / Exouzidis, Konstantinos / Eftyhiakos, Nikolaos / Xeidakis, Stylianos / Christakis, Nikolaos / Koukos, Anastasios / Chatzipetrou, Thomas
EFORT12-2354	Challenges in measurement of bone mineral density via qCT for patient-specific finite element models	Aulmann, Linda / Barkhausen, Jörg / Weyers, Imke / Schulz, Arndt Peter / Wendlandt, Robert / Sitzler, Annette
EFORT12-2438	Comparison of aggression levels in orthopaedic and medical consultants	Wright, Andrew / Barlow, David / Barlow, Tim
EFORT12-2460	Comparison between Arixtra and Clexane, in postoperative volume of drainage in lower limbs joint replacements	Twiston Davies, Ceri / Haddad, Ziad / Tehran, Ramin
EFORT12-2598	Risk factors in popliteal artery acute thrombosis following total knee arthroplasty	Rodríguez Chacón, Luis / Martínez-Delgado, Fernando / Benedi, José A. / López-Marco, José / Arán, Consuelo
EFORT12-2609	A European atlas of musculoskeletal conditions and their impact	Woolf, Anthony
EFORT12-2660	Patient compliance and acceptance of oral anticoagulants following Joint replacement surgery	Yarlagadda, Rathan / Keenan, Jonathan / Ramsingh, Vasanth / Taylor, Clare
EFORT12-2688	Malpositioning and balancing in total knee arthroplasty alters tibiofemoral kinematics	Chevalier, Yan / Labey, Luc / Pascale, Walter / Innocenti, Bernardo / Pianigiani, Silvia
EFORT12-2730	Platelet-Derived Growth Factor BB – the new biological frontier for augmenting tissue healing and regeneration	Solchaga, Luis / Snel, Leo
EFORT12-2769	Timeliness of orthopedic publications in the light of public health: A 15–49 year followup of literature after endoprostheses	Wurzer, Paul / Labek, Gerold / Böhler, Nikolaus / Pabinger, Christof
EFORT12-2781	Raman spectroscopy: A novel method for the detection of molecular changes in osteoarthritis	Kerns, Jemma / Perera, Jonathan / Buckley, Kevin / Shepperd, Adam / Birch, Helen / Miles, Jonathan / Gikas, Panagiotis / Briggs, Timothy / Parker, Anthony / Matousek, Pavel / Goodship, Allen
EFORT12-2809	Over-drilling the near cortex can reduce the stiffness of locking plate-bone constructs	Chen, Jerry / Yew, Andy Khye Soon / Chou, Siaw Meng / Chia, Shi-Lu / Koh, Joyce Suang Bee / Howe, Tet Sen
EFORT12-2838	Does early administration of Rivaroxaban cause increased wound complications?	Roberts, David / Abbas, G / Daoud, M / Kincaid, R

## General Orthopaedics

NR.	TITLE	AUTHORS
EFORT12-2848	Effect of levobupivacaine on human chondrocytes in vitro	Cobo-Molinos, Jesús / Amate-Lucena, Elena / Poncela, Mercedes / Marchal-Corrales, Juan Antonio / Delgado-Martinez, Alberto D.
EFORT12-2850	Improving enhanced recovery in lower limb arthroplasty patients with a modern wound dressing: A prospective clinical audit	Hopper, Graeme P. / Deakin, Angela H. / Crane, Evan O. / Clarke, Jon V.
EFORT12-3057	Dosage and exposition time dependent toxicity in human chondrocytes after single shot use of local anaesthetics of the amid type	Kircher, Jörn / Vogl, Melanie / Krauspe, Rüdiger / Herten, Monika / Ickert, Irina
EFORT12-3077	Aging-related changes in human skeletal muscle mitochondrial metabolism in association with muscle mass and contractile function	Paju, Kalju / Peet, Nadezda / Seppet, Joosep / Erelina, Jaan / Gapeyeva, Helena / Pääsuke, Mati / Eimre, Margus / Märtsion, Äare / Seppet, Enn / Haviko, Tiit / Pääsuke, Reedik
EFORT12-3137	Which radiological feature is a true predictor of clinical severity in knee osteoarthritis?	Srivastava, Rajeshwar / Sanghi, Divya
EFORT12-3175	Arthroscopic reintervention after unicompartmental knee arthroplasty	Heisel, Christian / Sobau, Christian / Franke, Stephanie / Ries, Christian / Rejith, Valsalan
EFORT12-3216	Finger tourniquets: What are the safe options and what are the hand surgeons in the UK using?	Upadhyay, Piyush / Brewster, Mark / Wade, Peter / Hill, Christopher / Uppal, Harpal
EFORT12-3267	The fate of acutely inflamed joints with a negative synovial fluid culture	Khanduja, Vikas / Oni, DB / Arora, Arvind / Muniz-Terrera, Graciela / Hujazi, Ihab
EFORT12-3327	Biomechanical testing of biodegradable and conventional osteosynthesis for osteochondral fragments in a sheep model	Schulz, Arndt Peter / Mohsen, Hellal / Juergens, Christian / Vahjen, Bjoern / Buescher, Robin / Wendlandt, Robert / Kienast, Benjamin Joachim
EFORT12-3470	The effect of smoking on fracture healing: A review	Clement, Rhys / Pearson, Richard / Scammell, Brigitte
EFORT12-3533	Accuracy of robotic arm assisted acetabular cup implantation	Thompson, Matthew / Conditt, Michael / Branch, Sharon / Dunbar, Nicholas / Banks, Scott / Jones, Jennifer / Padgett, Douglas
EFORT12-3539	Rivaroxaban versus fondaparinux for the prevention of venous thromboembolic disease in total knee replacement: An independent prospective cohort study of 252 cases	Fennema, Peter / Hourlier, Hervé
EFORT12-3592	Diabetes Mellitus hampers tendon healing	Schizas, Nikos / Ahmed, Aisha / Ahmed, Mahmood / Bray, Robert / Salo, Paul / Hewitt, Carol / Hart, David / Ackermann, Paul
EFORT12-3653	Autologous platelet-rich plasma promoted proliferation of synovial fluid mesenchymal stem cells in alginate hydrogel	Tang, Hao Che / Chen, Chih Hwa
EFORT12-3726	Orthopaedic surgeons – twice as strong as an ox and half as smart	Subramanian, Padmanabhan / Kantharuban, Shanjitha / Subramanian, Venkatesh / Willis-Owen, Saffron / Willis-Owen, Charles
EFORT12-3743	Biomechanical characterization of a novel synthetical fracture model of the osteopenic distal humerus	Schulz, Arndt Peter / Rank, Christina / Renken, Felix / Waizner, Klaus / Wendlandt, Robert
EFORT12-3826	Do clear instructions reduce missing responses in HOOS questionnaires? An RCT comparing the original HOOS with two modified versions	Berkhmer, Olvert / Van Beers, Loes / Scholtes, Vanessa / Poolman, Rudolf

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NR.	TITLE	AUTHORS
EFORT12-3830	Non critical size defect atrophic non-union model in rat: Surgical technique and its mesenchymal progenitor cells	Spadaccino, Antonello / Péault, Bruno / Tawonsawatruk, Tulyapruak / Simpson, Hamish
EFORT12-3973	Increased levels of BMP-2 in the synovial fluid in painful total knee arthroplasty	Pfützner, Tilman / Geissler, Sven / Duda, Georg / Perka, Carsten
EFORT12-3976	3D finite element modeling of clavicle for stress fractures prediction	Abrassart, Sophie / Hoffmeyer, Pierre / Barea, Christophe
EFORT12-3992	Throwing away money in the operating theatre: Improving waste disposal in a NHS District General Hospital	Southorn, Tom / Gardner, Kate / Baxandall, Richard
EFORT12-4035	Aspirin versus Rivaroxaban following elective primary total hip or knee arthroplasty	Vachtsevanos, Leonidas / Edwards, David
EFORT12-4094	Size matters: A questionnaire-based study of the clinical interpretation and documentation of wound size	Stevenson, Helene / Sahni, Vishal / Peterson, Nicholas
EFORT12-4205	Human placenta derived mesenchymal-like adherent stromal cells for the treatment of skeletal muscle injury in rats	Von Roth, Philipp / Winkler, Tobias / Radojewski, Piotr / Netzer, Nir / Grynspar, Frida / Perka, Carsten / Duda, Georg
EFORT12-4210	Controversies in plastering training and techniques: An analysis of regional orthopaedic trainees and a scientific approach in assessing which materials and methods are best used in the presence of swelling	Kelsall, Nikki / Goodwin, Mark / Mumith, Aadil / Walker, Robert
EFORT12-4234	Mesenchymal stroma cell therapy following muscle trauma leads to improved muscular regeneration in both male and female individuals	Perka, Carsten / Radojewski, Piotr / Duda, Georg / Strohschein, Kristin / Von Roth, Philipp / Winkler, Tobias
EFORT12-4332	The importance of submalleolar deformity in determining leg length discrepancy	Ali, Ayman / Walsh, Michael / Dimitrov, Borislav D. / O'Brien, Timothy
EFORT12-4518	Influence of platelet lysate on proliferation and differentiation of human bone marrow-derived mesenchymal progenitor cells	Herten, Monika / Vogl, Melanie / Jäger, Marcus / Krauspe, Rüdiger
EFORT12-4583	Length of stay following joint replacement surgery: What is the best measure to compare hospitals?	Charles, Loren / Back, Diane / Davies, Andrew / Earnshaw, Peter / Ajuied, Adil / Wong, Fabian
EFORT12-4586	Transfusion rates after using PRP in total knee arthroplasty	Smith, Keisha / Petrera, Pasquale / Dunn, Jessica
EFORT12-4619	The titan hip stem problem – a retrieval study	Ellison, Peter / Høl, Paul / Hallan, Geir / Furnes, Ove / Havelin, Leif / Wangen, Helge / Heier, Tore / Gjerdet, Nils
EFORT12-4620	Orthopaedic junior doctor allocation – are we evidence based?	Page, Giles / Foster, Richard / Haslam, Paul / Tomlinson, James
EFORT12-4652	Expression of polycystin-1 in degenerative spondyloarthritis	Triantafyllopoulos, Georgios / Piperi, Christina / Chatziioannou, Sophia / Basdra, Efthimia / Papavassiliou, Athanassios / Pneumaticos, Spyros
EFORT12-4813	A rare case of bilateral femoral fractures on a patient with essential hypovitaminosis D	McArthur, John / Uppal, Harpal / Hughes, Steven / Makrides, Panayiotis
EFORT12-4875	The proficiency of angle estimation within a typical orthopaedic department, Sunderland Royal Hospital	Dobson, Philip / Michla, Yusuf

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NR.	TITLE	AUTHORS
EFORT12-4907	Evaluation of the braking abilities of pre-operative patients complaining of right knee symptoms: Comparison with healthy individuals	Smitham, Peter / McCarthy, Ian / Lewis, Yohan / Lingham, Aranghan / Shaw, David / Asaad, Asaad
EFORT12-4915	The influence of statins on fracture repair in an ovariectomised animal model	Zazgyva, Ancuta / Gergely, Istvan / Russu, Octav / Zuh, Sandor Gyorgy / Pop, Tudor Sorin / Nagy, Ors
EFORT12-5197	Use of the WHO Surgical Safety Checklist in trauma and orthopaedic patients	Jeyaseelan, Luckshmana / Sewell, Mathew
EFORT12-5372	Pre operative digital radiograph templating for hip arthroplasties	Whittaker, J / Dhawan, Rohit
EFORT12-5401	Aspirin versus low molecular weight heparin for extended venous thromboembolism. Prophylaxis following total hip arthroplasty: A double-blind randomized controlled trial (The EPCAT Study)	Vendittoli, Pascal-André / Anderson, David / Dunbar, Michael / Bohm, Eric / Belzile, Étienne / Kahn, Susan / Zukor, David / Fisher, William / Gofton, Wade / Gross, Peter / Pelet, Stephane / Crowther, Mark / Macdonald, Steven / Kim, Paul / Pleasance, Susan / Davis, Nicki / Andreou, Pantelis / Wells, Philip / Kovaks, Michael / Rodger, Marc / Ramsay, Tim / Carrier, Marc / Marquis, Serge
EFORT12-5441	Silver doped hydroxyapatite coating of titanium implants are safe and effective method of prevention of infections associated with orthopedics implants	Caylak, Remzi / Dogan, Aydin / Peksen, Ceren / Köse, Nusret
EFORT12-5444	Severe anaphylactic reaction to chlorhexidine during total hip arthroplasty surgery. A case report	Van Der Weegen, Walter / Sijbesma, Thea / Rockmann, Heike
EFORT12-5529	Haemophilic chronic sinovitis: Therapy of hemartrosis using endovascular embolization in knee and elbow	Caviglia, Horacio / Galli, Eduardo / Galatro, Gustavo / Vatani, Nosratollah / Daffunchio, Carla
EFORT12-5594	Exploiting phosphonate chemistry to present biomolecules at the orthopaedic implant interface	Maheswaran, Tim / Birch, Mark / Higham, Lee
EFORT12-5684	Patient Matched Cutting Block (PMCB) - First results using Visionaire Technology	Drnek, Dominik
EFORT12-5695	The SOAP (Standardised Orthopaedic Admission Proforma) Project	Thomson, Wendy / Siddiqui, Bobby
EFORT12-5809	Appliance of Ilizarov apparatus for treatment of crural pseudarthrosis	Lalic, Ivica / Stankovic, Milan / Kecojevic, Vaso / Vukajlovic, Bosko / Matijevic, Radmila / Tomic, Sanja
EFORT12-7005	Observations with surgically-retrieved 2nd generation highly cross-linked HWMPE	Rowell, Shannon / Muratoglu, Orhun / War,nomae, Keith
EFORT12-7007	Primary bone marrow injection in long bone fracture	Hassarizadeh, Zabihollah / Rahimnia, Alireza / Khodadadi, Akbar

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NR.	TITLE	AUTHORS
<b>Infection</b>		
EFORT12-1107	MRSA screening for elective lower limb arthroplasty: A DGH audit in the United Kingdom	Johnson, Thomas / Morehouse, Liane / Rogers, Shaun / Guleri, Achyut / Dunkow, Paul / Jain, Neil
EFORT12-1382	The role of aspiration in prosthetic joint infections: Which sampling techniques are best?	Smith, Nicholas / Foguet, Pedro / Jordan, Robert
EFORT12-1811	Bioactive glass for the treatment of cavitory defects in osteomyelitis	Manzi, Giovanni / Calamita, Marco / Logoluso, Nicola / Romanò, Carlo
EFORT12-2184	Effective antimicrobial activity of silver-coatings against problematic orthopaedic germs	Ahrens, Helmut / Höll, Steffen / Schulz, Dino / Lübben, Timo / Sattler, Frauke / Dieckmann, Ralf / Alt, Nils / Harges, Jendrik / Gosheger, Georg
EFORT12-2417	Outpatient parenteral antibiotic therapy in primary hip and knee arthroplasty infection	Sims, Alex / Baker, Paul / McMurtry, Ian
EFORT12-2618	Benefit of a routine preoperative screening on infectivity for HBV, HCV and HIV before elective orthopaedic surgery	Eberle, Josef / Schrimpf, Florian / Jansson, Volkmar / Huber-Wagner, Stefan / Weber, Patrick
EFORT12-2901	Preoperative aspiration for the identification of the microorganism in prosthetic joint infection	Jordan, Robert / Smith, Nicholas / Foguet, Pedro
EFORT12-3012	Easy, effective and controlled enrichment of bone grafts with antibiotics	Wildemann, Britt / Bormann, Nicole
EFORT12-3342	Therapy of intracellular Staphylococcus Aureus	Kreis, Carolin / Rosslbroich, Steffen / Grueneweller, Niklas / Raschke, Michael / Fuchs, Thomas
EFORT12-3626	The microbiology of prosthetic joint infection in a tertiary referral centre	Webb, Jason / O'Kane, Lauren / Blom, Ashley / Lovering, Andrew / Brunton, Luke / Murphy, Thomas / Whitehouse, Michael
EFORT12-3649	Simultaneous leg lengthening and knee fusion in an infected type a-hemophiliac patient with ilizarov device	Tsibidakis, Harimodos / Guerreschi, Francesco / Lovisetti, Luigi / Camagni, Marco / Catagni, Maurizio / Biffi, Andrea /
EFORT12-3846	Results and methods for infected femoral no-unions	Camagni, Marco / Guerreschi, Francesco / Lovisetti, Luigi / Biffi, Andrea / Catagni, Maurizio / Tsibidakis, Harimodos
EFORT12-3988	Simultaneous free muscle flap and Ilizarov method for post traumatic infection of the tibia. The Oxford experience	Stubbs, David / Ramsden, Alex / Critchley, Paul / Giele, Heink / McNally, Martin / Kugan, Raj
EFORT12-4138	Sonication cultures of removed orthopaedic implants to improve the microbiological diagnosis of prosthetic joint infection	Mariconda, Massimo / Ascione, Tiziana / Conte, Marco / Rotondo, Renato / Balato, Giovanni / Smeraglia, Francesco / Costa, Giovan Giuseppe / Aitanti, Emanuele
EFORT12-4260	Radiographic and pathohistologic morphometry of treatment success of experimental osteomyelitis in rabbits with antibiotic-impregnated human bank bone or antibiotic bone cements	Burner, Ursula / Plenk, Hanns / Kujundzic, Meliha / Kaudela, Karl
EFORT12-4278	Effect on bacterial adhesion of physico-chemical modified titanium alloy surface by ultraviolet(UV) irradiation. In vivo study	Caballero, Ventura / Quiles, Manuel / Pacha, Miguel / Delgado, Maria / Gallardo, Amparo / Giraldo, Ciro / Gonzalez, Maria Luisa / Constantino, Juan A.
EFORT12-4472	In vitro activity of gentamicin-loaded resorbable beads against Staphylococcus Epidermidis	Thein, Eric / Rio, Laura / Trampuž, Andrej / Bétrisey, Bertrand / Borens, Olivier
EFORT12-4608	Infected non-union of the tibia. Correlations and deviations from the current management algorithm	Lagaras, Apostolos

