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- **Arthroplasty Registers – The International Perspective** – Symposium
- **Arthroplasty** – Hip – Free Papers

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

**Room F1**
- **Tumours** – Giant Cells – Lecture & Free Papers
- **Trauma** – Knee – Lecture & Free Papers
- **Industry Symposia**
- **General Orthopaedics** – Free Papers
- **SOF / International Federation of Paediatric Orthopaedic Societies (IFPOS): Infections in Paediatric Orthopaedics** – Symposium

**Room F2**
- **Trauma** – Forearm / Wrist – Lecture & Free Papers
- **Treatment of fractures in the osteoporotic spine** – Symposium
- **Spine** – Free Papers
- **Industry Symposia**
- **Sports Medicine** – Ankle / Foot – Free Papers
- **Spine** – Surgery / Fusion – Lecture & Free Papers

**Room F4**
- **Biomaterials - Novel Strategies in Biomaterials and Regenerative Medicine** – Symposium
- **Biomaterials** – Lecture & Free Papers
- **Industry Symposia**
- **Tumours** – Soft Tissue / Sarcomas – Lecture & Free Papers
- **The Malunited Stiff Shoulder / Stiff Elbow** – Symposium

**Room F5**
- **Lessons from the Swedish Hip, Knee & Spine National Quality Registers** – Symposium

**Congress Hall**
- **European Federation of National Associations of Orthopaedics and Traumatology (EFORT): Musculoskeletal Polytrauma** – Symposium
- **Steven GARFIN** (United States) – Plenary Lecture
- **Japanese Orthopaedic Association (JOA): Surgical treatment for primary spinal infection** – Symposium
- **Industry Symposium**
- **Trauma** – Pertrochanteric Fractures – Lecture & Free Papers
- **Ian LEARMONTH** (United Kingdom) – Plenary Lecture

**Room H1**
- **Spine** – Spondylolisthesis / Low Back Pain / Basic Science – Free Papers
- **The Achilles tendon: Update on treatment of ruptures, late ruptures and tendinosis** – Symposium
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<td>Symposium IT &amp; Orthopaedics (until 16:30)</td>
<td>Lecture Free Papers Arthroplasty Hip – Acetabular Components</td>
<td>Symposium Rickets under the sun of Africa</td>
<td>Symposium SOF: Patientsäkerhetsarbete (in Swedish)</td>
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Congress Hall

09:00-12:00  **Instructional Courses**  
*MORE INFORMATION ON PAGE 38*

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 ADOLESCENTS WITH SEVERE OSTEONECROSIS**  
Takashi ATSUMI, Satoshi TAMAOKI, Ryosuke NAKANISHI, Eiji KATOH, Minoru WATANABE, Toshihisa KAJIWARA (Japan)

26843  **CURVED INTERTROCHANTERIC 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**
Tuesday, 31 August  
Room H1

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

*(More information on page 38)*

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 **Free Papers**

**Shoulder / Elbow**

*Moderators:*
Robert A. PEDOWITZ (United States)
Juri KARTUS (Sweden)

26530 **BONY BANKART IS A POSITIVE PREDICTIVE FACTOR AFTER PRIMARY SHOULDER DISLOCATION**
Björn SALOMONSSON, Anders VON HEIJNE, Mats DAHLBORN, Hassan ABBASZADEGAN, Susanne AHLSTRÖM, Nils DALEN, Ulf LILLKRONA (Sweden)

23092 **REHABILITATION OF PATIENTS WITH LOWER EXTREMITIES BONE NON-UNION AND DEFECTS**
Guseynali ISMAYLOV (Iran)

26588 **THE MORPHOLOGY OF HILL-SACHS LESIONS IN RELATION TO SOFT TISSUE AND BONY BANKART LESIONS ON MRI ARTHROGRAPHY**
Nnamdi OBI, Rouin AMIRFEYZ, Rebecca GRIGGS, Partha SARANGI, Charles WAKELEY, Alan DUNKLEY (United Kingdom)

25697 **REVISITING THE UK SHOULDER SURGEON’S APPROACH TO TRAUMATIC, ANTERIOR SHOULDER DISLOCATION IN THE YOUNG PATIENT**
Akshay MALHOTRA, Matthew FREUDMANN, Stuart HAY (United Kingdom)

22984 **A LONG TERM FOLLOW UP OUTCOME AFTER ARTHROSCOPIC ROTATOR CUFF REPAIR**
Umesh NAGARE, W.A. NIEZYWINSKI (United Kingdom)

23579 **ARTHROSCOPIC REMOVAL OF CALCIUM DEPOSIT IN SHOULDER**
Kayvan NOJOOMI (United Arab Emirates)
FUNCTIONAL & CLINICAL OUTCOME AFTER SURGICAL REPAIR OF FULL-THICKNESS ROTATOR CUFF TEAR USING A MINI-OPEN TECHNIQUE
Umesh NAGARE, Mohammad MAQSOOD (United Kingdom)

BROKEN SHOULDER PROBE DURING ARTHROSCOPIC SUBACROMIAL DECOMPRESSION – REPORT & TECHNICAL TIP
Atanu BHATTACHARJEE, A. YEWLETT, R. KULKARNI (United Kingdom)

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

Moderators:
Luis LOPEZ-DURAN STERN (Spain)
Johan KÄRRHOLM (Sweden)

POLYETHYLENE, CURRENT CLINICAL RESULTS AND FUTURE POTENTIAL
Henrik MALCHAU, Charles BRAGDON (United States)

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

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

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

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)
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 CLOHSY, Richard WHITE, Victor GOLDBERG, Craig DELLA VALLE, Daniel BERRY, Bryan JARRETT, William HARRIS (United States)

PREVENTION OF IMPINGEMENT IN TOTAL HIP ARTHROPLASTY BY NECK MODULARITY: DOES IT WORK IN PRACTICE?
Damian GRIFFIN (United Kingdom)

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)

FROM LFA (LOW FRICTION ARTHROPLASTY) TO MOM (METAL ON METAL) ARE WE ANY BETTER?
Maher HALAWA, Mahmoud ABDEL KARIM (United Kingdom)

STABILITY OF UNCEMENTED 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)

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)

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)

Opening Ceremony & Welcome Reception
(in Congress Hall)
Tuesday, 31 August  
Room G4

09:00-12:00 **Instructional Courses**  
*(More information on page 38)*

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 **Lecture**  
**Free Papers**

**Cartilage Repair**

*Moderators:*
Wayne AKESON (United States)  
Mats BRITTBERG (Sweden)

**CARTILAGE REPAIR**
Wayne AKESON (United States)

23805 **TREATMENT OF OSTEOARTHRITIS WITH INFRA PATELLAR FAT PAD DERIVED MESENCHYMAL STEM CELLS IN RABBIT**
Seifollah DEHGHANI NAZHVANI, Abasali GHADERI, Fatemeh Sadat TOGHRAEI, M.A. G HOLIPOOR, Niloofar CHENARI, Simin TORABINEZHAD (Iran)

25218 **MICROFRACTURE OF THE KNEE: A META-ANALYSIS OF SIXTEEN STUDIES**
Lukas L. NEGRIN, Vilmos VÉCSEI (Austria)

26542 **TREATMENT OF PATELLOFEMORAL ARTICULAR CARTILAGE LESIONS WITH CHONDROCELECT® IN A COMPASSIONATE USE PROGRAMME**
Karl Fredrik ALMQVIST¹, Johan VANLAUWE¹, Daniel SARIS², Johan BELLEMANS¹, René VERDONK¹  
¹(Belgium), ²(Netherlands)

25789 **THE COMPARISON OF THE PEDUNCULATED SYNOVIAL GRAFT WITH PERIOSTEAL GRAFT AFTER ARTICULAR CARTILAGE DEFECTS IN THE RABBITS**
Ismail TUNCAY, Aytekin KARAMAN, Huseyin DEMIRORS, Rahmi AKGUN, Ilhami KURU (Turkey)
25042 PROGENITOR/CELLULAR MIGRATION AND MATRIX INTERACTIONS IN RESPECT TO STEM CELL Niches WITHIN THE MAMMAL INTERVERTEBRAL DISC REGION. A STUDY IN THREE SPECIES
Helena BRISBY, Helena BARRETO HENRIKSSON, Emilia SVALA, 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 KREN, 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

Moderators:
Jochen EULERT (Germany)
Christa KITZ (Germany)

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

GENETICS AND GENE-ENVIRONMENT INTERACTIONS
Franz JAKOB (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, Franz JAKOB (Germany)

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

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

*(More information on page 38)*

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:**
*Senior Swedish Orthopaedic Association: The History and Benefit of Total Joint Replacement Registries*

*Moderator:*
Bertil ROMANUS (Sweden)

**KNEE**
Lars LIDGREN (Sweden)

**HIP**
Peter HERBERTS (Sweden)

**ANKLE**
Anders HENRICSON (Sweden)

**ICLH RESURFACING EXPERIENCE (1978-84), AS SEEN IN THE HIP REGISTER**
Bertil ROMANUS (Sweden)

15:00-15:30 **Coffee break**

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

**SOF:**
*Patientsäkerhetsarbete (in Swedish)*

*Moderator:*
Göran MODIN (Sweden)

**SÄKER KOMMUNIKATION**
Michael SJÖÖ (Sweden)
ERFARENHETER AV SBAR
(SITUATIONBAKGRUNDAKTUELLTREKOMMENDATION)
Elisabeth HADDLETON (Sweden)

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

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

*(More information on page 38)*

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)

Sune LARSSON, Johan SCHEER, Jan TIDERMARK, Michael SUNDFELDT, Anders EKELUND (Sweden)

15:00-15:30 **Coffee break**

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

**Arthroplasty**

Shoulder / Elbow

*Moderators:*
Frédéric SCHUIND (Belgium)
Andre STARK (Sweden)

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

23837 **INADEQUATE INSERTION OF TOTAL ELBOW REPLACEMENTS**
Steven BORLAND, Mohan RAO, John FRASER (United Kingdom)
MOTION ANALYSIS OF THE SHOULDER AFTER A REVERSE SHOULDER PROSTHESIS
T.D.W. ALTA¹, J.M.H. BERGMANN², T.W.J. JANSSSEN¹, H.E.J. VEEGER¹, B.J. BURGER¹, W.J. WILLEMS¹
¹(Netherlands), ²(United Kingdom)

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)

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

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

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

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

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)

PROSTHETIC OVERHANG MOST EFFECTIVE WAY TO PREVENT SCAPULAR CONFLICT IN REVERSE TOTAL SHOULDER PROSTHESIS
Pieter BEEKMAN¹, Lieven DE WILDE¹, Didier PONCET², Anders EKELUND³
¹(Belgium), ²(France), ³(Sweden)

