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Programme – Tuesday, 31 August

	Congress Hall	H1	G4	F1	F2	F4
09:00-12:00	Instructional Courses					
12:00-13:00	Lunch					
13:00-13:30	Plenary Lecture Mohit Bhandari					
13:30-15:00	Symposium JOA: <i>Joint Preserving Operations & Osteotomies for Adult Hip Diseases</i>	Free Papers Shoulder/Elbow	Lecture Free Papers Cartilage Repair	Symposium SOF: <i>Senior Swedish Orthopaedic Association: The History and Benefit of Total Joint Replacement Registries</i>	Symposium SOTS: <i>Evidence based trauma orthopaedics</i>	Lecture Free Papers Trauma Multitrauma
15:00-15:30	Coffee break					
15:30-17:00	Symposium <i>IT & Orthopaedics (until 16:30)</i>	Lecture Free Papers Arthroplasty Hip – Acetabular Components	Symposium <i>Rickets under the sun of Africa</i>	Symposium SOF: <i>Patientsäkerhets- arbete (in Swedish)</i>	Free Papers Arthroplasty Shoulder/Elbow	Symposium <i>Cartilage</i>
18:00	Opening Ceremony & Welcome Reception					

Tuesday, 31 August 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 DALÉN, 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 NOJOO MI (United Arab Emirates)

22983 FUNCTIONAL & CLINICAL OUTCOME AFTER SURGICAL REPAIR OF FULL-THICKNESS ROTATOR CUFF TEAR USING A MINI-OPEN TECHNIQUE

Umesh NAGARE, Mohammad MAQSOOD (United Kingdom)

26257 BROKEN SHOULDER PROBE DURING ARTHROSCOPIC SUB-ACROMIAL DECOMPRESSION – REPORT & TECHNICAL TIP

Atanu BHATTACHARJEE, A. YEWLETT, R. KULKARNI (United Kingdom)

25597 LATERAL EPICONDYLITIS OF THE ELBOW – ARE PLATELETS THE ANSWER?

Rahul KAKKAR, Malcolm SCOTT (United Kingdom)

15:00-15:30 *Coffee break*

15:30-17:00

Lecture

Free Papers

Arthroplasty

Hip - Acetabular Components

Moderators:

Luis LOPEZ-DURAN STERN (Spain)

Johan KÄRRHOLM (Sweden)

26834 POLYETHYLENE, CURRENT CLINICAL RESULTS AND FUTURE POTENTIAL

Henrik MALCHAU, Charles BRAGDON (United States)

24070 RSA EVALUATION OF WEAR OF VITAMIN E STABILIZED HIGHLY CROSS-LINKED POLYETHYLENE

Henrik MALCHAU, Charles BRAGDON, Meridith GREENE, Harry RUBASH, Andrew FREIBERG (United States)

26778 ACETABULAR CUP WITH PRE ASSEMBLED CERAMIC LINER. A PROGRESS TO AVOID CERAMIC LINER BREAKAGE

David DAGRENAT, N. MONCADE, T. GRADEL, L. DEVUN (France)

25562 INFLUENCE OF IMPACTING CERAMIC INSERTS ON PROPER SEATING IN ACETABULAR CUPS FOR HIP IMPLANTS

Thomas PANDORF, Roman PREUSS (Germany)

23694 REVIEW OF CERAMIC-CERAMIC BEARINGS IN HYDROXYAPATITE CERAMIC COATED HIP IMPLANTS: A CLINICAL AND RADIOLOGICAL EVALUATION WITH UP TO EIGHTEEN YEAR FOLLOW-UP

James BUCHANAN, David FLETCHER, Peter LINSLEY (United Kingdom)

- 24073 A MULTI-CENTER STUDY OF THE MID-TERM FOLLOW-UP RESULTS OF HIGHLY CROSS-LINKED POLYETHYLENE THR COMPONENTS**
Henrik MALCHAU, Charles BRAGDON, John MARTELL, John CLOHISY, Richard WHITE, Victor GOLDBERG, Craig DELLA VALLE, Daniel BERRY, Bryan JARRETT, William HARRIS (United States)
- 26380 PREVENTION OF IMPINGEMENT IN TOTAL HIP ARTHROPLASTY BY NECK MODULARITY: DOES IT WORK IN PRACTICE?**
Damian GRIFFIN (United Kingdom)
- 23322 INFLUENCE OF DESIGN- AND MANUFACTURING-RELATED PARAMETERS TO WEAR IN METAL-ON-METAL HIP JOINT REPLACEMENTS**
J. Philippe KRETZER, Eike JAKUBOWITZ, Jörn REINDERS, Robert SONNTAG (Germany)
- 23289 FROM LFA (LOW FRICTION ARTHROPLASTY) TO MOM (METAL ON METAL) ARE WE ANY BETTER?**
Maher HALAWA, Mahmoud ABDEL KARIM (United Kingdom)
- 26503 STABILITY OF 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)
- 26631 PREVALENCE OF ADVERSE LOCAL TISSUE REACTION IN METAL ON METAL HIP ARTHROPLASTY**
Anuj JAISWAL, Karadi Hari SUNIL KUMAR, S.C. BUDITHI, Bernhard TINS, Jan-Herman KUIPER, James B. RICHARDSON (United Kingdom)
- 25721 A PROSPECTIVE OBSERVATIONAL STUDY OF OSTEOARTHRITIS TOTAL HIP REPLACEMENT PATIENTS TREATED WITH AND WITHOUT A METAL SHELL AND A NEW TYPE OF ACETABULAR COMPONENT**
Sabine MAI, Burkhard MAI, Werner SIEBERT (Germany)

18:00 **Opening Ceremony & Welcome Reception**
(in Congress Hall)

Tuesday, 31 August 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 BRITTBORG (Sweden)

CARTILAGE REPAIR

Wayne AKESON (United States)

23805 TREATMENT OF OSTEOARTHRITIS WITH INFRA PATELLAR FAT PAD DERIVED MESENCHYMAL STEM CELLS IN RABBIT

Seifollah DEGHANI NAZHVANI, Abasali GHADERI, Fatemeh Sadat TOGHRAEI, M.A. GHOLIPOOR, Niloofer 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, İlhami 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)

- 23307 MOTION ANALYSIS OF THE SHOULDER AFTER A REVERSE SHOULDER PROSTHESIS**
T.D.W. ALTA¹, J.M.H. BERGMANN², T.W.J. JANSSEN¹, H.E.J. VEEGER¹, B.J. BURGER¹, W.J. WILLEMS¹
¹(Netherlands), ²(United Kingdom)
- 25840 OBJECTIVE AND SUBJECTIVE RESULTS OF REVERSE TOTAL SHOULDER REPLACEMENT. SHOULD IT BE RESERVED TO PATIENTS OLDER THAN 75 ONLY?**
Konrad Sebastian WRONKA, Amit SINHA (United Kingdom)
- 24297 EARLY RESULTS OF VERSO® INVERSE POLARITY SHOULDER REPLACEMENT FOR ROTATOR CUFF ARTHROPATHY**
Paraskumar MOHANLAL, Amit TOLAT (United Kingdom)
- 26195 1 TO 7.5 YEARS FOLLOW UP OF RESURFACING HUMERAL HEAD IMPLANTS**
Eric PETROFF, Stephane AUDEBERT (France)
- 25167 MANAGEMENT OF ROTATOR CUFF ARTHROPATHY WITH SHOULDER RESURFACING AND SUBSCAPULARIS Z-PLASTY**
Sitaram GIRI, Shiv Asish JAIN, Ashvin PIMPALNERKAR (United Kingdom)
- 24313 MEASUREMENT OF MIGRATION OF A HUMERAL HEAD RESURFACING PROSTHESIS USING RADIOSTEREOMETRY WITHOUT IMPLANT MARKING. AN EXPERIMENTAL STUDY**
Magnus ÖDQUIST, Olof SKÖLDENBERG (Sweden)
- 24129 SHOULDER PROSTHESIS WITH OR WITHOUT STEM? 59 CONSECUTIVE SHOULDER REPLACEMENTS USING THE TESS IMPLANT**
Arkan SAYED-NOOR, Göran SJÖDÉN, Nader MAFI, Sigge NORBERG, Bakir KADUM (Sweden)
- 24060 PROSTHETIC OVERHANG MOST EFFECTIVE WAY TO PREVENT SCAPULAR CONFLICT IN REVERSE TOTAL SHOULDER PROSTHESIS**
Pieter BEEKMAN¹, Lieven DE WILDE¹, Didier PONCET², Anders EKELUND³
¹(Belgium), ²(France), ³(Sweden)

18:00 **Opening Ceremony & Welcome Reception**
(in Congress Hall)

Tuesday, 31 August
Room F4

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**

Trauma
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, Tetushi KUBOTA, Akihiro FUKU (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 LUPESCU, Mihail NAGEA, Gheorghe Ion POPESCU, Cristina PATRU, Cornelia VASILACHE, Doriana LUPESCU (Romania)

