

# SICOT 2011

## XXV Triennial World Congress



**6-9 September 2011**

**Prague, Czech Republic**

## Tuesday, 6 September

	Forum Hall	Meeting Hall I	Meeting Hall IV	Meeting Hall V	Panorama Hall	Terrace I
08:30-12:00						
12:00-13:30	<i>Lunch break</i>					
13:30-15:00	Symposium SICOT Trauma Committee: Fractures Around the Knee	Lecture & Free Papers <b>Hip</b> THA Outcome	Lecture & Free Papers <b>Shoulder</b> Miscellaneous	Free Papers <b>Trauma</b> Humerus	Free Papers <b>Spine</b> Arthroplasty & <b>Trauma</b>	Free Papers <b>Trauma</b> Pelvis & Acetabulum
15:00-15:30	<i>Coffee break</i>					
15:30-16:00		Plenary Lecture James Wright (Canada)				
16:00-17:30		Lecture & Free Papers <b>Hip</b> Periprosthetic Fractures & Dislocations	Instructional Course Revision of Total Knee Arthroplasty: Principles & Results	Lectures & Free Papers <b>SICOT Trauma</b> <b>Committee</b> Fractures Around the Knee I: Distal Femur	Free Papers <b>Spine</b> Vertebroplasty	Free Papers <b>Trauma</b> Proximal Femur I
18:00-19:30	Opening Ceremony					
19:30-21:30	Welcome Reception					

	Club A	Club B	Club C	Club D	Club E	Club H
08:30-12:00					SICOT Diploma Examination Oral Part	Educational Day The Hip (from 08:00 to 17:00)
12:00-13:30	<i>Lunch break</i>					
13:30-15:00	Symposium TB Spine: Current Evidence for Treatment Strategies	Lecture & Free Papers <b>Tumours</b> Reconstruc- tions	Free Papers <b>Research</b> Animal & In Vitro	Lecture & Free Papers <b>Spine</b> Cervical Decompression & Fusion Techniques		
15:00-15:30	<i>Coffee break</i>					
15:30-16:00						
16:00-17:30	Lecture & Free Papers <b>Spine</b> Infectious Spondylitis	Lecture & Free Papers <b>Tumours</b> Miscellaneous	Free Papers <b>Research</b> Clinical I	Lecture & Free Papers <b>Thrombopro- phylaxis</b>	Symposium How to Use Orthopaedic Databases Effectively During Literature Search	
18:00-19:30						
19:30-21:30						

# Tuesday, 6 September

## Forum Hall

13:30 - 15:00

### Symposium

#### SICOT Trauma Committee: Fractures Around the Knee

*Moderators:*

Vilmos VECSEI (AUSTRIA) & James WADDELL (CANADA)

**FRACTURE AROUND THE KNEE – INTRODUCTION**

Vilmos VECSEI (AUSTRIA)

**PERIPROSTHETIC FRACTURES – DIAGNOSTIC AND CURRENT CONCEPTS**

James WADDELL (CANADA)

**OPTION IN THE TREATMENT OF DISTAL FEMORAL FRACTURES**

Dariush GOURAN SAVADKOOHI (IRAN)

**30297 EXPERIENCE WITH 95° ANGLED BLADE PLATE IN THE TREATMENT OF DISTAL FEMORAL FRACTURES**

Jan BARTONICEK (CZECH REPUBLIC)

**PATELLA FRACTURE TREATMENT OPTIONS: FROM ARTHROSCOPY VIA SCREWS AND WIRE UNTIL RESECTION**

John KEATING (UNITED KINGDOM)

**TIBIA PLATEAU**

Reinhard SCHNETTLER (GERMANY)

18:00 - 19:30

### Social Event

#### Opening Ceremony

19:30 - 21:30

### Social Event

#### Welcome Reception

# Tuesday, 6 September

## Meeting Hall I

13:30 - 15:00

Lecture

Free Papers

### Hip - THA Outcome

*Moderators:*

Henri JUDET (FRANCE) & Henrik MALCHAU (UNITED STATES)

#### RELEVANT OUTCOME ASSESSMENT IN THR

Henrik MALCHAU (UNITED STATES)