Opening Ceremony & Welcome Reception
(in Congress Hall)
# Tuesday, 31 August

## Room F4

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>09:00-12:00</td>
<td><strong>Instructional Courses</strong>&lt;br&gt;<em>(More information on page 38)</em></td>
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<tr>
<td>12:00-13:00</td>
<td><strong>Lunch</strong></td>
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<tr>
<td>13:00-13:30</td>
<td><strong>Plenary Lecture</strong> <em>(in Congress Hall)</em></td>
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|            | **EVIDENCE-BASED ORTHOPAEDICS: HOW FAR HAVE WE COME?**  
|            | Mohit BHANDARI (Canada)                      |
| 13:30-15:00| **Lecture** *Free Papers*                   |
|            | **Trauma**<br>**Multitrauma**                |
|            | *Moderators:*  
|            | Thamer A. HAMDAN (Iraq)                      |
|            | Michael MÖLLER (Sweden)                      |
| 26864      | **26 YEARS EXPERIENCE WITH MISSILE INJURIES OF THE LIMBS**  
|            | Thamer A. HAMDAN (Iraq)                      |
| 26576      | **THE RELATIONSHIP BETWEEN TIME TO SURGICAL DEBRIDEMENT AND INCIDENCE OF INFECTION IN GRADE III OPEN FRACTURES**  
|            | Jagwant SINGH, Z. HASHIM, S. MARWAH, R. RAMAN, H.K. SHARMA (United Kingdom) |
| 25447      | **NEW INJURY SEVERITY SCORE: A MORE RELIABLE ASSESSMENT TOOL IN PREDICTING MORBIDITY AND MORTALITY IN MUSCULOSKELETAL INJURIES COMPARED TO INJURY SEVERITY SCORE?**  
|            | Raj NIRMAL, Vel RAJAN SHAKTHI, Vijay GONI (India) |
| 24603      | **COMPARISON OF CLINICAL RESULTS OF OPERATIVE INTERNAL FIXATION AND CONSERVATIVE RESPIRATORY TREATMENT FOR FLAIL CHEST WITH MULTIPLE FRACTURES OF THE RIBS**  
|            | Takaaki KURODA, Masanari AONO, Kenichi KAZUKI, Atsushi OKANO, Toshinori MIYAICHI, Tetsushi KUBOTA, Akihiro FUKE (Japan) |
| 25154      | **QUALITY OF LIFE CHANGES DURING TWO YEARS AFTER PELVIC AND ACETABULAR FRACTURE SURGERY**  
|            | Tomas BORG, Sune LARSSON (Sweden)            |
| 25506      | **DAMAGE CONTROL ORTHOPAEDIC SURGERY FOR FEMORAL FRACTURES IN POLYTRAUMA PATIENTS** |
Olivera LUPECU, Mihail NAGEA, Gheorghe Ion POPESCU, Cristina PATRU, Cornelia VASILACHE, Doriana LUPECU (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)

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

STEM CELLS – CONCEPT AND APPLICATIONS IN ARTICULAR CARTILAGE
Mats BRITTEBERG (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 EULERT, Maximilian RUDERT (Germany)

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

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<td>08:00-09:30</td>
<td>Symposum</td>
<td>Free Papers Trauma</td>
<td>Free Papers Arthroplasty</td>
<td>Lecture</td>
<td>Free Papers Tumours</td>
<td>Symposium Biomaterials</td>
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<td>Trauma –</td>
<td>Trauma Shoulder/Elbow</td>
<td>Knee</td>
<td>Giant Cells</td>
<td>Trauma Forearm/Wrist</td>
<td>- Novel Strategies in Biomaterials and</td>
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<td>Symposium Improvement of knee prosthetic</td>
<td>Free Papers Trauma</td>
<td>Lecture</td>
<td>Symposium Treatment of fractures in the</td>
<td>Free Papers Biomaterials</td>
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<td>Free Papers Arthroplasty</td>
<td>Free Papers Trauma</td>
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<td>Free Papers Spine</td>
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Wednesday, 1 September
Congress Hall

08:00-09:30 Symposium

Trauma - Proximal Femoral Fractures

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

PIPKIN-FRACTURE
Tomas BRAUNSTEINER (Austria)

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

26805 PROSTHETIC REPLACEMENT AFTER FEMORAL NECK FRACTURE – TOTAL- OR HEMIARTHROPLASTY?
James WADDELL (Canada)

SLIDING PLATE OR INTRAMEDULLARY NAIL?
Peter BIBERTHALER (Germany)

SUBTROCHANTERIC FRACTURES
Reinhard SCHNETTLER (Germany)

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

Moderators:
Michael WROBLEWSKI (United Kingdom)
Nils HAILER (Sweden)

25876 CHARNLEY 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)

26800 METAL ON METAL HIP RESURFACING; THE MECHANISM OF FAILURE
Michael WROBLEWSKI (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 TARASEVICIUS¹, Uldis KESTERIS², Otto ROBERTSSON², Alfredas SMAILYS¹, Hans WINGSTRAND²
¹(Lithuania), ²(Sweden)

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

26070 A DECENNIAL EXPERIENCE IN TOTAL HIP REPLACEMENT USING ALTIMED IMPLANTS
Ivan MINAKOUSKI, Alexandre BELETSKY, 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 JOHANSON¹, Anne Marie FENSTAD³, Ove FURNES², Göran GARELLICK¹, Leif HAVELIN², Sören OVERGAARD³, Alma PEDERSEN³, Johan KÄRRHOLM¹
¹(Sweden), ²(Norway), ³(Denmark)

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

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

12:15-13.00 **Biomet (in Room J1):**
*Signature, Patient Specific Instrumentation in TKA*

*Moderator:*
Emmanuel THIENPONT (Belgium)

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

*Moderator:*
Wim FLEISCHMANN (Netherlands)

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)
08:00-09:30  **Free Papers**

### Trauma
#### Shoulder / Elbow

*Moderators:*
Per OLERUD (Sweden)
Michael ULLMAN (Sweden)

25608  **PROXIMAL HUMERAL FRACTURE FIXATION – DOES THE IMPLANT MATTER?**  
Rahul KAKKAR, R. KAKWANI (United Kingdom)

23183  **THE USE OF LOCKING PLATES IN PROXIMAL HUMERAL FRACTURES: COMPARISON OF OUTCOME BY PATIENT AGE AND FRACTURE PATTERN**  
Uthman ALAO, Michael LEONARD, Aaron GLYNN, Mark DOLAN, Pat FLEMING (Ireland)

26317  **SURGICAL TREATMENT FOR NON-UNION OF THE MID-SHAFT CLAVICLE: ANALYSIS OF THE LONG-TERM RESULTS**  
Teng-Le HUANG, Horng-Chaung HSU, Ching Chieh YANG, Jiunn-Jer WU, Hsiu-Chen LIN, Hong-Wen WU (Taiwan)

23490  **CLAVICLE NAILING – A STUDY OF 40 CASES**  
Amit AGARWAL (India)

25193  **CORACOCLAVICULAR SUTURE ANCHOR FIXATION FOR ACUTE ACROMIOCLAVICULAR JOINT INURY AND LATERAL END CLAVICLE FRACTURES – OUR EXPERIENCE IN 23 PATIENTS**  
Sitaram GIRI, K. KATAM, Paresh SONSAL (United Kingdom)

23388  **EXTERNAL ROTATION SPLINT TO PREVENT RECURRENCE IN YOUNG ANTERIOR SHOULDER DISLOCATORS**  
Santosh VENKATAChALAM, Roland PRATT (United Kingdom)

25694  **MINOR SHOULDER INSTABILITY COMBINED WITH SUBACROMIAL IMPINGEMENT. INTRA-ARTICULAR PATHOLOGY PRESENTING EXTRA-ARTICULAR SYMPTOMS**  
Ulf NORDENSON¹, Raffaele GAROFALO², Marco CONTI², Jennie CLASSON¹, Eva LINGER¹, Jön KARLSSON¹, Alex CASTAGNA²  
¹(Sweden), ²(Italy)
A RANDOMISED CONTROLLED TRIAL COMPARING A LOCKING PLATE WITH NON-OPERATIVE TREATMENT IN ELDERLY PATIENTS WITH A DISPLACED 3-PART PROXIMAL HUMERAL FRACTURE
Per OLERUD, Leif AHRENGART, Sari PONZER, Jenny SAVING, Jan TIDERMARK (Sweden)

Coffee break

Plenary Lecture (in Congress Hall)

INTERNATIONAL COLLABORATION BEYOND THE CULTURE GAP
Shinichi KIKUCHI (Japan)

Symposium

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

Moderator:
Lars LIDGREN (Sweden)

Introduction – Pros and Cons TKA
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)

Industry Symposia

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

Moderator:
Emmanuel THIENPONT (Belgium)
12:15-13:30 KCI (in Room F3):
What is the value of negative pressure (wound) technology in orthopaedic surgery? Are there new developments?

Moderator:
Wim FLEISCHMANN (Netherlands)

13:30-15:00 Lecture Free Papers

Trauma Elbow

Moderators:
Haim SHTARKER (Israel)
Hans WINGSTRAND (Sweden)

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 BURKHART¹, Stefaan NIJS², Stefan MATTYASOVSKÝ¹, Dominik GRUSZKA¹, Pol ROMMENS¹, Lars MÜLLER¹
¹(Germany), ²(Belgium)

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)

25559 TENSION BAND WIRING FOR OLECRANON FRACTURE. SHOULD WE ROUTINELY REMOVE THE METALWORK?
Syah BAHARI, Muhtagta AMIN, Seamus MORRIS, Joseph SPARKES (Ireland)

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

15:00-15:30 Coffee break

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

16:00-16:30 Symposium
Arthroplasty Registers – The International Perspective
Moderator: Johan KÄRRHOLM (Sweden)
THE CLINICAL SIGNIFICANCE OF NATIONAL THA REGISTRIES – WHAT CAN WE LEARN?
Henrik MALCHAU (United States)

16:30-17:45 Free Papers
Arthroplasty Hip
Moderators: Jean-Pierre COURPIED (France)
Johan KÄRRHOLM (Sweden)

25797 BEHAVIOR OF ISOELASTIC FEMORAL STEMS – LONG-TERM FOLLOW-UP RESULTS
Gennady KUROPATKIN (Russia)

25315 A PROSPECTIVE COMPARISON OF FEMORAL PERIPROSTHETIC STRESS-SHIELDING IN PATIENTS IMPLANTED WITH 4/5TH AND 1/3RD POROUS COATED CEMENTLESS FEMORAL STEMS
Vijay KUMAR, Rajesh MALHOTRA (India)

25871 THE IMPORTANCE OF ADEQUATE STEM ANTEVERSION FOR ROTATIONAL STABILITY IN THA. AN RSA STUDY WITH 10 YEARS FOLLOW UP
Sverrir KIERNAN, Leif RYD, Gunnar FLIVIK (Sweden)
25602  REVISION TOTAL HIP ARTHROPLASTY: A CEMENTLESS MODULAR STEM COMPARED WITH CEMENTED LONG-STEM PROSTHESES. A POPULATION-BASED STUDY FROM THE SWEDISH HIP ARTHROPLASTY REGISTER
Rüdiger WEISS, André STARK, Johan KÄRRHOLM (Sweden)

25833  BONE REMODELING AROUND SLPS (SELF LOCKING POROUS SYSTEM) CEMENTLESS HIP JOINT ENDOPROSTHESIS WITH PROXIMAL POROUS TITANIUM INSERTS
Aliaksei MASLAU, Alexander RUTSKY, Oleg NAVRAS (Belarus)

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
Room G4

08:00-09:30 Free Papers

Arthroplasty
Knee

Moderators:
Jacques CATON (France)
Jorma STYF (Sweden)

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 Pateellar 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 Pateellar Tracking in Total Knee Arthroplasty
Raman THAKUR¹, Ajit DESHMUKH², Panagopoulos GEORGIAD, Jose RODRIGUEZ²
¹(United Kingdom), ²(United States)