25136 ROLE OF INTRAVENOUS STEROIDS IN THE PROPHYLAXIS OF POST TRAUMATIC HYPOXEMIA AND FAT EMBOLISM SYNDROME IN HIGH RISK PATIENTS

Vibhu Krishnan VISWANATHAN, Ramesh Kumar SEN, Sakthivel Rajan RAJARAM MANOHARAN (India)

24552 OPERATIVE TREATMENT OF UNSTABLE PELVIC INJURIES

Alexey SMIRNOV, Michail MAKURIN (Russia)

15:00-15:30 *Coffee break*

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

Cartilage

Moderator:

Stephen ABELOW (United States)

MACI – MATRIX AUTOLOGOUS CHONDROCYTE IMPLANTATION – SEVEN YEARS' EXPERIENCE

Stephen ABELOW (United States)

STEM CELLS – CONCEPT AND APPLICATIONS IN ARTICULAR CARTILAGE

Mats BRITTBURG (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

	Congress Hall	H1	G4	F1	F2	F4	F5
08:00-09:30	Symposium Trauma – Proximal Femoral Fractures	Free Papers Trauma Shoulder/Elbow	Free Papers Arthroplasty Knee	Lecture Free Papers Tumours Giant Cells	Lecture Free Papers Trauma Forearm/Wrist	Symposium Biomaterials - Novel Strategies in Biomaterials and Regenerative Medicine	
09:30-10:15	<i>Coffee break</i>						
10:15-10:45	Plenary Lecture Shinichi Kikuchi						
10:45-12:15	Lecture	Symposium Improvement of knee prosthetic surgery – Recommendations based on experience from the Nordic registers	Free Papers Trauma Humerus	Lecture	Symposium Treatment of fractures in the osteoporotic spine	Lecture	
	Free Papers Arthroplasty Hip			Free Papers Trauma Knee			Free Papers Spine
12:15-13:30	Industry Symposia Biomet (in room J1) / KCl (in room F3)						
13:30-15:00		Lecture Free Papers Trauma Elbow	Lecture Free Papers Trauma Upper Femur	Free Papers General Orthopaedics	Free Papers Sports Medicine Ankle/Foot	Lecture Free Papers Tumours Soft Tissue/Sarcomas	Symposium Lessons from the Swedish Hip, Knee & Spine National Quality Registers
15:00-15:30	<i>Coffee break</i>						
15:30-16:00	Presidential Lecture Cody Büngrer						
16:00-17:45	Symposium Injury Prevention – A Focus on Cross-Border Interventions	Symposium Arthroplasty Registers – The International Perspective	Lecture Free Papers Trauma Tibia/Fibula	Symposium SOF/IFPOS: Infections in Paediatric Orthopaedics	Lecture Free Papers Spine Surgery/Fusion	Symposium The Malunited Stiff Shoulder / Stiff Elbow	
		Free Papers Arthroplasty Hip					

Wednesday, 1 September
Congress Hall

08:00-09:30 **Symposium**

Trauma - Proximal Femoral Fractures

Moderators:

Vilmos VÉCSEI (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 SMAILYŠ¹, 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 FENSTAD², Ove FURNES², Göran GARELLICK¹, Leif HAVELIN², Sören OVERGAARD³, Alma PEDERSEN³, Johan KÄRRHOLM¹
¹(Sweden), ²(Norway), ³(Denmark)
- 25172 TWO RESURFACING HIP REPLACEMENTS COMPARISON: 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)

Wednesday, 1 September
Room H1

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 INJURY AND LATERAL END CLAVICLE FRACTURES – OUR EXPERIENCE IN 23 PATIENTS**
Sitaram GIRI, K. KATAM, Paresh SONSALE (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, Jón KARLSSON¹, Alex CASTAGNA²
¹(Sweden), ²(Italy)

23624 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)

09:30-10:15 *Coffee break*

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

26869 INTERNATIONAL COLLABORATION BEYOND THE CULTURE GAP

Shinichi KIKUCHI (Japan)

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

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

Moderator:

Lars LIDGREN (Sweden)

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

12.15-13.00 **Biomet** (in Room J1):

Signature, Patient Specific Instrumentation in TKA

Moderator:

Emmanuel THIENPONT (Belgium)

Wednesday, 1 September
Room H1

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 HEMIARTHOPLASTY FOR COMMINUTED DISTAL HUMERUS FRACTURES OF THE ELDERLY**
Klaus BURKHART¹, Stefaan NIJS², Stefan MATTYASOVSKY¹, 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, Mugtaba AMIN, Seamus MORRIS, Joseph SPARKES (Ireland)
- 25093 SIDE SWEEP INJURIES AROUND ELBOW**
Mrinal SHARMA (India)

25797 MANAGEMENT OF ADULT PROXIMAL ULNAR FRACTURE WITH DIFFERENT METHODS OF PLATE FIXATION ALONG WITH A DESCRIPTION OF BADO I AND II COMMUNUTED 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)

25755 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, Gheorghie PANAIT (Romania)

24940 ROLE OF PATELLAR REPLACEMENT IN TOTAL KNEE ARTHROPLASTY – A RETROSPECTIVE STUDY

Manuel RIBEIRO DA SILVA, Paulo OLIVEIRA, Nuno NEVES, Pedro RODRIGUES, Rui RIBEIRO, Carlos SIMÕES, Vítor VIDINHA, Rui PINTO, Abel TRIGO CABRAL (Portugal)

26624 HYBRID COMPONENT FIXATION IN TOTAL KNEE ARTHROPLASTY; 10-27 YEARS FOLLOW UP

Taik-Sun KIM, Jung-Ro YOON, Jae-Hyuk YANG, Hyuk JEGAL, Jun-Ho LEE, Mi-Nyeo YOON (Korea)

24005 TOTAL KNEE REPLACEMENT IN VARUS KNEES WITH BONE DEFECTS

Mrinal SHARMA, Yatinder KHARBANDA (India)

26580 EFFECT OF FEMORAL COMPONENT DESIGN ON PATELLAR TRACKING IN TOTAL KNEE ARTHROPLASTY

Raman THAKUR¹, Ajit DESHMUKH², Panagopoulus GEORGIA², Jose RODRIGUEZ²
¹(United Kingdom), ²(United States)

26214 FEMORAL SIZE IS ROTATION DEPENDENT

Emmanuel THIENPONT (Belgium)

**Wednesday, 1 September
Room G4**

25051 EX VIVO STABILITY LOSS OF HIGHLY CROSS LINKED ULTRA-HIGH MOLECULAR WEIGHT POLYETHYLENE (UHMWPE)
Orhun MURATOGLU, Keith WANNOMAE, Shannon ROWELL, Brad MICHELI, Henrik MALCHAU (United States)

25620 DRAINS AND TOTAL KNEE REPLACEMENTS – DO WE REALLY NEED THEM?
Rahul KAKKAR, M.J. DAWSON (United Kingdom)

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

09:30-10:15 *Coffee break*

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

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

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

Trauma
Humerus

Moderators:

Ian LESLIE (United Kingdom)

Jan TIDERMARCK (Sweden)

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

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

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

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

- 23949 FRACTURES OF PROXIMAL HUMERAL HEAD: CLINICAL AND RADIOGRAPHIC RELATIONSHIP IN PATIENTS WITH AVASCULAR NECROSIS HEAD**
 Juan Gabino GOMEZ MONT, Enrique CALETI, Felix GIL ORBEZO, Miguel Angel CLARA, Efrain FARIAS, Jorge CARDENAS (Mexico)
- 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. Mussa 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)