## General Orthopaedics

NR.	TITLE	AUTHORS
EFORT12-4782	Haematogenously acquired infection of a total knee arthroplasty with <i>Streptococcus Salivarius</i>	Andrews, Rachel / Bamber, Rebecca / Sprot, Harry
EFORT12-4814	Toxicity of antiseptics on primary human chondrocytes in vitro	Röhner, Eric / Hoff, Paula / Perka, Carsten / Matziolis, Georg
EFORT12-4968	The Krkovac method – a novel technique for the treatment of infected metalwork in orthopaedic patients using skin closure over irrigated vacuum assisted closure dressings	Chapman, Anna / Norris, Rory / Krkovic, Matija
EFORT12-5347	The role of silver ion doped hydroxyapatite coated external fixators in preventing bacterial colonization	Köse, Nusret / Doyuk, Elif / Dogan, Aydin / Abdurrahman Kiremitçi, Abdurrahman / Peksen, Ceren / Koparal, Savas <i>Selected within the best e-posters</i>
EFORT12-5405	Antibiotic prophylaxis in open fractures across england – are orthopaedic departments following british orthopaedic association recommendations?	Mills, Simon / Charalambous, Charalambos
EFORT12-5731	Sensitivity and specificity of procalcitonin in the field of orthopaedic revision surgery	Glehr, Matthias / Sadoghi, Patrick / Friesenbichler, Joerg / Gruber, Gerald / Hofmann, Günther / Bernhardt, Gerwin / Zacherl, Maximilian / Avian, Alexander / Windhager, Reinhard / Leithner, Andreas / Maurer-Ertl, Werner
EFORT12-5857	Compliance with prophylactic antibiotics guidelines for trauma patient s in Kings Mill hospital, complete audit cycle	Bagouri, Elmunzar / Malhotra, Rishi / Sulkarni, Sushrut
EFORT12-5870	Results of using bioactive glass S53P4 (BonAlive®) in reconstructive orthopaedic surgery – a 12-month follow-up study	Bataga, Tiberiu

## Osteoporosis

EFORT12-1361	Thyroid function within the upper normal range is associated with reduced bone mineral density and an increased risk of nonvertebral fractures in healthy euthyroid postmenopausal women	Zidrou, Christiana / Papageorgiou, Konstantinos / Apostolidis, Konstantinos / Kyriakidis, Theophylaktos / Kyriakidis, Anastasios <i>Selected within the best e-posters</i>
EFORT12-1557	Fragility fractures: Are we doing enough?	Gibbons, Charles / Nicou, Marilena / Ahluwalia, Raju / Silk, Zacharia
EFORT12-1722	Subsequent hip fracture in osteoporotic hip fracture patients	Moon, Kyoung Ho
EFORT12-2217	Secondary prevention of fragility fracture in patients with fracture neck of femur - are we following NICE guidelines?	Haque, Syed / Umar, M / Sundararajan, S
EFORT12-4168	Vertebral fractures in patients with rheumatoid arthritis	Backa, Teuta / Ruci, Vilson / Koko, Vjollca / Ruci, Julian / Ruci, Dorina
EFORT12-4842	The callus index as a marker of delayed callus remodeling following bisphosphonate therapy	Simpson, A / Savaridas, Terence
EFORT12-5051	Excess mortality due to fragility hip fractures	Ojeda-Thies, Cristina / Gil-Garay, Enrique / Macho-Pérez, Oscar / Bohórquez-Heras, Cristina / Torrijos-Eslava, Antonio
EFORT12-5277	Genes expression analysis in peripheral blood and bone segments of osteoporotic oostmenopausal women by microarrays and qRT-PCR	Dailiana, Zoe / Samara, Stavroula / Chassanidis, Chris / Aleporou-Marinou, Vassiliki / Kollia, Panagoula / Koromila, Theodora



## General Orthopaedics

NR.	TITLE	AUTHORS
<b>Pain Control / rehabilitation and non-surgical management</b>		
EFORT12-1168	Evaluation of a verbal rating scale for post-operative pain in hip fracture patients	Bech, Rune / Lauritsen, Jens / Ovesen, Ole / Overgaard, Søren
EFORT12-1278	Comparison of a novel spring-loaded crutch with existing crutch designs: an analysis of gait phases and user preference	Weiler, Richard / Smitham, Peter / Holloway, Catherine / Papadosifos, Nikos / Maswania, Jay / Grange, Simon / Rudge, Will
EFORT12-1313	Test-retest reliability of Common Mental Disorders – Screening Questionnaire (CMD-SQ) in patients with hip total replacement	Bilberg, Randi / Nørgaard, Birgitte / Roessler, Kirsten / Overgaard, Søren
EFORT12-1821	The results of digital block using single injection of local anesthetic agent into the flexor tendon sheath at the area of metacarpophalangeal joint	Espandar, Ramin / Yazdani, Shideh / Imami, Ali
EFORT12-2000	Risk of delirium and mortality in delirious patients reduced by orthogeriatric approach in hip fracture patients	Riis, Troels / Jørgensen, Henrik L. / Duus, Benn / Van der Mark, Susanne / Tanum, Gry
EFORT12-2237	CFR-PEEK based articulations as a new standard for cervical disc prosthesis	Kabir, Koroush / Schwiesau, Jens / Grupp, Thomas / Pflugmacher, Robert / Burger, Christof / Wirtz, Dieter
EFORT12-2314	Have patients with hip osteoarthritis reduced pain threshold?	Kuni, Benita / Wang, Haili / Büttner, Annemarie / Rickert, Markus / Ewerbeck, Volker / Schiltenswolf, Marcus
EFORT12-3386	A randomised controlled trial on erythropoietin and blood salvage as transfusion alternatives in orthopaedic surgery using a restrictive transfusion policy	So-Osman, Cynthia / Nelissen, Rob / Koopman-van Gemert, Ankie / Kluyver, Ewoud / Poll, Ruud / Onstenk, Ron / Van Hilten, Joost / Jansen-Werkhoven, Thekla / Brand, Ronald / Brand, Anneke
EFORT12-4538	What proportion of patients report long-term pain after total hip or knee arthroplasty for osteoarthritis? A systematic review of prospective studies in unselected patients	Beswick, Andrew / Wylde, Vikki / Goberman-Hill, Rachael / Blom, Ashley / Dieppe, Paul
EFORT12-4547	Pre-surgical interventions to optimise functional health before hip and knee arthroplasty. A systematic review of randomised controlled trials	Beswick, Andrew / Elvers, Karen / Stefanovich-Lawbuay, Natalija / Artz, Neil / Goberman-Hill, Rachael / Blom, Ashley
<b>Sports / knee soft-tissue</b>		
EFORT12-1077	Repair of chronic meniscal tears: do they really heal?	Reategui, Diego / Sastre, Sergi / Lozano, Luis / Ares, Oscar / Suso, Santiago / Popescu, Dragos
EFORT12-1263	Standardised transtibial ACL reconstruction technique can result in high reproducibility rate of the optimal femoral tunnel position: Radiographic review	El-Husseiny, Moataz / Kamal, Tamer / Talawadekar, Gautam / Gregoras, Ionut / Jeer, Chan / Elnikety, Sherif / Vinayakam, Parth
EFORT12-1910	Comparison of all-inside meniscal repair devices with matched inside-out suture repair	Kovtun, Konstantin / Dow, William / McKenzie, Brett / Nazarian, Ara / Deangelis, Joseph / Ramappa, Arun / Rosso, Claudio
EFORT12-1954	Clinical outcome comparison of semitendinosus and Gracilis tendon versus patellar tendon autografts for ACL reconstruction: An 11-year follow-up of a randomized controlled trial	Sajovic, Matjaz
EFORT12-2073	Risk factors for medial meniscus posterior root tears	Jung, Kwang-Am / Lee, Choon-Key / Hwang, Byoung-Yoon / Lee, Su-Chan
EFORT12-2505	Medial patellofemoral ligament avulsion injury from the patella: Classification, surgical technique and clinical outcome	Sillanpää, Petri / Mäenpää, Heikki / Pihlajamäki, Harri

## General Orthopaedics

NR.	TITLE	AUTHORS
EFORT12-2543	Clinical outcome measures in anterior cruciate ligament rupture and reconstruction: The value of outcome score prediction	Al-Dadah, Oday / Shepstone, Lee / Donell, Simon
EFORT12-2752	Mid-term results of Autologous Matrix Induced Chondrogenesis (AMIC) for treatment of cartilage defects in the knee: The AMIC Registry	Gille, Justus / Reiss, Eric / Zoch, Werner / Volpi, Piero / De Girolamo, Laura / Anders, Sven / Behrens, Peter /
EFORT12-3022	Revision anterior cruciate ligament surgery and the posterior-inferior tibial slope	Cannon, Thomas / Carmont, Michael / Sutton, Paul / Guy, Stephen
EFORT12-3151	A case report and literature review of the rare Morel-Lavallée lesion masquerading as recalcitrant bursitis of the knee	Dala-Ali, Benan / Verhelst, Luk / Mallucci, Patrick / Haddad, Fares / Vanhegan, Ivor
EFORT12-3338	Injuries sustained during the men's Lacrosse world championships 2010	Webb, Mark / Webb, Robin / Price, Jessica
EFORT12-3396	Outcome after partial medial meniscus substitution with a polyurethane meniscal implant at a one-year follow-up	Ranera, Miguel / Castro, Angel / García, David / Díaz, José / Muniesa, Pilar / Martin Hernandez, Carlos
EFORT12-3497	Complications following anterior cruciate ligament reconstruction – analysis using national hospital episode statistics	Downen, Daniel / Jameson, Simon / Reed, Mike / Deehan, David
EFORT12-4136	A comparison of two different tibial fixation devices in hamstring graft anterior cruciate ligament reconstruction	Abalo, Eduardo / Ayerza, Miguel / Costa-Paz, Matias / Corinaldesi, Emilio
EFORT12-4190	Identifying orthopaedic surgeons of the future: The inability of some medical students to achieve competence in basic arthroscopic tasks despite training – a randomised study	Auplish, Sunil / Alvand, Abtin / Khan, Tanvir / Gill, Harinderjit / Rees, Jonathan
EFORT12-4215	Learning and retaining complex arthroscopic knee skills	Price, Andrew / Gill, Harinderjit / Rees, Jonathan / Alvand, Abtin / Jackson, William / Al-Ali, Sami / Khan, Tanvir
EFORT12-4308	The link between the structure and function of the infrapatellar plica and anterior knee pain	Race, Amos / Smallman, Thomas
EFORT12-4519	Innate arthroscopic skills in medical students and variation in learning curves	Alvand, Abtin / Auplish, Sunil / Khan, Tanvir / Gill, Harinderjit / Rees, Jonathan
EFORT12-4543	Validating a global rating scale to monitor resident learning during complex arthroscopic tasks	Khan, Tanvir / Jackson, William / Price, Andrew / Middleton, Robert / Alvand, Abtin / Gill, Harinderjit / Rees, Jonathan
EFORT12-4718	Osteochondral autologous graft transfer system in the knee: Mid-term results	Erdil, Mehmet / Bilsel, Kerem / Omer Faruk, Taser / Cengiz, Sen / Mehmet, Asik
EFORT12-4789	Does obesity negatively affect the functional results of arthroscopic partial meniscectomy?	Bilsel, Kerem / Sungur, Mustafa / Dikmen, Goksel / Tuncer, Nejat / Polat, Gokhan / Tuncay, Ibrahim / Asik, Mehmet / Erdil, Mehmet
EFORT12-4888	Navigated knee kinematics after cutting of the ACL and its secondary restraint: A cadaver study	Monaco, Edoardo / Speranza, Attilio / Ferretti, Andrea / D'Arrigo, Carmelo / Maestri, Barbara
EFORT12-5122	MRI anatomical risk factors identification for ACL injury	Duarte, Filipe / Sousa, Antonio / Raposo, Frederico / Valente, Luis / Gonçalves, Antonio / Pinto, Rui / Rodrigues, André / Freitas, Joana / Vidinha, Vítor
EFORT12-5125	Double incision mini-invasive with BTB vs STG in the repair of the ACL: Isokinetic evaluation and its impact on functional results	Duarte, Filipe / Sousa, Antonio / Raposo, Frederico / Valente, Luis / Gonçalves, Antonio / Pinto, Rui / Rodrigues, André / Freitas, Joana / Vidinha, Vítor

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## General Orthopaedics

NR.	TITLE	AUTHORS
EFORT12-5406	Topical lidocaine patch has an analgesic effect after arthroscopic meniscectomy. A double-blind placebo-controlled randomized study	Bennedsgaard, Kristine / Bjerke, Marthe / Rasmussen, Sten
EFORT12-5422	Our experience in the outpatients treatment of ACL injuries	Villalba, Jordi / Martinez-Grau, Patricia / Ramon, Jordi / Torner, Pere / Serra, Magdalena / Valls, Marc
EFORT12-5461	Does tunnel position effect the rate of tunnel widening in single bundle ACL reconstruction using hamstring tendons?	Shetty, Sanath Kumar / Saadat, Waqar / Htike, Zin / Hanna, Amir
EFORT12-5597	Results of posterior cruciate ligament reconstruction using quadriceps tendon patellar bone autograft compared to hamstring tendon graft	Goyal, Tarun / Nag, Hira
EFORT12-5678	The effect of cooled irrigation fluid on pain relief following arthroscopy of the knee: A double blind randomised controlled trial	Khan, Tanvir / Price, Andrew / Jackson, William / Al-Ali, Sami / Beard, David

## Tribology

EFORT12-1615	In-vitro wear and finite element analysis of tibial polyethylene inserts in case of malalignment of total knee replacement	Zietz, Carmen / Souffrant, Robert / Middelborg, Lars / Fulda, Gerhard / Mittelmeier, Wolfram / Bader, Rainer
EFORT12-2470	Does cementing the tibial keel and peg in a knee replacement affect the pull out strength of the tibial component from the bone – a biomechanical study assessing two cementation techniques	Boyce Cam, Nick / Fleming, Leigh / Sisodia, Gurudatt / Elnaggar, Mohamed / Chakrabarty, Guatam / Blunt, Liam
EFORT12-3149	Impingement wear testing of a dual mobility hip	Lee, Reginald / Herrera, Lizeth / Essner, Aaron / Nevelos, Jim / Loving, Laquawn
EFORT12-4152	How does thermal treatment affect the wear characteristics of radiation-crosslinked uhmwpe with and without vitamin-E?	Le, Kim-Phuong / Longaray, Jason / Song, Lin / Davisson, Twana / Wang, Aiguo / Herrera, Lizeth / Streicher, Robert

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<b>Hand and wrist</b>		
EFORT12-1110	Role of the dorsoradial and anterior oblique ligaments of the trapeziometacarpal joint in the pathophysiology of the Bennett and Rolando fractures: An anatomical study	Lamas, Claudia / Morro, Rosa / Llusà, Manuel / Mustafa, Amer / Natera Cisneros, Luis Gerardo / Almenara Fernandez, Marta / Proubasta, Ignacio
EFORT12-1177	Revision surgery of trapeziometacarpal arthrodesis with total prothesis replacement	Costa, Luis / Sousa, Marco / Oliveira, Vânia / Pereira, Alexandre / Trigueiros, Miguel / Silva, César / Aido, Ricardo
EFORT12-1181	Trapezium-metacarpal arthroplasty in the treatment of rizarthrosis. Evaluation of results	Sousa, Marco / Costa, Luis / Pereira, Alexandre / Freitas, Daniel / Trigueiros, Miguel / Silva, César / Lemos, Rui / Aido, Ricardo
EFORT12-1312	Patient burden of surgery in partial fasciectomy for Dupuytren's contracture – a multi center chart review	Huscher, Dörte / Al Shiblack, Morad / Pototschnig, Adrian / Pittrow, David / Maier, Marian / Giunta, Riccardo / Heineck, Jan / Spanholtz, Timo / Hankiss, Janos / Brandenburg, Paul / Mallison, Rita

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EFORT12-1504	Condylar fractures of the proximal and middle phalanges: Results of semi-elective treatment using lag screws through a lateral approach	Miller, Andrew / Shewring, David / Ghandour, A
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EFORT12-1820	Functional results of ulnar club hand management: A 16-year experience in Iran	Espandar, Ramin / Yazdanian, Shideh / Farzan, Mahmood
EFORT12-1947	Arthroscopic radial styloidectomy for radial wrist pain	Shih, Juitien
EFORT12-2017	Epidemiology and outcome following open fractures of the distal radius	Hammouche, Salah / Robati, Shibby / McQueen, Margaret / Shahid, Mohammad
EFORT12-2134	Outcomes of open carpal tunnel decompression	Stanworth, Helen / Walker-Bone, Karen / Williams, Christopher / Nanavati, Nikhil
EFORT12-2257	Role of MRI in the diagnosis of traumatic wrist pain	Al-Najjim, Mannan / Murapudi, S / Waseem, M / Mustafa, Abubakar
EFORT12-2368	Solitary ulnar shortening osteotomy for malunited distal radius fractures	Mohan, Arvind / Magnussen, Peter / Shafafy, Roozbeh
EFORT12-2373	The prevalence of radiographic osteoarthritis in the hand and the endogenous factors for osteoarthritis	Iwasaki, Koei / Yukawa, Masahiro / Suzuki, Masahiro / Ishibashi, Yasuyuki / Toh, Satoshi
EFORT12-2560	Biomechanical comparison of an intramedullary nail and a volar locking plate in a distal radius fracture model	Takada, Naoya / Otsuka, Takanobu
EFORT12-2710	Surgical management of Dupuytren's disease in Europe: Referral patterns, procedures, and resource utilization	Dahlin, Lars / Bainbridge, Chris / Szczypa, Piotr / Cappelleri, Joseph / Guerin, Daniel / Gerber, Robert / Leclercq, Caroline
EFORT12-2721	Comparative morphometry of the proximal carpal row and metatarsal heads. Applications to surgical transfers for carpal reconstruction	Fontaine, Christian / Aumar, Aurélien / Wavreille, Guillaume / Schoofs, Michel
EFORT12-2725	Surgical management of Dupuytren's disease in Germany and 11 other countries: Results from a surgeon survey and patient chart review	Bainbridge, Chris / Szczypa, Piotr / Cappelleri, Joseph / Guerin, Daniel / Gerber, Robert / Dahlin, Lars
EFORT12-2860	New aspects in the diagnosis of posttraumatic algodystrophy of the hand with 3-phase bone scintigraphy in correlation with venous blood gas analysis	Scola, Egmont
EFORT12-2956	Patient satisfaction with hand therapy only follow up post elective surgery	Elnikety, Sherif / El-Husseiny, Moataz / Kamal, Tamer / Talawadkar, Gautam / Richards, Hayley / Smith, Andrew
EFORT12-2960	Fixed angle volar plate vs variable angle volar plate	Caloia, Martin / Gonzalez Scotti, Diego / Alvares Salinas, Emiliano / Codesido, Mariano / Caloia, Hugo / Piazza, Diego
EFORT12-3217	Epidemiology and socioeconomic impact of hand-flexor-tendon injuries: Results of an extensive literature survey	Ntouvali, Eleni / Dailiana, Zoe
EFORT12-3581	Correlation between pronation-supination strength and grip strength. Determination of the normal values and their correlation within a healthy population aged 20-60 years	Fontaine, Christian / Lasnier, Arthru / Couturier-Bariatinsky, Varenka / Wavreille, Guillaume
EFORT12-3712	MRI investigation of radio-lunate relations: Use in assessing distal radius fracture reduction	Medlock, Gareth / Stevenson, Iain / Johnstone, Alan / Wohlgemut, Jared