26214 Femoral Size is Rotation Dependent
Emmanuel THIENPONT (Belgium)
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<td>EX VIVO STABILITY LOSS OF HIGHLY CROSS LINKED ULTRA-HIGH MOLECULAR WEIGHT POLYETHYLENE (UHMWPE)</td>
<td>Orhun MURATOGLU, Keith WANNOMAE, Shannon ROWELL, Brad MICHELI, Henrik MALCHAU</td>
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<td>25620</td>
<td>DRAINS AND TOTAL KNEE REPLACEMENTS – DO WE REALLY NEED THEM?</td>
<td>Rahul KAKKAR, M.J. DAWSON</td>
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<td>25762</td>
<td>COMPARISON OF TOURNIQUET VERSUS NON-TOURNIQUET IN TOTAL KNEE ARTHROPLASTY; A META-ANALYSIS</td>
<td>Ilhan ALCELIK, Mohamed SUKEIK, Raymond POLLOCK, Josette BETTANY-SALTIKOV, Anand MISRA, Patrick ARMSTRONG</td>
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<td>10:15-10:45</td>
<td>Plenary Lecture <em>(in Congress Hall)</em></td>
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<td>26869</td>
<td>INTERNATIONAL COLLABORATION BEYOND THE CULTURE GAP</td>
<td>Shinichi KIKUCHI</td>
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<td>10:45-12:15</td>
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<td>25624</td>
<td>MANAGEMENT OF THE HUMERAL FRACTURE NON-UNION. OUR EXPERIENCE</td>
<td>Konstantinos TSITSKARIS, Muhammad RASHID, Mohit BANSAL, Joydeep SINHA, Adel TAVAKKOLIZADEH, Graeme GROOM</td>
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<td>FUNCTIONAL OUTCOME OF PROXIMAL HUMERUS FRACTURE TREATED BY PHILOS PLATE</td>
<td>Munnan AL-NAJJIM, Abubaker MUSTAFA, Stephen LIPSCOMBE, Mohammed WASEEM</td>
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<td>23368</td>
<td>MANAGEMENT OF GUNSHOT INJURIES OF THE HUMERUS</td>
<td>Imran SHAH, Mohammad Ali SHAH, Junaid SHAH, Saeed ALAM</td>
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<td>25680</td>
<td>MINIMALLY INVASIVE METHODS OF SURGICAL TREATMENT FOR INJURIES OF THE UPPER EXTREMITY IN CHILDREN</td>
<td>Mikhail GERASIMENKO, Alexandre BELETSKY, Stanislau TRATSIAK, Mikhail KOREN, Viktor GURKO</td>
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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)

23467  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. Musa WARDAK (Afghanistan)

26004  EXTRA-ARTICULAR DISTAL HUMERAL FRACTURES TREATED WITH RETROGRADE HALDER HUMERAL NAIL
Anish KADAKIA, Ben BROOKE, Sunil PAI, Subhash C. HALDER (United Kingdom)

24925  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)

Industry Symposia

12.15-13.00  **Biomet (in Room J1): Signature, Patient Specific Instrumentation in TKA**
*Moderator:*
Emmanuel THIENPONT (Belgium)

12:15-13:30  **KCI (in Room F3): What is the value of negative pressure (wound) technology in orthopaedic surgery? Are there new developments?**
*Moderator:*
Wim FLEISCHMANN (Netherlands)

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

**Trauma**
**Upper Femur**

*Moderators:*
Vilmos VÉCSEI (Austria)
Karl-Göran THORNGREN (Sweden)

**TREATMENT OF FEMORAL NECK FRACTURES**
Vilmos VÉCSEI (Austria)
DISLOCATION AND REOPERATION RATE IN UNIPOLAR AND BIPOLAR EXETER HIP HEMIARTHROPLASTY IN PATIENTS WITH FEMORAL NECK FRACTURES
Lasse Lapidus, Carl Johan Hedbäck, Hans Törnvist, Anders Enocson (Sweden)

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, Nils Dalén (Sweden)

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)

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)

BACKGROUND FACTORS IN YOUNG PATIENTS WITH FEMORAL NECK FRACTURES
Amer Al-Ani, Bodil Samuelsson, Wilhelmina Ekström, Richard Bломfeldt, Gustav Neander, Jan Tidermark, Margareta Hedström (Sweden)

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

RESULTS AFTER CERVICAL HIP FRACTURE, A RETROSPECTIVE STUDY AT SÖDRA ÄLVSBORG (SÄS) BORAS
Vasileios Sarakatsianos, Michael Möller (Sweden)

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

THE ROLE OF PFNA BLADE IN THE TREATMENT OF FEMORAL NECK FRACTURES
László Gera, Tamás Bányai, Levente Pócs (Hungary)
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

Moderators:
Galal Zaki SAID (Egypt)
Magnus KARLSSON (Sweden)

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

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

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

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

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 TÄGIL¹, Per BOSEMARK¹, Hanna ISAKSSON²
¹(Sweden), ²(Finland)

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

RESULTS OF FRACTURE TIBIA USING DCP IMPLANT WITH MIPO METHOD AND TECHNOLOGY
Sanjib Kumar BEHERA (India)

ARTHROSCOPIC-ASSISTED OSTEOSYNTHESIS OF TIBIAL PLATEAU FRACTURES
Oleg BONDAREV, Alexandre SITNIK, Alexandre BELETSKY (Belarus)

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, James LIVINGSTONE, Roger ATKINS, Mark JACKSON (United Kingdom)

MICROSURGICAL TRANSPLANTATION OF COMPLEX VASCULARIZED FIBULAR GRAFT IN TREATMENT OF PATIENTS WITH LONG BONES DEFECTS
Igor KURINNYI, Sergiy STRAFUN, Oleksandr STRAFUN (Ukraine)
**Wednesday, 1 September**  
**Room F1**

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**Tumours**  
**Giant Cells**

*Moderators:*
- Dariush GOURAN SAVADKOOHI (Iran)
- Björn GUNDERBERG (Sweden)

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<td>CLINICAL ASPECTS AND PROGNOSTIC FACTORS OF GIANT CELL TUMOURS OF BONE</td>
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<td>Miklós SZENDRÕI, Zoltán SÁPI, Imre ANTAL (Hungary)</td>
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<td>24344</td>
<td>MOLECULAR PATHOGENESIS OF THE GIANT CELL TUMOR OF THE BONE</td>
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<td>Yangguan WU¹, Jen Gwang HSIU¹, Kenneth SOMERS¹, Edward YANG¹, Anming CHEN²</td>
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<td>¹(United States), ²(China)</td>
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<td>24360</td>
<td>OSSIFYING MASS: BENIGN TUMOR OR MINERALIZING MALIGNANT SOFT TISSUE TUMOR – DIAGNOSTIC DILEMMA &amp; MANAGEMENT</td>
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<td>Ashok KUMAR, Akram JAWED, Shah KHAN, Chandra YADAV, Shishir RASTOGI (India)</td>
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<td>CLINICAL, X-RAY AND HISTOLOGICAL DIAGNOSTICS OF STERNUM NEOPLASMS AND THEIR SURGICAL TREATMENT</td>
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<td>Ludmila PASHKEVICH, Iosif VORONOVIČ, Ihar SHPILEUSKI (Belarus)</td>
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<td>MANAGEMENT OF GIANT CELL TUMOR OF LOWER END OF RADIUS: A COMPARATIVE STUDY</td>
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<td>Saranatra WAIKAKUL (Thailand)</td>
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<td>INDICATION AND RESULTS OF EN BLOCK RESECTION IN AGGRESSIVE GIANT CELL TUMOR (GCT): 20-YEARS PERIOD STUDY</td>
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<td>Dariush GOURAN SAVADKOOHI, Babak SIAVASHI, Seyyed Siamak REZANEZHAD, Mozghan SEIFI, Mohammad GOURAN SAVADKOOHI (Iran)</td>
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<td>GIANT CELL TUMOUR OF THE DISTAL RADIUS: WIDE RESECTION AND RECONSTRUCTION BY NON-VASCULARISED PROXIMAL FIBULAR AUTOGRRAFT</td>
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<td>Ayman BASSIONY (Egypt)</td>
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25735  SURGERY OF GIANT-CELL TUMORS (GCT)  
Alekh KEZLIA, Ivan CHARHOVICH, Vladislav ERMOLOVICH, Alexander BENKO, Konstantine CHACHELKO (Belarus)

23211  CRYOSURGERY AND IMPACTION SUBCHONDRALE BONE GRAFT FOR THE TREATMENT OF GIANT CELL TUMOR AROUND THE KNEE  
Ayman BASSIONY, Mohamed ABDEL RAHMAN, Hisham SHALABY, Mohamed ASSAL (Egypt)

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)

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

Moderators:  
Gershon VOLPIN (Israel)  
Mikael SUNDFELDT (Sweden)

PERIPROSTHETIC FRACTURES FOLLOWING TOTAL HIP AND KNEE REPLACEMENT  
Gershon VOLPIN (Israel)

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

24052  CROSS-LEG FLAP: ITS ROLE IN LIMB SALVAGE  
Narayana Prasad KARAKKAD, Sambathkumar BALAKRISHNAN (India)
26411 THE ILIZAROV EXTERNAL FIXATOR A USEFUL TREATMENT ALTERNATIVE FOR THE TREATMENT OF PROXIMAL TIBIAL FRACTURES
Telmo DE OLIVEIRA RAMOS, Jón KARLSSON, Lars NISTOR (Sweden)

25910 ARTHROSCOPIC-ASSISTED SURGICAL TECHNIQUE FOR TREATING PATELLA FRACTURES
Waleed ARAFAT, Nehad MAHBOUB (Egypt)

26069 SURGICAL TREATMENT OF AVULSION FRACTURE OF POSTERIOR CRUCIATE LIGAMENT: OUR EXPERIENCE
Vijay SHARMA, Kamran FAROOQUE, Purva MATHUR (India)

26412 TIBIAL PLATEAU FRACTURE REPAIRS AUGMENTED WITH CALCIUM PHOSPHATE CEMENT HAVE HIGHER IN SITU FATIGUE STRENGTH THAN THOSE WITH AUTOGR AFT
Amir MATITYAHU, Erik MCDONALD, Thomas CHU, Michael TUFAGA, Meir MARMOR, Ravinder SINGH, Duran YETKINLER, Jenni BUCKLEY, R. Trigg MCCLELLAN (United States)

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)

Industry Symposia

12.15-13.00 Biomet (in Room J1):
Signature, Patient Specific Instrumentation in TKA

Moderator:
Emmanuel THIENPONT (Belgium)

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

Moderator:
Wim FLEISCHMANN (Netherlands)

13:30-15:00 Free Papers

General Orthopaedics

Moderators:
Anthony HALL (United Kingdom)
Sari PONZER (Sweden)
A LONGITUDINAL RANDOMIZED STUDY OVER ORTHOPAEDIC APPLIANCE OF A GROUP OF DIABETES PATIENTS AT RISK – BASELINE RESULTS
Ulla TANG, Roland ZÜGNER, Roy TRANBERG, Bjarne MILLESTEN (Sweden)

INTEGRATED CARE PATHWAYS IN TOTAL JOINT ARTHROPLASTY – ARE THEY EFFECTIVE? THE CAMBRIDGE EXPERIENCE
Shruti RAUT, Christian MERTES, Vikas KHANDUJA (United Kingdom)

TREATMENT OF PATIENTS WITH PSEUDARTHROSES AND BONE DEFECTS WITH THE METHOD OF TRANSOSSEOUS OSTEOSYNTHESIS AFTER ILIZAROV
Dmitry BORZUNOV (Russia)

