Seventh SICOT/SIROT Annual International Conference & SOF Ortopediveckan 2010

TENTATIVE SCIENTIFIC PROGRAMME

(at 28 July 2010)

31 August – 3 September 2010
Swedish Exhibition & Congress Centre
Gothenburg, Sweden
Programme – Tuesday, 31 August

Room G4
Instructional Courses
Cartilage Repair – Lecture & Free Papers
Rickets under the sun of Africa – Symposium

Room H1
Instructional Courses
Shoulder / Elbow – Free Papers
Arthroplasty Hip - Acetabular Components – Lecture & Free Papers

Congress Hall
Instructional Courses
Mohit BHANDARI (Canada) – Plenary Lecture
IT & Orthopaedics – Symposium
Opening Ceremony & Welcome Reception

Room F4
Instructional Courses
Trauma Multitrauma – Lecture & Free Papers
Cartilage – Symposium

Room F2
Instructional Courses
Svenska Ortoped-Traumatologiska Sällskapet (SOTS): Evidence based trauma orthopaedics – Symposium
Arthroplasty Shoulder / Elbow – Free Papers

Room F1
Instructional Courses
SOF: Patientssäkerhetsarbete (in Swedish) – Symposium
SOF: Seniora ortopeder (in Swedish) – Symposium

Programme – Wednesday, 1 September

Room G4
Arthroplasty Knee – Free Papers
Trauma Humerus – Free Papers
Industry Symposium
Trauma Upper Femur – Lecture & Free Papers
Trauma Tibia / Fibula – Lecture & Free Papers

Room H1
Trauma Shoulder / Elbow – Free Papers
Improvement of knee prosthetic surgery - Recommendations based on experience from the Nordic registers – Symposium
Industry Symposium
Trauma Elbow – Lecture & Free Papers
Arthroplasty Registers - The International Perspective – Symposium
Arthroplasty Hip – Free Papers
Programme – Thursday, 2 September

Congress Hall

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<td>Mohit Bhandari</td>
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**Room G4**

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<td><strong>EVIDENCE-BASED ORTHOPAEDICS: HOW FAR HAVE WE COME?</strong></td>
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<td>Mohit BHANDARI (Canada)</td>
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<td><strong>Cartilage Repair</strong></td>
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<td><em>Moderator.</em> Wayne AKESON (United States)</td>
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<td><em>(to be announced)</em></td>
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<td>Wayne AKESON (United States)</td>
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<td>23805</td>
<td><strong>TREATMENT OF OSTEOARTHRITIS WITH INFRA PATELLAR FAT PAD DERIVED</strong></td>
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<td><strong>MESENCHYMAL STEM CELLS IN RABBIT</strong></td>
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<td>Seifollah DEHGHANI NAZHVANI, Abasali GHADERI, Fatemeh Sadat TOGHRAEI,</td>
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<td>M.A. GHOLIPOOR, Niloofar CHENARI, Simin TORABINEZHAD (Iran)</td>
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<td>25218</td>
<td><strong>MICROFRACTURE OF THE KNEE: A META-ANALYSIS OF SIXTEEN STUDIES</strong></td>
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<td>Lukas L. NEGRIN, Vilmos VÉCSEI (Austria)</td>
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<td><strong>TREATMENT OF PATELLOFEMORAL ARTICULAR CARTILAGE LESIONS WITH</strong></td>
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<td><strong>CHONDROCELECT® IN A COMPASSIONATE USE PROGRAMME</strong></td>
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<td>Karl Fredrik ALMQVIST, Johan VANLAUWE, Daniel SARIS, Johan BELLEMANS,</td>
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<td>René VERDONK (Belgium)</td>
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<td>25789</td>
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<td><strong>GRAFT AFTER ARTICULAR CARTILAGE DEFECTS IN THE RABBITS</strong></td>
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<td>Ismail TUNCAY, Aytekin KARAMAN, Huseyin DEMIRORS, Rahmi AKGUN, Ilhami</td>
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<td>KURU (Turkey)</td>
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<td><strong>PROGENITOR/CELLULAR MIGRATION AND MATRIX INTERACTIONS IN RESPECT</strong></td>
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<td><strong>TO STEM CELL NICHES WITHIN THE MAMMAL INTERVERTEBRAL DISC REGION. A</strong></td>
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<td>Helena BRISBY, Helena BARRETO HENRIKSSON, Emilia SVALA,</td>
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Eva SKIÖLDEBRAND, Katarina JUNEVIK, Anders LINDAHL (Sweden)

26231  TRANSPLANTATION OF MESENCHYMAL STEM CELLS IN A COMPOSITE SCAFFOLD BASED ON COLLAGEN I WITH CHITOSAN MICRO- AND NANOFIBRES INTO ARTICULAR CARTILAGE DEFECTS
Ladislav PLANKA, Robert SRNEC, Jiri KLIMA, Jana HLUCILOVA, David STARY, Leos KREN¹, Lucie VOJTOVA, Josef JANCAR, Petr GAL, Alois NECAS, Michal CRHA, Evzen AMLER (Czech Republic)

15:00-15:30  Coffee break
15:30-17:00  Symposium

Rickets under the sun of Africa

Moderator:
Jochen EULERT (Germany)

GENETICS AND GENE-ENVIRONMENT INTERACTIONS  Franz JAKOB (Germany)

RICKETS IN NIGERIA – INCIDENCE, CLINICS AND INTERVENTION IN CHILDREN AND ADOLESCENTS  Christa KITZ (Germany)

ORTHOPAEDIC SURGERY IN SEVERE CASES OF RICKETS  Peter RAAB (Germany)

CLIMATE AND SOIL CONDITIONS AS KEY FACTORS FOR RICKETS: THE ROLE OF CHANGING ENVIRONMENT  Barbara SPOHNHOLZ , Lena HARTMANN (Germany)

Round table discussion and call to action

Summary and conclusions
Jochen EULERT (Germany)

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(in Congress Hall)
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<td><strong>EVIDENCE-BASED ORTHOPAEDICS: HOW FAR HAVE WE COME?</strong></td>
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<td><em>Moderator:</em> Robert A. PEDOWITZ (United States)</td>
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<td>BONY BANKART IS A POSITIVE PREDICTIVE FACTOR AFTER PRIMARY SHOULDER DISLOCATION</td>
<td>Björn SALOMONSSON, Anders VON HEIJNE, Mats DAHLBORN, Hassan ABBASZADEGAN, Susanne AHLSTRÖM, Nils DALÉN, Ulf LILLKRONA (Sweden)</td>
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<td>Nnamdi OBI, Rouin AMIRFEYZ, Rebecca GRIGGS, Partha SARANGI, Charles WAKELEY, Alan DUNKLEY (United Kingdom)</td>
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<td>A LONG TERM FOLLOW UP OUTCOME AFTER ARTHROSCOPIC ROTATOR CUFF REPAIR</td>
<td>Umesh NAGARE, WA NIEZYWINSKI (United Kingdom)</td>
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<td>Kayvan NOJOOMI (United Arab Emirates)</td>
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ACROMIAL DECOMPRESSION – REPORT & TECHNOCAL TIP
Atanu BHATTACHARJEE, A. YEWLETT, R. KULKARNI (United Kingdom)

25597
LATERAL EPICONDYLITIS OF THE ELBOW – ARE PLATELETS THE ANSWER?
Rahul KAKKAR, Malcolm SCOTT (United Kingdom)

15:00-15:30
Coffee break

15:30-17:00
Lecture Free Papers

Arthroplasty
Hip - Acetabular Components

Moderator:
Luis LOPEZ DURAN STERN (Spain)

24070
RSA EVALUATION OF WEAR OF VITAMIN E STABILIZED HIGHLY CROSS-LINKED POLYETHYLENE
Henrik MALCHAU, Charles BRAGDON, Meridith GREENE, Harry RUBASH, Andrew FREIBERG (United States)

26778
ACETABULAR CUP WITH PRE ASSEMBLED CERAMIC LINER. A PROGRESS TO AVOID CERAMIC LINER BREAKAGE
David DAGRENAT, N. MONCADE, T. GRADEL, L. DEVUN (France)

25562
INFLUENCE OF IMPACTING CERAMIC INSERTS ON PROPER SEATING IN ACETABULAR CUPS FOR HIP IMPLANTS
Thomas PANDORF, Roman PREUSS (Germany)

23694
REVIEW OF CERAMIC-CERAMIC BEARINGS IN HYDROXYAPATITE CERAMIC COATED HIP IMPLANTS: A CLINICAL AND RADIOLOGICAL EVALUATION WITH UP TO EIGHTEEN YEAR FOLLOW-UP
James BUCHANAN, David FLETCHER, Peter LINSLEY (United Kingdom)

24073
A MULTI-CENTER STUDY OF THE MID-TERM FOLLOW-UP RESULTS OF HIGHLY CROSS-LINKED POLYETHYLENE THR COMPONENTS
Henrik MALCHAU, Charles BRAGDON, John MARTELL, John CLOHISY, Richard WHITE, Victor GOLDBERG, Craig DELLA VALLE, Daniel BERRY, Bryan JARRETT, William HARRIS (United States)

26380
PREVENTION OF IMPINGEMENT IN TOTAL HIP ARTHROPLASTY BY NECK MODULARITY: DOES IT WORK IN PRACTICE?
Damian GRIFFIN (United Kingdom)
23322 Influence of design- and manufacturing-related parameters to wear in metal-on-metal hip joint replacements
J. Philippe KRETZER, Eike JAKUBOWITZ, Jörn REINDERS, Robert SONNTAG (Germany)

23289 From LFA (low friction arthroplasty) to MOM (metal on metal) are we any better
Maher HALAWA, mahmoud ABDEL KARIM (United Kingdom)

26503 Stability of un cemented press fit cups related to different weight bearing regimes after surgery. A RCT using RSA in 32 patients followed for 5 years
Olof WOLF, Per MATTSSON, Jan MILBRINK, Sune LARSSON, Hans MALLMIN (Sweden)

26631 Prevalence of adverse local tissue reaction in metal on metal hip arthroplasty
Anuj JAISWAL, Karadi Hari SUNIL KUMAR, S C BUDITHI, Bernhard TINS, Jan-Herman KUIPER, James B RICHARDSON (United Kingdom)

25721 A prospective observational study of osteoarthritis total hip replacement patients treated with and without a metal shell and a new type of acetabular component
Sabine MAI, Burkhard MAI, Werner SIEBERT (Germany)

18:00 Opening Ceremony & Welcome Reception
(in Congress Hall)
Tuesday, 31 August
Congress Hall

09:00-12:00  **Instructional Courses**

12:00-13:00  *Lunch*

13:00-13:30  **Plenary Lecture**

EVIDENCE-BASED ORTHOPAEDICS: HOW FAR HAVE WE COME?
Mohit BHANDARI (Canada)

13:30-15:00  **Symposium**

Japanese Orthopaedic Association (JOA):
*Joint Preserving Operations & Osteotomies for Adult Hip Diseases*

*Moderators:*
Seiya JINGUSHI (Japan)
Yukiharu HASEGAWA (Japan)

26853  POSTERIOR ROTATIONAL OSTEOTOMY IN YOUNG ADULTS AND ADLESCENTS WITH SEVERE OSTEONECROSIS
Takashi ATSUMI, Satoshi TAMAOKI, Ryosuke NAKANISHI, Eiji KATOH, Minoru WATANABE, Toshihisa KAJIWARA (Japan)

26843  CURVED INTERROCHANTERIC VARUS OSTEOTOMY FOR NON-TRAUMATIC OSTEONECROSIS OF THE FEMORAL HEAD
Yukiharu HASEGAWA, Taisuke SEKI (Japan)

26858  TRANSPOSITION OSTEOTOMY OF THE ACETABULUM FOR THE HIP OSTEOARTHRITIS DUE TO THE ACETABULAR DYSPLASIA
Seiya JINGUSHI (Japan)

26814  LONG-TERM OUTCOME OF ROTATIONAL ACETABULAR OSTEOTOMY: 88 HIPS FOLLOWED FOR 15-22 YEARS
Yuji YASUNAGA, Mitsuo OCHI (Japan)

15:00-15:30  *Coffee break*

15:30-16:30  **Symposium**

**IT & Orthopaedics**

HOW TO USE THE INTERNET EFFECTIVELY
Fatih KUCUKDURMAZ (Turkey)
18:00 Opening Ceremony & Welcome Reception
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<td><strong>Moderator:</strong> Thamer A HAMDAN (Iraq)</td>
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<td>26864</td>
<td><strong>26 YEARS EXPERIENCE WITH MISSILE INJURIES OF THE LIMBS</strong></td>
<td>Thamer A HAMDAN (Iraq)</td>
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<td>26576</td>
<td><strong>THE RELATIONSHIP BETWEEN TIME TO SURGICAL DEBRIDEMENT AND INCIDENCE OF INFECTION IN GRADE III OPEN FRACTURES</strong></td>
<td>Jagwant SINGH, Z. HASHIM, S. MARWAH, R. RAMAN, H.K. SHARMA (United Kingdom)</td>
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<td>25447</td>
<td><strong>NEW INJURY SEVERITY SCORE: A MORE RELIABLE ASSESSMENT TOOL IN PREDICTING MORBIDITY AND MORTALITY IN MUSCULOSKELETAL INJURIES COMPARED TO INJURY SEVERITY SCORE?</strong></td>
<td>Raj NIRMAL, Vel RAJAN SHAKTHI, Vijay GONI (India)</td>
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<td>24603</td>
<td><strong>COMPARISON OF CLINICAL RESULTS OF OPERATIVE INTERNAL FIXATION AND CONSERVATIVE RESPIRATORY TREATMENT FOR FLAIL CHEST WITH MULTIPLE FRACTURES OF THE RIBS</strong></td>
<td>Takaaki KURODA, Masanari AONO, Kenichi KAZUKI, Atsushi OKANO, Toshinori MIYAICHI, Tetushi KUBOTA, Akihiro FUKE (Japan)</td>
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<td>25154</td>
<td><strong>QUALITY OF LIFE CHANGES DURING TWO YEARS AFTER PELVIC AND ACETABULAR FRACTURE SURGERY</strong></td>
<td>Tomas BORG, Sune LARSSON (Sweden)</td>
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<td>25506</td>
<td><strong>DAMAGE CONTROL ORTHOPAEDIC SURGERY FOR</strong></td>
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FEMORAL FRACTURES IN POLYTRAUMA PATIENTS
Olivera LUPESCU, Mihail NAGEA, Gheorghe ION POPESCU, Cristina PATRU, Cornelia VASILACHE, Doriana LUPESCU (Romania)

25136 ROLE OF INTRAVENOUS STEROIDS IN THE PROPHYLAXIS OF POST TRAUMATIC HYPOXEMIA AND FAT EMBOLISM SYNDROME IN HIGH RISK PATIENTS
Vibhu Krishnan VISWANATHAN, Ramesh Kumar SEN, Sakthivel Rajan RAJARAM MANOHARAN (India)

24552 OPERATIVE TREATMENT OF UNSTABLE PELVIC INJURIES
Alexey SMIRNOV, Michail MAKURIN (Russia)

15:00-15:30 Coffee break
15:30-17:00 Symposium

Cartilage

Moderator:
Stephen ABELOW (United States)

AUTOLOGOUS CHONDROCYTE IMPLANTATION – CONCEPT AND SCIENCE
Lars PETERSON (Sweden)

MACI – MATRIX AUTOLOGOUS CHONDROCYTE IMPLANTATION – SEVEN YEARS’ EXPERIENCE
Stephen ABELOW (United States)

STEM CELLS – CONCEPT AND APPLICATIONS IN ARTICULAR CARTILAGE
Mats BRITTBERG (Sweden)

HYALOGRAFT AND BIOMIMETIC CONSTRUCTS
Elezaveta KON (Italy)

26369 ARTICULAR CARTILAGE REPAIR USING COLLAGEN TYPE I HYDROGELS – CLINICAL RESULTS
Ulrich NÖTH, Lars RACKWITZ, Sebastian SIEBENLIST, Florian FENSKY, Thomas BARTHEL, Jochen EULTERT, Maximilian RUDERT (Germany)

18:00 Opening Ceremony & Welcome Reception (in Congress Hall)
Tuesday, 31 August
Room F2

09:00-12:00  
**Instructional Courses**

12:00-13:00  
*Lunch*

13:00-13:30  
**Plenary Lecture (in Congress Hall)**

**EVIDENCE-BASED ORTHOPAEDICS: HOW FAR HAVE WE COME?**  
Mohit BHANDARI (Canada)

13:30-15:00  
**Symposium**

Svenska Ortoped-Traumatologiska Sällskapet (SOTS):  
*Evidence based trauma orthopaedics*

*Moderator:*
Kenneth JONSSON (Sweden)

**(TO BE ANNOUNCED)**  
Sune LARSSON, Johan SCHEER, Jan TIDEMARK, Michael SUNDFELDT, Anders EKLUND (Sweden)

15:00-15:30  
*Coffee break*

15:30-17:00  
**Free Papers**

**Arthroplasty**  
Shoulder / Elbow

*Moderator:*
(to be defined)

26584  
REVERSED SHOULDER ARTHROPLASTY. IT IS WORKING!  
SHORT TO MEDIUM TERM RESULTS OF 43 ARTHROPLASTIES PERFORMED AT A DISTRICT GENERAL HOSPITAL  
Surendra PATNAIK, Avadhoot KANTAK, Praveen PANOSE (United Kingdom)

23837  
INADEQUATE INSERTION OF TOTAL ELBOW REPLACEMENTS  
Steven BORLAND, Mohan RAO, John FRASER (United Kingdom)

23307  
MOTION ANALYSIS OF THE SHOULDER AFTER A REVERSE SHOULDER PROSTHESIS  
25840  OBJECTIVE AND SUBJECTIVE RESULTS OF REVERSE TOTAL SHOULDER REPLACEMENT. SHOULD IT BE RESERVED TO PATIENTS OLDER THAN 75 ONLY?
Konrad Sebastian WRONKA, Amit SINHA (United Kingdom)

24297  EARLY RESULTS OF VERSO® INVERSE POLARITY SHOULDER REPLACEMENT FOR ROTATOR CUFF ARTHROPATHY
Paraskumar MOHANLAL, Amit TOLAT (United Kingdom)

26195  1 TO 7.5 YEARS FOLLOW UP OF RESURFACING HUMERAL HEAD IMPLANTS
Eric PETROFF, Stephane AUDEBERT (France)

25167  MANAGEMENT OF ROTATOR CUFF ARTHROPATHY WITH SHOULDER RESURFACING AND SUBSCAPULARIS Z-PLASTY
Sitaram GIRI, Shiv Asish JAIN, Ashvin PIMPALNERKAR (United Kingdom)

24313  MEASUREMENT OF MIGRATION OF A HUMERAL HEAD RESURFACING PROSTHESIS USING RADIOSTEREOMETRY WITHOUT IMPLANT MARKING. AN EXPERIMENTAL STUDY
Magnus ÖDQUIST, Olof SKÖLDENBERG (Sweden)

24129  SHOULDER PROSTHESIS WITH OR WITHOUT STEM? 59 CONSECUTIVE SHOULDER REPLACEMENTS USING THE TESS IMPLANT
Arkan SAYED-NOOR, Göran SJÖDÉN, Nader MAFI, Sigge NORBERG, Bakir KADUM (Sweden)

24060  PROSTHETIC OVERHANG MOST EFFECTIVE WAY TO PREVENT SCAPULAR CONFLICT IN REVERSE TOTAL SHOULDER PROSTHESIS
Pieter BEEKMAN, Lieven DE WILDE, Didier PONCET, Anders EKELUND (Belgium)

18:00  Opening Ceremony & Welcome Reception
(in Congress Hall)
Tuesday, 31 August  
Room F1

09:00-12:00  **Instructional Courses**

12:00-13:00  *Lunch*

13:00-13:30  **Plenary Lecture (in Congress Hall)**

**EVIDENCE-BASED ORTHOPAEDICS: HOW FAR HAVE WE COME?**  
Mohit BHANDARI (Canada)

13:30-15:00  **Symposium**

**SOF: Patientsäkerhetsarbete (in Swedish)**

*Moderator:*  
Göran MODIN (Sweden)

**ERFARENHETER AV SBAR**  
Elisabeth HADDLETON (Sweden)

15:00-15:30  *Coffee break*

15:30-17:00  **Symposium**

**SOF: Seniör ortopeder (in Swedish)**

*Moderator:*  
Bertil ROMANUS (Sweden)

**THE HISTORY AND BENEFIT OF TOTAL JOINT REPLACEMENT REGISTRIES**  
Lars LIDGREN, Peter HERBERTS, Anders HENRIKSSON (Sweden)

18:00  **Opening Ceremony & Welcome Reception (in Congress Hall)**
## Programme – Wednesday, 1 September