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EFORT12-4071	Comparison of sonography and electrodiagnostic tests in diagnosis and treatment of carpal tunnel syndrome	Ayatollahi Mousavi, Alia / Saied, Alireza / Zyaei, Afshin
EFORT12-4407	The Reverse Wedge Osteotomy (RWO) of the radius for Madelung's disease : About 10 cases	Saint Cast, Yann / Mallard, Florence / Rabarin, Fabrice / Cesari, Bruno / Jeudy, Jérôme / Raimbeau, Guy / Fouque, Pierre Alain
EFORT12-4651	A novel case of avascular necrosis of the Distal Ulna following long term high dose steroid use for interstitial lung pathology	Beattie, Nick / Pullagura, Mohan / Livingston, SJ
EFORT12-4746	A systematic review on the functional difference between trapeziectomy, and trapeziectomy with ligament reconstruction	Makrides, Panayiotis / McArthur, John / Uppal, Harpal
EFORT12-4827	The adequacy of radiological imaging in hand trauma prior to orthopaedic review. Sunderland Royal Hospital	Dobson, Philip / Michla, Yusuf
EFORT12-4834	Diabetic neuroarthropathy of hand and knee	Illgner, Ulrich / Budny, Tymoteusz / Büsch, Hans-Günther / Wetz, Hans / Droste, Caroline
EFORT12-4855	Is there a need for C-arm CT imaging in volar plate osteosynthesis of distal radius fractures?	Mehling, Isabella / Rittstieg, Philipp / Müller, Lars / Rommens, Pol
EFORT12-4965	Cemented or uncemented fixation of proximal interphalangeal joint implants? A 2 year RCT of implant fixation, periprosthetic bone density and finger function	Stilling, Maiken / Kroner, Karsten / Munk, Bo / Rømer, Lone / Rahbek, Ole / Søballe, Kjeld
EFORT12-5011	Pirotcarbon disc, associated with ligamentoplasty of the palmaris longus tendon, in the treatment of symptomatic osteoarthritis of the thumb	Neto, Artur / Resende, Vera / Teixeira, José / Leal, Fernando / Bessa da Silva, José / Frada, Ricardo
EFORT12-5179	Interpositional arthroplasties with Swanson prosthesis for osteoarthritis of the trapeziometacarpal joint - early to mid-term results	Avisar, Erez / Sorene, Elliott / Tsang, Cynthia
EFORT12-5196	Tactics of hand bones tumours treatment	Varganov, Evgeny
EFORT12-5281	Total versus four-corner wrist fusion: A prospective comparative study	Rodríguez Vaquero, Gia / Delgado, Pedro / Abad, José María / García de Lucas, Fernando
EFORT12-5583	Pyrocarbon interposition arthroplasty for proximal capitate avascular necrosis	Al-Shawi, Anmar / Jagodzinski, Nikolas

## Shoulder/elbow, arm/forearm

EFORT12-1071	Proximal humeral fractures: The role of calcium sulfate graft augmentation & extended deltoid splitting approach	Huber, Chris / Babu, Victor / Zadeh, Hamid / Somasundaram, Karthik
EFORT12-1092	Comparison of mid term results of arthroscopic subacromial decompression for shoulder impingement syndrome between intact and partially Torn rotator cuffs	Chambler, Andrew / Dwyer, Amitabh / Eid, Ahmed
EFORT12-1113	Posterior interosseus nerve syndrome: Improving the accuracy of diagnosis with ultrasound-guided injection of local anaesthetic	Farquhar-Thomson, Duncan / Walsh, Sean / Tweedie, Oliver / Barrett, Matthew
EFORT12-1366	Bone defect at upper limb level treated by the induced membrane technique. Prospective multicentric study on 20 cases	Obert, Laurent / Zapaterra, Thomas / Gindraux, Florelle / Lepage, Daniel / Garbuio, Patrick

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EFORT12-1487	A physiological dynamic test machine for the elbow joint	Wendlandt, Robert / Kiene, Johannes / Schall, Angelika / Jürgens, Christian / Schulz, Arndt Peter
EFORT12-1577	Use of hemi elbow arthroplasty in complex problems of radiocapitellar joint	Salvador, Cristina / Vivanco, Teodoro / Merino, Patricia / Oteo, Jose
EFORT12-1670	The clavicle hook plate in the surgical treatment of the distal clavicle fracture and the acute acromionclavicular joint dislocation: Its clinical results and complications	Gao, Wei / Li, Fan / Sang, Weilin / Wang, Qiugen / Wu, Xiaoming
EFORT12-1743	Humeral cementless surface replacement arthroplasty of the shoulder: How much bone is needed for primary stability?	Kasten, Philip / Neubrech, Christiane / Raiss, Patric / Nadorf, Jan / Rickert, Markus / Jakobowitz, Eike
EFORT12-1748	Tennis elbow repair: To anchor or not to anchor	Monto, Raymond
EFORT12-1787	The treatment of the acromion fracture	Wu, Xiaoming / Gao, Wei / Li, Fan / Sang, Weilin / Wang, Qiugen
EFORT12-1818	Functional results after primary shoulder hemiarthroplasty for proximal humerus bone fractures	Yazdanian, Shideh / Guity, Mohammad Reza / Sibdari, Siamak / Espandar, Ramin
EFORT12-1922	Surgical treatment of displaced two-part proximal humeral surgical neck fractures: Comparison of percutaneous pinning, locked plating and antegrade nailing	López Morales, Yaiza / Urda, Antonio / García-Fernández, Carlos / Marco Martínez, Fernando
EFORT12-1950	Injury of the suprascapular nerve during Latarjet procedure: An anatomic study	Lädermann, Alexandre / Denard, Patrick / Burkhart, Stephen
EFORT12-1983	Reliability of the geometric classification of rotator cuff tears based on magnetic resonance arthrography	Van Der Zwaal, Peer / Thomassen, Bregje / Urlings, Thijs / De Rooij, Theodoor / Swen, Jan-Willem / Van Arkel, Ewoud
EFORT12-2013	Utility of shoulder ultrasound training in post graduate orthopaedic education curriculum and role of guidance issued by the Royal college of Radiologists	Singhal, Rohit / Dheerendra, Sujay / Waseem, Mohammad
EFORT12-2020	Effectiveness of a modified perivascular axillary brachial plexus block in shoulder arthroscopy – a prospective randomized clinical trial	Liem, Dennis / Marquardt, Bjoern / Gosheger, Georg / Weber, Thomas / Engel, Philipp
EFORT12-2039	Functional results and anatomic control of an arthroscopic repair technique of large and massive rotator cuff tears by a side-by-side suture	Bertiaux, Simon / Courage, Olivier / Duparc, Fabrice / Roussignol, Xavier / Dujardin, Franck / Rousseau, Thomas
EFORT12-2063	Factors affecting outcomes of arthroscopic supraspinatus repairs, and comparison of functional result according to cuff healing	Arndt, Joseph / Clavert, Philippe / Mielcarek, Paul / Kempf, Jean-François
EFORT12-2081	Arthroscopic biceps tenodesis compared to repair of isolated Type II SLAP lesions in patients over 35 years of age	Lädermann, Alexandre / Burkhart, Stephen / Denard, Patrick
EFORT12-2266	Scapular spine osteoid osteoma: A diagnostic challenge	Sacramento, Telmo / Ovidio, Joana / Diogo, Bruno / Palma, João / Vide, João / Gomes, Diogo / Freitas, Tania
EFORT12-2293	Effectiveness of magnetic resonance arthrography in the diagnosis of labral and rotator cuff pathology in the shoulder	Karthikeyan, Shanmugam / Saithna, Adnan / Rai, Santosh / Drew, Steve / Modi, Chetan / Marks, Avi / Smith, Christopher

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EFORT12-2454	Ultrasound scan detection of rotator cuff tears by a shoulder surgeon: Accuracy and learning curve	Petrou, Charalambos / Iossifidis, Anestis
EFORT12-2501	Rotator cuff tendon blood flow in a sheep model – a comparison of single- vs. double-row repairs	Dedy, Nicolas / Gosheger, Georg / Hauschild, Gregor / Liem, Dennis / Marquardt, Bjoern
EFORT12-2536	Late neurological complications from a migrating Bristow-Latarjet screw	Engelke, Daniel / Jonas, Sam
EFORT12-2705	Teres minor influences outcome of function and quality of life perception in reverse shoulder prosthesis	Gil, Sergi / Santana, Fernando / Navallas, Maria / Ares, Jesus / Sanchez, Juan Francisco / Puig, Lluís / Torrens, Carlos
EFORT12-2891	Type II SLAP tears repair and rehabilitation: A systematic review	Charalambous, Charalambos / Sultan, Jawad / Hassan, Syed
EFORT12-2907	Using internet based information to improve understanding of two common shoulder problems	Andrews, Rachel / Mukhopadhyay, Sudiptamohan / Kulkarni, Rohit / Sprot, Harry
EFORT12-2954	An Innovative method of shoulder strength assessment	Lädermann, Alexandre / Collin, Philippe
EFORT12-2977	Glenoiditis in shoulder resurfacing arthroplasty, mid-term clinical outcomes in correlation to aetiology	Bloch, Hans-Rudolf
EFORT12-2979	The outcome in patients with adhesive capsulitis of the shoulder following hydrodilatation distension arthrography	Clement, Rhys / Ray, Andrew / Davidson, Colin / Perks, Fergus / Robinson, Christopher
EFORT12-2995	Outcome of cubital tunnel decompression	Kulshreshtha, Rajiv / Wigderowitz, Carlos / Bansal, Neeraj / Jariwala, Arpit / Shelton, James
EFORT12-2999	Screw arthrodesis of the shoulder – technique and outcome	Lerch, Solveig / Berndt, Thomas / Rühmann, Oliver
EFORT12-3024	Viscosupplementation and physical therapy in shoulder impingement syndrome: A combined treatment for a better result?	Boffano, Michele / Piana, Raimondo / Gioda, Maurizio / Filippini, Alberto / Russo, Giacomo
EFORT12-3099	3D-Morphometry of radius head – matching existing prostheses?	Heidari, Nima / Krassnig, Renate / Dorr, Katrin / Pichler, Wolfgang / Puchwein, Paul
EFORT12-3205	Surgi-lig Synthetic Ligament System for the reconstruction of the acromio-clavicular joint: Oxford Shoulder Score outcomes measures – a multicentred approach	Larsen, Matthew / Smith, Adam / Lorwerth, Awen / Cull, Steve / Prichard, Mark
EFORT12-3280	Ultrasound evaluation of painful shoulder	Dias Da Costa, Luís / Oliveira, Vânia / Freitas, Daniel / Sousa, Ricardo / Vasconcelos, José Carlos / Lourenço, José / Claro, Rui
EFORT12-3308	Biomechanics of a new technique for minimal-invasive coracoclavicular ligament reconstruction in chronic acromioclavicular joint instability	Schliemann, Benedikt / Schürmann, Peter / Lenschow, Simon / Schroeglmann, Mike / Raschke, Michael / Zantop, Thore
EFORT12-3350	Arthroscopic anatomical glenoid reconstruction using an autologous tricortical iliac crest bone grafting technique	Kraus, Natascha / Hug, Konstantin / Diederichs, Gerd / Scheibel, Markus
EFORT12-3368	Ulnar groove reconstruction for cubital tunnel syndrome: Is a future's technique?	Inan, Ulukan / Turgut, Akin / Köse, Nusret / Küçük, Ahmet / Sevcen, Adnan
EFORT12-3387	Displaced midshaft wedge or comminuted clavicular fractures treated with locking plate fixation: Midterm results	Natera Cisneros, Luis Gerardo / Lamas, Claudia / Moya, Esther / Alvarez, Carlos / Gómez Masdeu, Mireia
EFORT12-3508	The effect of core stabilization exercises in the rehabilitation of patients with subacromial impingement syndrome	Atalar, Atacan / Berker, Ender / Demirhan, Mehmet / Seyahi, Aksel / Koyuncu, Lütü / Canbulat, Nazan

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EFORT12-3523	Does preoperative patient education have an effect on early postoperative pain levels in patients having arthroscopic rotator cuff surgery?	Canbulat, Nazan / Seyahi, Akşel / Uzun, Alper / Güzelocak, Elif / Demirhan, Mehmet / Koyuncu, Lütfü
EFORT12-3545	Multicentric study of a continuous series of a New Reverse Total Shoulder Arthroplasty Implant (RTSA) with a minimum follow-up of four years	Baulot, Emmanuel / Gonzalez, Martin / Handelberg, Frank / Charles, Hugues / Scarlat, Marius
EFORT12-3601	Characteristics of proximal humeral fractures in a German level I hospital	Tepass, Alexander / Stöckle, Ulrich / Bahrs, Christian / Weise, Kuno / Rolauffs, Bernd
EFORT12-3754	Grading of the drive-through sign in shoulder instabilities and development of a treatment algorithm	Özkan, Hüseyin / Kürklü, Mustafa / Basbozkurt, Mustafa / Yanmis, Ibrahim / Türker, Mehmet
EFORT12-3859	Oncosurgical results of limb-preserving tumor resection in the shoulder region in primary tumors and metastases	Druschel, Claudia / Melcher, Ingo / Sibai, Nura / Haas, Norbert / Disch, Alexander / Schaser, Klaus-Dieter
EFORT12-3964	The outcome of scapulothoracic arthrodesis using allograft in facioscapulohumeral dystrophy	Cooney, Alan / Gill, Inder / Stuart, Paul
EFORT12-4118	Variation in pathoanatomy of grade 3 acromioclavicular joint injuries seen on magnetic resonance imaging and use of the combined clavicular ratio to predict severity	Forester, Andrew / Ibrahim, Edward / Forrest, Neil / Babar, Syed / Khanna, Monica
EFORT12-4522	Is MRI arthrography an unnecessary expense in the management of a clinically unstable shoulder?	Jonas, Sam / Sarangi, Partha / Walton, Mike / McKay, George
EFORT12-4529	Complex labral avulsion lesions with inclusion of the anchor of the long head of the biceps following antero-inferiore shoulder dislocations	Gerhardt, Christian / Hug, Konstantin / Diem, Anh LE / Scheibel, Markus
EFORT12-4577	In-vivo evaluation of the biomechanical properties of the remaining rotator cuff after reverse shoulder arthroplasty	Herrmann, Sebastian / Greiner, Stefan / Perka, Carsten / König, Christian
EFORT12-4707	High incidence of disagreement between preoperative conventional mri and intraoperative findings in patients with rotator cuff tear	Georgiou, Christos / Ntonados, Charalambos / Dimakopoulos, Panagiotis / Anagnostou, Konstantinos
EFORT12-4853	Change in the Gap index to assess the adequacy of plaster cast during follow-up after closed reduction of fracture	Madhu, Tiru / Gudipati, Suribabu / Scott, B / Sivasankaran, Karthik Shankar
EFORT12-4866	Reverse shoulder Glenoid loosening: An analysis of implant fixation in two different substrates	Wright, Thomas / Zuckerman, Joe / Roche, Chris / Stroud, Nick / Martin, Brian / Crosby, Lynn / Flurin, Pierre Henri
EFORT12-4928	Clinical implications of ultrasound diagnosed fluid around the biceps tendon	O'Donovan, James / Kanzara, Todd / Rangan, Amar / Hanusch, Birgit / Makaram, Navnit
EFORT12-5010	Complication rates after total shoulder replacement versus hemiarthroplasty over a five year period in the English NHS	Jameson, Simon / Ahmad, Sarfraz / James, Philip / Reed, Mike / McVie, James / Rangan, Amar / Xypnitos, Frank
EFORT12-5210	Prevalence, pathoanatomy and classification of soft-tissue constraint lesions in complex elbow instability	Federico, Sacchetti / Giannicola, Giuseppe / Polimanti, David / Scacchi, Marco / Greco, Alessandro / Manauzzi, Erica / Postacchini, Franco / Bullitta, Gianluca
EFORT12-5307	CT evaluation of osseous defects after a primary anterior dislocation of the shoulder	Robinson, Christopher / Mackenzie, Samuel / Cowie, Jonathan
EFORT12-5365	Hinged external fixator placement at the elbow - navigated vs. conventional technique	Fufa, Duretto / Kendoff, Daniel / Daluiski, Aaron / Egidy, Claus