RANDOMISED CONTROLLED TRIAL OF THE USE OF TOPICAL APPLICATION OF TRANEXAMIC ACID IN TOTAL HIP REPLACEMENT
Sattar ALSHRYDA, Praveen SHARDA, Antoni NARGOL, S. MAHESWARAN, Chris TULLOCH, Anjani SINGH, S. LAKKOL, James MASON (United Kingdom)

MINIMAL INVASIVE TOTAL KNEE ARTHROPLASTY WITH OR WITHOUT NAVIGATION SYSTEM: A PROSPECTIVE, RANDOMIZED STUDY
Kang-Il KIM, Dae-Kyung BAE, Kye-Youl CHO, Seung-Mok SHIN (Korea)

PERIOPERATIVE CELECOXIB ADMINISTRATION FOR PAIN MANAGEMENT AFTER TOTAL KNEE ARTHROPLASTY A DOUBLE-BLIND, RANDOMIZED CONTROLLED STUDY
Ching-Chuan JIANG (Taiwan)

THE IMPACT OF SMOKING ON COMPLICATIONS AFTER OPERATIVELY TREATED ANKLE FRACTURES – A FOLLOW-UP STUDY ON 906 PATIENTS
Hans NÄSELL, Sari PONZER, Hans TÖRNKVIST, Johannes LINDÉ, Carin OTTOSSON (Sweden)

15:00-15:30 Coffee break

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

GLOBAL CHALLENGES IN ORTHOPAEDICS
Cody BÜNGER (Denmark)
**Symposium**

**SOF / International Federation of Paediatric Orthopaedic Societies (IFPOS):**

*Infections in Paediatric Orthopaedics*

**Moderator:**
Hanne HEDIN (Sweden)

**NEONATAL INFECTIONS**
Henrik DÜPPE (Sweden)

26822 **SPINE INFECTIONS IN CHILDREN**
David ARONSSON (United States)

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

26824 **LATE SEQUELAE OF INFECTIONS**
Patricia FUCS (Brazil)

**INFECTIONS IN BONE AND JOINTS CAUSED BY TUBERCULOSIS AND FUNGHI – TREATMENT**
George THOMPSON (United States)
Wednesday, 1 September
Room F2

08:00-09:30  Lecture  Free Papers

Trauma
Forearm / Wrist

Moderators:
Frédéric SCHUIND (Belgium)
Richard WALLENSTEN (Sweden)

NEW TECHNIQUES OF OSTEOSYNTHESIS OF DISTAL RADIUS FRACTURES – WHAT IS THE EVIDENCE?
Frédéric SCHUIND (Belgium)

25674  INFLUENCE OF THE TYPE OF TREATMENT FOLLOWING DISTAL RADIUS FRACTURE ON THE QUALITY OF LIFE
Klaudiusz KOSOWSKI, Wieslaw WISNIEWSKI, Leszek ROMANOWSKI (Poland)

26128  VOLAR LOCKING PLATES; WHAT IS THE MINIMUM NUMBER OF LOCKING UNITS NEEDED FOR ADEQUATE FIXATION?
Santosh BALIGA, Alan JOHNSTONE (United Kingdom)

22866  RADIOLOGICAL OUTCOMES OF DISTAL RADIUS EXTRA-ARTICULAR FRAGILITY FRACTURES TREATED WITH EXTRA-FOCAL KIRCHNER WIRES
Cian KENNEDY, Muiris KENNEDY, Aiden DEVITT (Ireland)

26067  MECHANISMS OF TFCC INJURY IN COLLES’ FRACTURES
Johan SCHEER, Lars ADOLFSSON (Sweden)

24389  COMPLICATIONS OF PALMAR LOCKING PLATE SYSTEM FOR DISTAL RADIUS FRACTURES
Yoshiki OKUDA (Japan)

24556  12 MONTH FOLLOW-UP OF 115 INTRAARTICULAR DISTAL RADIUS FRACTURES OPERATED WITH A DORSAL PI-PLATE AND A VOLAR T-PLATE
Daniel REISER, Örjan WALLGREN, Kurt PETTERSSON (Sweden)

25898  A NEW POLYAXIAL DISTAL RADIUS LOCKING PLATE (VARIAX®); EXPERIENCE WITH FIRST 100 CASES
Vasudev SHANBHAG, S. MALEK, N. VANNET, D. NEWINGTON, I.D. RUSSELL (United Kingdom)
COMPARATIVE EVALUATION OF POST-REDUCTION INTRA-ARTICULAR DISTAL RADIUS FRACTURES BY RADIOGRAPHS AND MULTI DETECTOR COMPUTED TOMOGRAPHY WITH MULTIPLANAR AND THREE DIMENSIONAL RECONSTRUCTIONS AND ITS IMPACT ON TREATMENT
Sumit BATRA, V.K. SHARMA, Sumit ARORA, S.B. GROVER (India)

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 YOSHIKAWA (Japan)

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

Coffee break

Plenary Lecture (in Congress Hall)

INTERNATIONAL COLLABORATION BEYOND THE CULTURE GAP
Shinichi KIKUCHI (Japan)

Symposium

Treatment of fractures in the osteoporotic spine

Moderator:
Paul GERDHEM (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 SANDÉN (Sweden)
11:30-12:15 **Free Papers**

**Spine**

*Moderators:*
Katsuji SHIMIZU (Japan)
Paul GERDHEM (Sweden)

23589 **A RANDOMIZED TRIAL (FREE) OF BALLOON KYPHOPLASTY AND NONSURGICAL CARE FOR PATIENTS WITH ACUTE VERTEBRAL COMPRESSION FRACTURES: TWO YEAR RESULTS**
Jan VAN MEIRHAEGHE¹, Douglas WARDLAW², Leonard BASTIAN³, Steven BOONEN¹
¹(Belgium), ²(United Kingdom), ³(Germany)

25361 **PSEUDARTHROSIS FOLLOWING OSTEOPOROTIC VERTEBRAL COMPRESSION FRACTURE**
Ramprasad KANCHERLA, Aravind JAYASWAL (India)

23891 **POSTERIOR AND ANTERIOR/POSTERIOR SURGERY IN THORACOLUMBAR VERTEBRA FRACTURES: A COMPARATIVE STUDY**
Mehmet BALIOGLU, Umit AYKUT, Alper KOKSAL (Turkey)

24941 **PERCUTANEOUS AUGMENTED INSTRUMENTATION OF UNSTABLE THORACO-LUMBAR BURST FRACTURES**
Nimrod RAHAMIMOV, Hani MULLA, Adi SHANI, Shay FREIMAN (Israel)

**Industry Symposia**

12:15-13.00 **Biomet (in Room J1):**
*Signature, Patient Specific Instrumentation in TKA*

*Moderator:*
Emmanuel THIENPONT (Belgium)

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

*Moderator:*
Wim FLEISCHMANN (Netherlands)
13:30-15:00 Free Papers

Sports Medicine
Ankle / Foot

Moderators:
Chadwick SMITH (United States)
Jón KARLSSON (Sweden)

25724 ACUTE ACHILLES TENDON RUPTURE: A RANDOMIZED, CONTROLLED STUDY COMPARING SURGICAL AND NON-SURGICAL TREATMENTS USING VALIDATED OUTCOME MEASURES
Katarina NILSSON HELANDER, Karin GRÄVARE SILBERNAGEL, Roland THOMEÉ, Eva FAXÉN, Nicklas OLSSON, Bengt I. ERIKSSON, Jón 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 FAHLLGREN, 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 SUBCALKANEAL INSERTION SITE OF THE PLANTAR FASCIA – HEEL SPUR IS NOT A TRACTION SPUR
Takenori MATSUDA, Tsukasa KUMAI, Ichiro HIGASHIYAMA, Yasushi SHINOHARA, Yasuhiro TANAKA, Yoshinori TAKAKURA (Japan)

24419 DEVELOPMENT AND VALIDATION OF THE SPORTS ATHLETE FOOT AND ANKLE SCORE: AN INSTRUMENT FOR SPORTS-RELATED ANKLE INJURIES
Marjolein MORSSINKHOF¹, Otis WANG², Laurence JAMES³, Huub VAN DER HEIDE¹, Ian WINSON³
¹(Netherlands), ²(Australia), ³(United Kingdom)
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, Aleksandre 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, Yasuhito 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

Moderators:
Shinichi KONNO (Japan)
Hans TROPP (Sweden)

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 KENNEDY¹, Frank P. CAMMISA JR², Aiden DEVITT¹
¹(Ireland), ²(United States)
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)

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

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 SPINE REGISTER
Yohan ROBINSON, Bengt SANDÉN (Sweden)

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

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

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 BÜNGER, Tina Senholt VIDEBAEK (Denmark)

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)

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 BERG¹, Hans TROPP¹, Gunnar LIEVSETH²
¹(Sweden), ²(Norway)
**Wednesday, 1 September**  
**Room F4**

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<tr>
<th>Time</th>
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| 08:00-09:30| **Symposium**  
*Biomaterials - Novel Strategies in Biomaterials and Regenerative Medicine*  
*Moderator:*  
Peter THOMSEN (Sweden)  
NANOTECHNOLOGY  
Sam STUPP (United States)  
BIOCERAMICS  
Chang JIANG (China)  
CARTILAGE CELL BIOLOGY AND REGENERATION  
Anders LINDAHL (Sweden)  
NOVEL BIOCERAMICS FOR DELIVERY OF CELLS AND MOLECULES  
Håkan ENGQVIST (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| **Lecture**  
*Free Papers*  
*Biomaterials*  
*Moderators:*  
Marko PECINA (Croatia)  
Rickard BRÄNEMARK (Sweden)  
*26848*  
IMPLANTATION OF A NOVEL SYNTHETIC, BIODEGRADABLE SCAFFOLD FOR MENISCUS TISSUE REGENERATION  
Peter VERDONK, Wouter HUYSE, Ramses FORSYTH, Rene VERDONK (Belgium)  
*26190*  
DEVELOPMENT OF A NEW CARRIER FOR BONE MORPHOGENETIC PROTEIN  
Anders WESTERMARK (Sweden) |
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 GIRI¹, S.C. GOEL²  
¹(United Kingdom), ²(India)