- 26417 DISLOCATION AND REOPERATION RATE IN UNIPOLAR AND BIPOLAR EXETER HIP HEMIARTHROPLASTY IN PATIENTS WITH FEMORAL NECK FRACTURES**
Lasse LAPIDUS, Carl Johan HEDBÄCK, Hans TÖRNKVIST, Anders ENOCSON (Sweden)
- 26042 NO GENDER DIFFERENCES IN MORTALITY AND FUNCTIONAL OUTCOME AFTER HIP FRACTURE IN PATIENTS WITH NORMAL COGNITIVE FUNCTION**
Bodil SAMUELSSON, Margareta HEDSTRÖM, Sari PONZER, Anita SÖDERQVIST, Eva SAMNEGÅRD, Karl-Göran THORNGREN, Tommy CEDERHOLM, Maria SÄÄF, Nils DALÉN (Sweden)
- 25018 TREATMENT OF HIP FRACTURES USING A MINIMAL INVASIVE APPROACH FOR BIPOLAR ARTHROPLASTY – A RANDOMIZED TRIAL**
Andreas UNGER, Felix RENKEN, Matthias BRAHM, Svenja RENKEN, Arndt P. SCHULZ (Germany)
- 25105 RETROSPECTIVE AND PROSPECTIVE STUDY OF OSTEOSYNTHESIS OF FRACTURE NECK FEMUR TREATED BY FIBULAR GRAFTING WITH OR WITHOUT COMPRESSION HIP SCREWS**
Anubhav AGARWAL, Amit AGARWAL (India)
- 26569 BACKGROUND FACTORS IN YOUNG PATIENTS WITH FEMORAL NECK FRACTURES**
Amer AL-ANI, Bodil SAMUELSSON, Wilhelmina EKSTRÖM, Richard BLOMFELDT, Gustav NEANDER, Jan TIDERMARK, Margareta HEDSTRÖM (Sweden)
- 23959 HIP HEMIATHROPLASTY IN FEMORAL NECK FRACTURES CEMENTED VS UNCEMENTED – A COMPARATIVE STUDY**
Narayana Prasad KARAKKAD, Kishan PARALAYA (India)
- 26519 RESULTS AFTER CERVICAL HIP FRACTURE, A RETROSPECTIVE STUDY AT SÖDRA ÄLVSBORGS HOSPITAL (SÅS) BORÅS**
Vasileios SARA KATSIANOS, Michael MÖLLER (Sweden)
- 25117 A NEW LOCKING PLATE AND DYNAMIC SCREW SYSTEM FOR INTERNAL FIXATION OF INTRACAPSULAR HIP FRACTURES; RESULTS FOR THE FIRST 211 PATIENTS TREATED**
Nikolas JAGODZINSKI, Martyn PARKER (United Kingdom)
- 26035 THE ROLE OF PFNA BLADE IN THE TREATMENT OF FEMORAL NECK FRACTURES**
László GERA, Tamás BÁNYAI, Levente PÓCS (Hungary)

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

15:00-15:30 *Coffee break*

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

GLOBAL CHALLENGES IN ORTHOPAEDICS

Cody BÜNGER (Denmark)

16:00-17:45

Lecture

Free Papers

Trauma

Tibia / Fibula

Moderators:

Galal Zaki SAID (Egypt)

Magnus KARLSSON (Sweden)

MANAGEMENT OF DIAPHYSEAL NON-UNION

Galal Zaki SAID (Egypt)

23264 COMPARISON OF DIFFERENT TIBIAL SHAFT FRACTURE TREATMENT IN ADULTS (1000 CASE STUDY)

Firooz MADADI, Alireza EAJAZI, Firoozeh MADADI (Iran)

25767 RESULTS OF SURGICAL TREATMENT OF TIBIA NON-UNIONS AND FALSE JOINTS

Alexandre BELETSKY, Alexandre LINOV, Alexandre SITNIK, Oleg KORZUN (Belarus)

23265 EPIDEMIOLOGY OF ADULT'S TIBIAL SHAFT FRACTURE

Firooz MADADI, Alireza EAJAZI, Firoozeh MADADI (Iran)

26577 TREATMENT OF OPEN FRACTURES IN RATS WITH A COMBINATION OF BMP AND BISPHOSPHONATES CAUSES BOTH INCREASED FORMATION AS WELL AS INCREASED RETENTION OF THE NEW FORMED CALLUS

Magnus TÄGIL¹, Per BOSEMARK¹, Hanna ISAKSSON²

¹(Sweden), ²(Finland)

23583 A PROSPECTIVE RANDOMISED TRIAL TO COMPARE THE USE OF CLOSED INTRAMEDULLARY NAILING WITH THE PERCUTANEOUS PLATING IN THE TREATMENT OF DISTAL METAPHYSEAL FRACTURES OF TIBIA

Jiong Jiong GUO, Huilin YANG, Tiansi TANG (China)

Wednesday, 1 September
Room G4

- 24123 GROWTH FACTOR RELEASE FOLLOWING TIBIAL FRACTURE**
Kambiz SARAHRUJI, Gholam PAJENDA, Vilmos VÉCSEI (Austria)
- 25540 RESULTS OF FRACTURE TIBIA USING DCP IMPLANT WITH MIPO METHOD AND TECHNOLOGY**
Sanjib Kumar BEHERA (India)
- 25719 ARTHROSCOPIC-ASSISTED OSTEOSYNTHESIS OF TIBIAL PLATEAU FRACTURES**
Oleg BONDAREV, Alexandre SITNIK, Alexandre BELETISKY (Belarus)
- 25786 ROLE OF BONE TRANSPORT USING A STACKED TAYLOR SPATIAL FRAME IN THE MANAGEMENT OF BONE DEFECTS OF THE TIBIA**
Taher YOUSRI, Andrew MCBRIDE, Steve MITCHELL, Monsell FERGAL, James LIVINGSTONE, Roger ATKINS, Mark JACKSON (United Kingdom)
- 25989 MICROSURGICAL TRANSPLANTATION OF COMPLEX VASCULARIZED FIBULAR GRAFT IN TREATMENT OF PATIENTS WITH LONG BONES DEFECTS**
Igor KURINNYI, Sergiy STRAFUN, Oleksandr STRAFUN (Ukraine)

**Wednesday, 1 September
Room F1**

08:00-09:30

Lecture

Free Papers

**Tumours
Giant Cells**

Moderators:

Dariush GOURAN SAVADKOOHI (Iran)

Björn GUNTERBERG (Sweden)

26818 CLINICAL ASPECTS AND PROGNOSTIC FACTORS OF GIANT CELL TUMOURS OF BONE

Miklós SZENDRŐI, Zoltán SÁPI, Imre ANTAL (Hungary)

24344 MOLECULAR PATHOGENESIS OF THE GIANT CELL TUMOR OF THE BONE

Yangguan WU¹, Jen Gwang HSIU¹, Kenneth SOMERS¹, Edward YANG¹, Anming CHEN²
¹(United States), ²(China)

24360 OSSIFYING MASS: BENIGN TUMOR OR MINERALIZING MALIGNANT SOFT TISSUE TUMOR – DIAGNOSTIC DILEMMA & MANAGEMENT

Ashok KUMAR, Akram JAWED, Shah KHAN, Chandra YADAV, Shishir RASTOGI (India)

25204 CLINICAL, X-RAY AND HISTOLOGICAL DIAGNOSTICS OF STERNUM NEOPLASMS AND THEIR SURGICAL TREATMENT

Ludmila PASHKEVICH, Iosif VORONOVICH, Ihar SHPILEUSKI (Belarus)

25892 MANAGEMENT OF GIANT CELL TUMOR OF LOWER END OF RADIUS: A COMPARATIVE STUDY

Saranatra WAIKAKUL (Thailand)

24486 INDICATION AND RESULTS OF EN BLOCK RESECTION IN AGGRESSIVE GIANT CELL TUMOR (GCT): 20-YEARS PERIOD STUDY

Dariush GOURAN SAVADKOOHI, Babak SIAVASHI, Seyyed Siamak REZANEZHAD, Mozghan SEIFI, Mohammad GOURAN SAVADKOOHI (Iran)

23212 GIANT CELL TUMOUR OF THE DISTAL RADIUS: WIDE RESECTION AND RECONSTRUCTION BY NON-VASCULARISED PROXIMAL FIBULAR AUTOGRAFT

Ayman BASSIONY (Egypt)

Wednesday, 1 September
Room F1

- 25735 SURGERY OF GIANT-CELL TUMORS (GCT)**
Aleh KEZLIA, Ivan CHARHOVICH, Vladislav ERMOLOVICH, Alexander BENKO, Konstantine CHACHELKO (Belarus)
- 23211 CRYOSURGERY AND IMPACTION SUBCHONDRAL 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 AUTOGRAFT

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)

- 26136 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)
- 26585 INTEGRATED CARE PATHWAYS IN TOTAL JOINT ARTHROPLASTY – ARE THEY EFFECTIVE? THE CAMBRIDGE EXPERIENCE**
Shruti RAUT, Christian MERTES, Vikas KHANDUJA (United Kingdom)
- 23356 TREATMENT OF PATIENTS WITH PSEUDARTHROSES AND BONE DEFECTS WITH THE METHOD OF TRANSOSSEOUS OSTEOSYNTHESIS AFTER ILIZAROV**
Dmitry BORZUNOV (Russia)
- 23369 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)
- 25534 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)
- 26053 PERIOPERATIVE CELECOXIB ADMINISTRATION FOR PAIN MANAGEMENT AFTER TOTAL KNEE ARTHROPLASTY A DOUBLE-BLIND, RANDOMIZED CONTROLLED STUDY**
Ching-Chuan JIANG (Taiwan)
- 26389 THE IMPACT OF SMOKING ON COMPLICATIONS AFTER OPERATIVELY TREATED ANKLE FRACTURES – A FOLLOW-UP STUDY ON 906 PATIENTS**
Hans NÅSELL, 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)

16:00-17:45

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 F1

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 KIRSCHNER 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)

22859 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)

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

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

09:30-10:15 *Coffee break*

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

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

10:45-11:30 **Symposium**

Treatment of fractures in the osteoporotic spine

Moderator:
Paul 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)