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**Lecture Topics:**
- Free Papers: Arthroplasty Knee
- Free Papers: Trauma Shoulder/Elbow
- Symposium: Trauma – Proximal Femoral Fractures
- Symposium: Biomaterials
- Free Papers: Trauma Forearm/Wrist
- Free Papers: Tumours Giant Cells
- Plenary Lecture: Shinichi Kikuchi
- Symposium: Improvement of knee prosthetic surgery – Recommendations based on experience from the Nordic registers
- Symposium: Treatment of fractures in the osteoporotic spine
- Free Papers: Spine
- Lunch Symposium: KCI
- Lecture: Lessons from the Swedish Hip, Knee & Spine National Quality Registers
- Free Papers: Trauma Hip
- Free Papers: Trauma Elbow
- Free Papers: Tumours Soft Tissue/Sarcomas
- Free Papers: Sports Medicine Ankle/Foot
- Free Papers: General Orthopaedics
- Presidential Lecture: Cody Bünger
- Symposium: Arthroplasty Registers – The International Perspective
- Symposium: Injury Prevention – A Focus on Cross-Border Interventions
- Symposium: The Malunited Stiff Elbow / The Stiff Shoulder
- Free Papers: Spine Surgery/Fusion
- Symposium: SOF/IFPOS: Infections in Paediatric Orthopaedics
Wednesday, 1 September
Room G4

08:00-09:30 Free Papers

Arthroplasty
Knee

Moderator:
Jacques CATON (France)

25168 MEDIUM TERM RESULTS OF PATELLOFEMORAL JOINT REPLACEMENT
Anupkumar SHETTY, Praveen SHARDA, S. MAHESWARAN
(United Kingdom)

23770 PATELLAR RETENTION VERSUS PATELLAR RESURFACING DURING TKR – PROSPECTIVE, RANDOMIZED STUDY
Stefan CRISTEA, Vlad PREDESCU, Andrei PRUNDEANU, Florin GROSEANU, Tudor ATASIEI, Vlad GEORGEANU, Gheorghe PANAIT (Romania)

24940 ROLE OF PATELLAR REPLACEMENT IN TOTAL KNEE ARTHROPLASTY – A RETROSPECTIVE STUDY
Manuel RIBEIRO DA SILVA, Paulo OLIVEIRA, Nuno NEVES, Pedro RODRIGUES, Rui RIBEIRO, Carlos SIMÕES, Vitor VIDINHA, Rui PINTO, Abel TRIGO CABRAL (Portugal)

26624 HYBRID COMPONENT FIXATION IN TOTAL KNEE ARTHROPLASTY; 10-27 YEARS FOLLOW UP
Taik-Sun KIM, Jung-Ro YOON, Jae-Hyuk YANG, Hyuk JEGAL, Jun-Ho LEE, Mi-Nyeo YOON (Korea)

24005 TOTAL KNEE REPLACEMENT IN VARUS KNEES WITH BONE DEFECTS
MRINAL SHARMA, yatinder KHARBANDA (India)

26580 EFFECT OF FEMORAL COMPONENT DESIGN ON PATELLAR TRACKING IN TOTAL KNEE ARTHROPLASTY
Raman THAKUR, Ajit DESHMUKH, Panagopoulos GEORGIA, Jose RODRIGUEZ (United Kingdom)

26214 FEMORAL SIZE IS ROTATION DEPENDANT
Emmanuel THIENPONT (Belgium)

25051 EX VIVO STABILITY LOSS OF HIGHLY CROSS LINKED ULTRA-HIGH MOLECULAR WEIGHT POLYETHYLENE (UHMWPE)
Orhun MURATOGLU, Keith WANNOMAE, Shannon ROWELL, Brad MICHELI, Henrik MALCHAU (United States)
25620 DRAINS AND TOTAL KNEE REPLACEMENTS – DO WE REALLY NEED THEM?
Rahul KAKKAR, MJ DAWSON (United Kingdom)

25762 COMPARISON OF TOURNIQUET VERSUS NON-TOURNIQUET IN TOTAL KNEE ARTHROPLASTY; A META-ANALYSIS
Ilhan ALCELIK, Mohamed SUKEIK, Raymond POLLOCK, Josette BETTANY-SALTIKOV, Anand MISRA, Patrick ARMSTRONG (United Kingdom)

09:30-10:15 Coffee break

10:15-10:45 Plenary Lecture (in Congress Hall)

26869 INTERNATIONAL COLLABORATION BEYOND THE CULTURE GAP
Shinichi KIKUCHI (Japan)

10:45-12:15 Free Papers

Trauma
Humerus

Moderator:
Ian LESLIE (United Kingdom)

25624 MANAGEMENT OF THE HUMERAL FRACTURE NON-UNION. OUR EXPERIENCE.
Muhammad RASHID, Mohit BANSAL, Konstantinos TSITSKARIS, Joydeep SINHA, Adel TAVAKKOLIZADEH, Graeme GROOM (United Kingdom)

24997 FUNCTIONAL OUTCOME OF PROXIMAL HUMERUS FRACTURE TREATED BY PHILOS PLATE
Munnan AL-NAJJIM, Abubaker MUSTAF, Stephen LIPSCOMBE, Mohammed WASEEM (United Kingdom)

23368 MANAGEMENT OF GUNSHOT INJURIES OF THE HUMERUS
Imran SHAH, Mohammad Ali SHAH, Junaid SHAH, Saeed ALAM (Pakistan)

25680 MINIMALLY INVASIVE METHODS OF SURGICAL TREATMENT FOR INJURIES OF THE UPPER EXTREMITY IN CHILDREN
Mikhail GERASIMENKO, Alexandr BELETSKY, Stanislau TRATSIAK, Mikhail KOREN, Viktor GURKO (Belarus)

23949 FRACTURES OF PROXIMAL HUMERAL HEAD: CLINICAL AND RADIOGRAPHIC RELATIONSHIP IN PATIENTS WITH AVASCULAR NECROSIS HEAD
Juan Gabino GOMEZ MONT, Enrique CALETI, Felix GIL ORBEZO, Miguel Angel CLARA, Efrain FARIAS, Jorge CARDENAS (Mexico)
THE ROLE OF EXTERNAL FIXATION IN THE TREATMENT OF ARTICULAR, PERI-ARTICULAR AND SHAFT FRACTURES OF THE HUMEROUS DUE TO WARFARE INJURIES
Emal WARDAK, Mohd. Mussa WARDAK (Afghanistan)

EXTRA-ARTICULAR DISTAL HUMERAL FRACTURES TREATED WITH RETROGRADE HALDER HUMERAL NAIL
Ben BROOKE, Anish KADAKIA, Sunil PAI, Subhash C. HALDER (United Kingdom)

OPEN REDUCTION AND INTERNAL FIXATION OF DISPLACED TWO PARTS SURGICAL NECK HUMERAL FRACTURES IN OSTEOPOROTIC PATIENTS BY THE LOCKING COMPRESSION PLATE
Nehad EL MAHBOUB, Waleed ARAFAT (Egypt)

12:15-13:30 Industry Symposium

KCI (in Room F3):
What is the value of negative pressure management in orthopaedic surgery? Are there new developments?

Moderator:
Wim FLEISCHMANN (Belgium)

CHALLENGES OF NPWT IN ORTHOPAEDIC SURGERY
Wim FLEISCHMANN (Belgium)

CLINICAL EXPERIENCES WITH NPWT AND/OR INSTILLATION TECHNOLOGY IN ORTHOPAEDICS/ TRAUMA
Matthias BREM (Germany)

USE OF NPWT AND INSTILLATION TECHNOLOGY IN COMPLEX (WAR) TRAUMA WOUNDS
Christian WILLY (Netherlands)

VALUE OF INSTILLATION TECHNOLOGY IN INFECTED ORTHOPAEDIC IMPLANTS (RESULTS OF THE VACCESS ORTHO REGISTRY)
Burkhard LEHNER (Netherlands)

Discussion

13:30-15:00 Lecture Free Papers

Trauma
Upper Femur

Moderator:
Vilmos VECSEI (Austria)

TREATMENT OF FEMORAL NECK FRACTURES
26417  DISLOCATION AND REOPERATION RATE IN UNIPOLAR AND BIPOLAR EXETER HIP HEMIARTHROPLASTY IN PATIENTS WITH FEMORAL NECK FRACTURES
Lasse LAPIDUS, carl johan HEDBäCK, hans TÖRNKVIST, Anders ENOCSON (Sweden)

26042  NO GENDER DIFFERENCES IN MORTALITY AND FUNCTIONAL OUTCOME AFTER HIP FRACTURE IN PATIENTS WITH NORMAL COGNITIVE FUNCTION
Bodil SAMUELSSON, Margareta HEDSTRÖM, Sari PONZER, Anita SÖDERQVIST, Eva SAMNEGÅRD, Karl-Göran THORNGREN, Tommy CEDERHOLM, Maria SÄÄF, Dalen NILS (Sweden)

25018  TREATMENT OF HIP FRACTURES USING A MINIMAL INVASIVE APPROACH FOR BIPOLAR ARTHROPLASTY- A RANDOMIZED TRIAL
Andreas UNGER, Felix RENKEN, Matthias BRAHM, Svenja RENKEN, Arndt P. SCHULZ (Germany)

25105  RETROSPECTIVE AND PROSPECTIVE STUDY OF OSTEOSYNTHESIS OF FRACTURE NECK FEMUR TREATED BY FIBULAR GRAFTING WITH OR WITHOUT COMPRESSION HIP SCREWS
Anubhav AGARWAL, Amit AGARWAL (India)

26569  BACKGROUND FACTORS IN YOUNG PATIENTS WITH FEMORAL NECK FRACTURES
Amer AL-ANI, Bodil SAMUELSSON, Wilhelmina EKSTRÖM, Richard BLOMFELDT, Gustav NEANDER, Jan TIDERMARK, Margareta HEDSTRÖM (Sweden)

23959  HIP HEMIARTHROPLASTY IN FEMORAL NECK FRACTURES CEMENTED VS UNCEMENTED – A COMPARATIVE STUDY
Narayana Prasad KARAKKAD, Kishan PARALAYA (India)

26519  RESULTS AFTER CERVICAL HIP FRACTURE, A RETROSPECTIVE STUDY AT SÖDRA ÅLVSBORGS HOSPITAL (SÅS) BORÅS
Vasileios SARAKATSIANOS, Michael MÖLLER (Sweden)

25117  A NEW LOCKING PLATE AND DYNAMIC SCREW SYSTEM FOR INTERNAL FIXATION OF INTRACAPSULAR HIP FRACTURES; RESULTS FOR THE FIRST 211 PATIENTS TREATED
Nikolas JAGODZINSKI, Martyn PARKER (United Kingdom)

25623  MORE THAN 36 HOURS OF WAITING FOR SURGERY INCREASES THE RISK OF MEDICAL COMPLICATIONS FOR HIP FRACTURE PATIENTS. A SINGLE-COHORT STUDY OF 583 HIP FRACTURES
Daniel LINDBOM, Olof SKÖLDENBERG (Sweden)

15:00-15:30  Coffee break
15:30-16:00  Presidential Lecture (in Congress Hall)

GLOBAL CHALLENGES IN ORTHOPAEDICS
Cody BÜNGER (Denmark)

16:00-17:45  Lecture  Free Papers

Trauma
Tibia / Fibula

Moderator:
Galal Zaki SAID (Egypt)

MANAGEMENT OF DIAPHYSEAL NON-UNION
Galal Zaki SAID (Egypt)

23264  COMPARISON OF DIFFERENT TIBIAL SHAFT FRACTURE TREATMENT IN ADULTS (1000 CASE STUDY)
Firooz MADADI, Alireza EAJAZI, Firoozeh MADADI (Iran)

25767  RESULTS OF SURGICAL TREATMENT OF TIBIA NON-UNIONS AND FALSE JOINTS
Alexander BELETSKY, Alexandre LINOV, Alexandre SITNIK, Oleg KORZUN (Belarus)

23265  EPIDEMIOLOGY OF ADULT'S TIBIAL SHAFT FRACTURE
Firooz MADADI, Alireza EAJAZI, Firoozeh MADADI (Iran)

26577  TREATMENT OF OPEN FRACTURES IN RATS WITH A COMBINATION OF BMP AND BISPHOSPHONATES CAUSES BOTH INCREASED FORMATION AS WELL AS INCREASED RETENTION OF THE NEW FORMED CALLUS.
Magnus TÄGIL, Per BOSEMARK, Hanna ISAKSSON (Sweden)

23583  A PROSPECTIVE RANDOMISED TRIAL TO COMPARE THE USE OF CLOSED INTRAMEDULLARY NAILING WITH THE PERCUTANEOUS PLATING IN THE TREATMENT OF DISTAL METAPHYSEAL FRACTURES OF TIBIA
Jiong Jiong GUO, Huilin YANG, Tiansi TANG (China)

24123  GROWTH FACTOR RELEASE FOLLOWING TIBIAL FRACTURE
Kambiz SARAHRUDI, Gholam PAJENDA, Vilmos VÉCSEI (Austria)

25540  RESULTS OF FRACTURE TIBIA USING DCP IMPLANT WITH MIPO METHOD AND TECHNOLOGY.
Sanjib Kumar BEHERA (India)
25719 ARTHROSCOPIC-ASSISTED OSTEOSYNTHESIS OF TIBIAL PLATEAU FRACTURES
   Oleg BONDAREV, Alexandre SITNIK, Alexander BELETSKY
   (Belarus)

25786 ROLE OF BONE TRANSPORT USING A STACKED TAYLOR SPATIAL FRAME IN THE MANAGEMENT OF BONE DEFECTS OF THE TIBIA
   Taher YOUSRI, Andrew MCBRIDE, Steve MITCHELL, Monsell FERGAL, Livingstone JAMES, Atkins ROGER, Jackson MARK
   (United Kingdom)

25989 MICROSURGICAL TRANSPLANTATION OF COMPLEX VASCULARIZED FIBULAR GRAFT IN TREATMENT OF PATIENTS WITH LONG BONES DEFECTS
   Igor KURINNYI, Sergiy STRAFUN, Oleksandr STRAFUN (Ukraine)
## Free Papers

### Trauma

**Shoulder / Elbow**

*Moderator: (to be defined)*

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<td><strong>PROXIMAL HUMERAL FRACTURE FIXATION – DOES THE IMPLANT MATTER?</strong></td>
<td>Rahul KAKKAR, R. KAKWANI (United Kingdom)</td>
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<td><strong>THE USE OF LOCKING PLATES IN PROXIMAL HUMERAL FRACTURES: COMPARISON OF OUTCOME BY PATIENT AGE AND FRACTURE PATTERN</strong></td>
<td>Uthman ALAO, Michael LEONARD, Aaron GLYNN, Mark DOLAN, Pat FLEMING (Ireland)</td>
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<td>26317</td>
<td><strong>SURGICAL TREATMENT FOR NON-UNION OF THE MID-SHAFT CLAVICLE: ANALYSIS OF THE LONG-TERM RESULTS</strong></td>
<td>Teng-Le HUANG, Horng-Chaung HSU, Ching Chieh YANG, Jiunn-Jer WU, Hsiu-Chen LIN, Hong-Wen WU (Taiwan)</td>
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<td><strong>CLAVICLE NAILING – A STUDY OF 40 CASES</strong></td>
<td>Amit AGARWAL (India)</td>
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<td><strong>CORACOCLAVICULAR SUTURE ANCHOR FIXATION FOR ACUTE ACROMIOCLAVICULAR JOINT INURY AND LATERAL END CLAVICLE FRACTURES – OUR EXPERIENCE IN 23 PATIENTS</strong></td>
<td>Sitaram GIRI, K. KATAM, Paresh SONSALE (United Kingdom)</td>
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<td>23388</td>
<td><strong>EXTERNAL ROTATION SPLINT TO PREVENT RECURRENCE IN YOUNG ANTERIOR SHOULDER DISLOCATORS</strong></td>
<td>Santosh VENKATACHALAM, Roland PRATT (United Kingdom)</td>
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<td>25694</td>
<td><strong>MINOR SHOULDER INSTABILITY COMBINED WITH SUBACROMIAL IMPINGEMENT. INTRA-ARTICULAR PATHOLOGY PRESENTING EXTRA-ARTICULAR SYMPTOMS</strong></td>
<td>Ulf NORDENSON, Raffaele GAROFALO, Marco CONTI, Jennie CLASSON, Eva LINGER, Jon KARLSSON, Alex CASTAGNA (Sweden)</td>
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<td>23624</td>
<td><strong>A RANDOMISED CONTROLLED TRIAL COMPARING A LOCKING PLATE WITH NON-OPERATIVE TREATMENT IN ELDERLY PATIENTS WITH A DISPLACED 3-PART PROXIMAL HUMERAL FRACTURE</strong></td>
<td>Per OLERUD, Leif AHRENGART, Sari PONZER, Jenny SAVING,</td>
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</tbody>
</table>
Jan TIDERMARK (Sweden)

09:30-10:15  Coffee break

10:15-10:45  Plenary Lecture (in Congress Hall)
26869  INTERNATIONAL COLLABORATION BEYOND THE CULTURE GAP
Shinichi KIKUCHI (Japan)

10:45-12:15  Symposium

*Improvement of knee prosthetic surgery - Recommendations based on experience from the Nordic registers*

*Moderator:
Lars LIDGREN (Sweden)*

EARLY COMPLICATIONS IN KNEE ARTHROPLASTY IN NORWAY – ROOM FOR IMPROVEMENT?
Ove FURNES (Norway)

EARLY COMPLICATIONS IN KNEE ARTHROPLASTY IN SWEDEN – CAN WE DO BETTER?
Martin SUNDBERG (Sweden)

PREVENTION OF KNEE PROSTHETIC INFECTION – WHAT’S THE EVIDENCE?
Es JÄMSEN (Finland)

THE LEARNING CURVE AND THE INFLUENCE OF SURGICAL VOLUME ON OUTCOME
Otto ROBERTSSON (Iceland)

12:15-13:30  Industry Symposium

*KCI (in Room F3): What is the value of negative pressure management in orthopaedic surgery? Are there new developments?*

*Moderator:
Wim FLEISCHMANN (Belgium)*

CHALLENGES OF NPWT IN ORTHOPAEDIC SURGERY
Wim FLEISCHMANN (Belgium)

CLINICAL EXPERIENCES WITH NPWT AND/OR INSTILLATION TECHNOLOGY IN ORTHOPAEDICS/ TRAUMA
Matthias BREM (Germany)

USE OF NPWT AND INSTILLATION TECHNOLOGY IN
COMPLEX (WAR) TRAUMA WOUNDS
Christian WILLY (Netherlands)

VALUE OF INSTILLATION TECHNOLOGY IN INFECTED ORTHOPAEDIC IMPLANTS (RESULTS OF THE VACCESS ORTHO REGISTRY)
Burkhard LEHNER (Netherlands)

Discussion

13:30-15:00  Lecture  Free Papers

**Trauma**

**Elbow**

*Moderator:*
Haim SHTARKER (Israel)

**26820**  THE USE OF NERVE STIMULATION DURING PERCUTANEOUS PINNING OF SUPRACONDYLAR FRACTURES IN CHILDREN
Haim SHTARKER, Riad DAKWAR, Alexander GUREVICH, Gershon VOLPIN (Israel)

**26440**  HEMIARTHROPLASTY FOR COMMINUTED DISTAL HUMERUS FRACTURES OF THE ELDERLY
Klaus BURKHART, Stefaan NIJS, Stefan MATTYASOVSZKY, Dominik GRUSZKA, Pol ROMMENS, Lars MÜLLER (Germany)

**26566**  TOTAL ELBOW ARTHROPLASTY AS A TREATMENT OPTION IN COMPLEX INJURIES OF THE ELBOW IN ELDERLY PATIENTS
Lars BECKER, Kay SCHMIDT-HORLOHÉ, Andreas BONK, Reinhart HOFFMANN (Germany)

**26558**  THE VALIDATION OF RADIO-CAPITELLUM RATIO (RCR) MEASUREMENT ON HUMAN ELBOWS
Fanny CANET, Dominique ROULEAU, Emilie SANDMAN, Georges-Yves LAFLAMME, George ATHWAL, Yvan PETIT (Canada)

**26554**  IS NORMAL FUNCTIONAL OUTCOME POSSIBLE IN TYPE C INTERCONDYLAR DISTAL HUMERAL FRACTURES?
Aditya AGGARWAL, Tarun GOYAL (India)