- 28865 FOLLOW-UP PROGRAMME FOR MEASURING PATIENT-REPORTED OUTCOMES IN THE SWEDISH TOTAL HIP ARTHROPLASTY POPULATION**  
Ola ROLFSON, Johan KÄRRHOLM, Leif E. DAHLBERG, Goran GARELLICK (SWEDEN)
- 28560 CLINICAL AND RADIOGRAPHICAL RESULTS OF 179 THRUST PLATE HIP PROSTHESES – 5-14 YEARS FOLLOW-UP STUDY**  
Yuji YASUNAGA, Takuma YAMASAKI, Keiichiro YAMASAKI, Toshihiro MATSUO, Mitsuo OCHI (JAPAN)
- 29247 RESULTS OF A BONE PRESERVING CEMENTLESS STRAIGHT HIP STEM – A PROSPECTIVE STUDY WITH A MINIMUM FOLLOW-UP OF 5 YEARS**  
Didier MAINARD<sup>1</sup>, Julien MAYER<sup>1</sup>, Didier GUIGNAND<sup>1</sup>, Francois DAUBRESSE<sup>2</sup>, Jean-Manuel POIRECUTTE<sup>1</sup>, Laurent GALOIS<sup>1</sup>  
<sup>1</sup>(FRANCE), <sup>2</sup>(BELGIUM)
- 29109 DO NOT IMPLANT! UNEXPECTED HIGH LOOSENING RATE OF AL2O3-FREE NON-CEMENTED TITANIUM TRIAL-HIP-STEMS. A RANDOMIZED, PROSPECTIVE STUDY OF A NEW SURFACE TECHNOLOGY IN THR**  
Lukas Dominik BURGER, Michael Tobias HIRSCHMANN, Faik Kamel AFIFI, Lena FRIEDRICH, Carsten HELFRICH, Niklaus Felix FRIEDERICH (SWITZERLAND)
- 29508 RESULTS OF CEMENTLESS THA IN INDICATIONS FOR NARROW FEMORAL CAVITIES**  
Steffen KOHLER (GERMANY)
- 29113 IS OSTEONECROSIS A PREDICTOR OF POOR OUTCOMES IN PRIMARY TOTAL HIP ARTHROPLASTY?**  
Henning R. JOHANSSON<sup>1</sup>, Michael G. ZYWIEL<sup>2</sup>, David R. MARKER<sup>2</sup>, Michael A. MONT<sup>1</sup>  
<sup>1</sup>(GERMANY), <sup>2</sup>(UNITED STATES)
- 28661 THE INFLUENCE OF DEMOGRAPHIC FACTORS, SURGICAL APPROACHES AND IMPLANT DESIGN ON LONG-TERM OUTCOME OF TOTAL HIP REPLACEMENT**  
Manouchehr VAHID FARAHMANDI (IRAN)
- 28774 JOINT REPLACEMENT REVIEWS CONDUCTED BY PHYSIOTHERAPISTS – A SAFE AND EFFECTIVE MODEL**  
Bernarda CAVKA, Andrew BUCKNILL, Arlee HATFIELD, Belinda CAREY (AUSTRALIA)
- 28763 RETURN TO WORK AFTER TOTAL HIP REPLACEMENT. WHAT SHOULD WE TELL PATIENTS?**  
Gareth TURNBULL, Jonathan COWIE, Andrew KER, Steffen BREUSCH (UNITED KINGDOM)

15:00 - 15:30

*Coffee break*

15:30 - 16:00 **Plenary Lecture**  
**James WRIGHT (CANADA)**

**30657 EVIDENCE-BASED ORTHOPAEDICS: WHAT DOES THAT ACTUALLY MEAN?**  
James WRIGHT (CANADA)

16:00 - 17:30 **Lecture** **Free Papers**  
**Hip - Periprosthetic Fractures & Dislocations**

*Moderators:*  
Daniel BERRY (UNITED STATES) & Jacques CATON (FRANCE)

**30310 TREATMENT OF PERIPROSTHETIC FEMUR FRACTURES ASSOCIATED WITH REVISION TOTAL HIP ARTHROPLASTY**  
Daniel BERRY, Matthew ABDEL, David LEWALLEN (UNITED STATES)

**29604 AN ANALYSIS OF THE FAILURE RATES OF LOCKING PLATE FIXATION OF PERIPROSTHETIC FRACTURES OF THE HIP**  
Simon GRAHAM, Adam PECKHAM-COOPER, James JOEL, Tom GOFF, Eleftherios TSIRIDIS (UNITED KINGDOM)