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 FAHLGREN, Per ASPENBERG (Sweden)
- 26160 DIAGNOSTIC INTERVENTION IN PERSISTENT PAIN AFTER ANKLE SPRAIN DETECTED TALAR INJURIES IN ALL CASES**
Dimosthenis ALASEIRLIS, Ioannis TERZIDIS, Eleftherios STEFAS, Konstantinos MICHAIL, Vasilios PAPAIOANNOU (Greece)
- 24569 HISTOPATHOLOGY OF THE SUBCALCANEAL INSERTION SITE OF THE PLANTAR FASCIA – HEEL SPUR IS NOT A TRACTION SPUR**
Takenori MATSUDA, Tsukasa KUMAI, Ichiro HIGASHIYAMA, Yasushi SHINOHARA, Yasuhito TANAKA, Yoshinori TAKAKURA (Japan)
- 24419 DEVELOPMENT AND VALIDATION OF THE SPORTS ATHLETE FOOT AND ANKLE SCORE: AN INSTRUMENT FOR SPORTS-RELATED ANKLE INJURIES**
Marjolein 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, Rajja 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)

- 26773 A PROSPECTIVE RANDOMIZED TRAIL BETWEEN TRANSFORAMINAL (TLIF) AND INSTRUMENTED POSTEROLATERAL FUSION (PLF) – A ONE YEAR FOLLOW-UP**
Kristian HØY, Bent NIEDERMAN, Peter HELMIG, Ebbe Stender HANSEN, Li Hei SHENG, Thomas ANDERSEN, Cody BÜNGER (Denmark)
- 24101 COMPARISON OF MONOSEGMENTAL POSTERIOR LUMBAR INTERBODY FUSION BETWEEN CAGE AND ALLOGRAFT MIXED WITH AUTOLOGOUS BONE MARROW**
Yongsoo CHOI, Daehee KIM (Korea)
- 26185 IMPROVED QUALITY OF LIFE, PAIN, AND FUNCTION AFTER SPINAL FUSION IN CHRONIC LOW BACK PAIN ARE NOT DEPENDENT ON OPERATIVE TECHNIQUE: 2-YEAR-RESULTS OF 822 PATIENTS TREATED WITH POSTEROLATERAL OR POSTERIOR INTERBODY FUSION FROM THE SWEDISH NATIONAL SPINE REGISTER**
Yohan ROBINSON, Bengt SANDÉN (Sweden)
- 24905 RISK FACTORS OF NONUNION AFTER LUMBAR POSTEROLATERAL FUSION**
Chul Won LEE, Kyu Yeol LEE, Hyeon Jun KIM (Korea)
- 25688 FACET JOINT BIOMECHANICS AT THE TREATED AND ADJACENT LEVELS AFTER TOTAL DISC REPLACEMENT**
Evalina BURGER, Sergiu BOTOLIN, Christian PUTTLITZ, Todd BALDINI, Anthony PETRELLA, Celeste ABJORNSON, Vikas PATEL (United States)
- 26735 ADJACENT SEGMENT DEGENERATION AFTER LUMBAR SPINAL FUSION: THE IMPACT OF ANTERIOR COLUMN SUPPORT – A RANDOMIZED CLINICAL TRIAL WITH AN 8- TO 13-YEAR MRI FOLLOW-UP**
Cody BÜNGER, Tina Senholt VIDEBAEK (Denmark)
- 25183 A FULL ECONOMIC EVALUATION OF DISC PROSTHESIS VS. LUMBAR FUSION IN PATIENTS WITH CHRONIC LOW BACK PAIN – A RANDOMIZED CONTROLLED TRIAL WITH TWO-YEAR FOLLOW UP**
Peter FRITZELL, Svante BERG, Tycho TULLBERG, Fredrik BORGSTRÖM, Hans TROPP (Sweden)
- 24199 DISC HEIGHT AND MOTION PATTERNS IN THE LUMBAR SPINE IN PATIENTS TREATED WITH TOTAL DISC REPLACEMENT OR FUSION FOR DISCOGENIC BACK PAIN. RESULTS FROM A RANDOMIZED CONTROLLED TRIAL**
Svante BERG¹, Hans TROPP¹, Gunnar LIEVSETH²
¹(Sweden), ²(Norway)

Wednesday, 1 September
Room F4

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 BRÅNEMARK (Sweden)

26848 IMPLANTATION OF A NOVEL SYNTHETIC, BIODEGRADABLE SCAFFOLD FOR MENISCUS TISSUE REGENERATION
Peter VERDONK, Wouter HUYSSSE, 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 BÜNGER (Denmark)
- 26303 OSSEOINTEGRATION ON THE NANO-LEVEL REVEALED BY FOCUSED ION BEAM (FIB) AND TRANSMISSION ELECTRON MICROSCOPY (TEM) ANALYSIS**
Anders PALMQUIST, Kathryn GRANDFIELD, Håkan ENGQVIST, Peter THOMSEN (Sweden)
- 25601 EMBROIDERED AND SURFACE MODIFIED POLYCAPROLACTONE-CO-LACTIDE SCAFFOLDS AS BIOARTIFICIAL BONE SUBSTITUTE – IN VITRO CHARACTERIZATION AND IMPLANTATION IN CRITICAL SIZE DEFECTS IN THE SHEEP TIBIA**
Claudia RENTSCH, Barbe RENTSCH, Ricarda HESS, Annette BREIER, Dieter SCHARNWEBER, Ricardo BERNHARDT, Achim BIEWENER, Hans ZWIPP (Germany)
- 25327 SURFACE MODIFICATION OF MAGNESIUM-BASED ORTHOPAEDIC IMPLANTS BY AL₂O₃ PLASMA IMMERSION ION IMPLANTATION (PIII)**
Kelvin YEUNG, Hoi Man WONG, Kin On LAM, Vivian TAM, Paul CHU, Keith LUK, Kenneth CHEUNG (Hong Kong)
- 22864 STATIC MAGNETIC FIELD CONCURRENT WITH AUTOGENOUS BONE MARROW EFFECTS ON BONE DEFECT HEALING**
Zahra SHAFIEI SARVESTANI, Amin BIGHAM SADEGH, Mohamad SHADKHAHAST, Homayon Reza SHAHBAZKIA (Iran)
- 25258 BIOENGINEERED PERIOSTEAL PROGENITOR CELL SHEETS TO ENHANCE TENDON GRAFT-BONE HEALING IN ACL RECONSTRUCTION**
Chih-Hwa CHEN, Chien-Hao CHEN, Chih-Hsiang CHANG, Chun-I SU, Kun-Chung WANG, Hsien-Tao LIU, Chung-Ming YU, Chak-Bor WONG, I-Chun WANG (Taiwan)
- 26120 CO-SUBSTITUTED STRONTIUM AND SILICON APATITE COATINGS FOR METALLIC IMPLANTS**
Carl LINDAHL, Wei XIA, Jukka LAUSMAA, Per BORCHARDT, Peter THOMSEN, Håkan ENGQVIST (Sweden)

Industry 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**

Tumours
Soft Tissue / Sarcomas

Moderators:
Wichien LAOHACHAROENSOMBAT (Thailand)
Peter BERGH (Sweden)

COMPLICATIONS AND PITFALLS OF SOFT-TISSUE SARCOMA TREATMENT

Gwen SYS (Belgium)

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

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

25360 COMPLICATIONS IN SACRAL AMPUTATION FOR CHORDOMA

Wichien LAOHACHAROENSOMBAT, Adisak NATTHANARUNG, Ekkawit THAWORN (Thailand)

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

Christine WIBMER, Andreas LEITHNER, Guenter HOFMANN, Heimo CLAR, Magdalena KAPITAN, Andrea BERGHOLD, Reinhard WINDHAGER (Austria)

26465 ENDOPROSTHETIC RECONSTRUCTION OF THE DISTAL TIBIA AND ANKLE JOINT AFTER RESECTION OF PRIMARY BONE TUMOURS

Andreas SHEKKERIS, Sammy HANNA, M.D. SEWELL, B.G.I. SPIEGELBERG, W.J.S. ASTON, G.W. BLUNN, S.R. CANNON, T.W.R. BRIGGS (United Kingdom)