**25093**  SIDE SWEEP INJURIES AROUND ELBOW
Mrinal SHARMA (India)

**25797**  MANAGEMENT OF ADULT PROXIMAL ULNAR FRACTURE WITH DIFFERENT METHODS OF PLATE FIXATION ALONG WITH A DESCRIPTION OF BADO I AND II COMMINUTED FRACTURE PATTERNS
Sudiptomohan MUKHOPADHYAY, A. GUHA, K. MOHANTY (United Kingdom)
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<td>15:00-15:30</td>
<td>Coffee break</td>
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<tr>
<td>15:30-16:00</td>
<td>Presidential Lecture <em>(in Congress Hall)</em></td>
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<td><strong>GLOBAL CHALLENGES IN ORTHOPAEDICS</strong></td>
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<td>Cody Bünger (Denmark)</td>
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<td>16:00-16:30</td>
<td>Symposium</td>
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<td><strong>Arthroplasty Registers - The International Perspective</strong></td>
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<td>Moderator: Johan Kärrholm (Sweden)</td>
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<td>26834</td>
<td>POLYETHYLENE, CURRENT CLINICAL RESULTS AND FUTURE POTENTIAL</td>
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<td>Henrik Malchau, Charles Bragdon (United States)</td>
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<td>16:30-17:45</td>
<td>Free Papers</td>
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<td><strong>Arthroplasty Hip</strong></td>
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<td>Moderator: Jean-Pierre Cour pied (France)</td>
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<td>25755</td>
<td>BEHAVIOR OF ISOELASTIC FEMORAL STEMS – LONG-TERM FOLLOW-UP RESULTS</td>
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<td>Gennady Kuropatkin (Russia)</td>
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<td>25315</td>
<td>A PROSPECTIVE COMPARISON OF FEMORAL PERIPROSTHETIC STRESS-SHIELING IN PATIENTS IMPLANTED WITH 4/5TH AND 1/3RD POROUS COATED CEMENTLESS FEMORAL STEMS</td>
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<td>Rajesh Malhotra, Vijay Kumar (India)</td>
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<td>25871</td>
<td>THE IMPORTANCE OF ADEQUATE STEM ANTEVERSION FOR ROTATIONAL STABILITY IN THA. AN RSA STUDY WITH 10 YEARS FOLLOW UP</td>
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<td>Sverrir Kiernan, Leif Ryd, Gunnar Flivik (Sweden)</td>
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<td>25602</td>
<td>REVISION TOTAL HIP ARTHROPLASTY: A CEMENTLESS MODULAR STEM COMPARED WITH CEMENTED LONG-STEM PROSTHESSES. A POPULATION-BASED STUDY FROM THE SWEDISH HIP ARTHROPLASTY REGISTER</td>
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<td>Rüdiger Weiss, André Stark, Johan Kärrholm (Sweden)</td>
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<td>25833</td>
<td>BONE REMODELING AROUND SLPS (SELF LOCKING POROUS SYSTEM) CEMENTLESS HIP JOINT ENDOPROSTHESIS WITH PROXIMAL POROUS TITANIUM INSERTS</td>
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<td>Aliaksei Maslau, Alexander Rutsky, Oleg Navras (Belarus)</td>
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25660 RESULTS OF CEMENTLESS TOTAL HIP REPLACEMENT FOR BONY ANKYLOSIS IN PATIENTS WITH ANKYLOSING SPONDYLITIS
Rajesh MALHOTRA, Krishna Kiran EACHEMPATI, Vijay KUMAR (India)

24768 BONE REMODELING IN CEMENTLESS HA COATED THA STEMS AFTER 20 YEARS
Jens BOLDT (Switzerland)

26521 SIMULTANEOUS BILATERAL CEMENTLESS TOTAL HIP REPLACEMENT
Zoran POPOVIC, Radoslav BARJAKTAROVIC, Dragan RADOICIC (Serbia)

23958 PERIPROSTHETIC BONE MINERAL DENSITY CHANGES AROUND STEMLESS AND STEMMED CEMENTLESS ANATOMIC FEMORAL COMPONENTS
Young-Hoo KIM, Yoowang CHOI, Jun-Shik KIM (Korea)

23888 5 YEAR FOLLOW-UP RESULTS OF BONE MINERAL DENSITY AFTER IMPLANTATION OF A FEMORAL NECK HIP PROSTHESIS. A PROSPECTIVE ANALYSIS
Wolfram STEENS, Philipp MÜLLER, Ulrich SIMON, Ralf DECKING (Germany)
Wednesday, 1 September
Congress Hall

08:00-09:30 Symposium

**Symposium**

**Trauma - Proximal Femoral Fractures**

*Moderators:*
Vilmos VECSEI (Austria)
Nikolaj WOLFSON (United States)

**PIPKIN-FRACTURE**
Tomas BRAUNSTEINER (Austria)

**SLIDING PLATE OR INTRAMEDULLARY NAIL?**
Peter BIBERTHALER (Germany)

**SUBTROCHANTERIC FRACTURES**
Reinhard SCHNETTLER (Germany)

**TREATMENT & OUTCOME OF SURGICAL FIXATION OF SUBCAPITAL FRACTURES OF THE FEMUR BY CANNULATED SCREWS**
Gershon VOLPIN (Israel)

**PROSTHETIC REPLACEMENT AFTER FEMORAL NECK FRACTURE – TOTAL- OR HEMIARTHROPLASTY?**
James WADDELL (Canada)

09:30-10:15 Coffee break

10:15-10:45 Plenary Lecture

**26869** INTERNATIONAL COLLABORATION BEYOND THE CULTURE GAP
Shinichi KIKUCHI (Japan)

10:45-12:15 Lecture Free Papers

**Arthroplasty**

*Hip*

*Moderator:*
Michael WROBLEWSKI (United Kingdom)

**25876** CHARNEY LOW-FRICTIONAL TORQUE ARTHROPLASTY. SURVIVORSHIP PATTERNS: 1962-2009
Michael WROBLEWSKI, Paul SINEY, Patricia FLEMING (United Kingdom)
23691 REVIEW ON METAL ON METAL HIP RESURFACING ARTHROPLASTY
HARI KOVILAZHIKATHU SUGATHAN, RUDRA MAITRA, NEZAR TUMIA (United Kingdom)

23723 REVIEW OF HYDROXYAPATITE CERAMIC COATED HIP IMPLANTS USED IN REVISIONAL SURGERY: A CLINICAL AND RADIOLOGICAL EVALUATION WITH MAXIMUM FOLLOW-UP OF TWENTY YEARS
James BUCHANAN, David FLETCHER, Peter LINSLEY (United Kingdom)

25464 INTRODUCTION OF TOTAL HIP ARTHROPLASTY IN LITHUANIA RESULTS FROM THE FIRST 10 YEARS
Sarunas TARASEVICIUS, Uldis KESTERIS, Otto ROBERTSSON, Alfredas SMAILYS, Hans WINGSTRAND (Lithuania)

24434 25 YEAR SURVIVAL OF THE LORD TOTAL HIP PROSTHESES
Roland ZÜGNER, Roy TRANBERG, Johan KÄRRHOLM (Sweden)

26070 A DECAENNIAL EXPERIENCE IN TOTAL HIP REPLACEMENT USING ALTIMEED IMPLANTS
Ivan MINAKOUSKI, Alexandre BELETSKI, Andrej VORONOVICH, Pavel SKAKUN (Belarus)

22981 LONG TERM 15 YEAR FOLLOW UP RESULTS OF JRI (FURLONG) TOTAL HIP ARTHROPLASTY USING HYDROXYAPATITE-COATED THREADED ACETABULAR CUPS
UMESH NAGARE, JONATHAN WILKINSON (United Kingdom)

26188 HIP RESURFACING ARTHROPLASTY IN THE NORDIC ARTHROPLASTY REGISTER ASSOCIATION (NARA) DATABASE
Per-Erik JOHANSON, Anne Marie FENSTAD, Ove FURNES, Göran GARELLICK, Leif HAVELIN, Sören OVERGAARD, Alma PEDERSEN, Johan KÄRRHOLM (Sweden)

25172 TWO RESURFACING HIP REPLACEMENTS COMPARISON: BHR VS. ASR – SINGLE SURGEON SERIES
Shanmugasundaram RAJKUMAR, Shawn TAVARES (United Kingdom)

23844 OSTEO NECROSIS OF THE FEMORAL HEAD FOLLOWING RESURFACING THA. A CLINICAL PET STUDY
Gösta ULLMARK, Jens SÖRENSE, Jan MILBRINK, Olle NILSSON, Kent SUNDGREN (Sweden)

12:15-13:30 Industry Symposium

KCI (in Room F3):
What is the value of negative pressure management in...
orthopaedic surgery? Are there new developments?

Moderator:
Wim FLEISCHMANN (Belgium)

CHALLENGES OF NPWT IN ORTHOPAEDIC SURGERY
Wim FLEISCHMANN (Belgium)

CLINICAL EXPERIENCES WITH NPWT AND/OR INSTILLATION TECHNOLOGY IN ORTHOPAEDICS/ TRAUMA
Matthias BREM (Germany)

USE OF NPWT AND INSTILLATION TECHNOLOGY IN COMPLEX (WAR) TRAUMA WOUNDS
Christian WILLY (Netherlands)

VALUE OF INSTILLATION TECHNOLOGY IN INFECTED ORTHOPAEDIC IMPLANTS (RESULTS OF THE VACCESS ORTHO REGISTRY)
Burkhard LEHNER (Netherlands)

Discussion

13:30-15:00
Symposium
Lessons from the Swedish Hip, Knee & Spine National Quality Registers

Moderator:
Per WRETENBERG (Sweden)

LESSONS FROM THE NATIONAL QUALITY REGISTERS
Johan KÄRRHOLM, Göran GARELLICK, Martin SUNDBERG, Björn STRÖMQVIST (Sweden)

15:00-15:30
Coffee break

15:30-16:00
Presidential Lecture
GLOBAL CHALLENGES IN ORTHOPAEDICS
Cody BÜNGER (Denmark)

16:00-17:45
Symposium
Injury Prevention - A Focus on Cross-Border Interventions

Moderators:
Günther LOB (Germany)
Carl HAASPER (Germany)
CURRENT CONCEPTS OF CROSS BORDER AIR RESCUE AND TRANSPORT IN THE EUROPEAN UNION
Matthias RUPPERT (Germany)

EXHIBITIONS – A TOOL FOR CHILD INJURY PREVENTION. MODELS AND EXPERIENCES MADE BY SAFE KIDS WORLDWIDE
Stefanie MÄRZHEUSER (Germany)

THINKAUTO – INDO-GERMAN CLUSTER DEVELOPMENT INITIATIVE DEDICATED TO URBAN ROAD SAFETY
Uli SCHMUCKER (Germany)

IMPROVING HEALTH SERVICES FOR LONG-DISTANCE TRUCK AND BUS DRIVERS – THE EUROPEAN INITIATIVE DOCSTOP
Uli SCHMUCKER, Dieter-Lebrecht KOCH (Germany)

26880 CAPABILITIES OF DRIVER ASSISTANCE SYSTEMS IN ACCIDENT SCENARIOS. AN INTERDISCIPLINARY INTERCONNECTION ANALYSIS BASED ON REAL ACCIDENT DATA USED AS APPROACH FOR THE POTENTIAL EVALUATION OF DRIVER ASSISTANCE SYSTEMS
Stefanie WEBER (Germany)

26857 BICYCLE HELMETS – DO WE NEED A EUROPEAN LEGISLATION? A HEALTH ECONOMIC PERSPECTIVE
Christian JUHRA, Udo WEISS, Marcus MESSERSCHMIDT, Britta WIESKÖTTER, Michael J. RASCHKE (Germany)
### Wednesday, 1 September  
**Room F4**

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<tr>
<td><strong>Biomaterials</strong></td>
<td>08:00-09:30</td>
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<td><strong>Moderator:</strong></td>
<td>Peter THOMSEN (Sweden)</td>
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<td><strong>NOVEL STRATEGIES IN BIOMATERIALS AND REGENERATIVE MEDICINE</strong></td>
<td>Peter THOMSEN (Sweden)</td>
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<td><strong>NANOTECHNOLOGY</strong></td>
<td>Sam STUPP (Sweden)</td>
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<td><strong>BIOCERAMICS</strong></td>
<td>Chang JIANG (Sweden)</td>
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<td><strong>CARTILAGE CELL BIOLOGY AND REGENERATION</strong></td>
<td>Anders LINDAHL (Sweden)</td>
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<td><strong>NOVEL BIOCERAMICS FOR DELIVERY OF CELLS AND MOLECULES</strong></td>
<td>Håkan ENGQVIST (Sweden)</td>
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<td>09:30-10:15</td>
<td><strong>Coffee break</strong></td>
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<td>10:15-10:45</td>
<td><strong>Plenary Lecture (in Congress Hall)</strong></td>
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<td>26869</td>
<td><strong>INTERNATIONAL COLLABORATION BEYOND THE CULTURE GAP</strong></td>
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<td>10:45-12:15</td>
<td><strong>Lecture</strong></td>
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<td>26848</td>
<td><strong>IMPLANTATION OF A NOVEL SYNTHETIC, BIODEGRADABLE SCAFFOLD FOR MENISCUS TISSUE REGENERATION</strong></td>
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<td>26190</td>
<td><strong>DEVELOPMENT OF A NEW CARRIER FOR BONE MORPHOGENETIC PROTEIN</strong></td>
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25770 WHICH FIXATOR IS MORE ELIGIBLE FOR PELVIC SUPPORT OSTEOTOMY?
Sarper GURSU, Bilal DEMIR, Timur YILDIRIM, Aysegul BURSALI, Timur ER, Ramadan OKE, Vedat SAHIN (Turkey)

25175 STAINLESS STEEL ORTHOPAEDIC IMPLANT- HOW SAFE ARE THEY?
Sitaram GIRI, S.C. GOEL (United Kingdom)

26729 SCAFFOLD MECHANO TRANSDUCTION IN A FUSION MODEL
Jens Vinge NYGAARD, Casper FOLDAGER, Peter CLOETENS, Cody BÜNGER (Denmark)

26303 OSSEOINTEGRATION ON THE NANO-LEVEL REVEALED BY FOCUSED ION BEAM (FIB) AND TRANSMISSION ELECTRON MICROSCOPY (TEM) ANALYSIS
Anders PALMQUIST, Kathryn GRANDFIELD, Håkan ENGQVIST, Peter THOMSEN (Sweden)

25601 EMBROIDERED AND SURFACE MODIFIED POLYCAPROLACTONE-CO-LACTIDE SCAFFOLDS AS BIOARTIFICIAL BONE SUBSTITUTE – IN VITRO CHARACTERIZATION AND IMPLANTATION IN CRITICAL SIZE DEFECTS IN THE SHEEP Tibia
Claudia RENTSCH, Barbe RENTSCH, Ricarda HESS, Annette BREIER, Dieter SCHARNWEBER, Ricardo BERNHARDT, Achim BIEWENER, Hans ZWIPP (Germany)

25327 SURFACE MODIFICATION OF MAGNESIUM-BASED ORTHOPAEDIC IMPLANTS BY AL2O3 PLASMA IMMERSION ION IMPLANTATION (PIII)
Kelvin YEUNG, Hoi Man WONG, Kin On LAM, Vivian TAM, Paul CHU, Keith LUK, Kenneth CHEUNG (Hong Kong)

22864 STATIC MAGNETIC FIELD CONCURRENT WITH AUTOGENOUS BONE MARROW EFFECTS ON BONE DEFECT HEALING
Zahra SHAFIEI SARVESTANI, Amin BIGHAM SADEGH, Mohamad SHADKHAST, Homayon Reza SHAHBAZKIA (Iran)

25258 BIOENGINEERED PERIOSTEAL PROGENITOR CELL SHEETS TO ENHANCE TENDON GRAFT-BONE HEALING IN ACL RECONSTRUCTION
Chih-Hwa CHEN, Chien-Hao CHEN, Chih-Hsiang CHANG, Chun-I SU, Kun-Chung WANG, Hsien-Tao LIU, Chung-Ming YU, Chak-Bor WONG, I-Chun WANG (Taiwan)

26120 CO-SUBSTITUTED STRONTIUM AND SILICON APATITE COATINGS FOR METALLIC IMPLANTS
Carl LINDAHL, Wei XIA, Jukka LAUSMAA, Per BORCHARDT, Peter THOMSEN, Håkan ENGQVIST (Sweden)
Industry Symposium

**KCI (in Room F3):**

*What is the value of negative pressure management in orthopaedic surgery? Are there new developments?*

**Moderator:**

Wim FLEISCHMANN (Belgium)

**CHALLENGES OF NPWT IN ORTHOPAEDIC SURGERY**

Wim FLEISCHMANN (Belgium)

**CLINICAL EXPERIENCES WITH NPWT AND/OR INSTILLATION TECHNOLOGY IN ORTHOPAEDICS/TRAUMA**

Matthias BREM (Germany)

**USE OF NPWT AND INSTILLATION TECHNOLOGY IN COMPLEX (WAR) TRAUMA WOUNDS**

Christian WILLY (Netherlands)

**VALUE OF INSTILLATION TECHNOLOGY IN INFECTED ORTHOPAEDIC IMPLANTS (RESULTS OF THE VACCESS ORTHO REGISTRY)**

Burkhard LEHNER (Netherlands)

**Discussion**

**Lecture**  
**Free Papers**

**Tumours**  
**Soft Tissue / Sarcomas**

**Moderator:**

Wichien LAOHACHAROENSOMBAT (Thailand)

**COMPLICATIONS AND PITFALLS OF SOFT-TISSUE SARCOMA TREATMENT**

Gwen SYS (Belgium)

**26316**  
**TRENDS IN INCIDENCE OF SOFT TISSUE SARCOMAS 1984-2004 – EPIDEMIOLOGIC STUDY AND LITERATURE REVIEW**

Christine WIBMER, Andreas LEITHNER, Nadine ZIELONKE, Matthias SPERL, Reinhard WINDHAGER (Austria)

**26302**  
**COMPARISON OF THE PREOPERATIVE SCORING SYSTEM OF BAUER WITH FIVE INTERNATIONALLY USED SCORES FOR SPINAL METASTASES**

Christine WIBMER, Andreas LEITHNER, Guenter HOFMANN, Heimo CLAR, Magdalena KAPITAN, Andrea BERGHOLD, Reinhard WINDHAGER (Austria)
25360  COMPLICATIONS IN SACRAL AMPUTATION FOR CHORDOMA
Wichien LAOHACHAROENSOMBAT, Adisak NATTHANARUNG,
Ekkawit THAWORN (Thailand)

26465  ENDOPROSTHETIC RECONSTRUCTION OF THE DISTAL TIBIA
AND ANKLE JOINT AFTER RESECTION OF PRIMARY BONE
TUMOURS
Andreas SHEKKERIS, Sammy HANNA, M.D. SEWELL, B.G.I.
SPIEGELBERG, W.J.S. ASTON, G.W. BLUNN, S.R. CANNON,
T.W.R. BRIGGS (United Kingdom)

24491  THE IMPACT OF SURGICAL MARGIN AND LOCAL
RECURRENCE ON OVERALL SURVIVAL FOR INTERMEDIATE
AND HIGH GRADE SOFT TISSUE SARCOMA OF THE
EXTREMITIES
Bahtiyar DEMIRALP, Joseph ALDERETE, Eduardo NOVAIS, Peter
ROSE, Kristy WEBER, Franklin SIM (Turkey)

25848  LEIOMYOSARCOMA OF THE BONE – A SINGLE CENTRE
EXPERIENCE WITH 15 CASES OF A RARE ENTITY
Philipp Theodor FUNOVICS, Martin DOMINKUS (Austria)

26196  MULTISEGMENTAL EN-BLOC RESECTIONS FOR PRIMARY
TUMORS AND SOLITARY METASTASIS OF THE
THORACOLUMBAR SPINE
Alexander DISCH, Klaus-Dieter SCHASER, Ingo MELCHER,
Claudia DRUSCHEL, Alessandro LUZZATI (Germany)

26567  COMBINED EN BLOC CHEST WALL RESECTION AND
VERTEBRECTOMY OF PRIMARY MALIGNANT SPINE TUMORS
Claudia DRUSCHEL, Alexander DISCH, Ingo MELCHER, Norbert
HAAS, Klaus-Dieter SCHASER (Germany)

26014  ASSESSMENT OF THE TOKUHASHI SCORE AND ITS
MODIFICATIONS IN 470 PATIENTS OF AARHUS METASTASES
DATABASE WITH VERTEBRAL METASTASES
Miao WANG, Haisheng LI, Kristian HOEY, Ebbe Stender HANSEN,
Bent NIEDERMANN, Peter HELMIG, Yu WANG, Cody BÜNGER
(Denmark)

15:00-15:30  Coffee break

15:30-16:00  Presidential Lecture (in Congress Hall)

GLOBAL CHALLENGES IN ORTHOPAEDICS
Cody BÜNGER (Denmark)

16:00-17:45  Symposium

The Malunited Stiff Shoulder
Moderator.
Anders EKELUND (Sweden)

IDIOPATHIC FROZEN SHOULDERS
Anders NORDQVIST (Sweden)

STIFFNESS AFTER SOFT TISSUE RECONSTRUCTION
Schwan KHOSCHNAU (Sweden)

The Stiff Elbow

Moderator.
Lars ADOLFSSON (Sweden)