**29881 IS MOVEMENT RESTRICTIONS AFTER HEMIARTHROPLASTY TREATMENT OF FEMORAL NECK FRACTURES NECESSARY?**  
Cecilia ROGMARK, Inger NILSSON, Louise DAHLQVIST, Cecilia ARVIDSSON, Olof LEONARDSSON, Kristina ÅKESSON (SWEDEN)

**28733 REDUCED OPERATING RISKS WITHOUT COMPROMISED COMPONENT STABILITY WHEN TREATING SELECTED B2 PERIPROSTHETIC FEMORAL FRACTURES BY INTERNAL FIXATION WITH STEM RETENTION RATHER THAN STEM REVISION**  
Donald HOWIE, Saleem HUSSENBUCUS, Tania CARBONE, Bogdan SOLOMON (AUSTRALIA)

**30227 INCIDENCE OF IMPLANT FRACTURES AT TOTAL HIP ARTHROPLASTY: A COMPREHENSIVE LITERATURE REVIEW INCLUDING ARTHROPLASTY REGISTER DATA**  
Reinhard SCHUH, Wolfram PAWELKA, Gerold LABEK (AUSTRIA)

**28859 THE RISK OF DISLOCATION AFTER TOTAL HIP ARTHROPLASTY IS DECREASED WITH DOUBLE MOBILITY LINERS IN PATIENTS WITH FEMORAL NECK FRACTURES**  
Philippe HERNIGOU, Alexandre POIGNARD, Charles Henri FLOUZAT LACHANINETTE (FRANCE)

**28167 DOES THE DOUBLE MOBILITY CUP HAVE A LOW RISK OF DISLOCATION?**  
Ana TORRES<sup>1</sup>, Jean Michel LAFFOSSE<sup>2</sup>, Antonio MEROÑO<sup>1</sup>, Antonio MURCIA<sup>1</sup>, Jean PUGET<sup>2</sup>  
<sup>1</sup>(SPAIN), <sup>2</sup>(FRANCE)

**29482 LOW DISLOCATION RATES IN TOTAL HIP REPLACEMENT WITH THE USE OF A SMALL DIAMETER (22MM) FEMORAL HEAD IMPLANTED USING A POSTERIOR APPROACH**  
Ravi BADGE, Amit SHAH, David SOCHART (UNITED KINGDOM)

**27813 LEG LENGTH DISCREPANCY AFTER TOTAL HIP REPLACEMENT – TYPE AND RELATION TO FUNCTIONAL OUTCOME**  
Saurabh JAIN (INDIA)