## Upper limb

NR.	TITLE	AUTHORS
EFORT12-5367	Managing patients expectations post operatively, can they remember their pre operative symptoms accurately?	O'Connell, Rachel / Nawaz, Syed / Gupta, Rohit / Osagie, Liza
EFORT12-5368	Ultrasound-guided percutaneous needle aspiration of rotator cuff calcifications	Vitali, Matteo / Ciampi, Pietro / Frascini, Gianfranco
EFORT12-5371	Treatment of massive rotator cuff tears with a polyester ligament (LARS) patch	Petrie, Michael
EFORT12-5373	Arthroscopic reconstruction of isolated tears of M. subscapularis – results after 24 months	Heikenfeld, Roderich / Listringhaus, Rico / Godolias, Georgios
EFORT12-5394	Results after reconstruction of massive rotator cuff tears with biological and synthetic patch	Vitali, Matteo / Pietro, Ciampi / Frascini, Gianfranco
EFORT12-5449	Clinical and radiographic outcomes following Platelet-Rich-Plasma (PRP) treatment for elbow epicondylitis	Chaudhury, Salma / Hayter, Catherine / Rodeo, Scott / Warren, Russell / Potter, Hollis / Nguyen, Joseph / Halpern, Brian
EFORT12-5508	Does local application of Platelet-Rich-Plasma (PRP) improve functional outcome in arthroscopic rotator cuff repairs : A systematic review	Peter, Noel / Dean, Benjamin / Uppal, Harpal / Beazley, James
EFORT12-5604	Initial outcomes analysis between two arthroplasty series after proximal humerus fracture: Anatomical versus reverse shoulder arthroplasty	Garcia Bullon, Isabel / López Morales, Yaiza / García-Fernández, Carlos / Marco Martínez, Fernando
EFORT12-5620	How accurate is magnetic resonance arthrography at detecting rotator cuff tears? A comparative study with arthroscopic findings in 70 sequential patients	Davidson, Jerome / Warshafsky, Julien / Perry, Fiona / Colaco, Henry / Sandiford, Nemandra / Garrett, John / Jahnich, Hagen
EFORT12-5647	Early outcome from a versatile shoulder arthroplasty designed for both anatomical & reverse use	Johnson, Garth / Stobo, Mark / Wiltshire, Kate / Williams, Erik / Wallace, W Angus / Kumar, Vinod / Kontaxis, Andreas

## Spine

NR.	TITLE	AUTHORS
<b>Spine (incl. trauma)</b>		
EFORT12-1236	Conservative care versus radiofrequency kyphoplasty: A comparative prospective study on the treatment of vertebral body fractures	Pflugmacher, Robert / Bornemann, Rahel / Otten, Lucia / Karius, Thomas / Kabir, Koroush / Wirtz, Dieter
EFORT12-1298	Laminarthrectomy as a surgical approach for decompressing the spinal canal. Assessment of preoperative versus postoperative Dural Sac Cross Sectional Areal (DSCSA)	Hermansen, Erland / Indrekvam, Kari
EFORT12-1432	Correlation between intramedullary signal intensity change on MR images and surgical outcome of patients with cervical myelopathy	Kashihara, Minoru
EFORT12-1539	Percutaneous vertebroplasty and ablation for the treatment of vertebral metastases: Our experience	Tranquilli Leali, Paolo / Doria, Carlo / Zachos, Alexandros
EFORT12-1544	Circumferential lumbar fusion with percutaneous minimally invasive approach using rods in titanium and peek: Preliminary clinical and radiological results	Zachos, Alexandros / Tranquilli Leali, Paolo / Doria, Carlo

## Spine

NR.	TITLE	AUTHORS
EFORT12-1566	A multi-disciplinary approach to improving blood transfusion practice in paediatric scoliosis correction surgery	Pinder, Richard / Mallinson, Claire / Lucas, Jonathan / Lyle, Shirley
EFORT12-1742	Personal, psychosocial and work-related resources for preventing chronic low back pain	Elfering, Achim / Käser, Anja / Rolli Salathé, Cornelia / Fritschi, Lin / Melloh, Markus
EFORT12-2237	CFR-PEEK based articulations as a new standard for cervical disc prosthesis	Kabir, Koroush / Schwiesau, Jens / Grupp, Thomas / Pflugmacher, Robert / Burger, Christof / Wirtz, Dieter
EFORT12-2336	Prospective evaluation of shoulder function in patients with idiopathic scoliosis after anterior versus posterior instrumentation	Besser, Ilka / Gosheger, Georg / Brüning, Thomas / Liljenqvist, Ulf / Schulte, Tobias L. / Bullmann, Viola / Liem, Dennis / Schmidt, Carolin
EFORT12-2389	Are intraspinal anomalies in early onset idiopathic scoliosis as common as once thought? A two centre United Kingdom study	Lam, Khai / Koc, Togay
EFORT12-2741	Postural spinal balance defined by net articular moments: Results of a biomechanical approach and experimental errors measurement	Blondel, Benjamin / Viehweger, Elke / Moal, Bertrand / Tropiano, Patrick / Jouve, Jean-Luc / Lafage, Virginie / Bollini, Gerard / Pomeroy, Vincent
EFORT12-2789	Paraplegia due to spinal tumors – a retrospective study	Strickling, Niclas / Bullmann, Viola / Gosheger, Georg / Schulte, Tobias L. / Lange, Tobias
EFORT12-2896	Effectiveness of a regional physiotherapist-led back pain assessment service	Patel, Miten / Shergill, Nilam / Sneath, Robert / Modi, Chetan / Sharma, Aadar
EFORT12-3001	Fixation methods of traumatic thoracolumbar burst fractures – comparison study	Jumtins, Andris / Briuks, Kalvis / Ruks, Kaspars / Puce, Andris
EFORT12-3009	Comparative study of posterolateral arthrodesis and PLIF treatment in grade I or II degenerative spondylolisthesis – analysis of 124 cases	Sousa, Ricardo / Costa, Luis / Freitas, Daniel / Aido, Ricardo / Soares, Daniel / Leite, Luciana / Seabra Lopes, J. / Oliveira, Vânia
EFORT12-3018	Does the cement stiffness affect fatigue fracture strength of vertebrae after cement augmentation in osteoporotic patients?	Kolb, Jan / Püschel, Klaus / Boger, Andreas / Rueger, Johannes / Morlock, Michael / Huber, Gerd / Lehmann, Wolfgang / Kueny, Rebecca
EFORT12-3120	Instrumentation in Pott's paraplegia	Srivastava, Rajeshwar
EFORT12-3142	SCIWORA in adults – is C4 the soft target?	Srivastava, Rajeshwar
EFORT12-3188	The clinical features of the L2 radiculopathy	Nishimura, Yukimasa
EFORT12-3200	Interdisciplinary clinical algorithm for treatment of unspecific spondylitis – review of 90 patients	Wirtz, Dieter / Pflugmacher, Robert / Petersdorf, Sabine / Müller-Broich, Jacques
EFORT12-3229	The importance of early diagnosis and treatment in congenital scoliosis	Ekinci, Safak / Ege, Tolga / Sehirlioglu, Ali / Oguz, Erbil / Kaldirim, Umit / Ersen, Omer / Bilgic, Serkan
EFORT12-3234	Does proximal implants cause junctional kyphosis in adolescent idiopathic scoliosis?	Sehirlioglu, Ali / Oguz, Erbil / Bilgic, Serkan / Bilekli, Burak / Ersen, Omer / Ege, Tolga
EFORT12-3320	Spondylodiscitis following kyphoplasty – singular case or relationship ?	Schulte, Tobias L. / Lange, Tobias / Deventer, Niklas

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NR.	TITLE	AUTHORS
EFORT12-3359	Functional outcome of extrapedicular vertebroplasty for pathological compression fractures in multiple myeloma	Ozkan, Cenk / Gulsen, Mahir / Zaimoglu, Serkan / Paydas, Semra
EFORT12-3380	The conservative treatment of stable upper cervical spine fractures in children	Pethe, Karol / Kler, Jacek / Tomaszewski, Ryszard
EFORT12-3454	Outcomes of instrumented fusion in degenerative lumbar disc disease: Comparison of results between posterior lumbar fusion and posterior lumbar interbody fusion	Muralikuttan, KP / Bhatt, Hinesh
EFORT12-3605	Utility of intra-operative Cone-Beam Computer Tomography (O-Arm) and Stereotactic Navigation in acute spinal trauma surgery	Lee, Robert / Schouten, Rowan / Boyd, Michael / Kwon, Brian / Paquette, Scott / Dvorak, Marcel / Fisher, Charles / Street, John
EFORT12-3664	Dynamic Stabilization System (Dynesys) produced less favourable results as compared to the fusion systems in young patients - a long-term follow up single surgeon experience	Haddad, Behrooz / Konan, Sujith / Makki, Daoud / Okafor, Ben
EFORT12-3677	Surgical treatment of scoliosis in spinal muscular atrophy: Complications in a 10 years follow-up study	Turturro, Francesco / Montanaro, Antonello / Labianca, Luca / Di Sanzo, Vincenzo / Ferretti, Andrea / Calderaro, Cosma / Scapellato, Simone
EFORT12-3695	Traumatic spinal injuries, gender variation. Are we different?	Stein, Michael / Ramalingam, Ganesh / Sidon, Eliezer
EFORT12-3766	Evaluation of patients with early onset scoliosis	Tacal, Mehmet / Albayrak, Akif / Sakizlioglu, Secil / Balioglu, Mehmet
EFORT12-3849	Management of atlantoaxial instability with C1-2 fusion with Harms technique and intra-operative Iso-C3D imaging	Druschel, Claudia / Schaser, Klaus-Dieter / Cabraja, Mario / Haas, Norbert / Kroppenstedt, Stefan
EFORT12-3892	Examination of Modic change and low back pain in patients with lumbar disc herniation	Hatakeyama, Kenji / Aihara, Takato / Ouchi, Juntarou
EFORT12-3914	Treatment and related complications for patients with EOS	Balioglu, Mehmet / Tacal, Mehmet / Albayrak, Akif
EFORT12-4058	Analysis of the effect of BMP-7 in spine surgery	Ortega, Jose Antonio / Guerado, Enrique / Cerván, Ana Maria
EFORT12-4274	Histomorphometric and radiographic changes after implantation of PEEK-non-fusion spine implants in the BB.4Sd1 rat model	Barz, Thomas / Lange, Jörn / Melloh, Markus / Merk, Harry / Staub, Lukas / Klötting, Ingrid / Follak, Niels
EFORT12-4337	A unique case of thoracic (T4) vertebral wedge fracture following elective electrical cardioversion	Young, Andrew / Carlin, Laura
EFORT12-4372	Surgical treatment of scoliosis in patients with cerebral palsy: Patient, caregiver satisfaction	Aber, Ahmed / Saeed, Muhammad Zahid / Thomson, Jeffrey
EFORT12-4587	Thoracolumbar burst fractures treated with combined hybrid percutaneous pedicle screw fixation and kyphoplasty: Study of the biodegradation and transformation into new bone tissue of calcium phosphate cement, in the human vertebrae	Angelopoulos, Athanasios / Alpantaki, Kalliopi / Lianoudakis, Efstratios / Papoutsopoulou, Eleni / Karantanas, Apostolos / Klonos, Georgios / Katonis, Pavlos
EFORT12-4670	Lumbar spinal decompression: A comparative study of outcomes following spinal decompression augmented with "soft" stabilisation versus spinal decompression alone	Higgs, Zoe / Verghese, George / Brownson, Nicholas / Ford, Alasdair



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NR.	TITLE	AUTHORS
EFORT12-4728	Anatomical study of the sacral hiatus	Maceachern, Campbell / Munro, Christopher
		Selected within the best e-posters
EFORT12-4830	Correction of scoliosis and stability of fixation in adults with osteoporosis	Ptashnikov, Dmitry / Usikov, Vladimir / Smekalenkov, Oleg
EFORT12-4924	Bone density values compared with Cobb Angles in AIS patients: Does the use of a brace have an effect on bone density?	Balioglu, Mehmet
EFORT12-4963	Vertebral osteomyelitis without Magnetic Resonance Imaging (MRI) changes	Maggs, Joanna / Sundaram, Rathnam / Clarke, Andrew / Hutton, Michael / Chan, Daniel / Humphry, Simon
EFORT12-4984	Odontoid fracture as distracting injury of a dislocation-fracture D5-D6	Morera, Carles / Sales, Josep / Soler, Francesc / Velazquez Fragoso, Juan Jose
EFORT12-5013	The evaluation of digital rectal examination for assessment of anal tone	Elsayed, Sherief / Boszczyk, Bronek / Sherlock, Katrina / Turner, William
EFORT12-5020	Anterior fixation for reconstruction of the cervical spine in cases of metastatic malignancy	Korzh, Nikolay / Barysh, Alexander / Buznitskiy, Ruslan
EFORT12-5099	Impact of pelvic and sagittal balance on clinical and functional results after decompression and instrumented fusion in patients with degenerative spondylolisthesis (DS)	Duarte, Filipe / Sousa, Antonio / Raposo, Frederico / Valente, Luis / Gonçalves, Antonio / Pinto, Rui / Rodrigues, André / Freitas, Joana / Vidinha, Vítor
EFORT12-5105	Bone block formation in cervical spine after anterior surgery in patients with radiculo and myelopathy	Silberstein, Boris / Bruskin, Aleksandr / Alexandrovsky, Vitaly / Berenfeld, Benjamin
EFORT12-5110	Decompression and vertebral instrumentation in lumbar stenosis: Level related complications after surgery	Duarte, Filipe / Sousa, Antonio / Raposo, Frederico / Valente, Luis / Gonçalves, Antonio / Pinto, Rui / Rodrigues, André / Freitas, Joana / Vidinha, Vítor
EFORT12-5116	Posterolateral arthrodesis (PLA) versus interbody fusion (360°) in Degenerative Spondylolisthesis treatment. Clinical evaluation and BMI impact on outcomes	Duarte, Filipe / Sousa, Antonio / Raposo, Frederico / Valente, Luis / Gonçalves, Antonio / Pinto, Rui / Rodrigues, André / Freitas, Joana / Vidinha, Vítor
EFORT12-5355	Quantitative analysis of routine daily gait parameters in patients presenting with lumbar spinal stenosis	Kulik, Gerit / Pittier, Romain / Paraschiv-Ionescu, Anisoara / Tzinieris, Nikolaos / Aminian, Kamiar / Schizas, Constantin
EFORT12-5440	Incidence and underlying mechanisms of contralateral motor deficits following lateral lumbar interbody fusion	Pumberger, Matthias / Hughes, Alexander / Lebl, Darren / Huang, Russel / Sama, Andrew / Cammisa, Frank / Girardi, Federico / Taher, Fadi
EFORT12-5657	Inferior limb palsy secondary to spontaneous spinal hematoma: An intraoperative finding	García, Óscar / Del Arco, Alex / Moldovan, Radu / Colomina, Jordi / Ruiz, Alberto / Ibañez Aparicio, Natalia M
EFORT12-5704	The significance of cord signal changes in cervical spondylotic myelopathy	Cammisa, Frank / Sama, Andrew / Taher, Fadi / Girardi, Federico / Lebl, Darren / Pumberger, Matthias / Hughes, Alexander
EFORT12-5766	Temporary external transpedicular fixation of the lumbar spine appears not to be of value in selcting candidates for fusion: A follow-up of 46 patients	Pedersen, Mette / Mogensen, Ninna / Kaspersen, Jon / Eiskjaer, Søren / Rasmussen, Sten
EFORT12-5775	Stem cell therapy for posterior arch bone regeneration in a fetal sheep myelomeningocele model. Preliminary results	Fontecha, Cesar G / Codinach Creus, Margarita / Rodríguez Gómez, Luciano / Romagosa Pérez-Portabella, Cleofé / Guillén Burrieza, Gabriela / Peiró Ibáñez, JL / Aguirre Canyadell, A / Soldado Carrera, F / Mendez Ojeda, Marye Merce

## Spine

NR.	TITLE	AUTHORS
EFORT12-5798	Posterior spinal percutaneous Stabilization- where are the limits?	Ezzati, Ali / Boehm, Heinrich / Wiese, Dirk / Shawky, Ahmed
EFORT12-5810	Interventional pain relief using Balloon-Sacroplasty on patients with osteoporotic fatigue fractures	Radmer, Sebastian / Andresen, Reimer / Kamusella, Peter / Wissgott, Christian / Banzer, Jan / Schober, Hans-Christof
EFORT12-5879	Effects of formaline fixation to pullout-forces in biomechanical tests	Goost, Hans / Deborre, C. / Karius, Thomas / Randau, Thomas / Burger, Christof / Wirtz, Dieter

## Lower limb

NR.	TITLE	AUTHORS
<b>Foot/ankle/leg</b>		
EFORT12-1172	Endolog system: Using a new surgical implant for moderate to severe hallux valgus deformity	Sodano, Luca / Vitullo, Fabrizio / Imperato, Luca / Simone, Simonetta / Touloupakis, Georgios / Di Giorgio, Luigi
EFORT12-1282	Long term results of silastic joint replacement of the halux in patients with low functional demand	Kamal, Tamer / Elsorafy, Karim / Rao, Biyyam / Elnikety, Sherif / Franklin, Alfred
EFORT12-1348	Thermal capsular shrinkage outcomes in patients with chronic lateral ankle instability	White, Joanna / Zubairy, Aamir / Hakimi, Mounir
EFORT12-1444	Early to intermediate results of the mobility total ankle replacement from an independent centre	Tsang, Kai / Adedapo, Sanya
EFORT12-1473	Dorsal anatomic plantar plate repair	Sung, Wenjay / Weil, Jr, Lowell / Weil, Sr, Lowell
EFORT12-1491	The effect of lower limb cast immobilisation on calf pump function	Hickey, Benjamin / Perera, Anthony / Singh, Rahul / Pugh, Neil / Morgan, Amy
EFORT12-1705	Measurement by Ultrasounds (U.S.) of the distance between Achilles	Gutierrez, Pedro / Moril, Lorena / Ojeda, Margarita / Pellicer, Vicente
EFORT12-1724	Diagnosis of an unusual epin calcanei like lesion: Calcaneal osteochondroma	Can, Nuray / Aydin, Bahattin / Erkocak, Ömer / Senaran, Hakan / Acar, Mehmet Ali / Altan, Egemen
EFORT12-1738	Tibialis tendons plasty for lateral instability of the ankle - a new surgical technique	Cabrera-Palacios, Hector / Somellera Caraveo, Roberto / Schulz, Arnd Peter / Maru, Michael
EFORT12-1762	The treatment of Achilles tendon rupture: Conservative versus percutaneous Ma and Griffith technique – comparative study of 43 cases	Gjika, Eduard / Duni, Artid / Ruci, Dorina / Gogu, Erald / Cake, Alfred / Ruci, Vilson
EFORT12-1976	Anatomic variants of the fibular retro-malleolar Groove using 3D imaging modality	Ul Haq, Muhammad / Pillai, Anand
EFORT12-1998	Subtalar arthroereisis for surgical treatment of symptomatic pes planovalgus in childhood – comparison between Kalix®-implant and de Pellegrin-screw	Gosheger, Georg / Tretow, Henning / Schiedel, Frank / Roedel, Robert / Henrichs, Marcel-Philipp / Vogt, Bjoern / Daniilidis, Kiriakos Selected within the best e-posters
EFORT12-2024	Computertomographic evaluation of frontal talar edge configuration for osteochondral plug transplantation	Wiewiorski, Martin / Hoechel, Sebastian / Wishart, Katarina / Valderrabano, Victor / Nowakowski, Andrej