Carl EKHOLM, Mikael ETZNER (Sweden)
### Wednesday, 1 September
Room F2

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<td>08:00-09:30</td>
<td>Lecture &amp; Free Papers</td>
<td>NEW TECHNIQUES OF OSTEOSYNTHESIS OF DISTAL RADIUS FRACTURES – WHAT IS THE EVIDENCE?</td>
<td>Frédéric SCHUIND (Belgium)</td>
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<td>Trauma</td>
<td>INFLUENCE OF THE TYPE OF TREATMENT FOLLOWING DISTAL RADIUS FRACTURE ON THE QUALITY OF LIFE</td>
<td>Wieslaw WISNIEWSKI, Klaudiusz KOSOWSKI, Leszek ROMANOWSKI (Poland)</td>
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<td>VOLAR LOCKING PLATES; WHAT IS THE MINIMUM NUMBER OF LOCKING UNITS NEEDED FOR ADEQUATE FIXATION?</td>
<td>Santosh BALIGA, Alan JOHNSTONE (United Kingdom)</td>
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<td>RADIOLOGICAL OUTCOMES OF DISTAL RADIUS EXTRA-ARTICULAR FRAGILITY FRACTURES TREATED WITH EXTRA-FOCAL KIRSCHNER WIRES</td>
<td>Cian KENNEDY, Muiris KENNEDY, Aiden DEVITT (Ireland)</td>
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<td>MECHANISMS OF TFCC INJURY IN COLLES’ FRACTURES</td>
<td>Scheer JOHAN, Lars ADOLFSSON (Sweden)</td>
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<td>COMPLICATIONS OF PALMAR LOCKING PLATE SYSTEM FOR DISTAL RADIUS FRACTURES</td>
<td>Yoshiki OKUDA (Japan)</td>
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<td>12 MONTH FOLLOW-UP OF 115 INTRAARTICULAR DISTAL RADIUS FRACTURES OPERATED WITH A DORSAL PI-PLATE AND A VOLAR T-PLATE</td>
<td>Daniel REISER, Örjan WALLGREN, Kurt PETTERSSON (Sweden)</td>
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<td>A NEW POLYAXIAL DISTAL RADIUS LOCKING PLATE (VARIAX®): EXPERIENCE WITH FIRST 100 CASES</td>
<td>Vasudev SHANBHAG, S. MALEK, N. VANNET, D. NEWINGTON, I.D. RUSSELL (United Kingdom)</td>
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<td>COMPARATIVE EVALUATION OF POST-REDUCTION INTRAARTICULAR DISTAL RADIUS FRACTURES BY RADIOGRAPHS AND MULTI DETECTOR COMPUTED TOMOGRAPHY WITH MULTIPLANAR AND THREE DIMENSIONAL</td>
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RECONSTRUCTIONS AND ITS IMPACT ON TREATMENT
V.K. SHARMA, Sumit ARORA, Sumit BATRA, S.B. GROVER (India)

24058 CORRECTIVE OSTEOTOMY OF MALUNITED BOTH BONE FOREARM FRACTURES USING CUSTOM-MADE SURGICAL TEMPLATES
Tsuyoshi MURASE, Junichi MIYAKE, Yukari TAKEYASU, Kunihiro OKA, Sayuri ARIMITSU, Hisao MORITOMO, Hideki YOSHIIKAWA (Japan)

26477 COMPARISON OF THE CLINICAL RESULTS OF DISTAL RADIUS FRACTURES TREATED WITH VCP PLATE AND A THREAD STABLE IMPLANT
László VAMHIDY, Norbert WIEGAND (Hungary)

09:30-10:15 Coffee break
10:15-10:45 Plenary Lecture (in Congress Hall)
26869 INTERNATIONAL COLLABORATION BEYOND THE CULTURE GAP
Shinichi KIKUCHI (Japan)

10:45-11:30 Symposium
Treatment of fractures in the osteoporotic spine
Moderator:
Paul GERDTHEM (Sweden)

PHARMACOLOGICAL TREATMENT AND CONSERVATIVE TREATMENT OF SPINE FRACTURES IN THE OSTEOPOROTIC PATIENT
Kristina ÅKESSON (Sweden)

VERTEBROPLASTY AND KYPHOPLASTY: CURRENT EVIDENCE
Mikkel ANDERSEN (Sweden)

INDICATIONS FOR SURGICAL TREATMENT IN PATIENTS WITH OSTEOPOROTIC SPINE FRACTURES
Bengt SANDEN (Sweden)

11:30-12:15 Free Papers
Spine
Moderator:
(to be defined)
A RANDOMIZED TRIAL (FREE) OF BALLOON KYPHOPLASTY AND NONSURGICAL CARE FOR PATIENTS WITH ACUTE VERTEBRAL COMPRESSION FRACTURES: TWO YEAR RESULTS
Jan VAN MEIRHAEGHE, Douglas WARDLAW, Leonard BASTIAN, Steven BOONEN (Belgium)

PSEUDARTHROSIS FOLLOWING OSTEOPOROTIC VERTEBRAL COMPRESSION FRACTURE
Ramprasad KANCHERLA, Aravind JAYASWAL (India)

POSTERIOR AND ANTERIOR/POSTERIOR SURGERY IN THORACOLUMBAR VERTEBRA FRACTURES: A COMPARATIVE STUDY
Mehmet BALIOGLU, Umit AYKUT, Alper KOKSAL (Turkey)

PERCUTANEOUS AUGMENTED INSTRUMENTATION OF UNSTABLE THORACO-LUMBAR BURST FRACTURES
Nimrod RAHAMIMOV, Hani MULLA, Adi SHANI, Shay FREIMAN (Israel)

Industry Symposium

KCI (in Room F3):
What is the value of negative pressure management in orthopaedic surgery? Are there new developments?

Moderator:
Wim FLEISCHMANN (Belgium)

CHALLENGES OF NPWT IN ORTHOPAEDIC SURGERY
Wim FLEISCHMANN (Belgium)

CLINICAL EXPERIENCES WITH NPWT AND/OR INSTILLATION TECHNOLOGY IN ORTHOPAEDICS/ TRAUMA
Matthias BREM (Germany)

USE OF NPWT AND INSTILLATION TECHNOLOGY IN COMPLEX (WAR) TRAUMA WOUNDS
Christian WILLY (Netherlands)

VALUE OF INSTILLATION TECHNOLOGY IN INFECTED ORTHOPAEDIC IMPLANTS (RESULTS OF THE VACCESS ORTHO REGISTRY)
Burkhard LEHNER (Netherlands)

Discussion

Free Papers

Sports Medicine
Ankle / Foot

**Moderator:**
Chadwick SMITH (United States)

**25724** ACUTE ACHILLES TENDON RUPTURE: A RANDOMIZED, CONTROLLED STUDY COMPARING SURGICAL AND NON-SURGICAL TREATMENTS USING VALIDATED OUTCOME MEASURES
Katarina NILSSON HELANDER, Karin GRAVARE SILBERNAGEL, Roland THOMEÉ, Eva FAXÉN, Nicklas OLSSON, Bengt I. ERIKSSON, Jon KARLSSON (Sweden)

**25817** ARTHROSCOPIC TREATMENT OF SOFT TISSUE ANKLE IMPINGEMENT
Stephen BRENNAN, Fadilla RAHIM, Jamie DOWLING, Stephen KEARNS (Ireland)

**25040** ACHILLES TENDON HEALING WITH GROWTH FACTORS
Martin MAJEWSKI (Switzerland)

**26078** INTERMITTENT PNEUMATIC COMPRESSION PROMOTES SOFT TISSUE REPAIR AND ENHANCES BIOMECHANICAL PROPERTIES DURING IMMOBILIZATION
Paul ACKERMANN, Nicos SCHIZAS, Jian LI, Therese ANDERSSON, Anna FAHlgREN, Per ASPENBERG (Sweden)

**26160** DIAGNOSTIC INTERVENTION IN PERSISTENT PAIN AFTER ANKLE SPRAIN DETECTED TALAR INJURIES IN ALL CASES
Dimosthenis ALASEIRLIS, Ioannis TERZIDIS, Eleftherios STEFAS, Konstantinos MICHAIL, Vasilios PAPAIOANNOU (Greece)

**24569** HISTOPATHOLOGY OF THE SUBCALCANEAL INSERTION SITE OF THE PLANTAR FASCIA – HEEL SPUR IS NOT A TRACTION SPUR
Takenori MATSUDA, Tsukasa KUMAI, Ichiro HIGASHIYAMA, Yasushi SHINOHARA, YasuhiTo TANAKA, Yoshinori TAKAKURA (Japan)

**24419** DEVELOPMENT AND VALIDATION OF THE SPORTS ATHLETE FOOT AND ANKLE SCORE: AN INSTRUMENT FOR SPORTS-RELATED ANKLE INJURIES
Marjolein MORSSINKHOF, Otis WANG, Laurence JAMES, Huub VAN DER HEIDE, Ian WINSON (Netherlands)

**25907** FUNCTIONAL RESULTS AFTER SURGICAL TREATMENT OF ANKLE FRACTURES IN ATHLETES: REVIEW OF 60 CASES
Sofia FERNANDES, Rui CERQUEIRA, José FRAGA, Tiago BARBOSA, João OLIVEIRA, António MOREIRA (Portugal)

**25369** QUANTITATIVE ANALYSIS OF MRI-FEATURES AFTER SURGICAL REPAIR OF ACHILLES TENDON RUPTURE
Alexandre SITNIK, Ruslan SAKOVICH, Aleksandr BELETSKY (Belarus)

26342 EXTERNAL FIXATION FOR THE TREATMENT OF CHRONIC ACHILLES TENDON RUPTURES. COMPARATIVE STUDY
Andrey SEREDA, Vadim SEMENTSOV, Andrey GRITSYUK (Russia)

23769 THE INFLUENCE OF SPORTS WITH TARSAL COALITION
Ichiro HIGASHIYAMA, Tsukasa KUMAI, Yasushi SHINOHARA, Yasuhiro TANAKA (Japan)

15:00-15:30 Coffee break

15:30-16:00 Presidential Lecture (in Congress Hall)
GLOBAL CHALLENGES IN ORTHOPAEDICS
Cody BÜNGER (Denmark)

16:00-17:45 Lecture Free Papers
Spine Surgery / Fusion
Moderator:
Shinichi KONNO (Japan)

26863 SURGERY FOR LOW BACK PAIN
Shinichi KONNO (Japan)

24585 A RCT BETWEEN TRANSFORAMINAL LUMBAR INTERBODY FUSION (TLIF) AND POSTEROLATERAL FUSION IN THE DEGENERATIVE LUMBAR SPINE
Pavel NEUMANN, Christer JALALPOUR, Christer JOHANSSON, Rune HEDLUND (Sweden)

24086 EARLY REHABILITATION TARGETING COGNITION, BEHAVIOUR AND MOTOR FUNCTION AFTER LUMBAR FUSION
Allan ABBOTT, Raija TYNI-LENNÉ, Rune HEDLUND (Sweden)

25611 TRANSFUSION PATTERNS ASSOCIATED WITH PREOPERATIVE AUTOLOGOUS BLOOD DONATION IN ELECTIVE POSTERIOR MULTI-LEVEL LUMBAR SPINAL SURGERY
Cian KENNEDY, Frank P. CAMMISA JR, Aiden DEVITT (Ireland)

26773 A PROSPECTIVE RANDOMIZED TRAIL BETWEEN TRANSFORAMINAL (TLIF) AND INSTRUMENTED POSTEROLATERAL FUSION (PLF) – A ONE YEAR FOLLOW-UP
Kristian HØY, Bent NIEDERMAN, Peter HELMIG, Ebbe Stender HANSEN, Li Hei SHENG, Thomas ANDERSEN, Cody BÜNGER (Denmark)

24101 COMPARISON OF MONOSEGMENTAL POSTERIOR LUMBAR INTERBODY FUSION BETWEEN CAGE AND ALLOGRAFT MIXED WITH AUTOLOGOUS BONE MARROW
Yongsoo CHOI, Daehnee KIM (Korea)

26185 IMPROVED QUALITY OF LIFE, PAIN, AND FUNCTION AFTER SPINAL FUSION IN CHRONIC LOW BACK PAIN ARE NOT DEPENDENT ON OPERATIVE TECHNIQUE: 2-YEAR-RESULTS OF 822 PATIENTS TREATED WITH POSTEROLATERAL OR POSTERIOR INTERBODY FUSION FROM THE SWEDISH NATIONAL SPI
Yohan ROBINSON, Bengt SANDÉN (Sweden)

24905 RISK FACTORS OF NONUNION AFTER LUMBAR POSTEROLATERAL FUSION
Chul Won LEE, Kyu Yeol LEE, Hyeon Jun KIM (Korea)

25688 FACET JOINT BIOMECHANICS AT THE TREATED AND ADJACENT LEVELS AFTER TOTAL DISC REPLACEMENT
Evalina BURGER, Sergiu BOTOLIN, Christian PUTTLITZ, Todd BALDINI, Anthony PETRELLA, Celeste ABJORN, Vikas PATEL (United States)

26735 ADJACENT SEGMENT DEGENERATION AFTER LUMBAR SPINAL FUSION: THE IMPACT OF ANTERIOR COLUMN SUPPORT – A RANDOMIZED CLINICAL TRIAL WITH AN 8- TO 13-YEAR MRI FOLLOW-UP
Cody BUNGER, Tina Senholt VIDEBAEK (Denmark)

25183 A FULL ECONOMIC EVALUATION OF DISC PROSTHESIS VS. LUMBAR FUSION IN PATIENTS WITH CHRONIC LOW BACK PAIN – A RANDOMIZED CONTROLLED TRIAL WITH TWO-YEAR FOLLOW UP
Peter FRITZELL, Svante BERG, Tycho TULLBERG, Fredrik BORGSTRÖM, Hans TROPP (Sweden)

24199 DISC HEIGHT AND MOTION PATTERNS IN THE LUMBAR SPINE IN PATIENTS TREATED WITH TOTAL DISC REPLACEMENT OR FUSION FOR DISCOGENIC BACK PAIN. RESULTS FROM A RANDOMIZED CONTROLLED TRIAL
Svante BERG, Hans TROPP, Gunnar LIEVSETH (Sweden)
### Wednesday, 1 September
#### Room F1

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<td><strong>Lecture</strong></td>
<td><strong>Tumours</strong></td>
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<td><strong>Giant Cells</strong></td>
<td><strong>Moderator:</strong> Dariush GOURAN SAVADKOONI (Iran)</td>
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<td><strong>26818 CLINICAL ASPECTS AND PROGNOSTIC FACTORS OF GIANT CELL TUMOURS OF BONE</strong></td>
<td>Miklós SZENDRÖI, Zoltán SÁPI, Imre ANTONELLI (Hungary)</td>
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<td><strong>24344 MOLECULAR PATHOGENESIS OF THE GIANT CELL TUMOR OF THE BONE</strong></td>
<td>Yangguan WU, Jen Gwang HSU, Kenneth SOMERS, Edward YANG, Anming CHEN (United States)</td>
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<td><strong>24360 OSSIFYING MASS: BENIGN TUMOR OR MINERALIZING MALIGNANT SOFT TISSUE TUMOR - DIAGNOSTIC DILEMMA &amp; MANAGEMENT</strong></td>
<td>Ashok KUMAR, Akram JAWED, Shah KHAN, Chandra YADAV, Shishir RASTOGI (India)</td>
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<td><strong>25204 CLINICAL, X-RAY AND HISTOLOGICAL DIAGNOSTICS OF STERNUM NEOPLASMS AND THEIR SURGICAL TREATMENT</strong></td>
<td>Ludmila PASHKEVICH, Iosif VORONOVICH, Ihar SHIPLEUSKI (Belarus)</td>
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<td><strong>25892 MANAGEMENT OF GIANT CELL TUMOR OF LOWER END OF RADIUS: A COMPARATIVE STUDY</strong></td>
<td>Saranatra WAHAKUL (Thailand)</td>
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<td><strong>24486 INDICATION AND RESULTS OF EN BLOCK RESECTION IN AGGRESSIVE GIANT CELL TUMOR (GCT): 20-YEARS PERIOD STUDY</strong></td>
<td>Dariush GOURAN SAVADKOONI, Babak SIAVASH, Seyyyed Siamak REZANEZHAD, Mozghan SEIFI, Mohammad GOURAN SAVADKOONI (Iran)</td>
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<td><strong>23212 GIANT CELL TUMOUR OF THE DISTAL RADIUS: WIDE RESECTION AND RECONSTRUCTION BY NON- VASCULARISED PROXIMAL FIBULAR AUTOGRAFT</strong></td>
<td>Ayman BASSIONI (Egypt)</td>
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<td><strong>23211 CRYOSURGERY AND IMPACTION SUBCHONDRALE BONE GRAFT FOR THE TREATMENT OF GIANT CELL TUMOR AROUND THE KNEE</strong></td>
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Ayman BASSIONY, Mohamed ABDEL RAHMAN, Hisham SHALABY, Mohamed ASSAL (Egypt)

25735 SURGERY OF GIANT-CELL TUMORS (GCT)  
Aleh KEZLIA, Ivan CHARHOVICH, Vladislav ERMOLOVICH, Alexander BENKO, Konstantine CHACHELKO (Belarus)

25295 RELEVANCE OF MIBI SCAN IN PROGNOSTICATING THE RESPONSE OF CHEMOTHERAPY IN PATIENTS OF PRIMARY MALIGNANT BONE TUMOURS  
Aashish CHAUDHRY, Sudhir K. KAPOOR, Minal CHAUDHRY (India)

24559 TUMOUR LIKE LESIONS: A REPORT OF 37 CASES  
Thamer HAMDAN (Iraq)

23885 RESECTION ARTHRODESIS OF THE KNEE USING A MODULAR FUSION NAIL  
Ahmad SHAHIN (Egypt)

09:30-10:15  Coffee break

10:15-10:45  Plenary Lecture  (in Congress Hall)

26869 INTERNATIONAL COLLABORATION BEYOND THE CULTURE GAP  
Shinichi KIKUCHI (Japan)

10:45-12:15  Lecture  Free Papers  

Trauma
Knee

Moderator:  
Gershon VOLPIN (Israel)

23975 RESULTS OF TREATMENT OF SIMPLE AND COMMINUTED PATELLAR FRACTURES. A COMPARATIVE STUDY OF DIFFERENT TREATMENT MODALITIES  
Gershon VOLPIN, Alexander GORSKI, Haim SHTARKER, Alexander KAUHANSKI, Genadi KIRAHNER, Leonid LICHTENSTEIN, Raviv SHACHAR (Israel)

25903 RECOVERY OF KNEE FUNCTION AFTER THE JUDET QUADRICEPSPLASTY  
P. Nithin UNNIKRISHNAN, Fiona DAGLISH, Giles STAMPS, Paula WHITTTAKER, Norma HOLT, Selvadurai NAYAGAM (United Kingdom)

24052 CROSS-LEG FLAP: ITS ROLE IN LIMB SALVAGE  
Narayana Prasad KARAKKAD, Sambathkumar BALAKRISHNAN
THE ILIZAROV EXTERNAL FIXATOR A USEFUL TREATMENT ALTERNATIVE FOR THE TREATMENT OF PROXIMAL TIBIAL FRACTURES
Telmo DE OLIVEIRA RAMOS, Jón KARLSSON, Lars NISTOR (Sweden)

ARTHROSCOPIC-ASSISTED SURGICAL TECHNIQUE FOR TREATING PATELLA FRACTURES
Waleed ARAFAT, Nehad MAHBOUB (Egypt)

SURGICAL TREATMENT OF AVULSION FRACTURE OF POSTERIOR CRUCIATE LIGAMENT: OUR EXPERIENCE
Vijay SHARMA, Kamran FAROOQUE, Purva MATHUR (India)

TIBIAL PLATEAU FRACTURE REPAIRS AUGMENTED WITH CALCIUM PHOSPHATE CEMENT HAVE HIGHER IN SITU FATIGUE STRENGTH THAN THOSE WITH AUTOGRAFT
Amir MATITYAHU, Erik MCDONALD, Thomas CHU, Michael TUFAGA, Meir MARMOR, Ravinder SINGH, Duran YETKINLER, Jenni BUCKLEY, R. Trigg MCCLELLAN (United States)

12:15-13:30 Industry Symposium
KCI (in Room F3): What is the value of negative pressure management in orthopaedic surgery? Are there new developments?