# Tuesday, 6 September

## Meeting Hall IV

13:30 - 15:00	<b>Lecture</b>	<b>Free Papers</b>
	<b>Shoulder - Miscellaneous</b>	
	<i>Moderators:</i> Osvandre LECH (BRAZIL) & Libor PASA (CZECH REPUBLIC)	
30294	<b>CURRENT STATUS AND TRENDS WITH THE REVERSE TOTAL SHOULDER ARTHROPLASTY – THE THIRD GENERATION GRAMMONT PROSTHESIS</b> Marius SCARLAT, Emmanuel BAULOT, Pierre TROUILLOUD (FRANCE)	
30212	<b>THE SURGICAL MANAGEMENT OF SYMPTOMATIC OS ACROMIALE</b> Deepak PATEL, Lava PATEL (UNITED STATES)	
29383	<b>MANAGEMENT OF GRADE III ACROMIOCLAVICULAR JOINT DISLOCATION USING ARTHROSCOPIC TIGHT ROPE FIXATION</b> John DABIS, Jagannath CHAKRAVARTHY, Socrates KALOGRIANITIS (UNITED KINGDOM)	
29038	<b>ACCURACY OF THE ACROMIOCLAVICULAR JOINT INJECTIONS UNDER IMAGE INTENSIFIER</b> Mohammad SIDDIQUI, Arif RAZAK, Nimra AKHTAR, Tamas BARABAS, Gunter SCHMITGEN (UNITED KINGDOM)	
29649	<b>BOSWORTH PROCEDURE VS ROCKWOOD PROCEDURE IN ACUTE ACROMIOCLAVICULAR JOINT DISLOCATIONS</b> Gaurav RUSTAGI, V.K. GAUTAM (INDIA)	
28547	<b>SUBACROMIAL DECOMPRESSION WITH OR WITHOUT ROTATOR CUFF REPAIR – A RANDOMIZED CONTROLLED TRIAL</b> Odak SAURABH, Eric POWELL, David TEMPERLEY, John HAINES, Ian TRAIL (UNITED KINGDOM)	
29704	<b>ONCOSURGICAL RESULTS OF LIMB-PRESERVING TUMOR RESECTION IN THE SHOULDER REGION IN PRIMARY TUMORS AND METASTASES</b> Claudia DRUSCHEL, Ingo MELCHER, Norbert HAAS, Alexander DISCH, Klaus-Dieter SCHASER (GERMANY)	
30075	<b>INERTIA-BASED FLAPPING AND CLAPPING TEST: A PROMISING TOOL FOR FUNCTION ASSESSMENT IN PATIENTS WITH SHOULDER COMPLAINTS</b> B. GRIMM, G.F. VLES, Rachel SENDEN, I.C. HEYLIGERS, S. SAMIJO, D.F. VLES (NETHERLANDS)	
28155	<b>ROLE OF SUPRASCAPULAR NERVE BLOCK IN CHRONIC SHOULDER PAIN. A COMPARATIVE STUDY OF 90 CASES</b> Dhyan PATEL (INDIA)	
15:00 - 15:30	<i>Coffee break</i>	
15:30 - 16:00	<b>Plenary Lecture (in Meeting Hall I)</b>	
	<b>James WRIGHT (CANADA)</b>	
30657	<b>EVIDENCE-BASED ORTHOPAEDICS: WHAT DOES THAT ACTUALLY MEAN?</b> James WRIGHT (CANADA)	

**Revision of Total Knee Arthroplasty: Principles & Results**

*Moderator:*

Urs MUNZINGER (SWITZERLAND)

**REMOVAL OF A WELL FIXED TKA**

Rudolf ASCHERL (GERMANY)

**IMPLANTING THE REVISION TKA**

Urs MUNZINGER (SWITZERLAND)

**MANAGING BONE LOSS**

Thorsten GEHRKE (GERMANY)

**MANAGING SOFT TISSUE DEFECTS**

Volkmar HEPPERT (GERMANY)

**WHAT WOULD YOU DO? – CASES**



# Tuesday, 6 September

## Meeting Hall V

13:30 - 15:00

Free Papers

Trauma - Humerus

*Moderators:*

Vojtech HAVLAS (CZECH REPUBLIC) & Hatem SAID (EGYPT)

**30064 IS THE MINIMALLY INVASIVE PLATE OSTEOSYNTHESIS (MIPO) BY ANTERIOR APPROACH THE BEST OPTION FOR DISTAL THIRD HUMERAL FRACTURES?**

Paul Dan SIRBU, Razvan ASAFTEI, Tudor PETREUS, Eugen CARATA, Vladimir POROCH, Grigore BEREA, Paul Dan BOTEZ (ROMANIA)

**27018 EARLY EXPERIENCE OF THE IMPACTION METHOD IN COMBINATION WITH A LOCKING PLATE FOR THE PROXIMAL HUMERAL FRACTURES IN OLDER ADULTS**

Jiro NAMBA, Tatsuji FUJIWARA, Ko TEMPORIN, Koji YAMAMOTO (JAPAN)

**28396 CAN WE STILL RELY ON RUSH NAILS FOR FRACTURES OF THE HUMERAL DIAPHYSIS?**

Yogesh Sharad SALPHALE, Wasudeo GADEGONE (INDIA)

**28437 REVISION WITH PLATES OF HUMERUS NONUNIONS SECONDARY TO INTRAMEDULLARY NAILING**

Christian ALLENDE, Damian BUSTOS, Pablo BRUNO (ARGENTINA)

**28202 TREATMENT OF HUMERAL SHAFT NON-UNIONS AFTER INTRAMEDULLARY AND INTERLOCKED INTRAMEDULLARY NAILING**

Asen BALTOV, Nedelcho TZACHEV, Borislav ZLATEV, Andrey IOTOV (BULGARIA)

15:00 - 15:30

*Coffee break*

15:30 - 16:00

Plenary Lecture (*in Meeting Hall I*)