26729  SCAFFOLD MECHANO TRANSDUCTION IN A FUSION MODEL  
Jens Vinge NYGAARD, Casper FOLDAGER, Peter CLOETENS, Cody BUNGER (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 SHAHIEI 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)
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<th>Time</th>
<th>Event Description</th>
<th>Location</th>
<th>Speakers</th>
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<tr>
<td>12.15-13.00</td>
<td><strong>Biomet</strong> <em>(in Room J1):</em> Signature, Patient Specific Instrumentation in TKA</td>
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<td>Emmanuel THIENPONT (Belgium)</td>
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<td>12.15-13.30</td>
<td><strong>KCI</strong> <em>(in Room F3):</em> What is the value of negative pressure (wound) technology in orthopaedic surgery? Are there new developments?</td>
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<td>Wim FLEISCHMANN (Netherlands)</td>
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<td>13.30-15.00</td>
<td><strong>Lecture</strong> Free Papers</td>
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<td><strong>Tumours</strong> Soft Tissue / Sarcomas</td>
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<td><strong>Moderators:</strong> Wichien LAOHACHAROENSOMBAT (Thailand) Peter BERGH (Sweden)</td>
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<td></td>
<td><strong>COMPLICATIONS AND PITFALLS OF SOFT-TISSUE SARCOMA TREATMENT</strong></td>
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<td>Gwen SYS (Belgium)</td>
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<td>26316</td>
<td>TRENDS IN INCIDENCE OF SOFT TISSUE SARCOMAS 1984-2004 – EPIDEMIOLOGIC STUDY AND LITERATURE REVIEW</td>
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<td>Christine WIBMER, Andreas LEITHNER, Nadine ZIELONKE, Matthias SPERL, Reinhard WINDHAGER (Austria)</td>
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<td>25360</td>
<td>COMPLICATIONS IN SACRAL AMPUTATION FOR CHORDOMA</td>
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<td>Wichien LAOHACHAROENSOMBAT, Adisak NATTHANARUNG, Ekkawit THAWORN (Thailand)</td>
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<td>26302</td>
<td>COMPARISON OF THE PREOPERATIVE SCORING SYSTEM OF BAUER WITH FIVE INTERNATIONALLY USED SCORES FOR SPINAL METASTASES</td>
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<td>Christine WIBMER, Andreas LEITHNER, Guenter HOFMANN, Heimo CLAR, Magdalena KAPITAN, Andrea BERGHOLD, Reinhard WINDHAGER (Austria)</td>
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THE IMPACT OF SURGICAL MARGIN AND LOCAL RECURRENCE ON OVERALL SURVIVAL FOR INTERMEDIATE AND HIGH GRADE SOFT TISSUE SARCOMA OF THE EXTREMITIES
Bahtiyar DEMIRALP¹, Joseph ALDERETE², Eduardo NOVAIS², Peter ROSE², Kristy WEBER², Franklin SIM²
¹(Turkey), ²(United States)

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

CLINICAL ASPECTS AND PROBLEMS OF MANAGEMENT OF BONE TUMOURS IN AFRICA
Farikou IBRAHIMA, Bernadette NGO NONGA, Mathieu MOTAH, Jean BAHEBECK (Cameroon)

MULTISEGMENTAL EN-BLOC RESECTIONS FOR PRIMARY TUMORS AND SOLITARY METASTASIS OF THE THORACOLUMBAR SPINE
Alexander DISCH¹, Klaus-Dieter SCHASER¹, Ingo MELCHER¹, Claudia DRUSCHEL¹, Alessandro LUZZATI²
¹(Germany), ²(Italy)

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)

ASSESSMENT OF THE TOKUHASHI SCORE AND ITS MODIFICATIONS IN 470 PATIENTS OF AARHUS METASTASES DATABASE WITH VERTEBRAL METASTASES
Miao WANG, Haisheng LI, Kristian HØY, 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 / Stiff Elbow
Moderator: Anders EKELUND (Sweden)
IDIOPATHIC FROZEN SHOULDER
Anders NORDQVIST (Sweden)
STIFFNESS AFTER SOFT TISSUE RECONSTRUCTION
Schwan KHOSCHNAU (Sweden)

Moderator:
Lars ADOLFSSON (Sweden)

THE STIFF ELBOW
Carl EK HOLM, Mikael ETZNER (Sweden)
Wednesday, 1 September
Room F5

13:30-15:00  Symposium

Lessons from the Swedish Hip, Knee & Spine National Quality Registers

Moderator:
Per WRETENBERG (Sweden)

Johan KÄRRHOLM, Göran GARELLICK, Martin SUNDBERG, Björn STRÖMQVIST (Sweden)
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<th>Time</th>
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<tr>
<td>08:00-09:30</td>
<td>Symposium EFOR: Musculoskeletal Polytrauma</td>
<td>Free Papers Spine Spondylolisthesis/ Low Back Pain/ Basic Science</td>
<td>Lecture</td>
<td>Free Papers Sports Medicine Knee/Hip</td>
<td>Free Papers General Orthopaedics Management in Orthopaedics</td>
<td>Free Papers Infection</td>
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<td>10:45-12:15</td>
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<td>Industry Symposium Medtronic (in room F6)</td>
<td>Free Papers Foot/Ankle</td>
<td>Free Papers Trauma Pertrochanteric Fractures</td>
<td>Free Papers SICOT/SOF/IFPOS: Paediatrics Trauma Upper &amp; Lower Extremities/ Miscellaneous</td>
<td>Free Papers Trauma Subtrochanteric Fractures</td>
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<td>13:30-15:00</td>
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<td>Symposium OSOS: Osseointegration &amp; Amputation Prostheses</td>
<td>Free Papers SICOT/SOF/IFPOS: Paediatrics Limb Lengthening / SCFE/Foot/ Miscellaneous</td>
<td>Free Papers Infection</td>
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<td>15:00-15:30</td>
<td>Coffee break</td>
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<td>15:30-16:00</td>
<td>Plenary Lecture Ian Learmonth</td>
<td>Symposium Epiphyses: Hot Topics / Pro and Con Debate</td>
<td>Lecture</td>
<td>Symposium OSOS: Osseointegration Instructional Course Compressive Osseointegration Technology</td>
<td>Free Papers SICOT/SOF/IFPOS: Paediatrics Perthes Disease/Limb Lengthening/Spine &amp; Hip/Miscellaneous</td>
<td>Free Papers Arthroplasty Knee</td>
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<td>Symposium Epiphyses: Hot Topics / Pro and Con Debate</td>
<td>Lecture</td>
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<td>Free Papers Arthroplasty Knee</td>
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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 (France)

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

13:30-15:00  Lecture Free Papers
Trauma
Pertrochanteric Fractures
Moderators:
Nikolaj WOLFSON (United States)
Cecilia ROGMARK (Sweden)

26859  TROCHANTERIC FRACTURES
Nikolaj WOLFSON (United States)

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

24915  3066 CONSECUTIVE GAMMA NAILS. 12 YEARS EXPERIENCE AT A SINGLE CENTRE
Alice Joanna BOJAN¹, Claudia BEIMEL², Andreas SPEITLING², Gilbert TAGLANG³, Carl EKHLÖM¹, Anders JÖNSSON² ¹(Sweden), ²(Germany), ³(France)
**TIP TO APEX DISTANCE IN DHS FIXATION. AN AUDIT OF PRACTICE AT A DISTRICT GENERAL HOSPITAL**
Dionysios TRIGKILIDAS, George MURPHY (United Kingdom)

**FUNCTIONAL OUTCOMES FOLLOWING INTRAMEDULLARY NAILING OF TROCHANTERIC HIP FRACTURES: A PILOT MULTICENTER, RANDOMIZED CONTROLLED TRIAL**
Mohit BHANDARI¹, Alicja BOJAN², Carl EKHOLM², Ole BRINK³, Anthony ADILI¹, Sheila SPRAGUE¹, Nasir HUSSAIN¹, Anders JÖNSSON⁴
¹(Canada), ²(Sweden), ³(Denmark), ⁴(Germany)

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

**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)

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

**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)

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

**Coffee break**
15:00-15:30

**Plenary Lecture**
15:30-16:00

**WHAT WILL SHAPE IMPROVEMENT IN THA IN THE FUTURE – TECHNOLOGY, TECHNIQUE OR TRAINING?**
Ian LEARMONTH (United Kingdom)
08:00-09:30 **Free Papers**

**Spine**  
Spondylolisthesis / Low Back Pain / Basic Science

*Modera tors:*
Cody BÜNGER (Denmark)  
Tommy HANSSON (Sweden)

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**25211**  
A 29 YEAR FOLLOW-UP OF PATIENTS WITH ISTMIC 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 LUK¹, Stephen K.L. LAM¹, Jun XIAO², Dike RUAN², Yu DING², William W. LU¹  
¹(Hong Kong), ²(China)

**25203**  
Histo logical 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

Moderators:
James WADDELL (Canada)
Jan LIDSTRÖM (Sweden)

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)
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<td>12:15-13:30</td>
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<td>Moderator: James STANNARD (United States)</td>
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<td>13:30-15:00</td>
<td>Free Papers</td>
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<td>Spine Deformity</td>
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<td>Moderators: Hwa-Chang LIU (Taiwan), Rune HEDLUND (Sweden)</td>
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<td>25303</td>
<td>FIRST METETRSOFALANGEAL ANKLE REPLACEMENT FOR MANAGEMENT OF HALLUX RIGIDUS</td>
<td>Igor PAKHOMOV, Mihail SADOVOY, Valery PROHORENKO (Russia)</td>
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<td>25739</td>
<td>CONCERNING TREATMENT OF OPEN FRACTURES OF ANKLE JOINTS</td>
<td>Aleh KEZLIA, Konstantine CHACHELKO, Ivan CHARHOVICH (Belarus)</td>
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<td>25334</td>
<td>ANALYSIS OF MRI RESULTS FOR ADOLESCENT IDIOPATHIC SCOLIOSIS WITH SPONDYLOYSIS AND SPONDYLOLISTHESIS</td>
<td>Mehmet BALIOGLU, Birol ORAL (Turkey)</td>
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<td>24131</td>
<td>POSTERIOR CORRECTION OF ADOLESCENT IDIOPATHIC SCOLIOSIS: SOME INTERMEDIATE RESULTS USING DIFFERENT TECHNIQUES</td>
<td>Sergey MLYAVYKH, Olga PERLMUTTER, Andrey SOSNIN, Andrey LEONTIEV (Russia)</td>
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<td>24036</td>
<td>TREATMENT OF STATIC SCOLIOSIS AND PELVIC OBLIQUTY</td>
<td>Ghassan SALAMEH (Syria)</td>
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<td>26442</td>
<td>NIGHT-TIME PROVIDENCE BRACING COMPARED TO FULL TIME BOSTON BRACING IN ADOLESCENT IDIOPATHIC SCOLIOSIS. A PROSPECTIVE RANDOMIZED STUDY</td>
<td>Per WESSBERG, Anders NORDWALL (Sweden)</td>
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<td>24260</td>
<td>RESULTS OF BIPOLAR RELEASE IN THE TREATMENT OF CONGENITAL MUSCULAR TORTICOLIS IN PATIENTS OLDER THAN 10 YEARS OF AGE</td>
<td>Kamal BALI, Sudesh PEBAM, Mandeep DHILLON (India)</td>
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<td>25801</td>
<td>TRUNK PROPORTIONALITY CHANGE FEATURES IN PATIENTS WITH HEAVY PROGRESSIVE SCOLIOTIC SPINE DEFORMITIES</td>
<td>Darya TESAKOVA, Dmitry TESAKOV (Belarus)</td>
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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?**
Nils 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
Room G4