Moderator: Wim FLEISCHMANN (Belgium)

CHALLENGES OF NPWT IN ORTHOPAEDIC SURGERY
Wim FLEISCHMANN (Belgium)

CLINICAL EXPERIENCES WITH NPWT AND/OR INSTILLATION TECHNOLOGY IN ORTHOPAEDICS/TRAUMA
Matthias BREM (Germany)

USE OF NPWT AND INSTILLATION TECHNOLOGY IN COMPLEX (WAR) TRAUMA WOUNDS
Christian WILLY (Netherlands)

VALUE OF INSTILLATION TECHNOLOGY IN INFECTED ORTHOPAEDIC IMPLANTS (RESULTS OF THE VACCESS ORTHO REGISTRY)
Burkhard LEHNER (Netherlands)

Discussion

13:30-15:00 Free Papers
### General Orthopaedics

**Moderator:**
Anthony HALL (United Kingdom)

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<td>26136</td>
<td>A LATERAL RANDOMIZED STUDY OVER ORTHOPAEDIC APPLIANCE OF A GROUP OF DIABETES PATIENTS AT RISK – BASELINE RESULTS</td>
<td>Ulla TANG, Roland ZÜGNER, Roy TRANBERG, Bjarne MILLESTEN (Sweden)</td>
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<td>26585</td>
<td>INTEGRATED CARE PATHWAYS IN TOTAL JOINT ARTHROPLASTY – ARE THEY EFFECTIVE? THE CAMBRIDGE EXPERIENCE</td>
<td>Shruti RAUT, Christian MERTES, Vikas KHANDUJA (United Kingdom)</td>
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<td>TREATMENT OF PATIENTS WITH PSEUDARTHROSES AND BONE DEFECTS WITH THE METHOD OF TRANSOSTEOUS OSTEOSYNTHESIS AFTER ILIZAROV</td>
<td>Dmitry BORZUNOV (Russia)</td>
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<td>RANDOMISED CONTROLLED TRIAL OF THE USE OF TOPICAL APPLICATION OF TRANEXAMIC ACID IN TOTAL HIP REPLACEMENT</td>
<td>Sattar ALSHRYDA, Praveen SHARDA, Antoni NARGOL, S. MAHESWARAN, Chris TULLOCH, Anjani SINGH, S. LAKKOL, James MASON (United Kingdom)</td>
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<td>25534</td>
<td>MINIMAL INVASIVE TOTAL KNEE ARTHROPLASTY WITH OR WITHOUT NAVIGATION SYSTEM: A PROSPECTIVE, RANDOMIZED STUDY</td>
<td>Kang-Il KIM, Dae-Kyung BAE, Kye-Youl CHO, Seung-Mok SHIN (Korea)</td>
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<td>26053</td>
<td>PERIOPERATIVE CELECOXIB ADMINISTRATION FOR PAIN MANAGEMENT AFTER TOTAL KNEE ARTHROPLASTY – A DOUBLE-BLIND, RANDOMIZED CONTROLLED STUDY</td>
<td>Ching-Chuan JIANG (Taiwan)</td>
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<td>26389</td>
<td>THE IMPACT OF SMOKING ON COMPLICATIONS AFTER OPERATIVELY TREATED ANKLE FRACTURES – A FOLLOW-UP STUDY ON 906 PATIENTS</td>
<td>Hans NÄSELL, Sari PONZER, Hans TÖRNQVIST, Johannes LINDÉ, Carin OTTOSSON (Sweden)</td>
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15:00-15:30   **Coffee break**

15:30-16:00   **Presidential Lecture (in Congress Hall)**
GLOBAL CHALLENGES IN ORTHOPAEDICS
Cody BÜNGER (Denmark)

16:00-17:45 Symposium

SOF / International Federation of Paediatric Orthopaedic Societies (IFPOS):
Infections in Paediatric Orthopaedics

Moderator:
Hanne HEDIN (Sweden)

26822 SPINE INFECTIONS IN CHILDREN
David ARONSSON (United States)

26862 INFECTIONS SIMULATING TUMORS
John P. DORMANS (United States)

NEONATAL INFECTIONS
Henrik DÜPPE (Sweden)

26824 LATE SEQUELAE OF INFECTIONS
Patricia FUCS (Brazil)

INFECTIONS IN BONE AND JOINTS CAUSED BY TUBERCULOSIS AND FUNGHI – TREATMENT
George THOMPSON (United States)
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<td>Lecture Free Papers Sports Medicine Knee/Hip</td>
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<td>Free Papers Sports Medicine Spine Spondylolisthesis/ Low Back Pain/ Basic Science</td>
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<td>Symposium Congress Hall EORT: Musculoskeletal Trauma</td>
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<td>Lecture Free Papers Infection Wrist/Nerve Injury</td>
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<td>Free Papers Management in Orthopaedics</td>
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<td>Steven Garfin: The Achilles tendon: Update on treatment of ruptures, late ruptures and tendinosis</td>
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<td>10:45-12:15</td>
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<td>Lecture Symposium JOA: Surgical treatment for primary spinal infection</td>
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<td>Lecture Free Papers Trauma Subtrochanteric Fractures</td>
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<td>Symposium SICOT/SOF/IFPOS: Paediatrics Trauma Upper &amp; Lower Exremities/ Miscellaneous</td>
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<td>Symposium How to recruit – and keep – residents in orthopaedic surgery</td>
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<td>Lecture Free Papers Arthroplasty Hip – Position/ Approach/Complications</td>
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<td>Free Papers Spine Deformity</td>
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<td>Lecture Free Papers Trauma Peritrochanteric Fractures</td>
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<td>Free Papers SICOT/SOF/IFPOS: Paediatrics Limb Lengthening / SCFE / Foot / Miscellaneous</td>
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<td>Symposium SICOT/SOF/IFPOS: Paediatrics Limb Lengthening / Spine &amp; Hip / Miscellaneous</td>
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<td>Symposium OSOS: Osseointegration &amp; Amputation Prostheses</td>
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<td>Ian Learmonth</td>
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<td>16:00-17:45</td>
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<td>Lecture Free Papers Arthroplasty Hip – Osteotomy/ Avascular Necrosis</td>
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<td>Lecture Free Papers Arthroplasty Knee</td>
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### Thursday, 2 September
**Room G4**

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<td>Evidence-Based Update: Double Bundle ACL Reconstruction</td>
<td>Robert A. PEDOWITZ (United States)</td>
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<td>Free Papers</td>
<td>Proprioceptive Potential of the Residual Stump of an Injured Anterior Cruciate Ligament: An Immunohistochemical Study</td>
<td>Kamal BALI, Mandeep DHILLON, R.K. VASHISHTA (India)</td>
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<td>Arthroscopic Reconstruction of the Hip Labrum with Gracilis Autograft</td>
<td>Dean MATSUDA (United States)</td>
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<td>The Reharvested Patellar Tendon Has the Possibility for Ligamentization When Used for Anterior Cruciate Ligament Revision Surgery</td>
<td>Sven STENER, Jüri KARTUS, Tomas MOVIN, Lars EJERHED (Sweden)</td>
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<td>Poor Results After Allograft ACL Reconstruction with Chemically Prepared Tissue</td>
<td>Vasudev SHANBHAG, G. EDWARDS, K. VERAVALLI, A.P. DAVIES (United Kingdom)</td>
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<td>A Population Based Nationwide Study of Anterior Cruciate Ligament (ACL) Injury Among 55,559 Patients in Sweden</td>
<td>Richard NORDENVALL, Shahram BAHMANYAR, Johanna ADAMI, Carin STENROS, Torsten WREDMARK, Li FELLÄNDER-TSAI WREDMARK (Sweden)</td>
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<td>Reconstruction of the Medial Patellofemoral and Patellotibial Ligaments in Cases of Recurrent Patellar Dislocation</td>
<td>Ayman EBIED, Adel EL SAIDEY, Ahmed Hany SALEH (Egypt)</td>
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<td>Arthroscopic Single-Bundle Anterior Cruciate Ligament Reconstruction with Periosteum-Enveloping Hamstring Tendon Graft</td>
<td>Chih-Hwa CHEN (Taiwan)</td>
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<td>Session</td>
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<td>09:30-10:15</td>
<td>Coffee break</td>
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<td>10:15-10:45</td>
<td>Plenary Lecture (in Congress Hall)</td>
<td>SPINAL MOTION SPARING: IS IT HERE TO STAY?</td>
<td>Steven GARFIN (United States)</td>
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<td>10:45-12:15</td>
<td>Lectures</td>
<td>Free Papers</td>
<td>Arthroplasty</td>
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<td>26460</td>
<td>HIGH INCIDENCE OF RADIOGRAPHIC FINDINGS OF FEMOROACETABULAR IMPINGEMENT IN ASYMPTOMATIC PATIENTS</td>
<td>Dimosthenis ALASEIRLIS, Nikolaos ZISIS, Anastasios PANAGIOTOU, Nikolaos AILAMAKIS (Greece)</td>
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<td>23223</td>
<td>LONG-TERM RESULTS OF HIP ARTHROSCOPY FOR LABRAL TEARS: PREDICTORS OF OUTCOMES</td>
<td>Morteza MEFTAH, Jose RODRIGUEZ, Michael ALEXIADES (United States)</td>
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<td>23833</td>
<td>ACETABULAR REVISION AS A COST-EFFECTIVE METHOD</td>
<td>László BUCSI, Ferenc DOBOS (Hungary)</td>
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<td>26808</td>
<td>A CEMENTLESS REVISION SYSTEM FOR PELVIC DEFECTS (D'ANTONIO TYPE I-IV)</td>
<td>Maximilian RUDERT, Boris HOLZAPFEL (Germany)</td>
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<td>25366</td>
<td>HIP REVISION USING IMPACTION BONE GRAFTING AND A CEMENT: RADIOSTEREOMETRIC ANALYSIS OF 25 CONSECUTIVE PATIENTS FOLLOWED UP TO 9 YEARS</td>
<td>Vasilios ZAMPELIS, Ewald ORNSTEIN, Herbert FRANZEN, Isam ATROSHI (Sweden)</td>
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<td>25638</td>
<td>TOTAL HIP REPLACEMENT FOR ARTHRITIS FOLLOWING TUBERCULOSIS OF HIP</td>
<td>Rajesh MALHOTRA, Vijay KUMAR, Bhavuk GARG (India)</td>
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<td>25922</td>
<td>REVISION TOTAL HIP ARTHROPLASTY USING THE TAPERED PRESS-FIT CEMENTLESS STEM IN ELDERLY PATIENTS</td>
<td>Jun-Dong CHANG, Manish CHAUDHARI, Yong-Kuk KIM, Jae-Chul BYUN (Korea)</td>
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<td>25656</td>
<td>RECONSTRUCTION OF A SEVERE ACETABULAR DEFECT (PAPROSKY TYPE 3B) USING A TOTAL ACETABULAR ALLOGRAFT</td>
<td>Rajesh MALHOTRA, Vijay KUMAR, Bhavuk GARG (India)</td>
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<td>24090</td>
<td>THE USE OF ALLOGRAFT PROSTHESIS COMPOSITE FOR EXTENSIVE PROXIMAL FEMORAL BONE DEFICIENCIES: A 2-TO 9.8 YEAR FOLLOW-UP STUDY</td>
<td>Ji-hyo HWANG (Korea)</td>
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<td>26661</td>
<td>2 YEAR FOLLOW UP OF TANTAL AUGMENTATION IN REVISION THA</td>
<td>Yannic BANGERT, Daniel KENDOFF, Bernd SCHWANTES, Thorsten GEHRKE (Germany)</td>
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<td>25645</td>
<td>USE OF A CEMENT IMPREGNATED SPACER IN TWO STAGE REVISION HIP ARTHROPLASTY FOR INFECTED HIP ARTHROPLASTY</td>
<td>Rajesh MALHOTRA, Vijay KUMAR, Dharmesh KHATRI, Bhavuk GARG (India)</td>
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<td>25774</td>
<td>AGGRESSIVE EARLY DEBRIEDEMENT CAN BE SUCCESSFUL FOR INFECTED TOTAL HIP ARTHROPLASTY</td>
<td>Mohamed SUKEIK, Fares Sami HADDAD (United Kingdom)</td>
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<td>25296</td>
<td>IMPINGEMENT FOLLOWING CONTEMPORARY RESURFACING ARTHROPLASTY OF THE HIP</td>
<td>Seung-Jae LIM, Chul-Hee JUNG, Youn-Soo PARK (Korea)</td>
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12:15-13:30 **Industry Symposia**

**Biomet (in Room J1):**

*Signature, Patient Specific Instrumentation*

*Moderator:*
Emmanuel THIENPONT (Belgium)

**SIGNATURE, PATIENT SPECIFIC INSTRUMENTATION**
Emmanuel THIENPONT (Belgium)

**Medtronic (in Room F6):**

*Bone Grafting Options: From Ceramics to BMP’s*

*Moderator:*
James STANNARD (United States)

**BONE GRAFTING OPTIONS: FROM CERAMICS TO BMP’S**
James STANNARD (United States)

13:30-15:00 **Free Papers**

**Arthroplasty**

*Hip - Position / Approach / Complications*

*Moderator:*
Philippe HERNIGOU (France)
THE EFFECT OF FEMORAL NECK NOTCHING WITH THE BIRMINGHAM MID-HEAD RESECTION
James P. WADDELL, Michael OLSEN, Peter M. LEWIS, Emil H. SCHEMITSCH (Canada)

CONSTRAINED VERSUS STANDARD LINER IN NEUROLOGIC HIP ARTHROPLASTY
Philippe HERNIGOU, Alexandre POIGNARD, Paolo FILLIPINI (France)

PROPRIOCEPTION AND BALANCE IMPROVEMENT AFTER TOTAL HIP ARTHROPLASTY THROUGH A MODIFIED DIRECT LATERAL APPROACH IN PATIENTS WITH HIGH HIP DYSPLASIA
Goran BICANIC, Ana ALJINOVIC, Domagoj DELIMAR (Croatia)

THE EFFECT OF PROSTHESES PLACEMENT AND ROTATION ON DEXA MEASUREMENT IN HIP ARTHROPLASTY
Pim VAN EGMOND, Petra DIBBETS, Imad AL YOUNIS, Huub J.I. VAN DER HEIDE (Netherlands)

A SPECIFIC COMPLICATION OF DUAL MOBILITY CUP, THE INTRA-PROSTHETIC DISLOCATION
Remi PHILIPPOT, Bertrand BOYER, Frederic FARIZON (France)

INTERPROSTHETIC FEMORAL FRACTURES: ANALYSIS OF OUR EXPERIENCE, AND PRESENTATION OF A NEW CLASSIFICATION SCHEME
Patrick PLATZER, Monika LUXL, Rupert SCHUSTER, Gerhild THALHAMMER, Manuela JAINDL, Vilmos VÉCSEI (Austria)

COMPARATIVE STUDY CLINICAL, RADIOLOGICAL AND DIGITALLY ON BONE INTEGRATION FEMORALE ON MIS DIRECT ANTERIOR APPROACH VERSUS HARDINGE APPROACH IN TOTAL HIP REPLACEMENTS
Stefan CRISTEA, Florin GROSEANU, Andrei PRUNDEANU, Vlad PREDESCU, Vlad GEORGEANU, Constantin VERTAN, Mihai Viorel POPESCU (Romania)

IMPROVEMENT OF THE STRENGTH OF THE HIP MUSCLES AFTER TOTAL HIP ARTHROPLASTY THROUGH A MODIFIED DIRECT LATERAL APPROACH IN PATIENTS WITH HIGH HIP DYSPLASIA
Goran BICANIC, Ana ALJINOVIC, Domagoj DELIMAR (Croatia)

Coffee break

Plenary Lecture (in Congress Hall)
WHAT WILL SHAPE IMPROVEMENT IN THA IN THE FUTURE – TECHNOLOGY, TECHNIQUE OR TRAINING?
Ian LEARMONTH (United Kingdom)
**16:00-17:45 Lecture**

**Arthroplasty**

*Hip - Osteotomy / Avascular Necrosis*

**Moderator:**
Francesco SANTORI (Italy)

**AVN TRADITIONAL IMPLANTS, RESURFACING OR SHORT STEMS**
Francesco SANTORI (Italy)

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25877 **SPHERICAL ACETABULAR OSTEOTOMY FOR OSTEOARTHRITIS OF THE HIP: OUTCOMES AFTER MORE THAN 15 YEARS FOLLOW-UP**
Yoshihiro NAKAMURA, Yoshitaka NAGATSURU, Tomomi MATSUOKA, Akihiro KAWANO, Etsuo CHOSA (Japan)

23237 **WEAR ANALYSIS OF METAL-ON-METAL HIP RESURFACING IMPLANTS REVISED DUE TO PSEUDOTUMOURS**
Young-Min KWON, Sion GLYN-JONES, David SIMPSON, Amir KAMALI, Peter MCLARDY-SMITH, Harinderjit S. GILL, David MURRAY (United States)

25682 **OUR EXPERIENCE IN THE TREATMENT OF PERIPROSTHETIC VANCOUVER B TYPE FRACTURES**
Razvan Silviu CISMASIU, Emil George HARITINIAN, Dan Constantin GEAMANU, Mihai Viorel POPESCU (Romania)

25878 **TROCHANTERIC OSTEOTOMY. THE INCIDENCE OF TROCHANTERIC NON-UNION, SUBLUXATION AND REVISION FOR DISLOCATION**
Michael WROBLEWSKI, Paul SINEY, Patricia FLEMING (United Kingdom)

26370 **TO COMPARE THE CLINICAL OUTCOME BETWEEN CORE DECOMPRESSION WITH BONE GRAFTING AND CORE DECOMPRESSION WITHOUT BONE GRAFTING IN AVASCULAR NECROSIS OF HIP**
Amit AGARWAL, C.S. YADAV, Ashok KUMAR, Dilpreet SINGH, Sujit TRIPATHY (India)

25324 **METAL-ON-METAL HIP RESURFACING ARTHROPLASTY FOR AVASCULAR NECROSIS OF THE FEMORAL HEAD**
Youn-Soo PARK, Seung-Jae LIM, Chul-Hee JUNG (Korea)

23141 **OUTCOME OF METAL ON METAL RESURFACING SURGERY BETWEEN AVN AND OA OF HIPS (SHORT TERM STUDY)**
Firooz MADADI, Seyyed Morteza KAZEMI, Armin ALAMI HARANDI, Mohammad Reza ABBASIAN, Firoozeh MADADI, Alireza EAJAZI (Iran)

24275 **THE LONGEVITY OF HEMIARTHROPLASTIES IN YOUNG**
PATIENTS
Pim VAN EGMOND, Antonie H.M. TAMINIAU, P.D. Sander DIJKSTRA, Huub J.I. VAN DER HEIDE (Netherlands)

26112 BLOOD METAL ION LEVELS AND CHROMOSOMAL ABERRATIONS IN PATIENTS WITH METAL ON METAL RESURFACING ARTHROPLASTY OF THE HIP
Ashley BLOM, Michael PARRY, Martin FIGGETT, Patrick CASE (United Kingdom)
Thursday, 2 September
Room H1

08:00-09:30 Free Papers

Spine
Spondylololisthesis / Low Back Pain / Basic Science

Moderator:
Cody BÜNGER (Denmark)

25211 A 29 YEAR FOLLOW-UP OF PATIENTS WITH ISTHMIC SPONDYLOLISTHESIS GRADE III-V TREATED WITH FUSION IN SITU AT YOUNG AGE
Anders JOELSON, Karin FRENNERED (Sweden)

25404 THE EFFECTS OF INTERVERTEBRAL DISC CELLS ON NERVE TISSUE
Karin LARSSON, Eva RUNESSON, Katarina JUNEVIK, Björn RYDEVIK, Helena BRISBY (Sweden)

25936 THE IMPACT OF FEAR-AVOIDANCE MODEL VARIABLES ON DISABILITY IN PATIENTS DIVIDED IN TWO SUBGROUPS: SPECIFIC OR NON-SPECIFIC CHRONIC LOW BACK PAIN
Mari LUNDBERG, Karin FRENNERED, Olle HÄGG, Jorma STYF (Sweden)

26457 A POTENTIAL SPECIFICITY PROBLEM REVEALED BY INTRADISCAL PRESSURE INCREASE TRANSFERRED TO ADJACENT DISCS DURING DISCOGRAPHY
Hanna BOLMINGER HEBELKA, Arne GAULITZ, Andreas NILSSON, Sten HOLM, Tommy HANSSON (Sweden)

25988 THE EFFECTS OF MAL-PLACEMENT ON THE KINEMATICS OF THE INTERVERTEBRAL DISC ALLOGRAFT TRANSPLANTATION
Keith D-K LUK, Stephen K.L. LAM, Jun XIAO, Dike RUAN, Yu DING, William W. LU (Hong Kong)

25203 HISTOLOGICAL CHANGES IN THE YOUNG PORCINE LUMBAR SPINES AFTER CYCLIC LOADING
Olof THORESON, Adad BARANTO, Lars EKSTRÖM, Hans-Arne HANSSON, Mikael HELLSTRÖM, Leif SWÄRD (Sweden)

25169 EFFECT OF ANNULAR TEARS ON LUMBAR DISC BIOMECHANICS
Gunnar ANDERSSON, Raghu NATARAJAN (United States)

26201 HUMAN LIGAMENTUM FLAVUM CELLS EXPRESSED OSTEOGENESIS IN BONE MORPHOGENETIC PROTEIN-2 TETHER PHOTOPOLYMERIZED GEL
Chih-Hwa CHEN, Chak-Bor WONG, Shu-Wen WHU, Hsia-Wei LIU, Mei-Yun WU (Taiwan)

09:30-10:15 Coffee break

10:15-10:45 Plenary Lecture (in Congress Hall)
SPINAL MOTION SPARING: IS IT HERE TO STAY?
Steven GARFIN (United States)

10:45-11:30 Symposium
The Achilles tendon: Update on treatment of ruptures, late ruptures and tendinosis
Moderator:
Jan LIDSTRÖM (Sweden)
Karin GRÄVARE SILBERNAGEL, Jón KARLSSON, Katarina NILSSON-HELANDER (Sweden)

11:30-12:15 Free Papers
Foot / Ankle
Moderator:
(to be defined)

25437 PERCUTANEOUS DISTAL METATARSAL OSTEOTOMY VERSUS DISTAL CHEVRON OSTEOTOMY FOR CORRECTION OF MILD-TO-MODERATE HALLUX VALGUS DEFORMITY
Yasser A. RADWAN, Ali M.R. MANSOUR (Egypt)

25140 THE CLINICAL OUTCOME OF ANKLE ARTHRODESIS AND TOTAL ANKLE ARTHROPLASTY IN THE RHEUMATIC PATIENT: A SYSTEMATIC REVIEW
Jacqueline VAN HEIJNINGEN, Huub J.L. VAN DER HEIDE, Thea P.M. VLIET VLIELAND (Netherlands)

26283 TRIPLE OSTEOTOMY FOR TREATMENT OF SEVERE HALLUX VALGUS
Syah BAHARI, Ahsan Javid BUTT, Lester D’SOUZA (Ireland)

25056 TREATMENT OF PLANTAR FASCIITIS BY PERCUTANEOUS SURGERY
Fèlix PARALS, Xavier GONZALEZ-USTéS, David BRAVO, Miguel Angel RIBAU, Jaume RIERA, Octavi VIA-DUFRESNE (Spain)

25303 FIRST METETRSOFALANGEAL ANKLE REPLACEMENT FOR MANAGEMENT OF HALLUX RIGIDUS
Igor PAKHOMOV, Mihail SADOVOY, Valery PROHORENKO (Russia)
CONCERNING TREATMENT OF OPEN FRACTURES OF ANKLE JOINTS
Aleh KEZLIA, Konstantine CHACHELKO, Ivan CHARHOVICH (Belarus)