- 24491 THE IMPACT OF SURGICAL MARGIN AND LOCAL RECURRENCE ON OVERALL SURVIVAL FOR INTERMEDIATE AND HIGH GRADE SOFT TISSUE SARCOMA OF THE EXTREMITIES**
Bahtiyar DEMIRALP¹, Joseph ALDERETE², Eduardo NOVAIS², Peter ROSE², Kristy WEBER², Franklin SIM²
¹(Turkey), ²(United States)
- 25848 LEIOMYOSARCOMA OF THE BONE – A SINGLE CENTRE EXPERIENCE WITH 15 CASES OF A RARE ENTITY**
Philipp Theodor FUNOVICS, Martin DOMINKUS (Austria)
- 26466 CLINICAL ASPECTS AND PROBLEMS OF MANAGEMENT OF BONE TUMOURS IN AFRICA**
Farikou IBRAHIMA, Bernadette NGO NONGA, Mathieu MOTAH, Jean BAHEBECK (Cameroon)
- 26196 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)
- 26567 COMBINED EN BLOC CHEST WALL RESECTION AND VERTEBRECTOMY OF PRIMARY MALIGNANT SPINE TUMORS**
Claudia DRUSCHEL, Alexander DISCH, Ingo MELCHER, Norbert HAAS, Klaus-Dieter SCHASER (Germany)
- 26014 ASSESSMENT OF THE TOKUHASHI SCORE AND ITS MODIFICATIONS IN 470 PATIENTS OF AARHUS METASTASES DATABASE WITH VERTEBRAL METASTASES**
Miao WANG, Haisheng LI, Kristian 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 EKHOLM, 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)

Wednesday, 1 September
Room F5

Programme – Thursday, 2 September

	Congress Hall	H1	G4	F1	F2	F4
08:00-09:30	Symposium EFORT: <i>Musculoskeletal Polytrauma</i>	Free Papers Spine Spondylolisthesis/ Low Back Pain/ Basic Science	Lecture Free Papers Sports Medicine Knee/Hip	Lecture Free Papers General Orthopaedics Management in Orthopaedics	Free Papers Infection	Lecture Free Papers Trauma Wrist/Nerve Injury
09:30-10:15	<i>Coffee break</i>					
10:15-10:45	Plenary Lecture Steven Garfin					
10:45-12:15	Symposium JOA: <i>Surgical treatment for primary spinal infection</i>	Symposium <i>The Achilles tendon: Update on treatment of ruptures, late ruptures and tendinosis</i> Free Papers Foot/Ankle	Lecture Free Papers Arthroplasty Hip – Revision/Infections	Symposium <i>How to recruit – and keep – residents in orthopaedic surgery</i>	Free Papers SICOT/SOF/IFPOS: Paediatrics Trauma Upper & Lower Extremities/ Miscellaneous	Lecture Free Papers Trauma Subtrochanteric Fractures
12:15-13:30	Industry Symposium Medtronic (in room F6)					
13:30-15:00	Lecture Free Papers Trauma Petrochanteric Fractures	Free Papers Spine Deformity	Free Papers Arthroplasty Hip – Position/ Approach/Complications	Symposium OSOS: <i>Osseointegration & Amputation Prostheses</i>	Free Papers SICOT/SOF/IFPOS: Paediatrics Limb Lengthening / SCFE/Foot/ Miscellaneous	Free Papers Infection
15:00-15:30	<i>Coffee break</i>					
15:30-16:00	Plenary Lecture Ian Learmonth					
16:00-17:45		Symposium <i>Epiphysen: Hot Topics / Pro and Con Debate</i>	Lecture Free Papers Arthroplasty Hip – Osteotomy/ Avascular Necrosis	Symposium OSOS: <i>Osseointegration</i> Instructional Course <i>Compressive Osseo- integration Technology</i>	Free Papers SICOT/SOF/IFPOS: Paediatrics Perthes Disease/Limb Lengthening/Spine & Hip/Miscellaneous	Lecture Free Papers Arthroplasty Knee

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 ENDOSCOPIC DEBRIDEMENT AND IRRIGATION FOR VARIOUS TYPES OF SPINAL INFECTION AT THORACIC AND LUMBAR SPINE

Manabu ITO, Kuniyoshi ABUMI, Yoshihisa KOTANI, Hideki SUDO, Yuichiro ABE, Akio MINAMI (Japan)

12:15-13:30

Industry 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

Petrochanteric 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

Alicja Joanna BOJAN¹, Claudia BEIMEL², Andreas SPEITLING², Gilbert TAGLANG³, Carl EKHOLM¹, Anders JÖNSSON²

¹(Sweden), ²(Germany), ³(France)

- 24599 TIP TO APEX DISTANCE IN DHS FIXATION. AN AUDIT OF PRACTICE AT A DISTRICT GENERAL HOSPITAL**
Dionysios TRIGKILIDAS, George MURPHY (United Kingdom)
- 24444 FUNCTIONAL OUTCOMES FOLLOWING INTRAMEDULLARY NAILING OF TROCHANTERIC HIP FRACTURES: A PILOT MULTICENTER, RANDOMIZED CONTROLLED TRIAL**
Mohit BHANDARI¹, Alicja BOJAN², Carl EKHOLM², Ole BRINK³, Anthony ADILI¹, Sheila SPRAGUE¹, Nasir HUSSAIN¹, Anders JÖNSSON⁴
¹(Canada), ²(Sweden), ³(Denmark), ⁴(Germany)
- 23584 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)
- 25113 INTRAMEDULLARY FIXATION WITH A THIRD GENERATION NAIL VERSUS THE SLIDING HIP SCREW FOR TROCHANTERIC HIP FRACTURES; A RANDOMISED TRIAL OF 600 PATIENTS**
Nikolas JAGODZINSKI, Martyn PARKER (United Kingdom)
- 22837 USE OF PROXIMAL FEMORAL NAILING ANTIROTATION (PFNA) FOR HIP FRACTURES**
Kiran SINGISETTI, Nicholas COOKE (United Kingdom)
- 25717 COMPARATIVE STUDY BETWEEN DYNAMIC HIP SCREW AND PROXIMAL FEMORAL LOCKED PLATE IN THE TREATMENT OF INTERTROCHANTERIC FEMORAL FRACTURES WITH DISTAL EXTENSION INTO SHAFT OF FEMUR**
Waleed ARAFAT, Nehad EL MAHBOUB (Egypt)
- 23797 A BIOMECHANICAL ANALYSIS OF LAG SCREW POSITION IN THE FEMORAL HEAD FOR CEPHALOMEDULLARY NAILS USED TO FIX UNSTABLE PERITROCHANTERIC FRACTURES**
James WADDELL, Paul KUZYK, Zdero RADOVAN, Suraj SHAH, Michael OLSEN, Gordon HIGGINS, Emil SCHEMITSCH (Canada)

15:00-15:30 *Coffee break*

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

WHAT WILL SHAPE IMPROVEMENT IN THA IN THE FUTURE – TECHNOLOGY, TECHNIQUE OR TRAINING?

Ian LEARMONTH (United Kingdom)

**Thursday, 2 September
Room H1**

08:00-09:30

Free Papers

Spine

Spondylolisthesis / Low Back Pain / Basic Science

Moderators:

Cody BÜNGER (Denmark)

Tommy HANSSON (Sweden)

25211 A 29 YEAR FOLLOW-UP OF PATIENTS WITH ISTHMIC SPONDYLOLISTHESIS GRADE III-V TREATED WITH FUSION IN SITU AT YOUNG AGE

Anders JOELSON, Karin FRENNERED (Sweden)

25404 THE EFFECTS OF INTERVERTEBRAL DISC CELLS ON NERVE TISSUE

Karin LARSSON, Eva RUNESSON, Katarina JUNEVIK, Björn RYDEVIK, Helena BRISBY (Sweden)

25936 THE IMPACT OF FEAR-AVOIDANCE MODEL VARIABLES ON DISABILITY IN PATIENTS DIVIDED IN TWO SUBGROUPS: SPECIFIC OR NON-SPECIFIC CHRONIC LOW BACK PAIN

Mari LUNDBERG, Karin FRENNERED, Olle HÄGG, Jorma STYF (Sweden)

26457 A POTENTIAL SPECIFICITY PROBLEM REVEALED BY INTRADISCAL PRESSURE INCREASE TRANSFERRED TO ADJACENT DISCS DURING DISCOGRAPHY

Hanna BOLMINGER HEBELKA, Arne GAULITZ, Andreas NILSSON, Sten HOLM, Tommy HANSSON (Sweden)

25988 THE EFFECTS OF MAL-PLACEMENT ON THE KINEMATICS OF THE INTERVERTEBRAL DISC ALLOGRAFT TRANSPLANTATION

Keith D-K LUK¹, Stephen K.L. LAM¹, Jun XIAO², Dike RUAN², Yu DING², William W. LU¹
¹(Hong Kong), ²(China)

25203 HISTOLOGICAL CHANGES IN THE YOUNG PORCINE LUMBAR SPINES AFTER CYCLIC LOADING

Olof THORESON, Adad BARANTO, Lars EKSTRÖM, Hans-Arne HANSSON, Mikael HELLSTRÖM, Leif SWÄRD (Sweden)

25169 EFFECT OF ANNULAR TEARS ON LUMBAR DISC BIOMECHANICS

Gunnar ANDERSSON, Raghu NATARAJAN (United States)

26201 HUMAN LIGAMENTUM FLAVUM CELLS EXPRESSED OSTEOGENESIS IN BONE MORPHOGENETIC PROTEIN-2 TETHER PHOTOPOLYMERIZED GEL

Chih-Hwa CHEN, Chak-Bor WONG, Shu-Wen WHU, Hsia-Wei LIU, Mei-Yun WU (Taiwan)

09:30-10:15 *Coffee break*

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

SPINAL MOTION SPARING: IS IT HERE TO STAY?