## Lower limb

NR.	TITLE	AUTHORS
EFORT12-2026	Wound complication and infection rate in Clean First-time elective foot and ankle surgery - a retrospective review	Wiewiorski, Martin / Voellmy, Thomas / Valderrabano, Victor
EFORT12-2161	Results of patelloplasty of the medial facet of the patella in patellar instability associated to femoral patellar dysplasia: A study of 26 cases	Saragaglia, Dominique / Mader, Roch / Blaysat, Marc
EFORT12-2300	Safety area for proximal metatarsal procedure	Chuckpaiwong, Bavornrit / Korwutthikulrangsri, Ekkapoj
EFORT12-2462	Biomechanical study of the Achilles tendon in diabetic and non-diabetic rats	Korres, Nectarios / Maragoudakis, Emanouil / Pneumatikos, Spiridon / Chrisikopoulos, Theodoros / Raptis, Konstantinos
EFORT12-2520	Intraoperative 3D computer-assisted navigation in foot and ankle surgery with the O-arm Surgical Imaging System : A cohort study	Barea, Christophe / Hoffmeyer, Pierre / Assal, Mathieu / Dubois-Ferriere, Victor
EFORT12-2555	Are tighrtropes as good as syndesmotic screws?	Bakti, Nik / Animashawun, Yomi / Kankate, Raghubir / Kurup, Harish
EFORT12-2614	Distal soft tissue procedure in hallux valgus surgery: An experimental study on the influence of different anatomical structures	Schneider, Wolfgang
EFORT12-2658	Surgical anatomy of navicular bone in Asians	Rimchala, Chakorn / Chuckpaiwong, Bavornrit
EFORT12-2877	Biomechanical comparison of 4 Achilles tendon repairs: In vitro study in bovine Achilles tendons	Ortiz, Cristian / Keller, Andres / Wagner, Emilio / Reinares, Felipe / Arellano, Sergio / Labarca, Gonzalo / Mocoain, Pablo
EFORT12-3049	A combined three-dimensional gait and fluoroscopic analysis of the functional performance of a total ankle replacement	Belvedere, Claudio / Romagnoli, Matteo / Berti, Lisa / D'Apote, Giulia / Luciani, Deianira / Giannini, Sandro / Cenni, Francesco / Leardini, Alberto
EFORT12-3051	Venous thromboembolism in lower limb immobilised patients: A pilot study	Murley, Jessica / Wordsworth, David / Chakrabarti, Anil
EFORT12-3211	MRI follow up of atraumatic bone marrow oedema of the foot and ankle: A case series	Lever, Caroline / Barlow, David / Rhee, Shin Jae / Makwana, Nilesh / Patel, H J
EFORT12-3345	Autologous blood injection versus corticosteroid for the treatment of the noninsertional Achilles tendinopathy	Arealis, George / Solidakis, Nikolaos / Chochlidakis, Stavros / Manolarakis, George / Kastanis, Grigorios
EFORT12-3633	The first recorded case of broken Phoenix Ankle Arthrodesis nail, a case report	Beazley, James / Rosser, Patric / Uppal, Harpal / Ramos, James
EFORT12-3635	Caffeic acid phenethyl ester and melatonin increase new bone maturation on distraction osteogenesis - experimental study	Sahin, Seyyid Ahmet / Ascı, Murat / Sen, Cengiz / Gunes, Taner / Bostan, Bora / Bozdog, Ergun / Erdem, Mehmet
EFORT12-3805	The Achilles tendon total rupture score: A study to explore further aspects of validity	Kearney, Rebecca / Achten, Juul / Lamb, Sarah / Costa, Matthew
EFORT12-3888	Endoscopic treatment of haglund's syndrome: Indications and limits	De Santis, Pierfrancesco / Rota, Pierpaolo / Rota, Attilio
EFORT12-4061	Revision of failed total ankle arthroplasty to fusion	Sunder, D / Harris, Nick / Gudipati, Suribabu



## Lower limb

NR.	TITLE	AUTHORS
EFORT12-4083	Long-term results of metatarsal osteotomies in hallux valgus treatment	Groseanu, Florin / Cristea, Stefan / Panait, Gheorghe
EFORT12-4225	Insufficiency (stage II) of tibialis posterior tendon – different operative techniques	Aktselis, Ioannis / Papadimas, Dimos / Deligeorgis, Anastasios / Karagiannis, Spiros / Kountis, Georgios / Fragomichalos, Evangellos
EFORT12-4249	Closed wedge supramalleolar osteotomy in posttraumatic deformity	Ihle, Christoph / Stöckle, Ulrich / Lobenhoffer, Philipp / Freude, Thomas / Schröter, Steffen
EFORT12-4531	Effect of private competition on length of stay in primary joint replacement in an NHS setting	Van Mierlo, Reinier / McLauchlan, George
EFORT12-4877	Pre operative marking of the superficial peroneal nerve to prevent iatrogenic injury during ankle arthroscopy	Krishnan, Harry / Suzangar, Amir / Rosenfeld, Peter
EFORT12-4909	Stabilization of the scarf osteotomy with capsuloperiosteal flap in hallux valgus deformities	Tecimel, Osman / Bilgetekin, Yenal / Isik, Çetin / Bozkurt, Murat / Dogan, Metin / Akmese, Ramazan
EFORT12-5019	Percutaneous surgery versus open surgery in the treatment of acute Achilles tendon ruptures - a case-control study	Freitas, Tania / Ramos, Acacio / Sacramento, Telmo / Gomes, Diogo / Ovidio, Joana / Vide, Joao
EFORT12-5034	Long-term outcome in multiply injured patients with injuries below the knee joint	Pfeifer, Roman / Zelle, Boris / Sittaro, Nicola-Alexander / Probst, Christian / Pape, Hans-Christoph
EFORT12-5077	Combined miniopen and percutaneous technique for hallux valgus correction: Video	Reyes, Alvaro / Reyes, Francisco
EFORT12-5354	Intermittent foot compression under plaster cast for prevention of venous thromboembolism remains questionable	Arverud, Erica
EFORT12-5415	Modified short scarf osteotomy for hallux valgus surgery	Hakim, Zuned / Kassam, Hafiz / Dalal, Rakesh
EFORT12-5453	Changes in foot dimensions after forefoot surgery – why does the shoe still not fit?	Heire, Priam / Shoab, Amer / Hakim, Zuned / Yates, Edward
EFORT12-5486	Calcaneal fractures: Evaluation and surgical treatment	Baronetti, Marco / Maselli, Giovanni / Ferrara, Giuseppe / Ferrulli, Andrea / Garofalo, Raffaele
EFORT12-5713	Subtalar non-union following tibiotalar calcaneal fusion with retrograde intramedullary nail - an underestimated problem	Higgs, Zoe / Hooper, Gina / Kumar, Senthil

## Hip

EFORT12-1058	Metal ion levels after bilateral hip resurfacing	Sawalha, Seif / Ravikumar, Raveena / Chowdhury, Emyr / Massraf, Araz
EFORT12-1074	A fractured but immovable ceramic liner in a screw-fixed acetabular shell	Knowles, David / Butt, Usman
EFORT12-1088	Acetabular reconstruction with impaction bone grafting and a cemented cup. A 3 to 14-year follow-up	Katayama, Naoyuki
EFORT12-1114	Evaluation of the anteversion of the two different types of stem in THA with imageless navigation system	Mitsugi, Naoto / Mochida, Yuichi / Aratake, Masato / Ota, Hirohiko / Kobayashi, Hideo / Saito, Tomoyuki / Taki, Naoya
EFORT12-1135	Effect of subject specific hip joint centre model on kinematic and kinetic data	Beaule, Paul / Varin, Daniel / Dwyer, Kevin / Lamontagne, Mario

## Lower limb

NR.	TITLE	AUTHORS
EFORT12-1205	Mechanical characteristics of hydroxyapatite granules into impacted morsellised bone grafts on the repeated dynamic migration of cemented cups applying high-speed photography camera	Kishida, Shunji / Iida, Satoshi / Ohashi, Hirotsugu / Yamazawa, Hiroyuki / Tanabe, Yuji
EFORT12-1206	Is wound suction drainage necessary for total hip arthroplasty?	Imai, Norio / Kitahara, Hiroshi / Dohmae, Yoichiro / Miyasaka, Dai / Ito, Tomoyuki / Endo, Naoto / Takahashi, Ikuko / Suzuki, Hayato
EFORT12-1216	The painful syndrome after total hip replacement	Tikhilov, Rashid / Shilnikov, Viktor / Denisov, Alexey
EFORT12-1223	Gaucher disease: Outcome following total hip replacements and effect of enzyme replacement therapy in a cohort of UK patients	Donaldson, James / Khan, Wasim / Tailor, Hiteshkumar / Hughes, Derralynn / Mehta, Atul / Maruthainar, Nimalan
EFORT12-1281	Effect of weightbearing in development of steroid-induced osteonecrosis of the femoral head	Okazaki, Shunichiro / Nagoya, Satoshi / Tateda, Kenji / Katada, Ryuichi / Mizuo, Keisuke / Watanabe, Satoshi / Yamashita, Toshihiko / Matsumoto, Hiroshi
EFORT12-1284	Bone bonding to uncemented stems analyzed by Fluoride-PET/CT	Ullmark, Gosta
EFORT12-1287	Survival of the hip after periacetabular osteotomy	Stürup, Jens / Dahl, Line
EFORT12-1288	Clinical PET analyzes of post operative bone bonding to acetabular cups	Ullmark, Gosta
EFORT12-1292	The relationship between the anterior pelvic plane and posterior condylar axis, clinical epicondylar axis in normal objects	Takubo, Ryota / Suda, Ken / Miyasaka, Dai / Ito, Tomoyuki / Endo, Naoto / Imai, Norio
EFORT12-1354	The accuracy of patient positioning prior to total hip arthroplasty and the influence of BMI	Lambers, Anton / Jennings, Robert / Bucknill, Andrew
EFORT12-1390	Outcome of short stems in Arthroplasty Register datasets	Kovac, Simon / Zagra, Luigi / Necas, Libor / Labek, Gerold
EFORT12-1391	Inertia-sensor based motion analysis as outcome measure for routine clinical application in patients with lower extremity problems	Bolink, Saan / Van Laarhoven, S / Heyligers, Ide / Grimm, Bernd / Senden, Rachel
EFORT12-1399	Does computer navigation help the surgeon to achieve their pre-operative leg length and offset targets?	Lambers, Anton / Jennings, Robert / Bucknill, Andrew
EFORT12-1413	Triple pelvic osteotomy for hip dysplasia in adults: Results at short- to mid-term follow-up	Kappe, Thomas / Fraitzl, Christian / Reichel, Heiko
EFORT12-1502	Successful treatment of Sciatic nerve injuries following hip arthroplasty - neurolysis within 12 months	Regev, Gilad / Segal, Ortal / Salai, Moshe / Schetinkov, Leonid / Alon, Melvina / Sever, Ronen / Rochkind, Semion
EFORT12-1525	Risk factors for cardiovascular complications following hip surgery	Lee, Hongseok / Lee, Jungsub / Rhee, Seungjoon / Cho, Hyungjoon / Kim, Jeungil / Kim, Hee Joong / Suh, Kuentak
EFORT12-1642	ASR total hip replacement: Large diameter Metal-On-Metal bearing with early failure - a retrospective follow-up trial	Widemschek, Mark / Oelsch, Christian / Martin, Arno / Von Stempel, Archibald / Cip, Johannes
EFORT12-1767	High failure rates with a large diameter hybrid metal on metal total hip replacement - clinical, radiological and retrieval analysis	Culliford, David / Langton, David / Millington, Jason / Arden, Nigel / Latham, Jeremy / Bolland, Ben



## Lower limb

NR.	TITLE	AUTHORS
EFORT12-1823	Can X-ray morphometric parameters for the hip be assessed on magnetic resonance imaging?	Hingsammer, Andreas / Stelzender, David / Kim, Young-Jo
EFORT12-1835	Dislocation after revision total hip arthroplasty	Foley, Giles / Yates, Edward / McLauchlan, George / Helm, Anthony
EFORT12-1847	Arthroscopic treatment of femoroacetabular impingement in young taekwondo players	Kang, Chan / Jeon, Yoo-Sun / Hwang, Deuk-Soo
EFORT12-1858	Leg extension length is not affected by initial position with Imageless navigation system in total hip arthroplasty	Taki, Naoya / Mitsugi, Naoto / Mochida, Yuichi / Aratake, Masato / Ota, Hirohiko / Kobayashi, Hideo / Saito, Tomoyuki
EFORT12-1927	Evaluation of gait function following total hip arthroplasty: Antero-lateral versus posterior approach	Maurer-Ertl, Werner / Zwick, Ernst / Pechmann, Michael / Windhager, Reinhard / Leithner, Andreas / Friesenbichler, Joerg
EFORT12-1928	Metal ion levels following large-diameter total hip arthroplasty and resurfacing arthroplasty: Two year results of a prospective five year study	Maurer-Ertl, Werner / Sadoghi, Patrick / Trennheuser, Mathias / Leithner, Andreas / Friesenbichler, Joerg
EFORT12-1965	The evolution of ion levels during steady-state wear in resurfaced hips	De Smet, Koen / Gill, Harinderjit / Grammatopoulos, George / Van der Straeten, Catherine
EFORT12-1967	Ambulatory core decompression for avascular necrosis of the femoral head: Intermediate results of a randomized study assessing the effect autologous bone marrow grafting with or without Rh-BMP7	Migaud, Henri / May, Olivier / Schiopou, Dragos / Pasquier, Gilles / Mertl, Patrice / Cotten, Anne / Girard, Julien
EFORT12-1978	Strict component positioning is necessary in hip resurfacing	Kabata, Tamon / Maeda, Toru / Iwai, Shintaro / Kuroda, Kazunari / Tsuchiya, Hiroyuki / Kajino, Yoshitomo / Fujita, Kenji
EFORT12-1979	Acetabular cup inclination in Metal-on-Metal bearings: Risk factors for malpositioning in a District General Hospital setting	Giddie, Jasdeep / Sawalha, Seif / Massraf, Araz
EFORT12-2084	Bone reaction and femoral canal shape in tapered wedge-shaped cementless stem for developmental dysplasia of the hip	Yamamura, Mitsuyoshi / Fuji, Takeshi / Sugamoto, Kazuomi / Yoshikawa, Hideki / Nakata, Katsuya
EFORT12-2126	Irrigation, debridement and implantation of soluble gentamicin loaded sponges in 34 patients with infection complicating total hip arthroplasty	Wassink, Sander / Brohet, Richard / Nolte, Peter / Vergroesen, Diederik / Kuiper, Jesse
EFORT12-2144	Ceramic-on-Ceramic total hip replacements: Incidence of squeaking and effect on quality of life	Munro, Christopher / Anderson, David
EFORT12-2202	Normal size, position and location of Anterior Inferior Iliac Spine. An anthropometric and gender survey	Amar, Eyal / Ben Tov, Tomer / Salai, Moshe / Rath, Ehud / Druckmann, Ido / Flusser, Gideon
EFORT12-2230	The hidden costs of Metal-on-Metal hip resurfacing: A change in hospital follow-up policy	Lloyd, John / Germanis, Nikolaos / Middleton, Robert
EFORT12-2255	Uncemented modular femoral revision stem - clinical and radiological midterm results	Graham, Niall / Dhawan, Rohit
EFORT12-2298	Is there a correlation between the costs of total hip arthroplasty and the incidence rate?	Gaiser, Sebastian / Hanstein, Tim
EFORT12-2307	Influence of pelvic inclination to the acetabular cup orientation in MIS-THA	Kido, Kenji / Matsushima, Toshihiro