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<td><strong>Sports Medicine</strong></td>
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<td>Thami BENZAKOUR (Morocco)</td>
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<td>Jón KARLSSON (Sweden)</td>
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<td>26861</td>
<td>EVIDENCE-BASED UPDATE: DOUBLE BUNDLE ACL RECONSTRUCTION</td>
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<td>Robert A. PEDOWITZ (United States)</td>
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<td>24259</td>
<td>PROPRIOCEPTIVE POTENTIAL OF THE RESIDUAL STUMP OF AN INJURED ANTERIOR CRUCIATE LIGAMENT: AN IMMUNOHISTOLOGICAL STUDY</td>
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<td>Kamal BALI, Mandeep DHILLON, R.K. VASHISHTA (India)</td>
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<td>23626</td>
<td>ARTHROSCOPIC RECONSTRUCTION OF THE HIP LABRUM WITH GRACILIS AUTOGRRAFT</td>
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<td>Dean MATSUDA (United States)</td>
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<td>24426</td>
<td>THE REHARVESTED PATELLAR TENDON HAS THE POSSIBILITY FOR LIGAMENTIZATION WHEN USED FOR ANTERIOR CRUCIATE LIGAMENT REVISION SURGERY</td>
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<td>Sven STENER, Jüri KARTUS, Tomas MOVIN, Lars EJERHED (Sweden)</td>
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<td>25902</td>
<td>POOR RESULTS AFTER ALLOGRAFT ACL RECONSTRUCTION WITH CHEMICALLY PREPARED TISSUE</td>
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<td>Vasudev SHANBHAG, G. EDWARDS, K. VERAVALLI, A.P. DAVIES (United Kingdom)</td>
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<td>25788</td>
<td>A POPULATION BASED NATIONALWIDE STUDY OF ANTERIOR CRUCIATE LIGAMENT (ACL) INJURY AMONG 55,559 PATIENTS IN SWEDEN</td>
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<td>Richard NORDENVALL, Shahram BAHMANYAR, Johanna ADAMI, Carin STENROS, Torsten WREDMARK, Li FELLÅNDER-TSAI (Sweden)</td>
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<td>23582</td>
<td>RECONSTRUCTION OF THE MEDIAL PATELLOFEMORAL AND PATELLOTIBIAL LIGAMENTS IN CASES OF RECURRENT PATELLAR DISLOCATION</td>
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<td>Ayman EBIED, Adel EL SAIDEY, Ahmed Hany SALEH (Egypt)</td>
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24988  ARTHROSCOPIC SINGLE-BUNDLE ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION WITH PERIOSTEUM-ENVELOPING HAMSTRING TENDON GRAFT
Chih-Hwa CHEN (Taiwan)

26460  HIGH INCIDENCE OF RADIOGRAPHIC FINDINGS OF FEMOROACETABULAR IMPINGEMENT IN ASYMPTOMATIC PATIENTS
Dimosthenis ALASEIRLIS, Nikolaos ZISIS, Anastasios PANAGIOTOU, Nikolaos ALAMAKIS (Greece)

23223  LONG-TERM RESULTS OF HIP ARTHROSCOPY FOR LABRAL TEARS: PREDICTORS OF OUTCOMES
Morteza MEFTAH, Jose RODRIGUEZ, Michael ALEXIADES (United States)

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  Lectures Free Papers
Arthroplasty
Hip - Revision / Infections
Moderators:
László BUCSI (Hungary)
Christer STRÖMBERG (Sweden)

23833  ACETABULAR REVISION AS A COST-EFFECTIVE METHOD
László BUCSI, Ferenc DOBOS (Hungary)

26808  A CEMENTLESS REVISION SYSTEM FOR PELVIC DEFECTS (D’ANTONIO TYPE I-IV)
Maximilian RUDERT, Boris HOLZAPFEL (Germany)

25366  HIP REVISION USING IMPACTION BONE GRAFTING AND A CEMENT: RADIOSTEREOMETRIC ANALYSIS OF 25 CONSECUTIVE PATIENTS FOLLOWED UP TO 9 YEARS
Vasilios ZAMPELIS, Ewald ORNSTEIN, Herbert FRANZÉN, Isam ATROSHI (Sweden)

25638  TOTAL HIP REPLACEMENT FOR ARTHRITIS FOLLOWING TUBERCULOSIS OF HIP
Vijay KUMAR, Rajesh MALHOTRA, Bhavuk GARG (India)
REVOLUTION TOTAL HIP ARTHROPLASTY USING THE TAPERED PRESS-FIT CEMENTLESS STEM IN ELDERLY PATIENTS
Jun-Dong CHANG, Manish CHAUDHARI, Yong-Kuk KIM, Jae-Chul BYUN (Korea)

RECONSTRUCTION OF A SEVERE ACETABULAR DEFECT (PAPROSKY TYPE 3B) USING A TOTAL ACETABULAR ALLOGRAFT
Rajesh MALHOTRA, Vijay KUMAR, Bhavuk GARG (India)

THE USE OF ALLOGRAFT PROSTHESIS COMPOSITE FOR EXTENSIVE PROXIMAL FEMORAL BONE DEFICIENCIES: A 2-TO 9.8 YEAR FOLLOW-UP STUDY
Ji-hyo HWANG (Korea)

2 YEAR FOLLOW UP OF TANTAL AUGMENTATION IN REVISION THA
Yannic BANGERT, Daniel KENDOFF, Bernd SCHWANTES, Thorsten GEHRKE (Germany)

USE OF A CEMENT IMPREGNATED SPACER IN TWO STAGE REVISION HIP ARTHROPLASTY FOR INFECTED HIP ARTHROPLASTY
Vijay KUMAR, Rajesh MALHOTRA, Dharmesh KHATRI, Bhavuk GARG (India)

AGGRESSIVE EARLY DEBRIDEMENT CAN BE SUCCESSFUL FOR INFECTED TOTAL HIP ARTHROPLASTY
Mohamed SUKEIK, Fares Sami HADDAD (United Kingdom)

IMPELLMENT FOLLOWING CONTEMPORARY RESURFACING ARTHROPLASTY OF THE HIP
Youn-Soo PARK, Seung-Jae LIM, Chul-Hee JUNG (Korea)

Industry Symposium

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

Moderator:
James STANNARD (United States)

Free Papers

Arthroplasty
Hip - Position / Approach / Complications

Moderators:
Philippe HERNIGOU (France)
KG NILSSON (Sweden)
THE EFFECT OF FEMORAL NECK NOTCHING WITH THE BIRMINGHAM MID-HEAD RESECTION
James P. WADDELL, Michael OLESEN, 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 VECSEI (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)

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)
Arthroplasty
Hip - Osteotomy / Avascular Necrosis

Moderators:
Francesco SANTORI (Italy)
Olle NILSSON (Sweden)

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

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 KWON¹, Sion GLYN-JONES², David SIMPSON², Amir KAMALI², Peter MCLARDY-SMITH², Harinderjit S. GILL², David MURRAY²
¹(United States), ²(United Kingdom)

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)

25852 AVASCULAR NECROSIS OF FEMORAL HEAD: RESULTS OF TREATMENT WITH BONE GRAFT AND SURGICAL HIP DISLOCATION
Jaime LOPEZ, Dante PARODI, Javier BESOMI, Carlos TOBAR, Luis MOYA, Joaquin LARA, Claudio MELLA (Chile)
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 F1

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| 08:00-09:30| Lecture                       | General Orthopaedics  
Management in Orthopaedics                                            | Moderators:  
William HARRIS (United States)  
Kristina ÅKESSON (Sweden)                                                      |
| 25049      | Free Papers                   | OPTIMIZATION OF A TEACHING CONFERENCE                                  | William HARRIS (United States)                                                       |
| 24923      | Free Papers                   | MISDIAGNOSIS AND DELAYED DIAGNOSIS IN ORTHOPEDICS                      | Takashi YAMAZAKI, Yoshiyasu KOKUBO (Japan)                                         |
| 26456      | Free Papers                   | INTERNET USE BY ORTHOPAEDIC OUTPATIENTS                                | Joseph BAKER¹, James GREEN², Synnott KEITH¹, Michael STEPHENS¹, Ashley POYNTON¹, Kevin MULHALL¹  
¹(Ireland), ²(New Zealand)                                                      |
<p>| 26131      | Free Papers                   | MITIGATING GLOBAL MUSCULOSKELETAL BURDEN THROUGH TRANSNATIONAL ACADEMIC COLLABORATION: IGOT | Richard COUGHLIN, Jonathan PHILLIPS, Thomas PENOYAR, Amber CALDWELL, Richard GOSSELIN, Harry JERGESEN (United States) |
| 25790      | Free Papers                   | SURGICAL SAFETY CHECKLISTS: AUDIT OF NPSA AND WHO CHECKLIST USAGE       | Gill SUKHDEEP, Sunny DEO, Matt OWEN (United Kingdom)                           |
| 26149      | Free Papers                   | TONK SCORE; AN OBJECTIVE METHOD OF ANALYSING MEDICAL NOTES              | Adele Elizabeth SAYERS, Zeeshan KHAN, Iain CHAMBERS (United Kingdom)              |
| 24310      | Free Papers                   | POST-OPERATIVE NOTES: DO WE WRITE ENOUGH?                              | Paraskumar MOHANLAL, Sunil JAIN (United Kingdom)                                   |
| 25067      | Free Papers                   | FIRST-YEAR MORTALITY FOLLOWING HIP FRACTURE SURGERY AND PREOPERATIVE USE OF LOW-DOSE ACETYLSALICYLIC ACID: A SUBGROUP ANALYSIS OF A RANDOMIZED CONTROLLED TRIAL | Annika KRAGH EKSTAM, Isam ATROSHI, Markus WALLDÉN, Anna APELQVIST (Sweden)          |</p>
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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>Santosh VENKATAChALAM, Paul DIXON (United Kingdom)</td>
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<td>A NOVEL MODEL FOR LEAN PRODUCTION CLINICAL IMPROVEMENTS AND A SUPPORTING INTERNATIONAL DATABASE FOR CLINICAL HEALTHCARE IMPROVEMENT IN GENERAL</td>
<td>Erik VESTBERG, Kerstin CARLSSON, Dan JOHANNESSON (Sweden)</td>
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<td>25567</td>
<td>SHO'S BETTER AT CONSENT THAN CONSULTANTS</td>
<td>Yusuf MIRZA, Sibtain HUSSAIN (United Kingdom)</td>
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**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)

**12:15-13:30**  
**Industry Symposium**  
Medtronic (in Room F6):  
Bone Grafting Options: From Ceramics to BMP’s  
*Moderator:*  
James STANNARD (United States)
13:30-15:00 Symposium
Orthopaedic Surgical Osseointegration Society (OSOS): Osseointegration & Amputation Prostheses

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

Welcome and Introduction
Rickard BRÅNEMARK¹, Richard J. O’DONNELL²
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)

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

Moderator:
Peter THOMSEN (Sweden)