12:15-13:30 Industry Symposia

Biomet (in Room J1):
Signature, Patient Specific Instrumentation

Moderator:
Emmanuel THIENPONT (Belgium)

SIGNATURE, PATIENT SPECIFIC INSTRUMENTATION
Emmanuel THIENPONT (Belgium)

Medtronic (in Room F6):
Bone Grafting Options: From Ceramics to BMP’s

Moderator:
James STANNARD (United States)

BONE GRAFTING OPTIONS: FROM CERAMICS TO BMP’S
James STANNARD (United States)

13:30-15:00 Free Papers

Spine Deformity

Moderator:
Hwa-Chang LIU (Taiwan)

25334 ANALYSIS OF MRI RESULTS FOR ADOLESCENT IDIOPATHIC SCOLIOSIS WITH SPONDYLOYSIS AND SPONDYLOLISTHESIS
Mehmet BALIOGLU, Birol ORAL (Turkey)

24131 POSTERIOR CORRECTION OF ADOLESCENT IDIOPATHIC SCOLIOSIS: SOME INTERMEDIATE RESULTS USING DIFFERENT TECHNIQUES
Sergey MLYAVYKH, Olga PERLMUTTER, Andrey SOSNIN, Andrey LEONTIEV (Russia)

24036 TREATMENT OF STATIC SCOLIOSIS AND PELVIC OBLIQUITY
Ghassan SALAMEH (Syria)

26442 NIGHT-TIME PROVIDENCE BRACING COMPARED TO FULL TIME BOSTON BRACING IN ADOLESCENT IDIOPATHIC SCOLIOSIS. A PROSPECTIVE RANDOMIZED STUDY
Per WESSBERG, Anders NORDWALL (Sweden)
24260 RESULTS OF BIPOLAR RELEASE IN THE TREATMENT OF CONGENITAL MUSCULAR TORTICOLIS IN PATIENTS OLDER THAN 10 YEARS OF AGE
Kamal BALI, Sudesh PEBAM, Mandeep DHILLON (India)

25801 TRUNK PROPORTIONALITY CHANGE FEATURES IN PATIENTS WITH HEAVY PROGRESSIVE SCOLIOTIC SPINE DEFORMITIES
Darya TESAKOVA, Dmitry TESAKOV (Belarus)

15:00-15:30 Coffee break

15:30-16:00 Plenary Lecture (in Congress Hall)
WHAT WILL SHAPE IMPROVEMENT IN THA IN THE FUTURE – TECHNOLOGY, TECHNIQUE OR TRAINING?
Ian LEARMONTH (United Kingdom)

16:00-17:45 Symposium
Epiphysen:
Hot Topics

Moderator:
Kim STRANGER (Sweden)

DIRECT TELEMEDICINE
Alexander BÖRVE (Sweden)

NEURONAL MECHANISMS IN TENDON HEALING
Daniel BRING (Sweden)

VITAMIN D: ASPECTS ON CAUSES, DIAGNOSIS AND BONE HEALTH
Greta SNELLMAN (Sweden)

Epiphysen:
Pro and Con Debate

Moderators:
Erica ARVERUD (Sweden)
Camilla BERGH (Sweden)

FIXATION OF HIP ARTHROPLASTY – WITH OR WITHOUT CEMENT?
Niels HAILER, André STARK (Sweden)

CONTROLLED FRACTURE IMPACTION – THE SAFEST WAY TO GO IN UNSTABLE TROCHANTERIC FRACTURES
Hans NÅSELL, Ola A. OLSSON (Sweden)
Thursday, 2 September
Congress Hall

08:00-09:30  Symposium
European Federation of National Associations of Orthopaedics and Traumatology (EFORT): *Musculoskeletal Polytrauma*

*Moderator:*
Karl Göran THORNGREN (Sweden)

**EPIDEMIOLOGY AND WHO INITIATIVE**
Karl Göran THORNGREN (Sweden)

**HIGH ENERGY POLYTRAUMA**
Jerôme TORNETTI (Sweden)

**DAMAGE CONTROL, TRAUMA CHECKLIST**
Pierre HOFFMEYER (Switzerland)

**LOW ENERGY POLYTRAUMA**
Pierre HOFFMEYER (Switzerland)

09:30-10:15  Coffee break

10:15-10:45  Plenary Lecture
**SPINAL MOTION SPARING: IS IT HERE TO STAY?**
Steven GARFIN (United States)

10:45-12:15  Symposium
Japanese Orthopaedic Association (JOA): *Surgical treatment for primary spinal infection*

*Moderator:*
Katsuji SHIMIZU (Japan)

*Co-Moderator:*
Manabu ITO (Japan)

26813  **CLINICAL AND RADIOLOGICAL OUTCOME OF SURGERY FOR PYOGENIC AND TUBERCULOUS SPONDYLITIS – COMPARISON BETWEEN SURGICAL TECHNIQUES AND BETWEEN DISEASE TYPES**
Hiroshi MIYAMOTO, Yoshiyuki OKADA, Koki UNO, Masatoshi SUMI (Japan)

26850  **ANTERIOR DEBRIDEMENT AND FUSION FOLLOWED BY POSTERIOR PEDICLE SCREW FIXATION IN INFECTIOUS**
SPONDYLITIS
Masato TANAKA (Japan)

TWO-STAGE (POSTERIOR AND ANTERIOR) SURGICAL TREATMENT USING POSTERIOR SPINAL INSTRUMENTATION FOR PYOGENIC AND TUBERCULOTIC SPONDYLITIS ASSOCIATED WITH SPINAL COLUMN INSTABILITY AND/OR NEUROLOGICAL DEFICIT
Kei MIYAMOTO (Japan)

26811 EFFECTIVENESS OF POSTEROLATERAL ENDOSCOPIC DEBRIDEMENT AND IRRIGATION FOR VARIOUS TYPES OF SPINAL INFECTION AT THORACIC AND LUMBAR SPINE
Manabu ITO, Kuniyoshi ABUMI, Yoshihisa KOTANI, Hideki SUDO, Yuichiro ABE, Akio MINAMI (Japan)

12:15-13:30 Industry Symposia

Biomet (in Room J1): Signature, Patient Specific Instrumentation

Moderator.
Emmanuel THIENPONT (Belgium)

SIGNATURE, PATIENT SPECIFIC INSTRUMENTATION
Emmanuel THIENPONT (Belgium)

Medtronic (in Room F6): Bone Grafting Options: From Ceramics to BMP’s

Moderator.
James STANNARD (United States)

BONE GRAFTING OPTIONS: FROM CERAMICS TO BMP’S
James STANNARD (United States)

13:30-15:00 Lecture Free Papers

Trauma Pertrochanteric Fractures

Moderator.
Nikolaj WOLFSON (United States)

26859 TROCHANTERIC FRACTURES
Nikolaj WOLFSON (United States)

25341 A PROSPECTIVE COHORT STUDY ON FUNCTIONAL OUTCOME IN PATIENTS WITH PERTHROCANTERIC FRACTURES AFTER SURGERY WITH THE SHORT GAMMA NAIL
Max GORDON, Per Olov BERNTSSON, André STARK, Olof
SKÖLDENBERG (Sweden)

23797  A BIOMECHANICAL ANALYSIS OF LAG SCREW POSITION IN THE FEMORAL HEAD FOR CEPHALomedullary Nails USED TO FIX UNSTABLE PERITROCHANTERIC FRACTURES
James WADDELL, Paul KUZYK, Zdero RADOVAN, Suraj SHAH, Michael OLSEN, Gordon HIGGINS, Emil SCHEMITSCH (Canada)

24915  3066 CONSECUTIVE GAMMA NAILS. 12 YEARS EXPERIENCE AT A SINGLE CENTRE
Alicja Joanna BOJAN, Claudia BEIMEL, Andreas SPEITLING, Gilbert TAGLANG, Carl EKHOLM, Anders JÖNSSON (Sweden)

24599  TIP TO APEX DISTANCE IN DHS FIXATION. AN AUDIT OF PRACTICE AT A DISTRICT GENERAL HOSPITAL
Dionysios TRIGKILIDAS, George MURPHY (United Kingdom)

24444  FUNCTIONAL OUTCOMES FOLLOWING INTRAMEDULLARY NAILING OF TROCHANTERIC HIP FRACTURES: A PILOT MULTICENTER, RANDOMIZED CONTROLLED TRIAL
Mohit BHANDARI, Alicja BOJAN, Carl EKHOLM, Ole BRINK, Anthony ADILI, Sheila SPRAGUE, Nasir HUSSAIN, Anders JÖNSSON (Canada)

23584  COMPARISON OF THE PROXIMAL FEMORAL NAIL ANTIROTATION AND THE DYNAMIC HIP SCREW FOR UNSTABLE PROXIMAL FEMUR FRACTURES: A RANDOMISED, CONTROLLED TRAIL FROM CHINA
Jiong Jiong GUO, Huilin YANG, Tiansi TANG (China)

25113  INTRAMEDULLARY FIXATION WITH A THIRD GENERATION NAIL VERSUS THE SLIDING HIP SCREW FOR TROCHANTERIC HIP FRACTURES; A RANDOMISED TRIAL OF 600 PATIENTS
Nikolas JAGODZINSKI, Martyn PARKER (United Kingdom)

22837  USE OF PROXIMAL FEMORAL NAILING ANTIROTATION (PFNA) FOR HIP FRACTURES
Kiran SINGISSETTI, Nicholas COOKE (United Kingdom)

25717  COMPARATIVE STUDY BETWEEN DYNAMIC HIP SCREW AND PROXIMAL FEMORAL LOCKED PLATE IN THE TREATMENT OF INTERTROCHANTERIC FEMORAL FRACTURES WITH DISTAL EXTENSION INTO SHAFT OF FEMUR
Waleed ARAFAT, Nehad EL MAHBOUB (Egypt)

15:00-15:30  Coffee break

15:30-16:00  Plenary Lecture

WHAT WILL SHAPE IMPROVEMENT IN THA IN THE FUTURE – TECHNOLOGY, TECHNIQUE OR TRAINING?
Ian LEARMONTH (United Kingdom)
### Thursday, 2 September
#### Room F4

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<th>Time</th>
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<td>08:00-09:30</td>
<td>Lecture / Free Papers</td>
<td>TREATMENT OF SEGMENTAL DEFECTS IN PERIPHERAL NERVE INJURIES BY TRACTION NERVE REGENERATION</td>
<td>Syed AWAIS (Pakistan)</td>
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<td>SURGICAL TREATMENT OF PATIENTS WITH CONGENITAL AND ACQUIRED HAND PATHOLOGY BY ILIZAROV METHOD</td>
<td>Guseynali ISMAYLOV (Iran)</td>
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<td>MULTI-DETECTOR CT IN THE EARLY DIAGNOSIS OF OCCULT SCAPHOID FRACTURES</td>
<td>Selahattin OZYUREK, Ahmet Turan ILICA, Ozkan KOSE, Murat DURUSU (Turkey)</td>
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<td>A COMPARATIVE PROSPECTIVE STUDY AND ANALYSIS OF RESULTS OF NON UNION SCAPHOID TREATED BY DIFFERENT FIXATION MODALITIES</td>
<td>Sunil Gurpur KINI, Raju P.K. (India)</td>
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<td>DOUBLE STAGE TREATMENT OF CHRONIC PERILUNAR WRIST DISLOCATION</td>
<td>Aleh KEZLIA, Ivan CHARHOVICH, Vladislav ERMLOVICH, Alexander BENKO, Konstantine CHACHELKO (Belarus)</td>
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<td>TERIPARATIDE (PTH 1-34) IMPROVES EARLY CALLUS FORMATION IN DISTAL RADIAL FRACTURES</td>
<td>Torsten JOHANSSON, Per ASPENBERG (Sweden)</td>
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<td>LIMB REPLANTATION WITH TWO ROBOTS: A FEASIBILITY STUDY</td>
<td>Sybille FACCA, Chihab TALEB, Eric NECTOUX, Philippe LIVERNEAUX (France)</td>
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<td>RESULTS OF IATROGENIC NERVE REPAIR IN THE UPPER LIMB AND THEIR PREVENTION</td>
<td>Rahul KAKKAR, C. OBERLIN (United Kingdom)</td>
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<td>A NEW STRATEGY FOR REPAIR OF A SEGMENTAL PERIPHERAL NERVE GAP: NERVE LENGTHENING METHODS</td>
<td>Yuki HARA, Yasumasa NISHIURA, Sharula NULL, Yoshiko NAKAJIMA, Harumitsu ICHIMURA, Takeshi OGAWA, Toshikazu TANAKA, Naoyuki OCHIAI (Japan)</td>
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<td>09:30-10:15</td>
<td>Coffee break</td>
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<td>10:15-10:45</td>
<td>Plenary Lecture <em>(in Congress Hall)</em></td>
<td>SPINAL MOTION SPARING: IS IT HERE TO STAY?</td>
<td>Steven GARFIN (United States)</td>
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<td>10:45-12:15</td>
<td>Lecture Free Papers</td>
<td>Trauma Subtrochanteric Fractures</td>
<td>Andreas H. RUECKER (Germany)</td>
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<td>SUBTROCHANTERIC FRACTURES: NAIL, PLATE AND HUMMINGBIRDS</td>
<td>Andreas H. RUECKER (Germany)</td>
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<td>PLATING FOR COMMINUTED SUBTROCHANTERIC &amp; DISTAL FEMORAL FRACTURES: &quot;LET THE BIOLOGY WORK&quot;</td>
<td>Puneet MISHRA, Ish K. DHAMMI, Anil K. JAIN (India)</td>
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<td>PROJECTED NUMBER OF HIP FRACTURES IN SWEDEN FROM 2010 TO 2050</td>
<td>Bjorn E. ROSENGREN, Magnus K. KARLSSON (Sweden)</td>
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<td>CIRCULAR SUBTROCHANTERIC FEMORAL OSTEOTOMY: TECHNIQUE AND RESULTS OF THE FIRST 9 CASES</td>
<td>Sherif EL GHAZALY (Egypt)</td>
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<td>SUBTROCHANTRIC FRACTURE. MANAGEMENT WITH ORIF DYNAMIC COMPRESSION PLATE</td>
<td>Sanjib Kumar BEHERA, Sreenivas Satyanarayana D., (India)</td>
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<td>TREATMENT OF SUBTROCHANTERIC NONUNIONS WITH THE 95-DEGREE BLADE PLATE</td>
<td>Seung-Jae LIM, Jeong-Hoon HAN, Youn-Soo PARK (Korea)</td>
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<td>MUSCULOSKELETAL FUNCTION AND QUALITY OF LIFE IN ELDERLY PATIENTS AFTER A SUBTROCHANTERIC FEMORAL FRACTURE TREATED WITH A CEPHALOMEDULLARY NAIL</td>
<td>Ricard MIEDEL, Hans TÖRNVIST, Sari PONZER, Anita SÖDERQVIST, Jan TIDERMARK (Sweden)</td>
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<td>SAHLGRENSKA UNIVERSITY HOSPITAL HIP SCORE – LEVEL OF ACTIVITY FOR PATIENTS OPERATED FOR A HIP FRACTURE IN THE ACUTE POSTOPERATIVE PHASE. A RELIABILITY AND VALIDITY STUDY</td>
<td>Maria EDVINSSON, Ulla SVANTESSON, Hans GRANHEID (Switzerland)</td>
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26205 GUIDELINES TO PERFORM CHEST X-RAY IN PATIENTS WITH FRACTURE NECK OF FEMURS
Muhammad SAEED, Bushra SAEED, David FARRAR, A PRAZEDLACKA, R. ARDLEY, Aroonkumar CHOUHAN (United Kingdom)

26213 SECOND HIP FRAGILITY FRACTURES
Okechukwu OKONKWO, Cyrus JENSEN, Pavel AKIMAU, Jim HOLLAND (United Kingdom)

12:15-13:30 Industry Symposia

Biomet (in Room J1):
Signature, Patient Specific Instrumentation

Moderator:
Emmanuel THIENPONT (Belgium)

SIGNATURE, PATIENT SPECIFIC INSTRUMENTATION
Emmanuel THIENPONT (Belgium)

Medtronic (in Room F6):
Bone Grafting Options: From Ceramics to BMP’s

Moderator:
James STANNARD (United States)

BONE GRAFTING OPTIONS: FROM CERAMICS TO BMP’S
James STANNARD (United States)

13:30-15:00 Free Papers

Infection

Moderator:
(to be defined)

26135 EVALUATION OF ADEQUACY OF SHORT-COURSE CHEMOTHERAPY IN EXTRASPINAL TUBERCULOSIS USING TECHNETIUM 99M CIPROFLOXACIN LABELED BONE SCAN
Vikas BHARDWAJ (India)

25820 POSTSURGICAL INFECTION INCIDENCE IN ORTHOPAEDIC SURGERY. PROSPECTIVE STUDY 1996-2008
Ignacio GARCÍA-FORCADA, Jaume CALMET-GARCÍA, Eduardo GONZÁLEZ-PEDROUZO, Carlos ESTEVE-BALZOLA, Petrea IFTIMIE, José GINÉ-GOMÀ (Spain)

25725 TREATMENT OF DEEP ENDOPROSTHETIC INFECTION OF THE HIP JOINT
Victor VOLOSHIN, Anatoliy EREMIN, Dmitriy MARTYNENKO, Saravanan ARUMUGAM (Russia)
23411  CLINICORADIOLOGICAL PRESENTATION OF TUBERCULOSIS OF THE ELBOW—AN ANALYSIS OF 58 CASES
Sunil Gurpur KINI, Aditya N. AGGARWAL, Ish K. DHAMMI, Sudhir KUMAR (India)

22932  THE ROLE OF AMPLIFIED MYCOBACTERIUM TUBERCULOSIS DIRECT TEST (AMTDT) GEN-PROBE (INC SAN DIEGO, CA) IN THE EARLY DIAGNOSIS OF CLINICALLY SUSPECTED CASES OF TUBERCULOUS ARTHRITIS OF KNEE JOINT
Sumit BATRA, Vinay AGGARWAL, Vinod SHARMA, Geetika KHANNA (India)

22843  PELVIC SUPPORTS – POTENTIAL SOURCE OF CROSS-INFECTION IN HIP SURGERY
Gautam TALAWADEKAR, S. SATHYAMURTHY (United Kingdom)

25759  ONE-STAGE REVISION FOR INFECTED REVERSE TOTAL SHOULDER ARTHROPLASTY
Pieter BEEKMAN, Luk VERHELST, Lieven DE WILDE (Belgium)

25731  SURGICAL MANAGEMENT OF INFECTED TIBIAL INTRAMEDULLARY NAILS
Asif A.H. PARKAR, Naveen ABHISHETTY, Om LAHOTI, Sarah PHILLIPS, G. GROOM (United Kingdom)

24979  INTRASPINAL TUBERCULOMA: AN UNCOMMON PRESENTATION OF POTT'S SPINE
Mayank AGRAWAL (India)

15:00-15:30  Coffee break

15:30-16:00  Plenary Lecture (in Congress Hall)
WHAT WILL SHAPE IMPROVEMENT IN THA IN THE FUTURE – TECHNOLOGY, TECHNIQUE OR TRAINING?
Ian LEARMONTH (United Kingdom)

16:00-17:45  Lecture Free Papers
Arthroplasty Knee
Moderator:
Rob NELISSEN (Netherlands)

26839  BLOOD MANAGEMENT IN HIP AND KNEE ARTHROPLASTY
Rob NELISSEN, Cynthia SO-OSMAN, Ronald BRAND, Ankie KOOPMAN VAN HEMERT, Anneke BRAND (Netherlands)

25700  REVISION RATE FOR WEAR IN TKA WITH THIN PE INSERTS
Rob NELISSEN, Bart PIJLS, Enrike VAN DER LINDEN-VAN DER ZWAAG (Netherlands)
25736 HOW MUCH TIBIAL RESECTION IS NEEDED IN TOTAL KNEE ARTHROPLASTY?
Christoph SCHNURR, György CSÉCSEI, Peer EYSEL, Dietmar Pierre KÖNIG (Germany)

23228 CORRECTING VARUS DEFORMITY DURING TOTAL KNEE ARTHROPLASTY: THE "INSIDE-OUT" TECHNIQUE
Chitranjan RANAWAT (United States)

25423 RESULTS OF A TKA AFTER KNEE ARTHRODESIS
Enrike VAN DER LINDEN, Rob NELISSEN (Netherlands)

23382 MID-TERM CLINICAL & RADIOLOGICAL RESULTS OF A HYBRID REVISION KNEE PROSTHESIS WITH UNCEMENTED STEM FIXATION
Gordon HIGGINS, Paul KUZYK, Michael OLSEN, Emil SCHEMITSCH, James WADDELL (United Kingdom)

23153 RADIOGRAPHIC AND CLINICAL PERFORMANCE OF HIGHLY CROSS-LINKED POLYETHYLENE IN YOUNG ACTIVE PATIENTS: EIGHT YEARS FOLLOW-UP
Chitranjan RANAWAT, Morteza MEFTAH (United States)

24571 KNEE ARTHROPLASTY AFTER HIGH TIBIAL OSTEOTOMY IN SWEDEN 1998-2007
Annette W-DAHL, Otto ROBERTSSON, Stefan LOHMANDER (Sweden)