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## Lower limb

NR.	TITLE	AUTHORS
EFORT12-2318	Use of screws and outcome in young patients with uncemented total hip replacement	Garcia-Rey, Eduardo / Cruz-Pardos, Ana / Garcia-Cimbrello, Eduardo
EFORT12-2322	Osteonecrosis of the femoral head: The role of biotechnologies	Colombo, Massimiliano / Calori, Giorgio Maria / Mazza, Emilio Luigi / Ripamonti, Carlo
EFORT12-2325	Intramedullary hip nailing compared with external fixation for treatment of pertrochanteric fractures in elderly patients	Exouzidis, Konstantinos / Chatzipetrou, Thomas / Eftyhiakos, Nikolaos / Grigoriadis, Georgios / Xeidakis, Stylianos / Saloupis, Panagiotis / Papadopoulos, Anestis / Koukos, Anastasios
EFORT12-2331	Long-term results of structural bone graft in hip arthroplasty with cementless acetabular component for dysplastic hip	Ohishi, Hirotsuka / Kishiya, Masaki / Toh, Satoshi / Nakamura, Yoshihide
EFORT12-2341	Intra-operative cell salvage is cost-effective for primary hip arthroplasty	Ralte, Peter / Grange, Simon / Morapudi, Syam / Denn, Peter / Barnes, Keith / Marlow, William
EFORT12-2349	Ten-year-outcome of hip resurfacing - results of a prospective clinical and radiographic evaluation	Mettelsiefen, Jan / Lützner, Jörg / Witzleb, Wolf-Christoph / Kirschner, Stephan / Günther, Klaus-Peter / Hartmann, Albrecht
EFORT12-2351	Prospective, randomised trial comparing anterior versus posterior approach for total hip arthroplasty	Field, Richard / Buly, Jocelyn / Hisole, Jenny / Strambi, Francesco / Yeo, Andrea
EFORT12-2367	ALVAL score in non-Metal-on-Metal failures without suspected hypersensitivity	Zustin, Jozef / Luebke, Andreas / Rosenberg, Jens / Rütther, Wolfgang / Von Domarus, Christoph
		Selected within the best e-posters
EFORT12-2425	Revision rates after knee replacement: Over 240.000 patients followed up to 40 years	Böhler, Nikolaus / Labek, Gerold / Pabinger, Christof / Wurzer, Paul
EFORT12-2532	There is no need for "top surgeons" in mini invasive hip replacement	Månsson, Lukas / Olsson, Marianne / Hansen, Knut Egill
EFORT12-2611	Epidural anaesthesia and mobility after total hip arthroplasty	Lee, Wai Ping / Hrycaiczuk, Alex / Taylor, Adrian / Da Assunção, Ruy
EFORT12-2645	Femoral neck thinning in uncemented resurfacing arthroplasty of the hip - the effect of surgical approach - 4 year results	Dean, Benjamin / Peter, Noel / Beazley, James / Prakash, Udai / Foguet, Pedro / Uppal, Harpal / Downham, Christopher / Chahal, Gurdip
EFORT12-2656	Metal-On-Metal hip resurfacing for treating osteonecrosis of the femoral head	Höque, Martha / Micera, Giovanni / Orsini, Riccardo / Moroni, Antonio
EFORT12-2678	Evidence guiding surgical treatment of infected hip prostheses. A systematic review	Beswick, Andrew / Elvers, Karen / Gooberman-Hill, Rachael / Smith, Alison / Blom, Ashley
EFORT12-2679	The significance of capsular reconstruction in total hip arthroplasty - a case control study involving 1558 patients	Farag, Mohamed / Pretzsch, Mathias / Adler, Daniel / Petermann, Martin / Heyde, Christoph / Von Salis-Soglio, Georg / Prietzel, Torsten
EFORT12-2844	Hip revision surgery in a district general hospital. Volume is related to outcome	Beazley, James / Uppal, Harpal / Dean, Benjamin / Peter, Noel / Lawrence, Trevor
		Selected within the best e-posters
EFORT12-2864	More than fifty percent wear-reduction with Alumina heads compared to Cobalt-chrome heads on conventional polyethylene after ten years	Nordsletten, Lars / Röhrli, Stephan / Snorrason, Finnur / Dahl, Jon
EFORT12-2869	Finite element analysis of the strains developed in large diameter Metal-on-Metal total hip arthroplasty: Use of large heads produces significant changes	Georgiou, Christos / Theodorou, Evangelos / Provatidis, Christopher / Babis, George / Anagnostou, Konstantinos / Megas, Panagiotis

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NR.	TITLE	AUTHORS
EFORT12-2887	Accuracy and reproducibility of digital pre-operative templating for lower limb arthroplasty	Ya'ish, Feras / Kakwani, Rajesh / Emmerson, Kevin / Asaad, Seif / Prasad, Govinda
EFORT12-2925	Use of MRI scan in occult and metastatic neck of femur fractures: Implication on treatment and time delay to surgery	Porter, Keith / Tillman, Roger / Ashraf, Mujeeb / Budair, Basil
EFORT12-2930	Metal ion levels as a screening measure for adverse reactions to metal debris in metal on metal hip replacements: Low sensitivity and specificity	Wimhurst, James / Wynn Jones, Henry / Cahir, John / Toms, Andoni / Macnair, Rory
EFORT12-3004	Significant limping after muscle sparing hip replacement are highly pain dependent	Olsson, Marianne / Maansson, Lukas / Hansen, Knut Egill
EFORT12-3084	Pre operative hand grip strength correlates with pain 6-months after primary total hip replacement	Brun, Ole-Christian / Maansson, Lukas / Finden, Terje
EFORT12-3135	Multicenter RSA evaluation of In Vivo wear of vitamin E stabilized highly cross-linked polyethylene and acetabular cup stability	Bragdon, Charles / Kwon, Young-Min / Overgaard, Søren / Nielsen, Poul / Laursen, Mogens / Malchau, Henrik / Greene, Meridith
EFORT12-3196	Radiological subsidence in Furlong Active HAP stems	Peñalver, Pablo / Antón, Rodrigo / Galán, María / Méndez, María / Cordero-Ampuero, José
EFORT12-3238	Discrepancy in payments in the management of peri prosthetic fractures - who is the Ultimate Loser	Rambani, Rohit / Giannoudis, Peter / Venkatesh, Ramakrishnan / Qamar, Faisal
EFORT12-3247	Median term follow up of 300 Metal-on-Metal hip resurfacings at District General Hospital level	Keightley, Andrew / Nawaz, Syed / Chan, Oliver / Khaleel, Arshad
EFORT12-3336	Vitamin D deficiency in elderly hip fracture patients in Singapore	Koh, Joyce Suang Bee / Aung, May Kyawt / Chandran, Manju / Howe, Tet Sen / Ng, Alvin / Goh, Seo Kiat
EFORT12-3354	An investigation into the use of the DRAM (Distress and Risk Assessment Method) tool in stratifying patients awaiting hip and knee replacement surgery	Morrison, Valerie / Andrew, John / Kubaitis, Viktor / Okoro, Tosan / Iqbal, Omar
EFORT12-3360	Optimum leg position to represent true femoral neck offset on AP pelvis templating radiographs	Higgins, Gordon / Seymour, Richard / Kosy, Jonathan / Bradley, Ben / Ball, Thomas
EFORT12-3394	Revision hip replacement of severe femoral loosening using distally locked stems	Razakandretsa, Willy / Boyer, Patrick / Hutten, Denis / Jeanrot, Cecile / Massin, Philippe / Mylle, Gui
EFORT12-3395	Steady-state wear rates of highly cross-linked polyethylene against zirconia heads at a mean seven-year follow-up	Hasegawa, Masahiro / Yoshida, Kakunoshin / Wakabayashi, Hiroki / Sudo, Akihiro
EFORT12-3405	Acetabular bone mineral density around cementless total hip arthroplasty with DELTA-TT cup: A prospective study	Massari, Leo / Rossi, Paolo / Causero, Araldo / Crova, Maurizio / Grillo, Pier Paolo / Bistolfi, Alessandro / Gigliofiorito, Gaetano / Pari, Carlotta / Concina, C / Tosco, PM / Burelli, Silvia / Carli, Giulia / Bloch, Hans-Rudolf
EFORT12-3407	Validity of three dimensional preoperative planning for neck changeable type total hip arthroplasty	Tsuji, Koji / Hirakawa, Kazuo / Tsukamoto, Riichiro / Saito, Akira / Iwase, Miho / Takayanagi, Satoshi
EFORT12-3409	Influence of patient's age on clinical outcome after uncemented short stem hip arthroplasty (METHA®)	Floerkemeier, Thilo / Thorey, Fritz / Windhagen, Henning / Von Lewinski, Gabriela / Floerkemeier, Stephanie
EFORT12-3456	Hip arthroplasty using a novel anatomical mega head for greater versatility – short term results	Dekel, Shmuel / Chechik, Ofir / Grundshtein, Alon / Snir, Nimrod

## Lower limb

NR.	TITLE	AUTHORS
EFORT12-3492	Management of lag screw cut-out after dynamic hip system fixation	Serrano, Pedro / Brandão, Alexandre / Fonseca, Rubem / Mercier, Francisco / Cabral, Rui / Ramos De Pina, Carlos
EFORT12-3499	Does total hip replacement influence the pain perception of patients?	Wang, Haili / Kuni, Benita / Rickert, Markus / Schiltenswolf, Marcus / Ewerbeck, Volker
EFORT12-3534	Accuracy of robotic assisted femoral osteochondroplasty for treatment of FAI	Kang, Hyosig / Kasodekar, Snehal / Nortman, Scott / Jones, Jennifer / Conditt, Michael / Ranawat, Anil
EFORT12-3550	Impact of total hip arthroplasty on urinary incontinence	Onuma, Kazuhiro / Kaneyama, Ryutaku / Tamaki, Tatsuya / Shiratsuchi, Hideaki
EFORT12-3551	Investigation of the Omnifit constrained acetabular component in vivo	Bannister, Gordon / Blom, Ashley / Whitehouse, Michael / Bigsby, Ewan
EFORT12-3589	Transtrochanteric rotational femoral osteotomy for severe slipped capital femoral epiphysis	Nagoya, Satoshi / Sasaki, Mikito / Kaya, Mitsunori / Okazaki, Shunichiro / Kosukegawa, Ima / Tateda, Kenji / Onishi, Hitoshi / Yamashita, Toshihiko
EFORT12-3595	Bone remodelling characteristics 6 years after implantation of a short stem hip prosthesis	Papaioannou, Christoforos / Rading, Sabine / Köster, Georg
EFORT12-3625	Oblique femoral shortening osteotomy in THA in high dislocated dysplastic hips	Bianchi, Luca / Giacometti Ceroni, Roberto / Mondini, Andrea / Zagra, Luigi
EFORT12-3638	3D preoperative planning in primary total hip replacement using a CT based system	Huppertz, Alexander / Sparmann, Martin / Andresen, Reimer / Radmer, Sebastian / Erxleben, Ute
EFORT12-3667	Successful fixation of an inter-trochanteric fracture following hip resurfacing arthroplasty using cannulated screws - case report and review of literature	Haddad, Behrooz / Konan, Sujith / McAuliffe, Thomas
EFORT12-3671	Pre-operative harris hip score and length of stay in hospital after surgery	Tsang, Kai / Saeed, Kamram
EFORT12-3710	Pain six months after a primary total hip replacement is associated with preoperative muscle cell mass measured by serum creatinine	Maansson, Lukas / Nordsletten, Lars / Risberg, May Arna
EFORT12-3731	Revision rate and outcome of total hip arthroplasty with the Articular Surface Replacement (ASR) XL system	Sidon, Eliezer / Shemesh, Shai / Heller, Snir / Velkes, Steven
EFORT12-3744	Stress distributions of different-shaped proximal femurs induced by the insertion of short wedge tapered femoral stem	Maeno, Sumihiko / Nakamura, Takuya
EFORT12-3785	Biomechanical analysis of three models of uncemented acetabular cup in primary total hip arthroplasties	Cardoso, Zulema / Lopez-Duran, Luis / Ros, Antonio / Moro, Enrique / Marco Martinez, Fernando
EFORT12-3903	A comparison of serum [Cr] & [Co] at up to 4 years between the Birmingham and ACCIS resurfacing hip replacements from a prospective, randomised controlled trial	Woodnutt, David / Hamerlynck, Karel
EFORT12-3908	Functional results following navigated total hip replacement	Gill, Inder / Sloan, Karen / Clark, Gavin
EFORT12-3953	Does the fixation method have an influence on failure on hip resurfacing?	Campbell, Patricia / Griffin, Damian / Costa, Matthew / Amarasekera, Hiran
EFORT12-3955	Hip arthroscopy complications: The patient's perspective	Tsvieli, Oren / Moskovich, Hagay / Alkrinawi, Nassim / Dolkart, Oleg / Maman, Eran / Rath, Ehud / Amar, Eyal

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NR.	TITLE	AUTHORS
EFORT12-4002	Effectiveness of pre-operative assessment for primary hip arthroplasty: An audit of current practice in the Royal Devon and Exeter Hospital	Dunkerley, Sarah
EFORT12-4021	A biomechanical evaluation of the interprosthetic distance as a risk factor for periprosthetic fractures of the femur: Does the gap distance matter?	Corten, Kristoff / Segal, Olivier / Quiryren, Thomas / Bellemans, Johan / Simon, Jean-Pierre
EFORT12-4043	Outcomes of Birmingham hip resurfacing in patients with inflammatory arthritis	Daniel, Joseph / Pradhan, Chandra / Pynsent, Paul / Treacy, Ronan / Thomas, Andrew / McMinn, Derek / Pradhan, Anup
EFORT12-4045	Is preoperative hip arthroscopy a requirement for periacetabular osteotomy?	Gulhane, Sandesh / Meek, Dominic / Hussain, Sheik / Patil, Sanjeev
EFORT12-4087	Modular neck-stem hip prosthesis – do we really need this?	Gill, Inder / Sloan, Karen / Webb, James / Beaver, Richard
EFORT12-4105	Correlation between the stress shielding and clinical outcome after total hip arthroplasty with extensive porous coated stem	Moon, Kyoung Ho / Kwon, Dae Gyu
EFORT12-4245	Mid-term experiences with bicontact revision stem	Kane, Vijay / Mishra, Bhanu / Yallapa, Sachin / Kumar, Vishal / Prasad, Ganesh
EFORT12-4273	High wear of conventional polyethylene in uncemented acetabular cup, regardless of the inclination and the type of ceramic caput	Aga, Cathrine / Röhrli, Stephan / Dahl, Jon / Nordsletten, Lars
EFORT12-4322	Estimating in vivo wear in hard-on-hard hip bearings using stem-referenced point-transfer	Johanson, Per-Erik / Eriksson, Michael / Kärrholm, Johan
EFORT12-4330	Dislocation after total hip arthroplasty	Diaz, Ramiro / Anania, Andres / Sabatella, Carlos
EFORT12-4336	Long-term wear characteristics of a contemporary uncemented cup – 65 Trilogy-cups followed up to 15 years with RSA	Johanson, Per-Erik / Digas, Georgios / Herberts, Peter / Thanner, Jonas / Thien, Truike / Kärrholm, Johan
EFORT12-4348	Screening for adverse reactions to metal ion debris in Metal-on-Metal hip replacements: Poor sensitivity and specificity of current guidelines on metal ion levels	Chitre, Amol / Wynn Jones, Henry / Smith, Emma
EFORT12-4353	Immediate postoperative weight bearing reduces the incidence of VTE risks after THA as using chemical prophylaxis	Matsubara, Masaaki / Yokote, Ryo / Hirasawa, Naoyuki / Okuda, Naoki / Ishii, Kenshi
EFORT12-4409	The short stem prosthesis (Metha) in DDH patients – a follow-up of more than 2 years	Von Lewinski, Gabriela / Floerkemeier, Thilo / Floerkemeier, Stephanie / Radtke, Kerstin / Windhagen, Henning
EFORT12-4421	Obesity – is there a contraindication for total hip arthroplasty with a short stem prosthesis?	Von Lewinski, Gabriela / Floerkemeier, Thilo / Floerkemeier, Stephanie / Radtke, Kerstin / Windhagen, Henning
EFORT12-4454	Long term performance of Metal-on-Metal hip resurfacing arthroplasty in Asian – 7 to 12 years follow up	Cho, Yoonje / Kwak, Sangjoon
EFORT12-4468	Wear rate of highly cross-linked UHMWPE for long term follow up. Is it really superior to conventional UHMWPE?	Cho, Yoonje / Kwak, Sangjoon
EFORT12-4621	Optimal cup positioning for total hip arthroplasty in Crowe Grade IV dislocated hips	Yoshida, Hironori / Nakamura, Takuya / Maeda, Toru / Kajino, Yoshitomo / Iwai, Shintaro / Kuroda, Kazunari / Tsuchiya, Hiroyuki / Fujita, Kenji / Kabata, Tamon

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NR.	TITLE	AUTHORS
EFORT12-4642	Relationship between lateral acetabular coverage and femoroacetabular impingement	Nishikino, Shoichi / Hoshino, Hironobu / Koyama, Hiroshi / Suzuki, Daisuke / Matsuyama, Yukihiko
EFORT12-4713	The medium term results of uncemented total hip replacement surgery in children with juvenile idiopathic arthritis	Daurka, Jasvinder / Malik, Ahmad / Witt, Johan
EFORT12-4794	Clinical and radiographic performance of Conserve® cup in large-diameter Metal-on-Metal articulation	Evanggelou, Konstantinos / Megas, Panagiotis / Tsoumpou, Pantelis / Panagiotopoulos, Dimitrios / Anagnostou, Konstantinos / Georgiou, Christos
EFORT12-4806	The swollen leg that wasn't a DVT following total hip replacement	Young, Andrew
EFORT12-4809	Validation of the Nottingham hip fracture prognostic score: A princess royal perspective	Sur, Avtar
EFORT12-4831	Development and validation of a sexual function questionnaire for patients undergoing total hip arthroplasty	Facek, Michael / Walter, William / Latham, Jeremy / Monga, Ash / Turner, James / Tilley, Simon
EFORT12-4867	Tribological assessment of an optimised Ceramic-on-Metal hip device	Li, Chenxi / Kamali, Amir / Hussain, Azad / Pamu, Joseph / Cameron, Ruth / Daniel, Jasper
EFORT12-4869	Wound closure following primary total hip arthroplasty. A prospective, randomised, controlled trial	Baird, Emily / Jones, Bryn / Stark, Andrew / Abu-Rajab, Rashid / Bidaye, Amrsh / Ingram, Roland / Siddiqui, Manal / Anthony, Iain
EFORT12-4893	Stress fractures at the stem-sleeve junction of a femoral stem in a modular total hip replacement	Abouazza, Omar / O'Donnell, Turlough / Neil, Michael
EFORT12-4927	A rare cause of hip pain following a fall: Leaking common iliac artery aneurysm	Alsawadi, Abdulrahman / Hassan, Sabih / Alam, Mahbub / Suresh, Silvakolundu
EFORT12-4980	Is asymmetrical loading during functional activity associated with wear in resurfaced hips?	Gill, Harinderjit / Murray, David / Grammatopoulos, George / Mellon, Stephen
EFORT12-5003	Compaction vs. broaching surgical technique with the cementless bi-metric femoral stem	Stilling, Maiken / Søballe, Kjeld / Nielsen, Poul / Hedevang Christensen, Poul / Kold, Søren
EFORT12-5064	The "extreme lateral bump" in cam femoroacetabular impingement: Description, prevalence and safety for arthroscopic resection	Mella, Claudio / Diaz, Claudio / Villalon, Ignacio / Lara, Joaquin / Parodi, Dante
EFORT12-5101	Tumors about the hip joint misdiagnosed as FAI syndrome or labral tears	Comba, Fernando / Buttarro, Martin / Piccaluga, Francisco
EFORT12-5132	The outcome of Metal-on-Metal bearing surfaces in hip arthroplasty	Cashman, Kara / Davidson, David / Graves, Stephen / De Steiger, Richard
EFORT12-5151	Biomechanical evaluations of a bio-cement augmented gamma nail screw vs. non-augmented in an osteoporotic femoral head model	Cabrera-Palacios, Hector / Paech, Andreas / Schulz, Peter / Wilde, Erik / Wendlandt, Robert
EFORT12-5155	The use of femoral stems with modular necks in total hip replacement increases the risk of revision	Graves, Stephen / De Steiger, Richard / Davidson, David / Cashman, Kara
EFORT12-5185	Does accurate cup positioning in Lewinnek's "safe zone" alter the likelihood of adverse outcomes in Metal-on-Metal hip arthroplasty	Smith, Emma / Wynn Jones, Henry / Chitre, Amol
EFORT12-5211	Native anatomy in primary hip osteoarthritis - does it match recommendations for "safe" component orientation in THA?	Grammatopoulos, George / Waldstein, Wenzel / Pegg, Elise / Pandit, Hemant / Murray, David / Aldinger, Peter / Gill, Harinderjit / Merle, Christian