Steven GARFIN (United States)

10:45-11:30 **Symposium**

The Achilles tendon: Update on treatment of ruptures, late ruptures and tendinosis

Moderator:

Jan LIDSTRÖM (Sweden)

Karin GRÄVARE SILBERNAGEL, Jón KARLSSON, Katarina NILSSON-HELANDER (Sweden)

11:30-12:15 **Free Papers**

Foot / Ankle

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)

- 25303 FIRST METETRISOFLANGEAL ANKLE REPLACEMENT FOR MANAGEMENT OF HALLUX RIGIDUS**
Igor PAKHOMOV, Mihail SADOVOY, Valery PROHORENKO (Russia)
- 25739 CONCERNING TREATMENT OF OPEN FRACTURES OF ANKLE JOINTS**
Aleh KEZLIA, Konstantine CHACHELKO, Ivan CHARHOVICH (Belarus)

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**

Spine
Deformity

Moderators:
Hwa-Chang LIU (Taiwan)
Rune HEDLUND (Sweden)

- 25334 ANALYSIS OF MRI RESULTS FOR ADOLESCENT IDIOPATHIC SCOLIOSIS WITH SPONDYLOLYSIS AND SPONDYLOLISTHESIS**
Mehmet BALIOGLU, Birol ORAL (Turkey)
- 24131 POSTERIOR CORRECTION OF ADOLESCENT IDIOPATHIC SCOLIOSIS: SOME INTERMEDIATE RESULTS USING DIFFERENT TECHNIQUES**
Sergey MLYAVYKH, Olga PERLMUTTER, Andrey SOSNIN, Andrey LEONTIEV (Russia)
- 24036 TREATMENT OF STATIC SCOLIOSIS AND PELVIC OBLIQUITY**
Ghassan SALAMEH (Syria)
- 26442 NIGHT-TIME PROVIDENCE BRACING COMPARED TO FULL TIME BOSTON BRACING IN ADOLESCENT IDIOPATHIC SCOLIOSIS. A PROSPECTIVE RANDOMIZED STUDY**
Per WESSBERG, Anders NORDWALL (Sweden)
- 24260 RESULTS OF BIPOLAR RELEASE IN THE TREATMENT OF CONGENITAL MUSCULAR TORTICOLIS IN PATIENTS OLDER THAN 10 YEARS OF AGE**
Kamal BALLI, Sudesh PEBAM, Mandeep DHILLON (India)
- 25801 TRUNK PROPORTIONALITY CHANGE FEATURES IN PATIENTS WITH HEAVY PROGRESSIVE SCOLIOTIC SPINE DEFORMITIES**
Darya TESAKOVA, Dmitry TESAKOV (Belarus)

15:00-15:30 *Coffee break*

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

**WHAT WILL SHAPE IMPROVEMENT IN THA IN THE FUTURE –
TECHNOLOGY, TECHNIQUE OR TRAINING?**

Ian LEARMONTH (United Kingdom)

16:00-17:45 **Symposium**

Epiphysen:
Hot Topics

Moderator:

Kim STRANGER (Sweden)

DIRECT TELEMEDICINE

Alexander BÖRVE (Sweden)

NEURONAL MECHANISMS IN TENDON HEALING

Daniel BRING (Sweden)

**VITAMIN D: ASPECTS ON CAUSES, DIAGNOSIS AND BONE
HEALTH**

Greta SNELLMAN (Sweden)

Epiphysen:
Pro and Con Debate

Moderators:

Erica ARVERUD (Sweden)

Camilla BERGH (Sweden)

**FIXATION OF HIP ARTHROPLASTY – WITH OR WITHOUT
CEMENT?**

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**

08:00-09:30

Lecture

Free Papers

Sports Medicine

Knee / Hip

Moderators:

Thami BENZAKOUR (Morocco)

Jón KARLSSON (Sweden)

26861 EVIDENCE-BASED UPDATE: DOUBLE BUNDLE ACL RECONSTRUCTION

Robert A. PEDOWITZ (United States)

24259 PROPRIOCEPTIVE POTENTIAL OF THE RESIDUAL STUMP OF AN INJURED ANTERIOR CRUCIATE LIGAMENT: AN IMMUNOHISTOLOGICAL STUDY

Kamal BALLI, Mandeep DHILLON, R.K. VASHISHTA (India)

23626 ARTHROSCOPIC RECONSTRUCTION OF THE HIP LABRUM WITH GRACILIS AUTOGRAFT

Dean MATSUDA (United States)

24426 THE REHARVESTED PATELLAR TENDON HAS THE POSSIBILITY FOR LIGAMENTIZATION WHEN USED FOR ANTERIOR CRUCIATE LIGAMENT REVISION SURGERY

Sven STENER, Jüri KARTUS, Tomas MOVIN, Lars EJERHED (Sweden)

25902 POOR RESULTS AFTER ALLOGRAFT ACL RECONSTRUCTION WITH CHEMICALLY PREPARED TISSUE

Vasudev SHANBHAG, G. EDWARDS, K. VERAVALI, A.P. DAVIES (United Kingdom)

25788 A POPULATION BASED NATIONWIDE STUDY OF ANTERIOR CRUCIATE LIGAMENT (ACL) INJURY AMONG 55,559 PATIENTS IN SWEDEN

Richard NORDENVALL, Shahram BAHMANYAR, Johanna ADAMI, Carin STENROS, Torsten WREDMARK, Li FELLÄNDER-TSAI (Sweden)

23582 RECONSTRUCTION OF THE MEDIAL PATELLOFEMORAL AND PATELLOTIBIAL LIGAMENTS IN CASES OF RECURRENT PATELLAR DISLOCATION

Ayman EBIED, Adel EL SAIDEY, Ahmed Hany SALEH (Egypt)

Thursday, 2 September
Room G4

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 AILAMAKIS (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)

- 25922 REVISION 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)
- 25656 RECONSTRUCTION OF A SEVERE ACETABULAR DEFECT (PAPROSKY TYPE 3B) USING A TOTAL ACETABULAR ALLOGRAFT**
Rajesh MALHOTRA, Vijay KUMAR, Bhavuk GARG (India)
- 24090 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)
- 26661 2 YEAR FOLLOW UP OF TANTAL AUGMENTATION IN REVISION THA**
Yannic BANGERT, Daniel KENDOFF, Bernd SCHWANTES, Thorsten GEHRKE (Germany)
- 25645 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)
- 25774 AGGRESSIVE EARLY DEBRIDEMENT CAN BE SUCCESSFUL FOR INFECTED TOTAL HIP ARTHROPLASTY**
Mohamed SUKEIK, Fares Sami HADDAD (United Kingdom)
- 25296 IMPINGEMENT FOLLOWING CONTEMPORARY RESURFACING ARTHROPLASTY OF THE HIP**
Youn-Soo PARK, Seung-Jae LIM, Chul-Hee JUNG (Korea)

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

Arthroplasty

Hip - Position / Approach / Complications

Moderators:

Philippe HERNIGOU (France)

KG NILSSON (Sweden)

- 23741 THE EFFECT OF FEMORAL NECK NOTCHING WITH THE BIRMINGHAM MID-HEAD RESECTION**
James P. WADDELL, Michael OLSEN, Peter M. LEWIS, Emil H. SCHEMITSCH (Canada)
- 23002 CONSTRAINED VERSUS STANDARD LINER IN NEUROLOGIC HIP ARTHROPLASTY**
Philippe HERNIGOU, Alexandre POIGNARD, Paolo FILLIPINI (France)
- 23735 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)
- 24274 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)
- 24500 A SPECIFIC COMPLICATION OF DUAL MOBILITY CUP, THE INTRA-PROSTHETIC DISLOCATION**
Remi PHILIPPOT, Bertrand BOYER, Frederic FARIZON (France)
- 23642 INTERPROSTHETIC FEMORAL FRACTURES: ANALYSIS OF OUR EXPERIENCE, AND PRESENTATION OF A NEW CLASSIFICATION SCHEME**
Patrick PLATZER, Monika LUXL, Rupert SCHUSTER, Gerhild THALHAMMER, Manuela JAINDL, Vilmos VÉCSEI (Austria)
- 23767 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)
- 23734 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**

08:00-09:30

Lecture

Free Papers

**General Orthopaedics
Management in Orthopaedics**

Moderators:

William HARRIS (United States)

Kristina ÅKESSON (Sweden)

25049 OPTIMIZATION OF A TEACHING CONFERENCE

William HARRIS (United States)

**24923 MISDIAGNOSIS AND DELAYED DIAGNOSIS IN ORTHOPEDICS
– EVALUATION OF INCIDENT REPORTS AT A JAPANESE
HOSPITAL**

Takashi YAMAZAKI, Yoshiyasu KOKUBO (Japan)