25399 TRABECULAR METAL TIBIA IN YOUNGER PATIENTS. A FIVE-YEAR RSA STUDY
Anders HENRICSON, Kjell G. NILSSON (Sweden)

25553 UNCEMENTED POSTERIOR STABILIZED TRABECULAR METAL TIBIA IN HIGH-FLEX KNEES IN YOUNGER PATIENTS. A TWO-YEAR RSA STUDY
Kjell G. NILSSON, Anders HENRICSON (Sweden)
Thursday, 2 September
Room F2

08:00-09:30  Free Papers

Infection

Moderator:
(to be defined)

23299  A REVIEW OF NECROTIZING FASCIITIS IN THE EXTREMITIES
Jason Pui Yin CHEUNG (Hong Kong)

23294  EVALUATION OF SENSITIVITY AND SPECIFICITY OF 99MTC-
CIPROFLOXACIN IN LOCALIZING SKELETAL TUBERCULOSIS
Vishal KUMAR, Vijay GONI (India)

23468  MANAGEMENT OF POSTTRAUMATIC Long bone DEFECTS
COMPLICATED WITH OSTEOMYELITIS USING POLYLOCAL
EXTRAFOCAL OSTEOSYNTHSES METHOD
Mohd. Musa WARDAK, Emal WARDAK (Afghanistan)

26568  OUTCOME OF SINGLE STAGE TREATMENT OF CHRONIC
OSTEOMYELITIS
Jagwant SINGH, S. MARWAH, A. PLATT, G. BARLOW, R.
RAMAN, H.K. SHARMA (United Kingdom)

23297  PROGNOSTIC FACTORS OF MYCOBACTERIUM MARINUM
INFECTION OF THE HAND AND WRIST
Jason Pui Yin CHEUNG (Hong Kong)

25754  AGGRESSIVE EARLY DEBRIDEMENT CAN BE SUCCESSFUL
FOR INFECTED TOTAL KNEE ARTHROPLASTY
Mohamed SUKEIK, Mike DOBSON, Bridgens ANNA, Fares Sami
HADDAD (United Kingdom)

24363  RESULTS OF TOTAL HIP REPLACEMENT IN ACTIVE
TUBERCULOSIS – A CLINICAL STUDY
Chandra YADAV, Ashok KUMAR, Devdatt NEOGI, Shah KHAN,
Sameer NARANJE, Shishir RASTOGI (India)

09:30-10:15  Coffee break

10:15-10:45  Plenary Lecture (in Congress Hall)

SPINAL MOTION SPARING: IS IT HERE TO STAY?
Steven GARFIN (United States)

10:45-12:15  Free Papers
25733 PURE ELBOW DISLOCATION IN CHILDREN: A REPORT OF 5 CASES
Sarper GURSU, Timur YILDIRIM, Bilal DEMIR, Turgay ER, M Ali DEVECI, Vedat SAHIN (Turkey)

24258 IPSILATERAL PROXIMAL AND DISTAL FOREARM FRACTURE/FRACTURE DISLOCATION IN CHILDREN
Sameer AGGARWAL, Sujit TRIPATHY, Ramesh SEN, Amit AGGARWAL (India)

23917 PROXIMAL RADIUS AND ULNA COMBINED FRACTURES IN CHILDREN: LATE RESULTS OF TREATMENT
Theodoros BESLIKAS, Anastasios CHYTAS, Aleksandros NENOPoulos, Vasileios GOULIOS, John GIGIS, John CHRISTOFORIDES (Greece)

25781 MANAGEMENT AND OUTCOME OF PAEDIATRIC FEMORAL FRACTURES: 10 YEARS EXPERIENCE AT A LONDON TRAUMA CENTRE
ANNA BRIDGENS, Jit MANGWANI, Shiv SHANKER, Steve KEY, Manoj RAMACHANDRAN, Matthew BARRY, Mark PATERSON (United Kingdom)

26459 TREATMENT OF SUBTROCHANTERIC FRACTURES IN CHILDREN WITH ESIN
Vasileios GOULIOS, Theodoros BESLIKAS, Thomas PAPAGEORGIOU, Nikos PANOS, Ioannis GIGIS, Ioannis CHRISTOFORIDES (Greece)

25076 SURGICAL TREATMENT OF ACUTE PATELLAR DISLOCATIONS AND CHRONIC PATELLAR INSTABILITY IN YOUNG PATIENTS
Mikhail GERASIMENKO, Eugene ZHUK, Stanislau TRATSIAK (Belarus)

26518 ELASTIC STABLE INTRAMEDULLARY NAILING OF SUPRACONDYLAR FRACTURES OF FEMUR IN CHILDREN
Vasileios GOULIOS, Theodoros BESLIKAS, Kosmas SIDIROPOULOS, Anastasios CHYTAS, Nikos PANOS, Ioannis CHRISTOFORIDES (Greece)

25891 SUPRACONDYLAR FRACTURES OF THE HUMERUS IN
CHILDREN – RESULTS OF 10 YEARS OF SURGICAL TREATMENT
Sofia FERNANDES, Rui CERQUEIRA, José FRAGA, Tiago BARBOSA, João OLIVEIRA, Joel REIS (Portugal)

25184 ORAL RISEDRONATE AS TREATMENT OF OSTEOGENESIS IMPERFECTA
Nagy Ahmed SABET (Egypt)

12:15-13:30 Industry Symposia

Biomet (in Room J1):
*Signature, Patient Specific Instrumentation*

*Moderator:*
Emmanuel THIENPONT (Belgium)

**SIGNATURE, PATIENT SPECIFIC INSTRUMENTATION**
Emmanuel THIENPONT (Belgium)

Medtronic (in Room F6):
*Bone Grafting Options: From Ceramics to BMP’s*

*Moderator:*
James STANNARD (United States)

**BONE GRAFTING OPTIONS: FROM CERAMICS TO BMP’S**
James STANNARD (United States)

13:30-15:00 Free Papers

**SICOT / SOF / International Federation of Paediatric Orthopaedic Societies (IFPOS): Paediatrics**
Limb Lengthening / SCFE / Foot / Miscellaneous

*Moderators:*
Ann Charlot SÖDERPALM (Sweden)
Patrícia FUCS (Brazil)

23355 **ROLE OF FLEXIBLE INTRAMEDULLARY NAILING IN LIMB LENGTHENING IN CHILDREN. A COMPARATIVE STUDY**
Dmitry POPKOV, Pierre LASCOMBES, Arnold POPKOV, Pierre JOURNEAU, Thierry HAUMONT (France)

25138 **BONE DEFORMITIES IN CHILDREN TREATED WITH TSF (TAYLOR SPATIAL FRAME). DIFFICULTIES AND RISC OF THIS PROCESS**
Haridimos TSIBIDAKIS, Vasileios SAKELLARIOU, George MAZIS, Vasileios TSOUARPOPOULOS, George KARALIOTAS, Anastasios KANELLOPOULOS (Greece)
23567  A NEW HINGE SYSTEM IN THE TREATMENT OF LIMB LENGTHENING AND AXIAL DEVIATIONS
Ghassan SALAMEH, Michael SCHMIDT (Syria)

24232  LONG-TERM RESULTS OF IMHÄUSER-OSTEOTOMY IN EPIPHYSSEOLYSIS CAPITIS FEMORIS
Albert FUJAK, Kristin MÜLLER, Wolfgang LEGAL, Jürgen FORST (Germany)

23937  DE-THREADED SCREW FIXATION OF SLIPPED CAPITAL FEMORAL EPIPHYESSES – PRELIMINARY EXPERIENCE
Yuvraj AGRAWAL, Nick NICOLAOU, Mark FLOWERS (United Kingdom)

26609  UNDIAGNOSED CEREBRAL PALSY IN OLDER CHILDREN WITH LATE ONSET UNILATERAL OR ASYMMETRIC FOOT DEFORMITIES
Ganapathy RAMAN PERIANAYAGAM, Hari PREM (United Kingdom)

26496  CIRCULAR FRAME CORRECTION OF GENU VALGUM IN HURLER SYNDROME
Colm TAYLOR, Eimear CONROY, David MOORE (Ireland)

24257  PREMATURE EPIPHYSEAL FUSIONS IN BETA THALASSEMIA
Sharad PRABHAKAR, Mandeep DHILLON, Praveen BASANGOUDHAR, Shivinder GILL (India)

15:00-15:30  Coffee break

15:30-16:00  Plenary Lecture (in Congress Hall)
WHAT WILL SHAPE IMPROVEMENT IN THA IN THE FUTURE – TECHNOLOGY, TECHNIQUE OR TRAINING?
Ian LEARMONTH (United Kingdom)

16:00-17:45  Free Papers
SICOT / SOF / International Federation of Paediatric Orthopaedic Societies (IFPOS):
Paediatrics
Perthes Disease / Limb Lengthening / Spine & Hip / Miscellaneous

Moderators:
Aina DANIELSON (Sweden)
George THOMPSON (United States)

26323  ARTHRODIASTASIS AND SURGICAL CONTAINMENT IN LATE ONSET PERTHES DISEASE: AN ANALYSIS OF 14 PATIENTS
Kamal BALI, Pebam SUDESH, Mandeep DHILLON, Raghav SAINI
MODELING EFFECT OF TRIPLE PELVIC OSTEOTOMY IN SEVERE CASES AT PERTHES DISEASE
Andrei DZEMIANTSOU, Alexander BELETSKI, Aleh SAKALOUSKI, Ludmiła PASHKEVICH, Sergei SERDJUCHENKO, Roman GOLDMAN (Belarus)

STABILIZING EFFECT OF TRIPLE PELVIC OSTEOTOMY IN SEVERE CASES AT PERTHES DISEASE
Aleh SAKALOUSKI, Alexander BELETSKI, Andrei DZEMIANTSOU, Sergei SERDJUCHENKO, Urii LIHACHEVSKIY (Belarus)

LIMB LENGTHENING WITH A SUBMUSCULAR LOCKING PLATE
Chang-Wug OH, Hyun-Joo LEE, Sang-Hyup YOON, Byung-Chul PARK (Korea)

TSF (TAYLOR SPATIAL FRAME) EXTERNAL FIXATION FOR TREATING THE TIBIAL FRACTURES IN SKELETAL IMMATURE PATIENTS
Haridimos TSIBIDAKIS, Vasileios SAKELLARIOU, George MAZIS, George KARALIOTAS, Anastasios KANELLOPOULOS (Greece)

MRI EVALUATION OF FEMORAL AND ACETABULAR ANTEVERSION IN DEVELOPMENTAL DYSPLASIA OF HIP: A STUDY IN EARLY WALKING AGE GROUP
Aditya MOOTHA, Raghav SAINI (India)

SHOULDER FUNCTION AFTER CORRECTION OF SPRENGEL DEFORMITY WITH WOODWARD PROCEDURE (LONG-TERM FOLLOW UP)
T.D.W. ALTA, F.E. WALSTRA, J.W. VAN DER EIJKEN, W.J. WILLEMS, S.J. HAM (Netherlands)

USING LATERAL OSTEOTOMY WITHOUT ANY INTERNAL FIXTION FOR POSTTRAUMATIC CUBITUS VARUS DEFORMITY
Ziming ZHANG, Jing ZHANG (China)

MULTIFOCAL SKELETAL TUBERCULOSIS IN CHILDREN-ANALYSIS OF PATTERN, COURSE AND CLINICAL OUTCOME
Sunil Gurpur KINI, Aditya N. AGGARWAL, Ish K. DHAMMI, Sudhir KUMAR (India)
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<td>Lecture Free Papers</td>
<td>Management in Orthopaedics</td>
<td>William HARRIS (United States)</td>
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<td>OPTIMIZATION OF A TEACHING CONFERENCE</td>
<td>William HARRIS (United States)</td>
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<td>MISDIAGNOSIS AND DELAYED DIAGNOSIS IN ORTHOPEDICS – EVALUATION OF INCIDENT REPORTS AT A JAPANESE HOSPITAL</td>
<td>Takashi YAMAZAKI, Yoshiyasu KOKUBO (Japan)</td>
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<td>INTERNET USE BY ORTHOPAEDIC OUTPATIENTS</td>
<td>Joseph BAKER, James GREEN, Synnott KEITH, Michael STEPHENS, Ashley POYNTON, Kevin MULHALL (Ireland)</td>
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<td>MITIATING GLOBAL MUSCULOSKELETAL BURDEN THROUGH TRANSTIONAL ACADEMIC COLLABORATION: IGOT</td>
<td>Richard COUGHLIN, Jonathan PHILLIPS, Thomas PENOYAR, Amber CALDWELL, Richard GOSELIN, Harry JERGESEN (United States)</td>
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<td>TONK SCORE; AN OBJECTIVE METHOD OF ANALYSING MEDICAL NOTES</td>
<td>Adele Elizabeth SAYERS, Zeeshan KHAN, Iain CHAMBERS (United Kingdom)</td>
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<td>POST-OPERATIVE NOTES: DO WE WRITE ENOUGH?</td>
<td>Paraskumar MOHANLAL, Sunil JAIN (United Kingdom)</td>
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<td>FIRST-YEAR MORTALITY FOLLOWING HIP FRACTURE SURGERY AND PREOPERATIVE USE OF LOW-DOSE ACETYLHYLIC ACID: A SUBGROUP ANALYSIS OF A RANDOMIZED CONTROLLED TRIAL</td>
<td>Annika KRAGH EKSTAM, Isam ATROSHI, Markus WALLDÉN, Anna APELQVIST (Sweden)</td>
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<td>HEALTH RELATED QUALITY OF LIFE (EQ-5D) BEFORE AND AFTER ORTHOPAEDIC SURGERY</td>
<td>Karl-Åke JANSSON, Fredrik GRANATH (Sweden)</td>
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<td>23393</td>
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<td>QUALITY OF REFERRALS FROM MINOR INJURIES UNIT</td>
<td>Santosh VENKATACHALAM, Paul DIXON (United Kingdom)</td>
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26235  A NOVEL MODEL FOR LEAN PRODUCTION CLINICAL IMPROVEMENTS AND A SUPPORTING INTERNATIONAL DATABASE FOR CLINICAL HEALTHCARE IMPROVEMENT IN GENERAL
Erik VESTBERG, Kerstin CARLSSON, Dan JOHANNESSON (Sweden)

25567  SHO'S BETTER AT CONSENT THAN CONSULTANTS
Yusuf MIRZA, Sibtain HUSSAIN (United Kingdom)

09:30-10:15  Coffee break

10:15-10:45  Plenary Lecture  (in Congress Hall)
SPINAL MOTION SPARING: IS IT HERE TO STAY?
Steven GARFIN (United States)

10:45-12:15  Symposium
How to recruit - and keep - residents in orthopaedic surgery
Moderator:
Cecilia ROGMARK (Sweden)

FEMALE ORTHOPAEDICS
Marie WEDIN, Ilka KAMRAD, Lennart LANDIN (Sweden)

12:15-13:30  Industry Symposia
Biomet  (in Room J1):
Signature, Patient Specific Instrumentation
Moderator:
Emmanuel THIENPONT (Belgium)

SIGNATURE, PATIENT SPECIFIC INSTRUMENTATION
Emmanuel THIENPONT (Belgium)

Medtronic  (in Room F6):
Bone Grafting Options: From Ceramics to BMP’s
Moderator:
James STANNARD (United States)

BONE GRAFTING OPTIONS: FROM CERAMICS TO BMP’S
James STANNARD (United States)

13:30-15:00  Symposium
Orthopaedic Surgical Osseointegration Society (OSOS):
Osseointegration & Amputation Prostheses

Moderators:
Rickard BRÅNEMARK (Sweden)
Richard J. O’DONNEL (United States)

Welcome and Introduction
Rickard BRÅNEMARK¹, Richard J. O’DONNEL²
¹(Sweden), ²(United States)

THE HISTORY OF OSSEOINTEGRATION
Rickard BRÅNEMARK (Sweden)

OSSEOINTEGRATION IN LIMB SALVAGE PROCEDURES
Richard J. O’DONNELL (United States)

NANO OSSEOINTEGRATION
Peter THOMSEN (Sweden)

TARGETED REINNERVATION: DEVELOPMENT OF A NEURAL INTERFACE FOR ARTIFICIAL LIMBS
Todd KUIKEN (United States)

15:00-15:30  Coffee break

15:30-16:00  Plenary Lecture (in Congress Hall)
WHAT WILL SHAPE IMPROVEMENT IN THA IN THE FUTURE – TECHNOLOGY, TECHNIQUE OR TRAINING?
Ian LEARMONTH (United Kingdom)

16:00-17:45  Lectures
Orthopaedic Surgical Osseointegration Society (OSOS): Osseointegration

Moderator:
Peter THOMSEN (Sweden)

ULTRA-HIGH RESOLUTION INTERFACE ANALYSIS OF RETRIEVED OSSEOINTEGRATED IMPLANTS
Anders PALMQVIST (Sweden)

A FEM ANALYSIS OF STABILIZING SKIN FOR OSSEOINTEGRATION
Todd KUIKEN (United States)

OSSEOINTEGRATION AND NEURAL INTERFACES
Max ORTIZ (United States)

BIOMECHANICS OF TRANSFEMORAL AMPUTEES FITTED
WITH OSSEOINTEGRATED FIXATION: LOADING DATA FOR EVIDENCE-BASED PRACTICE
Laurent FROSSARD (Canada)
## Programme – Friday, 3 September

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<td>08:00-09:30</td>
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<td>Symposium</td>
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<td>Fragility Fractures in Orthopaedics</td>
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<td>Knee</td>
<td>OSOS: Compressive osseointegration for endoprosthetic reconstruction</td>
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<td>Coffee break</td>
<td>Plenary Lecture Tommy Hansson</td>
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<td>10:45-12:15</td>
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Friday, 3 September
Room G4

08:00-09:30

**Lecture**

**Free Papers**

**Spine**

Cervical / Lumbar Spinal Stenosis

*Moderator:*
Kandiah RAVEENDRAN (Malaysia)

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<td>26819</td>
<td><strong>ANTERIOR CERVICAL DISCECTOMY USING CAGES OR ARTHROPLASTY – MINIMAL INVASIVE TECHNIQUE</strong></td>
<td>Kandiah RAVEENDRAN (Malaysia)</td>
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<tr>
<td>25391</td>
<td><strong>BIOMECHANICAL COMPARISON OF ANTERIOR SCREW FIXATION TECHNIQUES FOR TYPE II ODONTOID FRACTURES: 1 VERSUS 2 SCREW TECHNIQUE</strong></td>
<td>Arndt P. SCHULZ, Feng GANG, Robert WENDLANDT, Gerhard HEINRICHS, Sebastian SPUCK (Germany)</td>
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<tr>
<td>24417</td>
<td><strong>THE FLAVUM’S, DISC’S AND EPIDURAL FAT’S CONTRIBUTION TO THE LOAD AND POSITION INDUCED CONSTRICTION OF THE CAUDA EQUINA</strong></td>
<td>Nobuyuki SUZUKI, Takanobu OTSUKA, Tommy HANSSON (Japan)</td>
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<td>25745</td>
<td><strong>DURAL TEAR CAUSE OF DISABILITY</strong></td>
<td>Anders OLAI, Annica ÖHRN, Hans RUTBERG, Hans TROPP (Sweden)</td>
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<td>26162</td>
<td><strong>ACUTE CRANIOCERVICAL LIGAMENT INJURIES AFTER MAJOR TRAUMA DESCRIBED WITH HIGH RESOLUTION MRI</strong></td>
<td>Mari HÄNNI, Claes OLERUD (Sweden)</td>
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<td>24897</td>
<td><strong>CLINICAL OUTCOMES AND RADIOGRAPHIC ASSESSMENT OF MICROENDOSCOPIC LAMINOTOMY FOR CERVICAL DISC HERNIATION WITH MYELOPATHY</strong></td>
<td>Takuya MISHIRO, Shoji YAGI, Yoichiro TAKATA (Japan)</td>
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<td>26562</td>
<td><strong>A CLINICAL AND RADIOGRAPHIC ANALYSIS OF CERVICAL MOTION PRESERVATION BY PEEK ON PEEK CERVICAL DISC REPLACEMENT (POPCDR) SYSTEM</strong></td>
<td>Sandesh LAKKOL, Sharad BHATNAGAR, Obaidullah ZAFAR, Guru REDDY, Tai FRIESEM (United Kingdom)</td>
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<td>26247</td>
<td><strong>CERVICAL PEDICLE SCREW PLACEMENT USING O-ARM BASED NAVIGATION SYSTEM</strong></td>
<td>Yoshimoto ISHIKAWA, Tokumi KANEMURA, Go YOSHIDA (Japan)</td>
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25984  DYSPHAGIA IN ANTERIOR CERVICAL DISK SURGERY  
Martin SKEPPHOLM, Claes OLERUD (Sweden)

23078  A COMPARISON BETWEEN THE CARBON FIBER CAGE AND THE CLOWARD PROCEDURE IN CERVICAL SPINE SURGERY: A 10-13 YEAR FOLLOW-UP OF A PROSPECTIVE RANDOMIZED STUDY  
Anneli PEOLSSON, Anna HERMANSEN, Ludek VAVRUCH, Rune HEDLUND (Sweden)