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NR.	TITLE	AUTHORS
EFORT12-5215	Less wear and less osteolysis with crosslinked PE? A 14-years randomized clinical trial comparing crosslinked to conventional PE using CT analysis	Grimm, Bernd / Heyligers, Ide / Tonino, Alfons
EFORT12-5398	Hip fracture complications and blood transfusion	Hidalgo Díaz, Juan / Collado Torres, Francisco
EFORT12-5493	Large head Metal-on-Metal hip replacement – a prospective randomized comparative metal ion analysis of three stem variations using the same bearing	Holland, Jim / Ramaskandhan, Jayasree / Brewster, Nigel / Weir, David / Hashmi, Munawar / Bettinson, Karen / Muthumayandi, Karthikeyan
EFORT12-5499	Custom implant for Paprosky IIIb acetabular revision: A case report	Delpert, Hendrik / Mulier, Michiel
EFORT12-5511	10-year review of patients treated with a cementless Dual-Mobility Cup	Fiquet, Arnaud
EFORT12-5527	The effect of institutionalized rehabilitation in patients with primary hip replacement surgery with muscle-sparing technique in the supine position	Månsson, Lukas / Olsson, Marianne
EFORT12-5530	Leg length discrepancy after primary THR: Radiological & clinical follow up	Brunton, Luke / Blom, Ashley / Whitehouse, Michael / Stefanovich-Lawbuary, Natalija
EFORT12-5568	Polyaxial locked implants in the treatment of type Vancouver B1 periprosthetic fractures of the femur: Retrospective clinical examination in 58 cases with the revue of the litterature	Bahri, Nouredine / Schulz, Arndt Peter / Wurm, Martin / Hamdi, Mounir
EFORT12-5639	Cementless HXLPE “All Poly” Pressfit-Cup with vitamin E in THR - a multicenter surveillance study of 553 cases	Beck, Martin / De Gast, Arthur / Baines, Joseph / French, Gary / Rehbein, Philipp
EFORT12-5662	Acetabuloplastic structural bone graft with cementless acetabular components for the treatment of dysplastic hips	Kajiwara, Toshihisa
EFORT12-5705	Low dislocation rates in total hip replacement with the use of a small diameter (22mm) femoral head implanted using the posterior approach	Sochart, David
EFORT12-5708	Chrome and cobalt serum concentration in total hip arthroplasty: Metal-on-Metal vs. Polyethylene	Gonzalez Estecha, Monserrat / Valles, Alfonso / Gebhard, Carlos / Fuentes, Manuel / Plasencia, Miguel Ángel / De Pedro, Jose Antonio / Castel, Ana
EFORT12-5752	Limb Lengthening following internal Hemipelvectomy – clinical results with a fully implantable distraction nail (Fitbone)	Baumgart, Rainer
EFORT12-5845	Does the alignment of the femoral stem affect patient functional outcome following primary total hip replacement?	Gikas, Panagiotis / Tyler, Philippa / Coward, Pamela / Carrington, Richard / Skinner, John / Briggs, Timothy / Miles, Jonathan / Holleyman, Richard
EFORT12-5856	Does hip abductor lever arm affect patient functional outcome following primary total hip replacement?	Gikas, Panagiotis / Tyler, Philippa / Coward, Pamela / Carrington, Richard / Skinner, John / Briggs, Timothy / Miles, Jonathan / Holleyman, Richard
EFORT12-7003	Hip fracture and activities of daily living	Castán, Lidia / Canales, Vicente / Mesa, Pilar / Lamban, Noemi
EFORT12-7004	Hip fractures, pre-morbid state, and geriatric assessment team	Castán, Lidia / Canales, Vicente / Mesa, Pilar / Lamban, Noemi

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## Lower limb

NR.	TITLE	AUTHORS
<b>Knee osseous</b>		
EFORT12-1086	Behaviour of the synovial fluid cytokines after a total knee replacement in osteoarthritis	Mendez, Ana / Lozano, Luis / Segur, Josep Maria / Maculé, Francisco / Martínez-Pastor, Juan Carlos / Ares, Oscar / Suso, Santiago / Popescu, Dragos
EFORT12-1093	Effect of the platelet rich plasma on the biomechanical strength of medial collateral ligament repair in a rat model	Khashan, Morsi / Kaufman, Ehud / Snir, Nimrod / Amar, Eyal / Morag, Guy / Salai, Moshe / Dolkart, Oleg
EFORT12-1108	Tibial strut graft in a patient with tibial pain following revision total knee replacement	Jain, Neil / Knowles, David
EFORT12-1128	How much posterior cruciate ligament is retained in total knee arthroplasty?	Matziolis, Georg / Mehlhorn, Saskia / Perka, Carsten
EFORT12-1151	Total knee arthroplasty in patients with Parkinson disease: Short to medium term outcomes	Cochrane, Lynda / Putti, Amit / Tinning, Craig
EFORT12-1187	A meta-analysis of randomised controlled trials comparing total blood loss following early and late tourniquet release in knee arthroplasty	Cunningham, Laurence / Galvin, Rose / McCarthy, Tom / O'Byrne, John
EFORT12-1195	Medium term results of using per-operative knee arthroscopy to assess suitability for unicompartmental knee replacement	Watts, Mark / Peden, Samantha / Stokes, Andrew / McMeniman, Peter / Myers, Peter / Lloyd, John
EFORT12-1294	The incidence of alcohol-associated osteonecrosis of the knee is lower than the incidence of steroid-associated osteonecrosis of the knee: A MRI study	Kishida, Shunji / Nakamura, Junichi / Harada, Yoshitada / Takahashi, Kazuhisa / Shigemura, Tomonori / Takeshita, Munenori
EFORT12-1356	Minimally invasive total knee arthroplasty through a mini midvastus approach. Outcomes and experience from 370 cases	Pothitakis, George / Stamatopoulos, Dimitrios / Apodiakos, Matthaios / Pachnoudakis, Markos / Koukakis, Athanasios
EFORT12-1620	Oxford phase-3 unicompartmental knee arthroplasty versus total knee arthroplasty for medial tibio-femoral arthritis of the knee joint: Comparing short to mid-term results	Dimitrov, Borislav D. / Kenny, Paddy / Shaikh, Aamir
EFORT12-1709	Single or combined Maquet III osteotomy: Long term results	Oliveira, João Pedro / Fonseca, Fernando / Marques, Pinho / Veloso, José
EFORT12-1729	The coast study: One-year european results with a load absorbing implant for patients with medial knee osteoarthritis (OA)	London, Nicholas / Hayes, David / Waller, Craig / Williams, Rhys / Verdonk, René / Wilton, Tim / Richardson, James / Almqvist, Fredrik
EFORT12-1801	Sagittal plane evaluation of active patellar motion and patellar height ratio in patients with patellofemoral pain	Harnroongroj, Thossart / Chareancholvanich, Keerati / Narkbunnam, Rapeepat
EFORT12-1804	"Knee triangular ratio" the most reliable patellar height measurement method in varying degree of knee flexion & quadricep action	Narkbunnam, Rapeepat / Chareancholvanich, Keerati / Pornrattanamaneewong, Chaturong
EFORT12-1893	Analysis of bilateral cases in total knee replacement: Comparison between cruciate retaining and posterior stabilized	Cenni, Francesco / Belvedere, Claudio / Leardini, Alberto / Lullini, Giada / Bove, Francesco / Bove, Gabriele / Giannini, Sandro / Berti, Lisa
EFORT12-1897	High tibial osteotomy versus unicompartmental knee replacement in patients with medial compartment osteoarthritis	Baloch, Khalid / Pynsent, Paul / Matharu, Gulraj / Robb, Curtis



## Lower limb

NR.	TITLE	AUTHORS
EFORT12-1939	Comparative study of blood loss using custom made cutting blocks vs. traditional instrumentation for total knee arthroplasty	Bello Prats, Santiago / Moreno García, Alonso / Cabello Blanco, Juan / Leal Helmling, José Luis
EFORT12-2022	Postoperative cell salvage in primary unilateral total knee arthroplasty: A meta-analysis	Cunningham, Laurence / Keogh, Claire / O'Byrne, John / Muir, Kenneth
EFORT12-2030	Length of stay following primary total knee replacement	Weale, Adrian / Smith, Hannah / Blair, Peter / Jonas, Sam
EFORT12-2033	Evaluation of the posterior tibial slope using MR images in different population groups using the tibial proximal anatomical axis	Nonan, Sujith / Mannan, Ken / Scott, Gareth / Haddad, Behrooz
EFORT12-2135	Comparison of the changes in the patellar tendon thickness with flexion between meniscal bearing and rotating platform design prosthesis	Ishii, Yoshinori / Noguchi, Hideo / Sato, Junko / Takeda, Mitsuhiro
EFORT12-2172	Blood loss following total knee arthroplasty: There is more to it than what meets the eye	Alshryda, Sattar / Chandak, Shikha / Sarda, Praveen / Maheswaran, S
EFORT12-2192	The 3-hour-interval clamping of the drain reduces postoperative bleeding in total knee arthroplasty: A prospective randomized controlled trial	Narkbunnam, Rapeepat / Charoencholvanich, Keerati / Pornrattanamaneewong, Chaturong / Siri wattanasakul, Pichet
EFORT12-2198	Correlation between dysplasia of the distal femoral metaepiphysis and osteochondritis dissecans of the knee	Dzejkala, Valerij / Balaboshka, Kanstantsin / Mastykau, Anton
EFORT12-2223	Factors affecting the clinical outcome after high tibial open-wedge osteotomy	Floerkemeier, Stephanie / Staubli, Alex / Schroeter, Stefan / Goldhahn, Sabine / Lobenhoffer, Philipp
EFORT12-2261	Stanmore Modular Individualised Lower Extremity System (SMILES): Rotating hinge knee prosthesis in primary complex total knee arthroplasty	Perera, Jonathan / Gikas, Panagiotis / Bayliss, Lee / Aston, William / Carrington, Richard / Pollock, Robin / Skinner, John / Cannon, Stephen / Blunn, Gordon / Bentley, George / Briggs, Timothy
EFORT12-2279	Arthrodesis of the knee - still an acceptable option after total knee arthroplasty ?	Heppert, Volkmar
EFORT12-2294	Use of primary prostheses versus revision prostheses in revision total knee arthroplasty	Reininga, Inge / Boerboom, Alexander / Bulstra, Sjoerd / Stevens, Martin / Meijer, Marringje
EFORT12-2295	Revision following failure of patello-femoral arthroplasty	Baker, Paul / Refaie, Ramsay / Gregg, Paul / Deehan, David
EFORT12-2335	Dislocation of the mobile bearing after total knee arthroplasty: A report of 22 cases of spinout	Spence, David / Doran, Emer / O'Brien, Seamus / Beverland, David / Diamond, Owen
EFORT12-2344	Is it justified to ration total knee arthroplasty based on Body Mass Index?	Jameson, Simon / Reed, Mike / Gregg, Paul / Deehan, David / Petheram, Tim / Baker, Paul / Mackie, Alisdair
EFORT12-2346	In vivo movement of femoral flexion axis of a single-radius total knee arthroplasty	Shimizu, Norimasa / Tomita, Tetsuya / Yamazaki, Takaharu / Iwamoto, Keiji / Kurita, Masahiro / Sugamoto, Kazuomi
EFORT12-2357	TKA design; does it really matter? RCT AGC vs. NexGen, clinical and radiological study	Remes, Ville / Haapamäki, Ville / Alberty, Anne / Helenius, Ilkka / Paavolainen, Pekka / Manninen, Mikko
EFORT12-2362	Unicompartmental knee arthroplasty: Midterm results with Endomodel Uni Link implant	Zorzi, Claudio / Condello, Vincenzo / Madonna, Vincenzo / Cortese, Fabrizio

Selected within the best e-posters



## Lower limb

NR.	TITLE	AUTHORS
EFORT12-2398	Oxford knee questionnaire. Is information identically informative before and after knee replacement?	Diesinger, Yann / Jenny, Jean-Yves / Louis, Pascal
EFORT12-2406	Floating platform total knee replacement. Prospective evaluation after 5 to 8 years	Diesinger, Yann / Jenny, Jean-Yves / Miehke, Rolf / Saragaglia, Dominique
EFORT12-2418	Allogenic extensor mechanism transplantation: Mid to long-term results	Cavaliere, Pietro / Ciccolo, Francesco / De Meo, Federico / Ribas, Manuel / Vilarrubias, Jose
EFORT12-2436	No effect of knee joint icing on knee-extension strength or knee pain early after total knee arthroplasty	Holm, Bente / Husted, Henrik / Kehlet, Henrik / Bandholm, Thomas
EFORT12-2449	Total knee replacement in hemophilia	Habermann, Bjoern / Kafchitsas, Konstantinos / Kurth, Andreas
EFORT12-2510	Diagnostic accuracy of ACL tears according to tear morphology	Dhillon, Ajit / Al-Dadah, Oday / Servant, Chris
EFORT12-2553	The accuracy of preoperative templating in Total Knee Arthroplasty (TKA) using Electromagnetic (EM) computer navigation	Keenan, Jonathan / Abdel Karim, Mahmoud
EFORT12-2565	Radiologic discrepancy in knees with lateral meniscus tear	Lee, Su-Chan / Jung, Kwang-Am / Park, Il-Seok / Hwang, Byoung-Yoon
EFORT12-2604	Early post-operative predictors of satisfaction following total knee arthroplasty	Williams, Derfel / O'Brien, Seamus / Doran, Emer / Price, Andrew / Beard, David / Murray, David / Beverland, David
EFORT12-2643	The outcome of revision total knee arthroplasty in the octogenarian population: A case-control study	Jung, Kwang-Am / Nam, Chang Hyun / Hwang, Bo Hyun / Lee, Su-Chan
EFORT12-2698	Does patient education and training pre-operatively improve length of stay in uni-compartmental knee arthroplasty?	May, Jonathan / Raglan, Martin / Boot, Peter / Ali, Fazal / Chandrasenan, Jeevan / Khan, Sayed
EFORT12-2733	Adequate component type selection, cruciate retaining(CR) or posterior substitute(PS) by intra-operative gap measurement in TKA in patients with flexion contracture	Kaneyama, Ryutaku / Fukuda, Hideaki
EFORT12-2742	Pilot clinical study on a nanostructured synthetic biomimetic scaffold for the treatment of osteochondral defects: Outcomes at 4 years	Filardo, Giuseppe / Di Martino, Alessandro / Patella, Silvio / Perdisa, Francesco / Di Matteo, Berardo / Iacono, Francesco / Zaffagnini, Stefano / Marcacci, Maurilio / Kon, Elizaveta
EFORT12-2830	Patient matched technology vs conventional instrumentation and CAS	León, Vicente / Lisón, Alonso
EFORT12-2840	How does obesity affect in life-quality and in functional assessment in patients with knee conditions?	León, Vicente / Escámez, Ángel / Lisón, Alonso
EFORT12-2927	The KineSpring® system: An early surgical option for patients with medial knee OA	Parker, James / Williams, Rhys / Almqvist, Fredrik / Verdonk, René / Wilton, Tim / Richardson, James / Waller, Craig / Hayes, David / London, Nicholas
EFORT12-2937	Clinical outcome in patients after total knee arthroplasty compared to unicompartmental arthroplasty	Sodha, Sonal / Minas, Tom / Fitz, Wolfgang / Gomoll, Andreas / Von Keudell, Arvind
EFORT12-3274	Antibiotic-loaded bone cement in primary total knee arthroplasty	Oliveira, Vasco / Antunes, João / Mendes, António / Carvalhais, Pedro / Gonzalez, Mário / Pereira, Fernand