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

17:00-17:45 Instructional Course

Compressive Osseointegration Technology
### Thursday, 2 September
Room F2

<table>
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<th>Time</th>
<th>Session</th>
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<td>08:00-09:30</td>
<td><strong>Free Papers</strong></td>
<td><strong>Infection</strong></td>
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<td><em>Moderators:</em> Mohd. Mussa WARDAK (Afghanistan) Bengt ERICSON (Sweden)</td>
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<td></td>
<td></td>
<td>23299 <strong>A REVIEW OF NECROTIZING FASCIITIS IN THE EXTREMITIES</strong></td>
<td>Jason Pui Yin CHEUNG (Hong Kong)</td>
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<td></td>
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<td>23294 <strong>EVALUATION OF SENSITIVITY AND SPECIFICITY OF 99MTC-CIPROFLOXACIN IN LOCALIZING SKELETAL TUBERCULOSIS</strong></td>
<td>Vishal KUMAR, Vijay GONI (India)</td>
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<td>23468 <strong>MANAGEMENT OF POSTTRAUMATIC LONG BONE DEFECTS COMPLICATED WITH OSTEOMYELITIS USING POLYLOCAL EXTRAFOCAL OSTEOSYNTHESIS METHOD</strong></td>
<td>Mohd. Mussa WARDAK, Emal WARDAK (Afghanistan)</td>
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<td>23186 <strong>ARE WE MANAGING ACUTE KNEE EFFUSION WELL?</strong></td>
<td>Umer BUTT, Riaz AHMED, Sajid MEHMOOD, Azhar HUSSAIN (United Kingdom)</td>
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<td>26568 <strong>OUTCOME OF SINGLE STAGE TREATMENT OF CHRONIC OSTEOMYELITIS</strong></td>
<td>Jagwant SINGH, S. MARWAH, A. PLATT, G. BARLOW, R. RAMAN, H.K. SHARMA (United Kingdom)</td>
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<td>23297 <strong>PROGNOSTIC FACTORS OF MYCOBACTERIUM MARINUM INFECTION OF THE HAND AND WRIST</strong></td>
<td>Jason Pui Yin CHEUNG (Hong Kong)</td>
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<td>26207 <strong>THE USE OF ANTIMICROBIAL PEPTIDES IN THE PREVENTION OF BIOFILM FORMING S. EPIDERMIS STRAINS ASSOCIATED WITH ORTHOPAEDIC INFECTION</strong></td>
<td>Stephanie SANDIFORD, Peter KAY, Mathew UPTON (United Kingdom)</td>
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<td>25754 <strong>AGGRESSIVE EARLY DEBRIDEMENT CAN BE SUCCESSFUL FOR INFECTED TOTAL KNEE ARTHROPLASTY</strong></td>
<td>Mohamed SUKEIK, Mike DOBSON, Anna BRIDGENS, Fares Sami HADDAD (United Kingdom)</td>
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<td>24363 <strong>RESULTS OF TOTAL HIP REPLACEMENT IN ACTIVE TUBERCULOSIS – A CLINICAL STUDY</strong></td>
<td>Chandra YADAV, Ashok KUMAR, Devdatt NEOGI, Shah KHAN, Sameer NARANJE, Shishir RASTOGI (India)</td>
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</table>
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

**SICOT / SOF / International Federation of Paediatric Orthopaedic Societies (IFPOS):**
**Paediatrics**
Trauma Upper & Lower Extremities / Miscellaneous

*Moderators:*
David ARONSSON (United States)
Anna APELQVIST (Sweden)

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<tr>
<th>Case Number</th>
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<tr>
<td>25733</td>
<td>PURE ELBOW DISLOCATION IN CHILDREN: A REPORT OF 5 CASES</td>
<td>Sarper GURSU, Timur YILDIRIM, Bilal DEMIR, Turgay ER, M. Ali DEVECI, Vedat SAHIN (Turkey)</td>
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<td>24258</td>
<td>IPSILATERAL PROXIMAL AND DISTAL FOREARM FRACTURE/FRACTURE DISLOCATION IN CHILDREN</td>
<td>Sameer AGARWAL, Sujit TRIPATHY, Ramesh SEN, Amit AGARWAL (India)</td>
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<td>23917</td>
<td>PROXIMAL RADIUS AND ULNA COMBINED FRACTURES IN CHILDREN: LATE RESULTS OF TREATMENT</td>
<td>Theodoros BESLIKAS, Anastasios CHYTAS, Aleksandros NENOPoulos, Vasilios GOULIos, John GiGis, John CHRISTOFORIDES (Greece)</td>
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<td>25781</td>
<td>MANAGEMENT AND OUTCOME OF PAEDIATRIC FEMORAL FRACTURES: 10 YEARS EXPERIENCE AT A LONDON TRAUMA CENTRE</td>
<td>Anna BRIDGENS, Shivakumar SHANKAR, Jit MANGWANI, Manoj RAMACHANDRAN, Matthew BARRY, Mark PATERSON (United Kingdom)</td>
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<td>26459</td>
<td>TREATMENT OF SUBTROCHANTERIC FRACTURES IN CHILDREN WITH ESIN</td>
<td>Vasileios GOULIOS, Theodoros BESLIKAS, Thomas PAPAGEORGIOU, Nikos PANOS, Ioannis GiGis, Ioannis CHRISTOFORIDES (Greece)</td>
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<td>25706</td>
<td>SURGICAL TREATMENT OF ACUTE PATELLAR DISLOCATIONS AND CHRONIC PATELLAR INSTABILITY IN YOUNG PATIENTS</td>
<td>Mikhail GERASIMENKO, Eugene ZHUK, Stanislau TRATSIAK (Belarus)</td>
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ELASTIC STABLE INTRAMEDULLARY NAILING OF SUPRACONDYLAR FRACTURES OF FEMUR IN CHILDREN
Vasileios GOULIOS, Theodoros BESLIKAS, Kosmas SIDIROPOULOS, Anastasios CHYTAS, Nikos PANOS, Ioannis CHRISTOFORIDES (Greece)

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)

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

12:15-13:30 Industry Symposium

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

Moderator:
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:
Patricia FUCS (Brazil)
Ann Charlot SÖDERPALM (Sweden)

ROLE OF FLEXIBLE INTRAMEDULLARY NAILING IN LIMB LENGTHENING IN CHILDREN. A COMPARATIVE STUDY
Dmitry POPKOV¹, Pierre LASCOMBES¹, Arnold POPKOV², Pierre JOURNEAU¹, Thierry HAUMONT¹
¹(France), ²(Russia)

BONE DEFORMITIES IN CHILDREN TREATED WITH TSF (TAYLOR SPATIAL FRAME). DIFFICULTIES AND RISK OF THIS PROCESS
Haridimos TSIBIDAKIS, Vasilios SAKELLARIOU, George MAZIS, Vasilios TSOUPEAROPOULOS, George KARALIOTAS, Anastasios KANELLOPOULOS (Greece)

A NEW HINGE SYSTEM IN THE TREATMENT OF LIMB LENGTHENING AND AXIAL DEVIATIONS
Ghassan SALAMEH¹, Michael SCHMIDT²
¹(Syria), ²(Germany)
24232  LONG-TERM RESULTS OF IMHÄUSER-OSTEOTOMY IN EPIPHYSEOLYSIS CAPITIS FEMORIS
Albert FUJAK¹, Kristin MÜLLER², Wolfgang LEGAL¹, Jürgen FORST¹
¹(Germany), ²(Switzerland)

23937  DE-THREADED SCREW FIXATION OF SLIPPED CAPITAL FEMORAL EPIPHYSES – 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 BASANGOU DHAR, 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:
George THOMPSON (United States)
Aina DANIELSON (Sweden)

26323  ARTHRODIASTASIS AND SURGICAL CONTAINMENT IN LATE ONSET PERTHES DISEASE: AN ANALYSIS OF 14 PATIENTS
Kamal BALI, Pebam SUDESH, Mandeep DHILLON, Raghav SAINI (India)
25141  MODELING EFFECT OF TRIPLE PELVIC OSTEOTOMY IN SEVERE CASES AT PERTHES DISEASE
Andrei DZEMIANTSOU, Alexandre BELETSKY, Aleh SAKALOUSKI, Ludmila PASHKEVICH, Sergei SERDJUCHENKO, Roman GOLDMAN (Belarus)

25152  STABILIZING EFFECT OF TRIPLE PELVIC OSTEOTOMY IN SEVERE CASES AT PERTHES DISEASE
Aleh SAKALOUSKI, Alexandre BELETSKY, Andrei DZEMIANTSOU, Sergei SERDJUCHENKO, Urii LIHACHEVSKIY (Belarus)

24916  LIMB LENGTHENING WITH A SUBMUSCULAR LOCKING PLATE
Chang-Wug OH, Hyun-Joo LEE, Sang-Hyup YOON, Byung-Chul PARK (Korea)

25129  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)

23346  MRI EVALUATION OF FEMORAL AND ACETABULAR ANTEVERSION IN DEVELOPMENTAL DYSPLASIA OF HIP: A STUDY IN EARLY WALKING AGE GROUP
Aditya MOOTHA, Raghav SAINI (India)

23296  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)

25287  USING LATERAL OSTEOTOMY WITHOUT ANY INTERNAL FIXATION FOR POSTTRAUMATIC CUBITUS VARUS DEFORMITY
Ziming ZHANG, Jing ZHANG (China)

23690  MULTIFOCAL SKELETAL TUBERCULOSIS IN CHILDREN – ANALYSIS OF PATTERN, COURSE AND CLINICAL OUTCOME
Sunil Gurpur KINI, Aditya N. AGGARWAL, Ish K. DHAMMI, Sudhir KUMAR (India)
Thursday, 2 September  
Room F4

08:00-09:30  Lecture  Free Papers

Trauma  
Wrist / Nerve Injury

Moderators:
Syed AWAIS (Pakistan)  
Carl EKHOLM (Sweden)

TREATMENT OF SEGMENTAL DEFECTS IN PERIPHERAL NERVE INJURIES BY TRACTION NERVE REGENERATION  
Syed AWAIS (Pakistan)

23093  SURGICAL TREATMENT OF PATIENTS WITH CONGENITAL AND ACQUIRED HAND PATHOLOGY BY ILIZAROV METHOD  
Guseynali ISMAYLOV (Iran)

25314  MULTI-DETECTOR CT IN THE EARLY DIAGNOSIS OF OCCULT SCAPHOID FRACTURES  
Selahattin OZYUREK, Ahmet Turan ILICA, Ozkan KOSE, Murat DURUSU (Turkey)

24995  A COMPARATIVE PROSPECTIVE STUDY AND ANALYSIS OF RESULTS OF NON UNION SCAPHOID TREATED BY DIFFERENT FIXATION MODALITIES  
Sunil Gurpur KINI, P.K. RAJU (India)

25732  DOUBLE STAGE TREATMENT OF CHRONIC PERILUNAR WRIST DISLOCATION  
Aleh KEZLIA, Ivan CHARHOVICH, Vladislav ERMOLOVICH, Alexander BENKO, Konstantine CHACHELKO (Belarus)

24567  TERIPARATIDE (PTH 1-34) IMPROVES EARLY CALLUS FORMATION IN DISTAL RADIAL FRACTURES  
Torsten JOHANSSON, Per ASPENBERG (Sweden)

23485  LIMB REPLANTATION WITH TWO ROBOTS: A FEASIBILITY STUDY  
Sybille FACCA, Chihab TALEB, Eric NECTOUX, Philippe LIVERNEAUX (France)

25628  RESULTS OF IATROGENIC NERVE REPAIR IN THE UPPER LIMB AND THEIR PREVENTION  
Rahul KAKKAR¹, C. OBERLIN²  
¹(United Kingdom), ²(France)
A NEW STRATEGY FOR REPAIR OF A SEGMENTAL PERIPHERAL NERVE GAP: NERVE LENGTHENING METHODS
Yuki HARA, Yasumasa NISHIURA, Sharula NULL, Yoshiko NAKAJIMA, Harumitsu ICHIMURA, Takeshi OGAWA, Toshikazu TANAKA, Naoyuki OCHIAI (Japan)

Coffee break

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

Free Papers

Trauma
Subtrochanteric Fractures

SUBTROCHANTERIC FRACTURES: NAIL, PLATE AND HUMMINGBIRDS
Andreas H. RUECKER (Germany)

PLATING FOR COMMINUTED SUBTROCHANTERIC & DISTAL FEMORAL FRACTURES: "LET THE BIOLOGY WORK"
Puneet MISHRA, Ish K. DHAMMI, Anil K. JAIN (India)

PROJECTED NUMBER OF HIP FRACTURES IN SWEDEN FROM 2010 TO 2050
Bjorn E. ROSENGREN, Magnus K. KARLSSON (Sweden)