James WRIGHT (CANADA)

**30657 EVIDENCE-BASED ORTHOPAEDICS: WHAT DOES THAT ACTUALLY MEAN?**

James WRIGHT (CANADA)

16:00 - 17:30

Lectures

Free Papers

**SICOT Trauma Committee - Fractures Around the Knee I:  
Distal Femur**

*Moderators:*

Peter BIBERTHALER (GERMANY) & Hitendra DOSHI (SINGAPORE)

**PRO-POLYAXIAL LOCKING PLATE**

Peter BIBERTHALER (GERMANY)

**PRO-NAIL**

Andreas RUECKER (GERMANY)

**28759 PROSPECTIVE EVALUATION OF LOCKING PLATE CONSTRUCT FOR OSTEOSYNTHESIS OF COMPLEX INTRA-ARTICULAR DISTAL FEMORAL FRACTURES**

Vivek TRIKHA (INDIA)

- 28491 OPEN REDUCTION AND INTERNAL FIXATION OF SUPRACONDYLAR FRACTURES OF THE FEMUR BY THE LOCKING COMPRESSION PLATE**  
Nehad EL MAHBOUB, Waleed ARAFAT, Mohamed AWAD (EGYPT)
- 28861 HOFFA FRACTURES – HOW UNCOMMON ARE THEY?**  
Marta GOMES (PORTUGAL)
- 28431 MIPO TECHNIQUE FOR DISTAL FEMUR FRACTURES IN THE ELDERLY – A RETROSPECTIVE STUDY**  
Hitendra DOSHI, Wenxian PNG, Vaarun BURGULA, Diarmuid MURPHY (SINGAPORE)
- 29451 TREATMENT OF THE PATIENTS WITH COMPLEX SEGMENTAL (C2) AND COMPLEX ALLORHYTHMIC (C3) FRACTURES OF SHIN BONE**  
Anton SELITSKIY, Oleg KEZLYA (BELARUS)

## Tuesday, 6 September

### Panorama Hall

13:30 - 15:00

#### Free Papers

#### Spine - Arthroplasty & Trauma

*Moderators:*

Richard CHALOUPKA (CZECH REPUBLIC) & Jie ZHAO (CHINA)

**29653 DOES CERVICAL DISC ARTHROPLASTY REDUCE ADJACENT SEGMENT DISEASE AND OTHER COMPLICATIONS IN COMPARISON TO ANTERIOR CERVICAL DISCECTOMY AND FUSION? A META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS**

Dino SAMARTZIS<sup>1</sup>, Patrick VAVKEN<sup>2</sup>, Hitesh MODI<sup>1</sup>, Kenneth CHEUNG<sup>1</sup>, Keith LUK<sup>1</sup>  
<sup>1</sup>(HONG KONG), <sup>2</sup>(UNITED STATES)

**29100 MAGNETIC RESONANCE IMAGING CLARITY OF CERVICAL DISC ARTHROPLASTY USING TITANIUM DEVICES AND PEEK DEVICES: A PROSPECTIVE, BLINDED RANDOMISED STUDY**

Sandesh LAKKOL, Raju PEDDADA, Chandra BHATIA, Razvan TARANU, Guru REDDY, Friesem TAI (UNITED KINGDOM)

**29616 ATLANTOAXIAL FIXATION WITH HARMS TECHNIQUE IN AXIAL DENS ABNORMALITIES – PRELIMINARY REPORT**

Karol ROGAS, Michal KEDZIERSKI, Konrad DOBIECKI, Andrzej BOHATYREWICZ, Radoslaw NADZIKIEWICZ (POLAND)

**29583 MANAGEMENT OF ATLANTOAXIAL INSTABILITY WITH C1/2 FUSION USING THE HARMS TECHNIQUE AND INTRAOPERATIVE ISO-C-3D-IMAGING**

Claudia DRUSCHEL, Klaus-Dieter SCHASER, Mario CABRAJA, Alexander DISCH, Norbert HAAS, Stefan KROPPENSTEDT (GERMANY)

**29717 SURGICAL MANAGEMENT AND CLINICAL OUTCOMES OF CERVICOTHORACIC INSTABILITIES IN TUMORS AND FRACTURES**

Claudia DRUSCHEL, Ingo MELCHER, Norbert HAAS, Alexander DISCH, Klaus-Dieter SCHASER (GERMANY)