26456 INTERNET USE BY ORTHOPAEDIC OUTPATIENTS

Joseph BAKER¹, James GREEN², Synnott KEITH¹, Michael STEPHENS¹, Ashley POYNTON¹, Kevin MULHALL¹
¹(Ireland), ²(New Zealand)

**25790 MITIGATING GLOBAL MUSCULOSKELETAL BURDEN THROUGH
TRANSNATIONAL ACADEMIC COLLABORATION: IGOT**

Richard COUGHLIN, Jonathan PHILLIPS, Thomas PENOYAR, Amber CALDWELL, Richard GOSSELIN, Harry JERGESEN (United States)

**26131 SURGICAL SAFETY CHECKLISTS: AUDIT OF NPSA AND WHO
CHECKLIST USAGE**

Gill SUKHDEEP, Sunny DEO, Matt OWEN (United Kingdom)

**26149 TONK SCORE; AN OBJECTIVE METHOD OF ANALYSING
MEDICAL NOTES**

Adele Elizabeth SAYERS, Zeeshan KHAN, Iain CHAMBERS (United Kingdom)

24310 POST-OPERATIVE NOTES: DO WE WRITE ENOUGH?

Paraskumar MOHANLAL, Sunil JAIN (United Kingdom)

**25067 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)

Thursday, 2 September
Room F1

- 23942 HEALTH RELATED QUALITY OF LIFE (EQ-5D) BEFORE AND AFTER ORTHOPAEDIC SURGERY**
Karl-Åke JANSSON, Fredrik GRANATH (Sweden)
- 23393 QUALITY OF REFERRALS FROM MINOR INJURIES UNIT**
Santosh VENKATACHALAM, Paul DIXON (United Kingdom)
- 26235 A NOVEL MODEL FOR LEAN PRODUCTION CLINICAL IMPROVEMENTS AND A SUPPORTING INTERNATIONAL DATABASE FOR CLINICAL HEALTHCARE IMPROVEMENT IN GENERAL**
Erik VESTBERG, Kerstin CARLSSON, Dan JOHANNESSON (Sweden)
- 25567 SHO'S BETTER AT CONSENT THAN CONSULTANTS**
Yusuf MIRZA, Sibtain HUSSAIN (United Kingdom)

09:30-10:15 *Coffee break*

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

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

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

How to recruit – and keep – residents in orthopaedic surgery

Moderator:
Cecilia ROGMARK (Sweden)

FEMALE ORTHOPAEDICS
Marie WEDIN, Ilka KAMRAD, Lennart LANDIN, Eva PONTEN
(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 Protheses**

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)

Thursday, 2 September
Room F1

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**

08:00-09:30

Free Papers

Infection

Moderators:

Mohd. Mussa WARDAK (Afghanistan)

Bengt ERICSON (Sweden)

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

**Thursday, 2 September
Room F2**

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)

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

- 26518 ELASTIC STABLE INTRAMEDULLARY NAILING OF SUPRACONDYLAR FRACTURES OF FEMUR IN CHILDREN**
 Vasileios GOULIOS, Theodoros BESLIKAS, Kosmas SIDIROPOULOS, Anastasios CHYTAS, Nikos PANOS, Ioannis CHRISTOFORIDES (Greece)
- 25891 SUPRACONDYLAR FRACTURES OF THE HUMERUS IN CHILDREN – RESULTS OF 10 YEARS OF SURGICAL TREATMENT**
 Sofia FERNANDES, Rui CERQUEIRA, José FRAGA, Tiago BARBOSA, João OLIVEIRA, Joel REIS (Portugal)
- 25184 ORAL RISEDRONATE AS TREATMENT OF OSTEOGENESIS IMPERFECTA**
 Nagy Ahmed SABET (Egypt)

12:15-13:30

Industry 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)

- 23355 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)

- 25138 BONE DEFORMITIES IN CHILDREN TREATED WITH TSF (TAYLOR SPATIAL FRAME). DIFFICULTIES AND RISK OF THIS PROCESS**
 Haridimos TSIBIDAKIS, Vasileios SAKELLARIOU, George MAZIS, Vasileios TSOUPAROPOULOS, George KARALIOTAS, Anastasios KANELLOPOULOS (Greece)

- 23567 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 BASANGOUDHAR, Shivinder GILL (India)

15:00-15:30 *Coffee break*

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

WHAT WILL SHAPE IMPROVEMENT IN THA IN THE FUTURE – TECHNOLOGY, TECHNIQUE OR TRAINING?
Ian LEARMONTH (United Kingdom)

16:00-17:45 **Free Papers**

**SICOT / SOF / International Federation of Paediatric Orthopaedic Societies (IFPOS):
Paediatrics**
Perthes Disease / Limb Lengthening / Spine & Hip /
Miscellaneous

Moderators:
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)

24200 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)

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

Lecture

Free Papers

Trauma

Subtrochanteric Fractures

Moderators:

Andreas H. RUECKER (Germany)

Olle SVENSSON (Sweden)

26825 SUBTROCHANTERIC FRACTURES: NAIL, PLATE AND HUMMINGBIRDS

Andreas H. RUECKER (Germany)

25428 PLATING FOR COMMINUTED SUBTROCHANTERIC & DISTAL FEMORAL FRACTURES: "LET THE BIOLOGY WORK"

Puneet MISHRA, Ish K. DHAMMI, Anil K. JAIN (India)

26433 PROJECTED NUMBER OF HIP FRACTURES IN SWEDEN FROM 2010 TO 2050

Bjorn E. ROSENGREN, Magnus K. KARLSSON (Sweden)

26021 CIRCULAR SUBTROCHANTERIC FEMORAL OSTEOTOMY: TECHNIQUE AND RESULTS OF THE FIRST 9 CASES

Sherif EL GHAZALY (Egypt)

25528 SUBTROCHANTERIC FRACTURE. MANAGEMENT WITH ORIF DYNAMIC COMPRESSION PLATE

Sanjib Kumar BEHERA, Satyanarayana D. SREENIVAS (India)

25321 TREATMENT OF SUBTROCHANTERIC NONUNIONS WITH THE 95-DEGREE BLADE PLATE

Seung-Jae LIM, Jeong-Hoon HAN, Youn-Soo PARK (Korea)

24900 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, Jaime 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 (AMTD) 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)

- 26839 BLOOD MANAGEMENT IN HIP AND KNEE ARTHROPLASTY**
Rob NELISSEN, Cynthia SO-OSMAN, Ronald BRAND, Ankie KOOPMAN VAN HEMERT, Anneke BRAND (Netherlands)
- 25700 REVISION RATE FOR WEAR IN TKA WITH THIN PE INSERTS**
Rob NELISSEN, Bart PIJLS, Enrike VAN DER LINDEN-VAN DER ZWAAG (Netherlands)
- 25736 HOW MUCH TIBIAL RESECTION IS NEEDED IN TOTAL KNEE ARTHROPLASTY?**
Christoph SCHNURR, György CSÉCSEI, Peer EYSEL, Dietmar Pierre KÖNIG (Germany)
- 23228 CORRECTING VARUS DEFORMITY DURING TOTAL KNEE ARTHROPLASTY: THE "INSIDE-OUT" TECHNIQUE**
Chitranjan RANAWAT (United States)
- 25423 RESULTS OF A TKA AFTER KNEE ARTHRODESIS**
Enrike VAN DER LINDEN, Rob NELISSEN (Netherlands)
- 23382 MID-TERM CLINICAL & RADIOLOGICAL RESULTS OF A HYBRID REVISION KNEE PROSTHESIS WITH UNCEMENTED STEM FIXATION**
Gordon HIGGINS¹, Paul KUZYK², Michael OLSEN², Emil SCHEMITSCH², James WADDELL²
¹(United Kingdom), ²(Canada)
- 23153 RADIOGRAPHIC AND CLINICAL PERFORMANCE OF HIGHLY CROSS-LINKED POLYETHYLENE IN YOUNG ACTIVE PATIENTS: EIGHT YEARS FOLLOW-UP**
Chitranjan RANAWAT, Morteza MEFTAH (United States)
- 24571 KNEE ARTHROPLASTY AFTER HIGH TIBIAL OSTEOTOMY IN SWEDEN 1998-2007**
Annette W-DAHL, Otto ROBERTSSON, Stefan LOHMÄNDER (Sweden)
- 25399 TRABECULAR METAL TIBIA IN YOUNGER PATIENTS. A FIVE-YEAR RSA STUDY**
Anders HENRICSON, Kjell G. NILSSON (Sweden)
- 25553 UNCEMENTED POSTERIOR STABILIZED TRABECULAR METAL TIBIA IN HIGH-FLEX KNEES IN YOUNGER PATIENTS. A TWO-YEAR RSA STUDY**
Kjell G. NILSSON, Anders HENRICSON (Sweden)