09:30-10:15  Coffee break

10:15-10:45  Plenary Lecture (in Congress Hall)
WAYS TO IMPROVE OUTCOME IN ORTHOPAEDIC SURGERY  
Tommy HANSSON (Sweden)

10:45-12:15  Lecture  Free Papers
Arthroplasty  
Knee

Moderator:  
Dominique POITOUT (France)

26865  MASSIVE KNEE ARTHROPLASTY SURROUNDED WITH ALLOGRAFTS  
Dominique POITOUT, R. VOLPI, P. MAMAN, A. MERGER (France)

24893  PSEUDO-PATELLA BAJA AFTER TOTAL KNEE ARTHROPLASTY  
Seyyed Morteza KAZEMI, Alireza EAJAZI, Laleh DAFTARI BESHELI (Iran)

25454  INTRODUCTION OF TOTAL KNEE ARTHROPLASTY IN LITHUANIA. RESULTS FROM THE FIRST 10 YEARS  
Sarunas TARASEVICIUS, Justinas STUCINSKAS, Robertsson OTTO, Hans WINGSTRAND (Lithuania)

23151  TOTAL KNEE ARTHROPLASTY FOR SEVERE VALGUS DEFORMITY  
Chitranjan RANAWAT, Morteza MEFTAH (United States)

23173  MORBIDITY AND MORTALITY OF SINGLE STAGE BILAT TKR: PROSPECTIVE STUDY OF 654 CASES  
Rajesh RAJULE, Sinu BHASKARAN, Hemant WAKANKAR (India)

24165  EVALUATION OF CLINICO-RADIOGRAPHIC AND FUNCTIONAL RESULTS IN RELATION TO ALIGNMENT AND ORIENTATION OF THE COMPONENTS OF TOTAL KNEE REPLACEMENT – A PROSPECTIVE STUDY
26221  FEMORAL ROTATION ACCURACY IN TOTAL KNEE ARTHROPLASTY
Emmanuel THIENPONT, Leo BECKERS (Belgium)

23970  COMPARISON OF THE MOBILE-BEARING AND FIXED-BEARING DESIGNS OF HIGH FLEXION TOTAL KNEE ARTHROPLASTY
Tae Wan KIM, Jeung Tak SUH (Korea)

25326  TOTAL KNEE REPLACEMENT UNDER LIGAMENTOUS INSTABILITY OF THE KNEE
Alexandre SITNIK, Alexandre BELETSKY, Pavel SKAKUN, Oleg EISMONT, Andrey PERESADA (Belarus)

12:15-13:15  Closing Ceremony
Friday, 3 September
Room H1

08:00-09:30 Symposium

Fragility Fractures in Orthopaedics

Moderator:
Kristina ÅKESSON (Sweden)

(TO BE ANNOUNCED)
Wayne AKESON (United States)

Free Papers

Osteoporosis

Moderator:
(to be defined)

23487 COMPARING OSTEOPOROSIS AWARENESS AND PREVALENCE IN BRAZILIAN MALES AND FEMALES
Fabio RAVAGLIA, Maria Gorete LEITE, Tiago BARCELLOS, Alberto CLIQUET JR (Brazil)

25045 THE EXPERIENCE OF THE MANAGEMENT FOR THE RADIAL END FRACTURE BY DORSAL PLATE IN OSTEOPOROTIC CASES
Kimiaki YOKOSUKA, Katsuya KANESAKI, Yasuhiro MITSUI, Takateru KAIEDA, Kensei NAGATA (Japan)

23482 CEMENT ADDING IN VOLAR LOCKING PLATE FOR THE TREATMENT OSTEOPOROTIC DISTAL RADIUS FRACTURES
Sybille FACCA, Chihab TALEB, Stéphanie GOUZOU, Philippe LIVERNEAUX (France)

26134 PERCUTANEOUS VERTEBROPLASTY FOR PAINFUL OSTEOPOROTIC FRACTURES VERSUS CONSERVATIVE TREATMENT. A RANDOMIZED CONTROL TRIAL
Efe Levent ARAS, Leif SØRENSEN, Peter VESTERGAARD, Leif MOSEKILDE (Denmark)

09:30-10:15 Coffee break

10:15-10:45 Plenary Lecture (in Congress Hall)

WAYS TO IMPROVE OUTCOME IN ORTHOPAEDIC SURGERY
Tommy HANSSON (Sweden)

10:45-12:15 Symposium
**Natural Disasters & Orthopaedic Surgery**

*Moderator:*
Maurice HINSENKAMP (Belgium)

**(TO BE ANNOUNCED)**
Bernard NAU (Haiti)

**26797** MISSION DE HAITI: A MSF-BE / SICOT COLLABORATIVE EFFORTS AT CHOSCAL HOSPITAL, PORT-AU-PRINCE
Nanjundappa S. HARSHAVIDHANA, John P. LAWRENCE, John P. DORMANS (United Kingdom)

**26860** MANAGEMENT OF THE EARTHQUAKE RELATED ORTHOPAEDIC INJURIES: MY HAITI EXPERIENCE
Nikolaj WOLFSON (Germany)

**STUDY OF MUSCULOSKELETAL INJURIES OF PAKISTAN EARTHQUAKE 2005**
Syed AWAIS (Pakistan)

**26838** ACCESS TO SURGICAL CARE IN DISASTERS IS CRUCIAL
Meena CHERIAN (Switzerland)

12:15-13:15 **Closing Ceremony**
Friday, 3 September
Congress Hall

08:00-09:30  **Best Papers Session**

*Moderator:*
Maurice HINSENKAMP (Belgium)

*(To be announced)*

09:30-10:15  **Coffee break**

10:15-10:45  **Plenary Lecture**

WAYS TO IMPROVE OUTCOME IN ORTHOPAEDIC SURGERY
Tommy HANSSON (Sweden)

10:45-12:15  **Symposium**

*Smoking & Orthopaedic Surgery*

*Moderator:*
Hanne TÖNNESSEN (Sweden)

*(To be announced)*
Johanna ADAMI, Göran MODIN (Sweden)

12:15-13:15  **Closing Ceremony**
Friday, 3 September
Room F4

08:00-09:30 Free Papers

Trauma
Pelvic Fractures

Moderator:
Horia-Bogdan ORBAN (Romania)

25173 SURGICAL TREATMENT OF DELAYED VERTICALLY UNSTABLE PELVIS FRACTURES
Andrey KAZANTCEV, Maxim ENIKEEV, Sergey PUTYATIN, Atom TER-GRIGORYAN (Russia)

23946 PERCUTANEOUS ILIOSACRAL SCREW FIXATION FOR UNSTABLE POSTERIOR PELVIC FRACTURES: A SERIES OF 32 CASES
Sherif KHALED (Egypt)

26381 THE EFFECT OF SIMULATED POSTERIOR WALL ACETABULAR FRACTURES ON HIP STABILITY DURING SINGLE LEG STANCE AND SIT-TO-STAND MANEUVERS
Amir MATITYAHU, Erik MCDONALD, Jennifer BUCKLEY, Meir MARMOR (United States)

26437 SURGICAL TREATMENT FOR ACETABULAR FRACTURES
Victor VOLOSHIN, Anatoliy GALKIN, Saravanan ARUMUGAM (Russia)

26276 CONSERVATIVE TREATMENT OF ACETABULAR FRACTURES
Narender MAGU, Rajesh ROHILLA, Sanjay ARORA (India)

26294 PATIENT-SPECIFIC BONE FIXATION PLATES FOR COMPLEX FRAGMENT REDUCTION
Tim CLIJMANS, Frederik GELAUDE, Johan ABELOOS, Filip STOCKMANS (Belgium)

24457 EXTENDED ILIOFEMORAL APPROACH FOR COMPLEX ACETABULAR FRACTURES: OUR EXPERIENCE
PUNEET MISHRA (India)

23191 DYNAMIC PELVIC OSTEOSYNTHESIS
Sergey SERGEEV, Oleg GRISHANIN, Vladimir MATVEEV, Dmitry GRECHUKHIN (Russia)

24243 TREATMENT OF COMMINUTED ACETABULAR FRACTURES USING ILIZAROV LIGAMENTOTAXIS, MINIMAL INVASIVE FIXATION AND EARLY TREATMENT OF AVASCULAR
NECROSIS
Nuno CRAVEIRO LOPES, Carolina ESCALDA, Carlo VILLACRESES (Portugal)

09:30-10:15 Coffee break

10:15-10:45 **Plenary Lecture (in Congress Hall)**

WAYS TO IMPROVE OUTCOME IN ORTHOPAEDIC SURGERY
Tommy HANSSON (Sweden)

10:45-12:15 **Free Papers**

**Biomaterials / Cartilage Repair**

*Moderator:*
Stephen ABELOW (United States)

**23978** NANOSIZED HYDROXYAPATITE AND STEM CELL COMPOSITE IN REPAIR OF RADIAL FRACTURE GAP IN RABBITS
Safoora GHADIRIAN, Seifollah DEHGHANI NAZHVANI, MA BAHROLOLUM, G.A. GHADERI, Iman MOSTAFA (Iran)

**25598** EFFECT OF HYPERBARIC OXYGEN AND COMPRESSION ON CHONDROCYTE PROLIFERATION
Birte SIEVERS, Nadine HOECHSMANN, Frank DUEREN, Susanne MAYER, Peter MUELLER (Germany)

**26764** EFFECTS OF COMBINED 3D- AND HYPOXIC CULTURING ON CARTILAGE-SPECIFIC GENE EXPRESSION IN HUMAN CHONDROCYTES
Casper FOLDAGER, Samir MUNIR, Michael ULRICH-VINTHER, Kjeld SØBALLE, Cody BÜNGER, Martin LIND (Denmark)

**26105** A BIOMIMETIC BONE SCAFFOLD FOR TISSUE ENGINEERING
Prakash JAYAKUMAR, B BURANAWAT, Sanjukta DEB, Lucy DISILVIO (United Kingdom)

**26041** SURFACE ENHANCED POLYETHERETHERKETONE MATERIALS FOR ORTHOPAEDIC IMPLANTATION
Kelvin YEUNG, So Ching LIU, Paul CHU, Keith LUK, Kenneth CHEUNG (Hong Kong)

**26639** A NOVEL, ABSORBABLE BONE HEMOSTAT MATRIX DOES NOT IMPAIR BONE HEALING IN A RABBIT STERNOTOMY MODEL
Yuehuei AN, Qian KANG, Peng CHEN, Jordan KATZ, Ankur GANDHI (United States)

**24484** THE ROLE OF PLURIPOTENTIAL STEM CELLS IN THE REPAIR
OF CARTILAGE DEFECTS OF MUSCULOSKELETAL SYSTEM (AN INTERVENTIONAL STUDY)
Dariush GOURAN SAVADKOOH, Mohammad Javad ZEHTAB, Babak SIAVASHI, Mohammad MOAZZAMI, Mohammad Reza BAGHBAN ESLAMINEJAD, Leila TAGHIYAR (Iran)

25977 SMALL METALLIC JOINT IMPLANTS MAY GIVE NEGLIGIBLE DAMAGE TO OPPOSING CARTILAGE SURFACE
Nicolas MARTINEZ-CARRANZA, Hilkka NURMI-SANDH, Ann-Sofie LAGERSTEDT, Hans BERG, Kjell HULTENBY, Leif RYD (Sweden)

26595 OSTEOPONTIN FUNCTIONALIZATION OF HA/PDLLA COMPOSITE PROMOTES BONE FORMATION
Thomas JENSEN (Denmark)

25526 BIOMIMETICS BONE CONTAINED COLLAGEN TYPE I BEADS, PLATELET RICH PLASMA AND BONE MARROW MESENCHYMAL STEM CELLS PROMOTING BONE REGENERATION
Chien-Hao CHEN, Chih-Hwa CHEN, Shu-Wen WHU, Chun-I SU, Hsien-Tao LIU, Fu-Yin HSU, Bo-Nian LIN, Hsiang-Jou SUN, Chung-Ming YU (Taiwan)

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<td><strong>Moderator</strong>: Thami BENZAKOUR (Morocco)</td>
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<td><strong>HIGH TIBIAL OSTEOTOMY FOR MEDIAL KNEE ARTHRITIS</strong></td>
<td>Thami BENZAKOUR, Ahmed BENZAKOUR, Abderrazak HEFTI, Mohamed LEMSEFFER (Morocco)</td>
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<td>**LATERAL UNICOMPARTMENTAL KNEE ARTHROPLASTY: INFLUENCE OF ALIGNMENT...</td>
<td>Philippe HERNIGOU, Alexandre POIGNARD, Charle Henri FLOUZAT LACHIANETTE (France)</td>
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<td><strong>MEDIUM TERM RESULTS OF MEDIAL COMPARTMENT KNEE REPLACEMENT</strong></td>
<td>Anupkumar SHETTY, Praveen SHARDA, S. MAHESWARAN (United Kingdom)</td>
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<td>**THE EFFECT OF DISTAL FEMORAL BONE CUT ON FLEXION GAP IN TOTAL KNEE...</td>
<td>Masahiro NOZAKI, Masaaki KOBAYASHI, Yuko NAGAYA, Hideyuki GOTO, Hirotaka IGUCHI, Nobuyuki WATANABE, Hideki OKAMOTO, Takanobu OTSUKA (Japan)</td>
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<td><strong>UNICOMPARTMENTAL KNEE REPLACEMENT, CEMENTED VS. CEMENTLESS</strong></td>
<td>Gustav BONTEMPS, Klaus SCHLÜTER-BRUST (Germany)</td>
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<td><strong>KINEMATIC ANALYSIS OF MOBILE MENISCAL BEARING OF OXFORD MEDIAL UNICOMPARTMENTAL KNEE ARTHROPLASTY USING EOS IMAGING ACQUISITION SYSTEM: A FEASIBILITY STUDY</strong></td>
<td>Ahmed ZEMIRLINE, Eric STINDEL, Abdelhamid ZEMIRLINE, Julien LE BOUCHER, Joël SAVEAN, Frédéric DUBRANA (France)</td>
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<td><strong>A NOVEL FREE-FLOATING POLYCARBONATE-URETHANE MENISCAL IMPLANT: FROM BENCH TO CLINICAL PRACTICE</strong></td>
<td>Jonathan ELSNER, Gal ZUR, Eran LINDEER-GANZ, Vincenzo CONDELLO, Elliott HERSHAM, Claudio ZORZI, Farshid GUILAK, Avi SHERLING (Israel)</td>
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<td><strong>MINI-INVASIVE UNICOMPARTMENTAL KNEE ARTHROPLASTY</strong></td>
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Gustav BONTEMPS, Klaus SCHLÜTER-BRUST (Germany)

09:30-10:15  Coffee break

10:15-10:45  Plenary Lecture (in Congress Hall)
WAYS TO IMPROVE OUTCOME IN ORTHOPAEDIC SURGERY
Tommy HANSSON (Sweden)

10:45-12:15  Free Papers
Trauma  Foot / Ankle

Moderator: Ivan BUTKOVIC (Serbia)

25951  INDICATIONS FOR OPEN REDUCTION AND INTERNAL FIXATION IN INTRAARTICULAR CALCANEAL FRACTURES
Alexandre BELETSKY, Oleg KORZUN, Alexandre SITNIK, Alexandre LINOV (Belarus)

26215  FIXATION OF ANKLE SYNDENOSMOSIS BY ANTIBIOTIC RELEASING BIOABSORBABLE SCREW: A RANDOMIZED RSA TRIAL
Hannu ARO, Tatu MÄKINEN, Tatu IMMONEN, Satu TIMLIN, Niko MORITZ, Minna VEIRANTO, Pertti TORMALÄ (Finland)

25816  ANKLE FRACTURES: IMPACT OF SWELLING ON TIMING OF SURGERY, LENGTH OF HOSPITAL STAY AND THE ECONOMIC BURDEN
Mohamed SUKEIK, Qaffaf MOHAMED, Gail FERRIER (United Kingdom)

23996  TREATMENT OF PENETRATING FOOT INJURIES
Gershon VOLPIN, Emanuel SACAGIO, Albert GORSKI, Norman LOBERANT, Moshe DANIEL, Jack STOLERO, Haim SHTARKER (Israel)

23849  EVALUATION OF THE SYNDENSMOTIC-ONLY FIXATION FOR WEBER-C ANKLE FRACTURES ASSOCIATED WITH SYNDENSMOTIC INJURY
Riazuddin MOHAMMED, Shakir SYED, Asghar ALI (United Kingdom)

24459  RESULTS OF A CONSECUTIVE SERIES OF MORE THAN 70 CASES OF EXTENSOR DIGITORUM BREVIS FLAP FOR ANKLE AND FOOT RECONSTRUCTION
Christophe GAILLARD, André-Mathieu GAY, Natacha BERENI, Didier GUINARD, Régis LEGRE (France)
25603  JONES' FRACTURE OF THE FIFTH METATARSAL BASE OR AN AVULSION FRACTURE – DO WE REALLY NEED TO DISTINGUISH BETWEEN THEM?
Rahul KAKKAR, Pavel AKIMAU, Paul FEARON (United Kingdom)

23330  RESULTS OF CLOSED REDUCTION AND PERCUTANEOUS KIRSHNER WIRE FIXATION FOR THE TREATMENT OF INTRA-ARTICULAR CALCANEAL FRACTURES
Jean MICHEL, Charles COURT, Alain ASSELINEAU (France)

23313  THE AUGMENTATION USING POROUS HYDROXYAPATITE FOR INTRAARTICULAR CALCANEAL FRACTURES OF JOINT DEPRESSION TYPE
Jun-il YOO, Byung-Ki CHO, Yong-Min KIM, Seung-Whan BAE (Korea)

26447  THE FIBULAR NAIL: A BIOMECHANICAL STUDY
George SMITH, Robert WALLACE, Gordon FINDLATER, Timothy WHITE (United Kingdom)

25684  COMPRESSION ARTHRODESIS OF ANKLE JOINT AFTER SEVERE INJURIES
Victor VOLOSHIN, Gennadiy ONOPRIENKO, Vladimir ZUBIKOV, Anatoliy EREMIN, Saravanan ARUMUGAM (Russia)

26137  EPIDEMIOLOGY OF ANKLE FRACTURES IN SWEDEN 1987-2004
Charlotte KARLSSON-THUR, Gustav EDGREN, Tore DALEN, Per WRETENBERG (Sweden)

12:15-13:15  Closing Ceremony
Friday, 3 September  
Room F1

08:00-09:30  Free Papers

Orthopaedic Surgical Osseointegration Society (OSOS): Compressive osseointegration for endoprosthetic reconstruction

Moderator:  
Richard J. O’DONNELL (United States)

COMPRESSIVE OSSEOINTEGRATION: THE EXPERIENCE IN BELGIUM  
Ignace SAMSON (Belgium)

COMPRESSIVE OSSEOINTEGRATION OF PROXIMAL FEMORAL AND DIVERSE ANATOMIC LOCATIONS  
Rosanna L. WUSTRACK (United States)

COMPRESSIVE OSSEOINTEGRATION FOR DISTAL FEMORAL GIANT CELL TUMOR RECONSTRUCTION  
Rosanna L. WUSTRACK (United States)

COMPRESSIVE OSSEOINTEGRATION VERSUS CEMENTED STEM FIXATION FOR DISTAL FEMORAL RECONSTRUCTION: MATCHED COHORT STUDY WITH FIVE-YEAR FOLLOW-UP  
Andrew C. PEDTKE (United States)

THE EFFECTIVENESS OF ANTI-ROTATION PINS FOR THE COMPRESS® DEVICE: A BIOMECHANICAL STUDY  
Raffi S. AVEDIAN (United States)

GLOBAL ORTHOPAEDICS AND THE AMPUTEE PATIENT  
R. Richard COUGHLIN (United States)

09:30-10:15  Coffee break

10:15-10:45  Plenary Lecture (in Congress Hall)

WAYS TO IMPROVE OUTCOME IN ORTHOPAEDIC SURGERY  
Tommy HANSSON (Sweden)

10:45-12:15  Free Papers

Orthopaedic Surgical Osseointegration Society (OSOS): Bone anchored amputation prostheses

Moderator:  
Rickard BRÅNEMARK (Sweden)
26882  CLINICAL EXPERIENCE WITH ENDO-EXO-PROSTHESES
Thomas HOFFMEISTER (Germany)

26884  DIFFERENCES BETWEEN BONE ANCHORED AND
TRADITIONAL SOCKET PROSTHESES FOR TRANSFEMORAL
AMPUTEES
Eva HÄGGSTRÖM (Sweden)

26885  OSSEOINTEGRATION IN TRANSFEMORAL AMPUTEES.
SURGICAL ASPECTS AND CASE REPORTS
Örjan BERLIN (Sweden)

OSSEOINTEGRATION ON UPPER LIMB AMPUTEES.
PROSTHETIC TREATMENT AND OUTCOME
Kerstin CAINE-WINTERBERGER (Sweden)

RSA AND RADIOGRAPHIC EVALUATION OF
OSSEOINTEGRATED AMPUTATION PROSTHESES
Charles BRAGDON (United States)

26883  PROSTHETIC USE AND MOBILITY WITH TRANSFEMORAL
OSSEOINTEGRATED AMPUTATION PROSTHESIS, RESULTS
FROM THE OPRA STUDY
Kerstin HAGBERG (Sweden)

Concluding remarks
Rickard BRÅNEMARK (Sweden)

12:15-13:15  Closing Ceremony