**29668 MODIFICATION OF SHORT-SEGMENT FIXATION WITH PEDICLE SCREWS IN FRACTURE SITE WITHOUT FUSION FOR THORACOLUMBAR FRACTURES**

Zdeslav MILINKOVIC, Stanko MILICKOVIC, Oleg KRNETA, Draza DOZIC (SERBIA)

**29288 LONG-TERM FOLLOW-UP OF LUMBAR TOTAL DISC REPLACEMENT**

Thomas TAMPERE, Dimitri VERBRUGGEN, Gwen SYS, Thierry PARLEVLIET, Bart POFFYN, Dirk UYTENDAELE (BELGIUM)

**29345 PROTEOMIC ANALYSIS POST ACUTE SPINAL CORD INJURY IN HUMAN**

Kayode ODUWOLE, Alan LANG, Kingsley CHUKWUYERENWA, Damian MCCORMACK, Ashley POYNTON (IRELAND)

**29565 LUMBILIAIC FIXATION IN PELVIC RING FRACTURES**

Jiri SKALA-ROSENBAUM, Valer DZUPA, Pavel DOUSA, Martin KRBEK (CZECH REPUBLIC)

15:00 - 15:30

*Coffee break*

15:30 - 16:00 Plenary Lecture (in Meeting Hall I)

James WRIGHT (CANADA)

**30657 EVIDENCE-BASED ORTHOPAEDICS: WHAT DOES THAT ACTUALLY MEAN?**  
James WRIGHT (CANADA)

16:00 - 17:30 Free Papers

Spine - Vertebroplasty

*Moderators:*

Cody BÜNGER (DENMARK) & Wichien LAOHACHAROENSOMBAT (THAILAND)

**29677 VERTEBROPLASTY TECHNIQUE OPTIMIZATION EXPERIENCE**  
Nikolay CHUMAK, Andrey BABKIN, Alexander BELETSKY (BELARUS)

**30120 PREVENTION OF DEVASTATING COMPLICATIONS FOLLOWING VERTEBROPLASTY, A TECHNICAL NOTE**  
Sandesh LAKKOL, Shailesh HADGAONKAR, Chandra BHATIA, Manoj KRISHNA (UNITED KINGDOM)

**27311 DIFFERENTIATED APPROACH TO KYPHO- AND VERTEBROPLASTY IN SPINE FRACTURES**  
Alexander TOMA, Svetlana GRAMMA, Anna ANISIMOVA, Ilya TOMA (RUSSIA)

**27258 KYPHO-IORT: TECHNICAL FEASIBILITY OF A NOVEL COMBINED KYPHOPLASTY AND INTRAOPERATIVE RADIATION FOR SPINAL METASTASES**  
René SCHMIDT, Udo OBERTACKE (GERMANY)

**29145 NEUROLOGICAL FUNCTION AND SURVIVAL OUTCOME OF SURGICALLY TREATED SPINAL MULTIPLE MYELOMA PATIENTS**  
Miao WANG, Cody BÜNGER, Haisheng LI, Kristian HØY, Bent NIEDERMANN, Peter HELMIG, Yu WANG, Katrin SCHÄTTIGER, Ebbe Stender HANSEN (DENMARK)

**28546 UNIPEDICULAR VERSUS BIPEDICULAR BALOON KYPHOPLASTY FOR THE TREATMENT OF MULTIPLE MYELOMA LESIONS**  
Saurabh SINGH<sup>1</sup>, Andrea LA MAIDA<sup>2</sup>  
<sup>1</sup>(INDIA), <sup>2</sup>(ITALY)

**30235 DOES EVERY RESPONSIBLE VERTEBRA OF OSTEOPOROTIC VERTEBRAL COMPRESSION FRACTURE NEED TO BE AUGMENTATED?**  
Jia ZHANG (CHINA)

**28190 CLINICAL OUTCOMES OF VERTEBROPLASTY COMBINED WITH POSTERIOR INSTRUMENTATION FOR OSTEOPOROTIC VERTEBRAL COLLAPSE – A RETROSPECTIVE ANALYSIS OF 100 CASES**  
Itaru ODA, Masanori FUJIYA, Eihiro MUROTA (JAPAN)