Programme – Friday, 3 September

	Congress Hall	H1	G4	F1	F2	F4
08:00-09:30	Best Papers Session	Symposium <i>Fragility Fractures in Orthopaedics</i>	Lecture Free Papers Spine Cervical/Lumbar Spinal Stenosis	Symposium OSOS: <i>Compressive osseointegration for endoprosthetic reconstruction</i>	Lecture Free Papers Arthroplasty Knee	Free Papers Trauma Pelvic Fractures
		Free Papers Osteoporosis				
09:30-10:15	<i>Coffee break</i>					
10:15-10:45	Plenary Lecture Tommy Hansson					
10:45-12:15	Symposium <i>Smoking & Orthopaedic Surgery</i>	Symposium <i>Natural Disasters & Orthopaedic Surgery</i>	Lecture Free Papers Arthroplasty Knee	Symposium OSOS: <i>Bone anchored amputation prostheses</i>	Free Papers Trauma Foot/Ankle	Free Papers Biomaterials/ Cartilage Repair
12:15-13:15	Closing Ceremony					

Friday, 3 September Congress Hall

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

08:00-09:30

Lecture

Free Papers

Spine

Cervical / Lumbar Spinal Stenosis

Moderators:

Kandiah RAVEENDRAN (Malaysia)

Helena BRISBY (Sweden)

- 26819 ANTERIOR CERVICAL DISCECTOMY USING CAGES OR ARTHROPLASTY – MINIMAL INVASIVE TECHNIQUE**
Kandiah RAVEENDRAN (Malaysia)
- 25391 BIOMECHANICAL COMPARISON OF ANTERIOR SCREW FIXATION TECHNIQUES FOR TYPE II ODONTOID FRACTURES: 1 VERSUS 2 SCREW TECHNIQUE**
Arndt P. SCHULZ¹, Feng GANG², Robert WENDLANDT¹, Gerhard HEINRICH¹, Sebastian SPUCK¹
¹(Germany), ²(China)
- 24417 THE FLAVUM'S, DISC'S AND EPIDURAL FAT'S CONTRIBUTION TO THE LOAD AND POSITION INDUCED CONSTRICTION OF THE CAUDA EQUINA**
Nobuyuki SUZUKI¹, Takanobu OTSUKA¹, Tommy HANSSON²
¹(Japan), ²(Sweden)
- 25745 DURAL TEAR CAUSE OF DISABILITY**
Anders OLAI, Annica ÖHRN, Hans RUTBERG, Hans TROPP (Sweden)
- 26162 ACUTE CRANIOCERVICAL LIGAMENT INJURIES AFTER MAJOR TRAUMA DESCRIBED WITH HIGH RESOLUTION MRI**
Mari HÄNNI, Claes OLERUD (Sweden)
- 24897 CLINICAL OUTCOMES AND RADIOGRAPHIC ASSESSMENT OF MICROENDOSCOPIC LAMINOTOMY FOR CERVICAL DISC HERNIATION WITH MYELOPATHY**
Takuya MISHIRO, Shoji YAGI, Yoichiro TAKATA (Japan)
- 26562 A CLINICAL AND RADIOGRAPHIC ANALYSIS OF CERVICAL MOTION PRESERVATION BY PEEK ON PEEK CERVICAL DISC REPLACEMENT (POPCDR) SYSTEM**
Sandesh LAKKOL, Sharad BHATNAGAR, Obaidullah ZAFAR, Guru REDDY, Tai FRIESEM (United Kingdom)
- 26247 CERVICAL PEDICLE SCREW PLACEMENT USING O-ARM BASED NAVIGATION SYSTEM**
Yoshimoto ISHIKAWA, Tokumi KANEMURA, Go YOSHIDA (Japan)

- 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 BESHILI (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 endoprosthesis
reconstruction**

Moderator:

Richard J. O'DONNELL (United States)

**COMPRESSIVE OSSEOINTEGRATION: THE EXPERIENCE IN
BELGIUM**

Ignace SAMSON (Belgium)

**COMPRESSIVE OSSEOINTEGRATION OF PROXIMAL FEMORAL
AND DIVERSE ANATOMIC LOCATIONS**

Rosanna L. WUSTRACK (United States)

**COMPRESSIVE OSSEOINTEGRATION FOR DISTAL FEMORAL
GIANT CELL TUMOR RECONSTRUCTION**

Rosanna L. WUSTRACK (United States)

**COMPRESSIVE OSSEOINTEGRATION VERSUS CEMENTED STEM
FIXATION FOR DISTAL FEMORAL RECONSTRUCTION: MATCHED
COHORT STUDY WITH FIVE-YEAR FOLLOW-UP**

Andrew C. PEDTKE (United States)

**THE EFFECTIVENESS OF ANTI-ROTATION PINS FOR THE
COMPRESS® DEVICE: A BIOMECHANICAL STUDY**

Raffi S. AVEDIAN (United States)

GLOBAL ORTHOPAEDICS AND THE AMPUTEE PATIENT

R. Richard COUGHLIN (United States)

09:30-10:15

Coffee break

10:15-10:45

Plenary Lecture (in Congress Hall)

WAYS TO IMPROVE OUTCOME IN ORTHOPAEDIC SURGERY

Tommy HANSSON (Sweden)

10:45-12:15

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 UNICOMPARTMENTAL 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-GANZ¹, Vincenzo CONDELLO², Elliott HERSHMAN³, Claudio ZORZI², Farshid GUILAK³, Avi SHTERLING¹

¹(Israel), ²(Italy), ³(United States)

23332 MINI-INVASIVE UNICOMPARTMENTAL KNEE ARTHROPLASTY
Gustav BONTEMPS, Klaus SCHLÜTER-BRUST (Germany)

09:30-10:15 *Coffee break*

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

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

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

Trauma
Foot / Ankle

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

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

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

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

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

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

24459 RESULTS OF A CONSECUTIVE SERIES OF MORE THAN 70 CASES OF EXTENSOR DIGITORUM BREVIS FLAP FOR ANKLE AND FOOT RECONSTRUCTION
Christophe GAILLARD, André-Mathieu GAY, Natacha BERENI, Didier GUINARD, Régis LEGRE (France)

25603 JONES' FRACTURE OF THE FIFTH METATARSAL BASE OR AN AVULSION FRACTURE – DO WE REALLY NEED TO DISTINGUISH BETWEEN THEM?

Rahul KAKKAR, Pavel AKIMAU, Paul FEARON (United Kingdom)

23330 RESULTS OF CLOSED REDUCTION AND PERCUTANEUS 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)

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

09:30-10:15 *Coffee break*

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

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

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

Biomaterials / Cartilage Repair

Moderators:

Stephen ABELOW (United States)

Per ASPENBERG (Sweden)

- 23978 NANOSIZED HYDROXYAPATITE AND STEM CELL COMPOSITE IN REPAIR OF RADIAL FRACTURE GAP IN RABBITS**
Safoora GHADIRIAN, Seifollah DEGHANI NAZHVANI, M.A. BAHROLOLUM, G.A. GHADERI, Iman MOSTAFA (Iran)
- 25598 EFFECT OF HYPERBARIC OXYGEN AND COMPRESSION ON CHONDROCYTE PROLIFERATION**
Birte SIEVERS, Nadine HOECHSMANN, Frank DUEREN, Susanne MAYER, Peter MÜLLER (Germany)
- 26764 EFFECTS OF COMBINED 3D- AND HYPOXIC CULTURING ON CARTILAGE-SPECIFIC GENE EXPRESSION IN HUMAN CHONDROCYTES**
Casper FOLDAGER, Samir MUNIR, Michael ULRICH-VINTHER, Kjeld SØBALLE, Cody BÜNGER, Martin LIND (Denmark)
- 23450 BIOLOGICAL THERAPY OF BONE DEFECTS: THE IMMUNOLOGY OF BONE ALLO-TRANSPLANTATION**
Simon GRAHAM (United Kingdom)
- 26105 A BIOMIMETIC BONE SCAFFOLD FOR TISSUE ENGINEERING**
Prakash JAYAKUMAR, Amir BABAEI-MAHANI, B. BURANAWAT, Sanjukta DEB, Lucy DISILVIO (United Kingdom)
- 26041 SURFACE ENHANCED POLYETHERETHERKETONE MATERIALS FOR ORTHOPAEDIC IMPLANTATION**
Kelvin YEUNG, So Ching LIU, Paul CHU, Keith LUK, Kenneth CHEUNG (Hong Kong)

- 26639 A NOVEL, ABSORBABLE BONE HEMOSTAT MATRIX DOES NOT IMPAIR BONE HEALING IN A RABBIT STERNOTOMY MODEL**
Yuehuei AN, Qian KANG, Peng CHEN, Jordan KATZ, Ankur GANDHI (United States)
- 24484 THE ROLE OF PLURIPOTENTIAL STEM CELLS IN THE REPAIR OF CARTILAGE DEFECTS OF MUSCULOSKELETAL SYSTEM (AN INTERVENTIONAL STUDY)**
Dariush GOURAN 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, Hilka 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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