CIRCULAR SUBTROCHANTERIC FEMORAL OSTEOTOMY: TECHNIQUE AND RESULTS OF THE FIRST 9 CASES
Sherif EL GHAZALY (Egypt)

SUBTROCHANTERIC FRACTURE. MANAGEMENT WITH ORIF DYNAMIC COMPRESSION PLATE
Sanjib Kumar BEHERA, Satyanarayana D. SREENIVAS (India)

TREATMENT OF SUBTROCHANTERIC NONUNIONS WITH THE 95-DEGREE BLADE PLATE
Seung-Jae LIM, Jeong-Hoon HAN, Youn-Soo PARK (Korea)

MUSCULOSKELETAL FUNCTION AND QUALITY OF LIFE IN ELDERLY PATIENTS AFTER A SUBTROCHANTERIC FEMORAL FRACTURE TREATED WITH A CEPhALOMEDULLARY NAIL
Ricard MIEDEL, Hans TÖRNKVIST, Sari PONZER, Anita SÖDERQVIST, Jan TIDERMARK (Sweden)
25780  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
Maria EDVINSSON, Ulla SVANTESSON, Hans GRANHED (Sweden)

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 Symposium

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

Moderator:
James STANNARD (United States)

13:30-15:00  Free Papers

Infection

Moderators:
Ellewellyn PASION (Philippines)
Per WRETENBERG (Sweden)

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)

26183 ANTIMICROBIAL PEPTIDES AS POTENTIAL ANTI-INFECTIVE AGENTS IN THE PREVENTION OF ORTHOPAEDIC INFECTIONS
Stephanie SANDIFORD, Peter KAY, Mathew UPTON (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

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

REVISION RATE FOR WEAR IN TKA WITH THIN PE INSERTS
Rob NELISSEN, Bart PIJLS, Enrike VAN DER LINDEN-VAN DER ZWAAG (Netherlands)

HOW MUCH TibIAL RESECTION IS NEEDED IN TOTAL KNEE ARTHROPLASTY?
Christoph SCHNURR, György CSÉCSEI, Peer EYSEL, Dietmar Pierre KÖNIG (Germany)

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

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

MID-TERM CLINICAL & RADIOLOGICAL RESULTS OF A HYBRID REVISION KNEE PROSTHESIS WITH UNCEMENTED STEM FIXATION
Gordon HIGGINS¹, Paul KUZYK², Michael OLSEN², Emil SCHEMITSCH², James WADDELL²
¹(United Kingdom), ²(Canada)

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

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

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

UNCEMENTED POSTERIOR STABILIZED TRABECULAR METAL TibIA IN HIGH-FLEX KNEES IN YOUNGER PATIENTS. A TWO-YEAR RSA STUDY
Kjell G. NILSSON, Anders HENRICSON (Sweden)
### Programme – Friday, 3 September

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<td>08:00-09:30</td>
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<td>Best Papers Session</td>
<td>Lecture</td>
<td>Symposium OSOS: Compressive osseointegration for endoprosthesis reconstruction</td>
<td>Lecture</td>
<td>Free Papers Trauma Pelvic Fractures</td>
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<td>Fragmental Fractures in Orthopaedics</td>
<td>Free Papers Spine Cervical/Lumbar Spinal Stenosis</td>
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<td>Free Papers Arthroplasty Knee</td>
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<td>09:30-10:15</td>
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<td>Coffee break</td>
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<td>10:15-10:45</td>
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<td>Plenary Lecture Tommy Hansson</td>
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<td>10:45-12:15</td>
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<td>Symposium Smoking &amp; Orthopaedic Surgery</td>
<td>Symposium Natural Disasters &amp; Orthopaedic Surgery</td>
<td>Lecture</td>
<td>Symposium OSOS: Bone anchored amputation prostheses</td>
<td>Free Papers Trauma Foot/Ankle</td>
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08:00-09:30  **Best Papers Session**  
*(More information on page 27)*

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:*
Olle SVENSSON (Sweden)

**Introduction**
Olle SVENSSON (Sweden)

**CLINICAL EVIDENCE**
Johanna ADAMI (Sweden)

**PATHOPHYSIOLOGY AND TOBACCO ADDICTION**
David WARNER (United States)

**PATIENT PREFERENCES AND STAFF EXPERIENCE**
Hanne TØNNESEN (Denmark)

**SWEDISH LAUNCH**
Göran MODIN (Sweden)

**Concluding remarks**
Olle SVENSSON (Sweden)

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

08:00-09:30

**Symposium**

**Fragility Fractures in Orthopaedics**

*Moderator:*
Kristina ÅKESSON (Sweden)

**Free Papers**

**Osteoporosis**

*Moderators:*
Sybille FACCA (France)
Kristina ÅKESSON (Sweden)

23487 **A DESCRIPTIVE REPORT OF DXA RESULTS AND DEMOGRAPHICS IN SUBJECTS REFERRED FOR DXA TESTING IN BRAZIL**
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)

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

**HAITI EARTHQUAKE**
Bernard NAU (Haiti)

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

**MSF EMERGENCY RESPONSE TO THE HAITI EARTHQUAKE. A FOCUS ON SURGICAL ACTIVITIES**
Luis RIDDES (Sweden)

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

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

12:15-13:15 Closing Ceremony *(in Congress Hall)*
**Friday, 3 September**  
**Room G4**

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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)

23136  MRI VS CT IN DIAGNOSING LUMBAR STENOSIS
Sang Soo EUN, Ho-Yeon LEE, Sang-Ho LEE, Kyeong Hwan KIM, Wei Chiang LIU (Korea)

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

Moderators:
Dominique POITOUT (France)
Christer STRÖMBERG (Sweden)

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 TARASEVICIUS¹, Justinas STUCINSKAS¹, Otto ROBERTSSON², Hans WINGSTRAND²
¹(Lithuania), ²(Sweden)

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

25503  IS BILATERAL SEQUENTIAL TOTAL KNEE ARTHROPLASTY THE NEED OF THE HOUR? – OUR SERIES OF 60 CASES AT HOSMAT HOSPITAL, BANGALORE
Prakash L.G. BANGALORE, Thomas CHANDY (India)
23173  MORBIDITY AND MORTALITY OF SINGLE STAGE BILAT TKR: PROSPECTIVE STUDY OF 654 CASES
   Rajesh RAJULE, Sinu BHASKARAN, Hemant WAKANKAR (India)

23705  BILATERAL SIMULTANEOUS TOTAL KNEE ARTHROPLASTY IN SEVERELY DEFORMED KNEES: USE OF AN EVIDENCE BASED REHABILITATION PROGRAMME
   Vijay SHETTY (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
   Chandra YADAV, Ashok KUMAR, Raj D. BACKIA, Vijay KUMAR, Sanjay THULKAR, Shivananda GAMANAGATTI, Shah KHAN, Shishir RASTOGI (India)

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 (in Congress Hall)
Friday, 3 September
Room F1

08:00-09:30 Symposium

**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. WUSTRAK (United States)

**COMPRESSIVE OSSEOINTEGRATION FOR DISTAL FEMORAL GIANT CELL TUMOR RECONSTRUCTION**
Rosanna L. WUSTRAK (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  Symposium

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 (in Congress Hall)
Friday, 3 September
Room F2

08:00-09:30

**Lecture**

**Free Papers**

**Arthroplasty**

**Knee**

*Moderators:*
Thami BENZAKOUR (Morocco)
Lars WEIDENHIELM (Sweden)

26802  **HIGH TIBIAL OSTEOTOMY FOR MEDIAL KNEE ARTHRITIS**
Thami BENZAKOUR, Ahmed BENZAKOUR, Abderrazak HEFTI, Mohamed LEMSEFFER (Morocco)

23006  **LATERAL UNICOMPARTMENTAL KNEE ARTHROPLASTY: INFLUENCE OF ALIGNMENT ON WEAR AND LOOSENING**
Philippe HERNIGOU, Alexandre POIGNARD, Charle Henri FLOUZAT LACHIANETTE (France)

25161  **MEDIUM TERM RESULTS OF MEDIAL COMPARTMENT KNEE REPLACEMENT**
Anupkumar SHETTY, Praveen SHARDA, S. MAHESWARAN (United Kingdom)

24421  **THE EFFECT OF DISTAL FEMORAL BONE CUT ON FLEXION GAP IN TOTAL KNEE ARTHROPLASTY USING A GAP BALANCING TECHNIQUE**
Masahiro NOZAKI, Masaaki KOBAYASHI, Yuko NAGAYA, Hideyuki GOTO, Hirotaka IGUCHI, Nobuyuki WATANABE, Hideki OKAMOTO, Takanobu OTSUKA (Japan)

23331  **UNICOMPARTMENTAL KNEE REPLACEMENT, CEMENTED VS. CEMENTLESS**
Gustav BONTEMPS, Klaus SCHLÜTER-BRUST (Germany)

25653  **KINEMATIC ANALYSIS OF MOBILE MENISCAL BEARING OF OXFORD MEDIAL UNICOMPARTIMENTAL KNEE ARTHROPLASTY USING EOS IMAGING ACQUISITION SYSTEM: A FEASIBILITY STUDY**
Ahmed ZEMIRLINE, Eric STINDEL, Abdelhamid ZEMIRLINE, Julien LE BOUCHER, Joël SAVÉAN, Frédéric DUBRANA (France)

23506  **A NOVEL FREE-FLOATING POLYCARBONATE-URETHANE MENISCAL IMPLANT: FROM BENCH TO CLINICAL PRACTICE**
Jonathan ELSNER¹, Gal ZUR¹, Eran LINDER-GANZ², Vincenzo CONDELLÒ², Elliott HERSHMAN³, Claudio ZORZI³, Farshid GUILAK³, Avi SHTERLING¹
¹Israel, ²Italy, ³United States
MINI-INVASIVE UNICOMPARTMENTAL KNEE ARTHROPLASTY
Gustav BONTEMPS, Klaus SCHLÜTER-BRUST (Germany)
09:30-10:15 Coffee break

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

Free Papers

Trauma
Foot / Ankle

Moderators:
Vilmos VÉCSEI (Austria)
Per WRETENBERG (Sweden)

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

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 TÖRMÄLÄ (Finland)

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)

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

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

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 (in Congress Hall)**
Friday, 3 September
Room F4

08:00-09:30  Free Papers

Trauma
Pelvic Fractures

Moderators:
Horia-Bogdan ORBAN (Romania)
Hans GRANHED (Sweden)

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)
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)

Coffee break

Plenary Lecture (in Congress Hall)
WAYS TO IMPROVE OUTCOME IN ORTHOPAEDIC SURGERY
Tommy HANSSON (Sweden)

Free Papers

Biomaterials / Cartilage Repair

Moderators:
Stephen ABELOW (United States)
Per ASPENBERG (Sweden)

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

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

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)

BIOLOGICAL THERAPY OF BONE DEFECTS: THE IMMUNOLOGY OF BONE ALLO-TRANSPLANTATION
Simon GRAHAM (United Kingdom)

A BIOMIMETIC BONE SCAFFOLD FOR TISSUE ENGINEERING
Prakash JAYAKUMAR, Amir BABAIE-MAHANI, B. BURANAWAT, Sanjukta DEB, Lucy DISILVIO (United Kingdom)

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 SAVADKOOHI, 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)

12:15-13:15  Closing Ceremony (in Congress Hall)
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