## Lower limb

NR.	TITLE	AUTHORS
EFORT12-3315	Kinematic alignment versus standard mechanical alignment in cadaveric knee specimen	Hozack, William / Collopy, Dermot / Mayr, Eckart / Deirmengian, Gregory / Sekyra, Kathrin / Nogler, Michael
EFORT12-3333	Patella resurfacing in total knee arthroplasty: A survey of the practice of British Orthopaedic Surgeons	Sandiford, Nemandra / Alao, Uthman / Salamut, Wazirl
EFORT12-3367	Results from a randomized clinical trial of a peri-operative behavioral intervention to improve physical activity adherence and functional outcomes following total knee replacement	Rosal, Milagros / Li, Wenjun / Oatis, Carol / Ayers, David / Franklin, Patricia
EFORT12-3393	Component alignment and functional outcome: A comparison between computer assisted total knee replacement and conventional Jig based surgery	Kailathuvalapil, Jai Thilak
EFORT12-3423	Is tourniquet use necessary for total knee replacement (TKR) – a prospective, randomised trial – early results	Johnson, David / Turner, Philip / Cross, Charlotte / Mulgrew, Emma
EFORT12-3455	Autologous chondrocyte implantation to isolated patella defects: A clinical and radiological assessment	Von Keudell, Arvind / Bryant, Tim / Minas, Tom
EFORT12-3495	The burden of arthroscopy in the knee. Analysis from the English NHS	Downen, Daniel / Jameson, Simon / Reed, Mike / Deehan, David
EFORT12-3516	Surgical centre and patient factors influence risk of progression to knee replacement following arthroscopy	Downen, Daniel / Jameson, Simon / Reed, Mike / Deehan, David / Baker, Paul
EFORT12-3521	Targeted thromboprophylaxis in knee arthroplasty – an audit of 5544 patients	Pearce, Andrea / Britton, John / Wilson, Adrian / Thomas, Neil / Rossiter, Nigel / Stranks, Geoff / Cox, George
EFORT12-3636	Clinical outcome of revision surgeries of septic and aseptic total knee arthroplasties	Lohmann, Christoph H. / Guethoff, Wilhelm / Meyer, Heiko
EFORT12-3655	Medial ligamentous tightness can be relaxed after well-aligned total knee arthroplasty	Lee, Tae Hyun / Tsukeoka, Tadashi
EFORT12-3740	Changes of lactate levels after pneumatic tourniquet in TKA surgery	León, Vicente / Escámez, Ángel / Calvo Marcos, Víctor / Escribano, Guillermo / Buitrago, Guadalupe / Cantero, María José
EFORT12-3930	Randomised double blinded clinical trial of Tourniquet application strategies for total knee arthroplasty: A pilot study	Porvaneckas, Narunas / Andrijauskas, Audrius / Svensen, Christer / Kvederas, Giedrius
EFORT12-3948	The Influence of the arterial tourniquet in healthy patients undergoing total knee arthroplasty	Holm, Henriette / Kristensen, Per / Kjærsgaard-Andersen, Per / Rasmussen, Lasse
EFORT12-3968	Comparative antero-posterior laxity of ultra congruent or posterior stabilized Triathlon™ total knee arthroplasty	Mertl, Patrice / Arnalsteen, Damien / Lardanchet, Jean François / Taviaux, Jerome / Brunschweiler, Benoit
EFORT12-3979	Femorotibial rotation is influenced by the position of the fibular head after implantation of a total knee prosthesis	Pfitzner, Tilman / Matziolis, Georg / Perka, Carsten
EFORT12-4030	Sport with Oxford III medial unicompartmental knee arthroplasty – what can we expect?	Wohlleb, Lisa / Weber, Patrick / Jansson, Volkmar / Müller, Peter / Pietschmann, Matthias
EFORT12-4078	Radiologic mismatch in end-stage medial compartment knee osteoarthritis	Hwang, Byoung-Yoon / Jung, Kwang-Am / Choi, Duck-Hyun / Lee, Su-Chan
EFORT12-4111	Custom-fit cutting blocks for total knee arthroplasty: Comparison between two different systems	Timoncini, Antonio / Cenni, Francesco / Giannini, Sandro / Leardini, Alberto / Belvedere, Claudio / Ensinì, Andrea
EFORT12-4140	Does gender specific femoral component replicate female distal femur?	Tanavalee, Aree / Chaichankul, Chaiyos / Tantavisut, Saran / Ngarmukos, Srihatach / Wilairatana, Vajara / Wangroongsub, Yongsak

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NR.	TITLE	AUTHORS
EFORT12-4371	Swelling around Bio absorbable interference screw following ACL reconstruction	Haque, Syed / Sundararajan, S / Umar, M
EFORT12-4477	Could preoperative rehabilitation education improve total knee arthroplasty outcomes?	Utkan, Ali / Yilmaz, Özlem / Ceritoglu, Kubilay / Köse, Cem / Bodur, Hatice / Tümüöz, Mehmet
EFORT12-4566	Successful prevention of surgical pathology: A report of two cases with a clear history of Pyoderma Gangrenosum where successful total knee arthroplasty was performed under prophylactic immunosuppression	Naim, Soulat / Bower, Chris / Toms, Andrew D. / Hill, Daniel
EFORT12-4567	The Uniglide unicompartmental knee replacement: Early functional outcomes and survivorship from an independent centre	Richmond, Catherine / Spalding, Tim / Thompson, Peter / Odumenya, Michelle
EFORT12-4592	The outcome of total knee arthroplasty in patients aged 80 years and older: A study of 479 patients	Jung, Kwang-Am / Nam, Chang Hyun / Hwang, Bo Hyun / Lee, Su-Chan
EFORT12-4603	Clinical features and prognosis of fungal periprosthetic joint infections following primary total knee arthroplasty	Jung, Kwang-Am / Nam, Chang Hyun / Yoon, Ji Yeol / Hwang, Bo Hyun / Lee, Su-Chan
EFORT12-4612	Predictors and clinical features of patellar crepitus after total knee arthroplasty without patellar resurfacing: A case-control study	Lee, Su-Chan / Jung, Kwang-Am / Nam, Chang Hyun / Hwang, Bo Hyun
EFORT12-4744	Total knee arthroplasty in patients over 80 years. Results and complications	Moreno Garcia, Alonso / Valverde, Ana / Leal Helmling, José Luis / Bello Prats, Santiago
EFORT12-4903	Change in Tourniquet Application Practice; What did we observed?	Ul Haq, Muhammad / Jafri, Mansoor / Hashmi, Munawar
EFORT12-4997	Degeneration of lateral discoid meniscus after high tibial osteotomy on MRI	Kwon, Saekwang / Moon, Kyoung Ho
EFORT12-5014	Increased periprosthetic stress shielding with an I-beam compared with a finned tibial component stem design. An RCT with 2-years follow-up by RSA and DXA	Stilling, Maiken / Odgaard, Anders / Rømer, Lone / Rahbek, Ole / Andersen, Niels / Søballe, Kjeld / Madsen, Frank
EFORT12-5015	Improved metaphyseal fixation of revision total knee arthroplasty with metal modular augments fixed to the bone instead of the tibial baseplate	Manfredini, Luca / Baldini, Andrea / Traverso, Francesco / Grappiolo, Guido
EFORT12-5072	Building a US national consortium of orthopedic practices for function and outcomes research in total joint replacement	Franklin, Patricia / Allison, Jeroan / Harrold, Leslie / Li, Wenjun / Barton, Bruce / Ayers, David
EFORT12-5133	The distal femoral hypoplasia according to axial alignment in lateral compartment osteoarthritic knees	Park, Il-Seok / Jung, Kwang-Am / Lee, Ha Eun / Hwang, Seung hyun / Lee, Sang Won / Ong, Alvin
EFORT12-5193	The entry point location of intramedullary guide for tibial component in TKA. A 3D simulation study	Sato, Takashi / Murayama, Takayuki
EFORT12-5301	Is there risk of osteoporotic fracture in elderly patients after total knee replacement?	Popescu, Dragos / Lozano, Luis / Sastre, Sergi / Martinez-Pastor, Juan Carlos / Alsina, Ivan / Segur, Josep Maria / Maculé, Francisco / Suso, Santiago / Ares, Oscar
EFORT12-5426	All press fit arthroscopic anterior cruciate ligament reconstruction with quadruple hamstring tendon graft	Farouk, Hazem / Abdel Karim, Mahmoud / Taha, Ayman / Rizk, Ahmed / Singergy, Abdel Aziz
EFORT12-5497	Longterm benefits comparing intra-articular betamethasone with sodium hyaluronate in patients with knee osteoarthritis	Almqvist, Fredrik / Van Lauwe, Johan / Van der Bracht, Hans / Vansintjan, Pieter / Luyten, Frank

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NR.	TITLE	AUTHORS
EFORT12-5501	Can a general hospital equal a designer hospital in joint arthroplasty outcome using a unicompartmental knee arthroplasty?	Hoekstra, Henk / Van Der Weegen, Walter / Van Drumpt, Rogier
EFORT12-5605	Is the outcome of knee arthroplasty different for rheumatoid arthritis compared to osteoarthritis?	Williams, Derfel / Price, Andrew / Beard, David / Arden, Nigel / Hadfield, S / Murray, David / Field, Richar
EFORT12-5616	A new technique for radiological measurement of patellar position	Hoyek, Fadi / Chaanine, Celine / Abi Hatem, Marc / Dagher, Elissar / Tabet, Monique / Chelala, Amale / Lahoud, Pascal / Lahoud, Jean-Claude
EFORT12-5669	The management of infected proximal tibial non-unions with Ilizarov method	Tzeltzes, Vasileios / Saridis, Alkis / Tyllianakis, Minos / Georgiou, Christos / Matzaroglou, Charalampos
EFORT12-5703	Is a group Et save a prerequisite for safe total knee replacement when using an autologous drain?	Silk, Zacharia / Gibbons, Charles / Williams, Andrew / Ha, Joon / Hope, Natalie / Alhuwalia, Raju
EFORT12-5746	"Normal Kneeling" in the elderly population	Gbejade, Herbert / Hassaballa, Mo / Robinson, James / Murray, James / Porteous, Andrew
EFORT12-5763	Force plate analysis of kneeling in normal individuals and after knee arthroplasty	Gbejade, Herbert / Hassaballa, Mo / Robinson, James / Murray, James / Porteous, Andrew / Beavan, David
EFORT12-5823	Anatomic anterior cruciate ligament reconstruction with the Clancy® guides. Surgical technique	Diaz Heredia, Jorge / Ruiz Iban, Miguel / Gomez, Helena / Gonzalez, Fausto / Garcia Cabezuola, Patricia / Moreno Quintanilla, Isabel / Cebreiro Martinez del Val, Ignacio / Lopez Lorenzo, Maria Paz
EFORT12-7006	Tantalum Implant for Advancement of Tibial Tubercle. A Prospective Randomized Study	Torres, Ana / Fairen, Mariano / Querales, Virginia / Jakowlew, Alexander

## Trauma

NR.	TITLE	AUTHORS
<b>Trauma upper limb</b>		
EFORT12-1141	Coracoid fracture associated with acromioclavicular joint dislocation - case report	Sousa, Marco / Massada, Marta / Sousa, Ricardo / Pereira, Alexandre / Freitas, Daniel / Costa, Luis / Ramos, Joaquim / Lourenço, José / Aido, Ricardo
EFORT12-1387	Evaluation of a novel humeral brace - can Charnley's principle of 3 point fixation be applied to the management of humeral shaft fractures?	Young, Peter / Uzoigwe, Chika / Gelder, Rachael / Middleton, Rory / Burnand, Henry / Modi, Amit
EFORT12-1640	The fracture clinic falls short in managing osteoporosis	Griffiths, Jamie / Matthews, Lewis / Shetty, Shilpith / Hobby, Jonathan
EFORT12-1704	Outcomes of humeral osteotomies in the treatment of fracture sequelae	Russo, Raffaele / Ciccarelli, Michele / Cautiero, Fabio
EFORT12-1740	More information interferes observer agreement in the categorization of proximal humerus fractures	Santana, Fernando / Cassart-Masnou, Elisa / Goberna, Rocio / Mora, Jose Maria / Torrens, Carlos / Miquel, Joan
EFORT12-1907	Manage of conservatively treated proximal humeral fractures. Prospective randomized study	Rigol, Pau / Santana, Fernando / Alier Fabrego, Albert / Puig, Lluís / Torrens, Carlos
EFORT12-1953	Acromioclavicular joint reconstruction: A comparative biomechanical study of three techniques	Lädemann, Alexandre / Hoffmeyer, Pierre



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NR.	TITLE	AUTHORS
EFORT12-1974	Compartment Syndrome of the forearm associated with Allopurinol induced toxic epidermal necrolysis: a case report	Kamal, Tamer / Elnikety, Sherif / Elsorafy, Karim / Rao, Madhu / Casha, James
EFORT12-2097	MRI study of the rotator cuff degeneration after a proximal humeral fracture conservatively treated	Miquel, Joan / Cassart-Masnou, Elisa / Corrales, Monica / Torrens, Carlos / Santana, Fernando / Solano, Alberto
EFORT12-2201	Comparison between fixed angle and variable angle locking plate for distal radius fracture fixation	Dheerendra, Sujay / Waseem, Mohammad / Singhal, Rohit
EFORT12-2385	Treatment of Mason II fractures by percutaneous reduction using a K-wire	Perka, Carsten / Winkler, Tobias / Schmidmaier, Gerhard / Simon, Paul
EFORT12-2827	Intramedullary nailing in humerus fractures	Sitnik, Alexandre / Beletsky, Alexandre
EFORT12-3025	Management of occult scaphoid fractures	Winter, Alison / Abu-Rajab, Rashid
EFORT12-3182	Metaizeau technique in highly displaced radial neck fractures in children	Sezer, Hasan Basri / Armagan, Raffi / Eren, Osman Tugrul / Kanar, Muharrem
EFORT12-3256	The boxer's fracture: Conservative management strategies and patient-oriented outcome	Wigderowitz, Carlos / Alipour, Faz / Tinning, Craig
EFORT12-3281	Refracture of radius through the retaining screw hole in a boy treated with bioabsorbable PLLA implants two years ago - a case report	Chang, Chun Chien
EFORT12-3289	Mangled limbs: Salvage beyond scoring systems	Pinto, Narendra / Weerasuriya, Thisara
EFORT12-3291	A series of upper limb re-implantations	Weerasuriya, Thisara / Pinto, Narendra
EFORT12-3365	Lateral conyle humeral fractures in children: Treatment solutions	Bizic, Marta / Jaramaz-Ducic, Tatjana / Radlovic, Vladimir / Bukva, Bojan / Brdar, Radivoj / Vidosavljevic, Marko / Abramovic, Dusan / Ducic, Sinisa
EFORT12-3566	Percutaneous treatment of fractures by injection of biological cement	Cristea, Stefan / Groseanu, Florin / Prundeanu, Andrei / Gartonea, Dinu / Papalici, Andrei / Gavrilă, Mihai / Panait, Gheorghe
EFORT12-3619	Is locked anatomic plate fixation out of problem in adult displaced clavicle fractures?	Güven, Melih / Özler, Turhan / Kocadal, Abdurrahman / Uluçay, Çagatay / Beyzadeoglu, Tahsin / Altintas, Faik
EFORT12-4119	Outcome after elastic nailing and plate osteosynthesis of clavicular fractures	Maansson, Lukas / Brun, Ole-Christian
EFORT12-4172	Results of non-union of humerus fractures treated with retrograde halder humeral nail	Halder, Subhash / Bhatt, Hinesh
EFORT12-4306	Acute wrist pain in a haemophilic patient - a case report	Mayne, Alistair / Howard, Anthony / Chan, Jason / Kent, Matthew / Banks, Jo
EFORT12-4542	Innovative intramedullary stabilization of metacarpal shaft fractures by means of a photodynamic polymer system - initial clinical experience	Gick, Sascha / Rabiner, Robert / Pennig, Dietmar / Heck, Steffen
EFORT12-4629	The removal rate of distal radial locking plates: An audit	Stammers, John / Tan, Rachael / Tahir, Mohammed / Gidwani, Sameer / Wong, Fabian

## Trauma

NR.	TITLE	AUTHORS
EFORT12-4690	Bilateral glenoid and first rib fractures in an adult: A case report	Gill, Ian / Barker, Steven / Pike, Jerry / Shafafy, Roozbeh
EFORT12-4912	Terrible triads of the elbow. Outcomes after a surgical protocol: Analysis of our experience	Bravo, Beatriz / Cecilia, David / Garcia, Lorena / Rodriguez, Victor / Leon, Jose Luis / Aroca, Miguel / Resines, Carlos
EFORT12-5534	Open reduction and internal fixation of articular proximal humerus fractures by angular stability plates: Our nine years experience	Gaetani, Giorgio / Lanzani, Edoardo / Casella, Andra / Maggi, Francesco
EFORT12-5738	Outcomes of the treatment of distal radius fractures with a variable angle locking plate	Higgs, Zoe / Sianos, Grzegorz
EFORT12-5794	Treatment of multiple fractures of the humerus with the ilizarov apparatus	Lalic, Ivica / Kecojevic, Vaso / Stankovic, Milan / Matijevic, Radmila / Vukajlovic, Bosko / Tomic, Sanja

## Trauma lower limb

EFORT12-1056	A biomechanical study comparing fixation methods in depression fractures of the lateral tibial plateau	Blakey, Caroline / Rennison, Michael / Guy, Stephen / Sutton, Paul
EFORT12-1087	Hip fractures in patients on Warfarin. Reversal protocols and the introduction of the new SIGN and NICE guidelines	Rallan, Rishi / Cox, Nancy / Luscombe, Jonathan / Leonidou, Andreas / Pagkalos, Joseph
EFORT12-1095	Time to definitive surgical intervention following acute periprosthetic hip fractures	Revell, Matthew / Pynsent, Paul / Matharu, Gulraj
EFORT12-1408	Lower extremity fractures in patients with chronic spinal cord injury	Teixidor, Jordi / Tomàs, Jordi / Pacha, Daniel / Batalla, Lledo / Barrera, Sergi / Haddad, Sleiman
EFORT12-1416	A regional analysis of the methods used for taking a photo to document open fractures	Ricks, Matthew / Dabis, H / Mohan, Arvind / Rasuoli, Sonia
EFORT12-1443	Factors affecting the lag screw telescoping of intramedullary nail in trochanteric femoral fractures	Kashihara, Minoru
EFORT12-1452	A technique to overcome challenges in positioning patients with ankylosis of contralateral hip for DHS Fixation	Verma, Gopal / Lewis, Peter / Rajamani, Vijay
EFORT12-1506	Management of subtrochanteric femur non-union: A 10 year experience	Rashid, Muhammad / Lahoti, Om / Phillips, Sarah / Groom, AFG / Shoab, Ahmed
EFORT12-1549	Using of external fixation as temporarily or definitive method in skeletal trauma ?	Mitkovic, Milorad / Milenkovic, Sasa / Micic, Ivan / Mitkovic, Milan
EFORT12-1551	Transforming of bridging joint frame into dynamic frame during intraarticular fracture treatment	Mitkovic, Milorad / Milenkovic, Sasa / Micic, Ivan / Mitkovic, Milan
EFORT12-1602	Osteosynthesis by a single locking plate LCPTM for proximal articular tibial fractures with medial component	Ehlinger, Matthieu / Rahme, Michel / Adam, Philippe / Bonnomet, Francois
EFORT12-1604	Extra-articular fracture of the proximal tibia. Treatment by nail or locking plate ?	Maire, Nicolas / Rahme, Michel / Adam, Philippe / Bonnomet, Francois / Ehlinger, Matthieu
EFORT12-1665	Expandable proximal femoral nails versus 95° dynamic condylar screw-plates for the treatment of reverse oblique intertrochanteric hip fractures	Steinberg, Ely / Chechik, Ofir / Segal, Ortal / Ben Tov, Tomer / Salai, Moshe / Alis, Jacov

## Trauma

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