# Tuesday, 6 September

## Terrace I

13:30 - 15:00

### Free Papers

#### Trauma - Pelvis & Acetabulum

*Moderators:*

Osama FAROUK (EGYPT) & Gershon VOLPIN (ISRAEL)

- 28241** **MINIMALLY INVASIVE FIXATION OF PELVIC RING DISRUPTIONS**  
Osama FAROUK, Mahmoud BADRAN (EGYPT)
- 28233** **SINGLE PIN SUPRA-ACETABULAR PELVIC EXTERNAL FIXATOR TOGETHER WITH PERCUTANEOUS ILIOSACRAL SCREWS IN TREATMENT OF UNSTABLE PELVIC RING DISRUPTIONS WITH RUPTURE LOWER URINARY TRACT**  
Mahmoud Yousef BADRAN, Osama FAROUK (EGYPT)
- 27535** **LATE INTERNAL FIXATION OF VERTICALLY UNSTABLE PELVIC FRACTURES**  
Osama FAROUK, Yaser KHALIFA (EGYPT)
- 29182** **VESICO-CUTANEOUS FISTULA FOLLOWING PUBIC RAMI FRACTURE – A CASE REPORT**  
Ashok MARUDANAYAGAM, Chandrasekhar DHANNANA, Sadai APPAN (UNITED KINGDOM)
- 27905** **FUNCTIONAL OUTCOME SCORES OF PERCUTANEOUS SI SCREW FIXATION OF TILE TYPE C FRACTURES USING THE MAJEED AND IOWA PELVIC SCORES**  
Ingrid RADOVANOVIC, Syah BAHARI, Joseph QUEALLY, John MCELWAIN (IRELAND)
- 29926** **SELECTION OF SURGICAL METHOD FOR TRANSACETABULAR FRACTURES – A DIFFERENTIAL APPROACH**  
Victor VOLOSHIN, Vladimir ZUBIKOV, Dmitriy MARTYNENKO, Anatoliy GALKIN, Lev SHERMAN, Saravanan ARUMUGAM (RUSSIA)
- 27625** **TRICORTICAL ILIAC CREST GRAFT IN RECONSTRUCTION OF COMMINUTED POSTERIOR WALL ACETABULUM FRACTURE**  
Sujit Kumar TRIPATHY, Ramesh Kumar SEN, Sameer AGGARWAL (INDIA)
- 28230** **THE MODIFIED STOPPA APPROACH FOR ACETABULAR FRACTURES: WHAT IS POSSIBLE AND WHAT IS IMPOSSIBLE?**  
Osama FAROUK, Ayman KAMAL, Mohammed REFAIE, Mahmoud BADRAN, Mina DAWOOD (EGYPT)
- 28490** **LONG-TERM RESULTS OF SURGICAL TREATMENT OF COMPLEX FRACTURES OF THE ACETABULUM**  
Alyaksandr MURZICH, Alexander BELETSKY, Andrey VORONOVICH (BELARUS)

15:00 - 15:30

*Coffee break*

15:30 - 16:00

### Plenary Lecture (*in Meeting Hall I*)

#### James WRIGHT (CANADA)

- 30657** **EVIDENCE-BASED ORTHOPAEDICS: WHAT DOES THAT ACTUALLY MEAN?**  
James WRIGHT (CANADA)

## Trauma - Proximal Femur I

*Moderators:*

Andrzej BOHATYREWICZ (POLAND) &amp; Horia-Bogdan ORBAN (ROMANIA)

- 28393 SHORT PROXIMAL FEMORAL NAIL FIXATION FOR TROCHANTERIC FRACTURES**  
Wasudeo GADEGONE, Yogesh SALPHALE (INDIA)
- 28391 VALGUS INTERTROCHANTERIC OSTEOTOMY COMBINED WITH FIBULAR GRAFTING FOR NEGLECTED FEMORAL NECK FRACTURES IN YOUNG ADULTS**  
Wasudeo GADEGONE, Yogesh SALPHALE (INDIA)
- 28110 FEMORAL NECK COLLAPSE AFTER INTERNAL FIXATION OF INTRACAPSULAR HIP FRACTURES**  
Asif KHAN, Martyn PARKER (UNITED KINGDOM)
- 28195 OSTEOSYNTHESIS AND PRIMARY VALGUS OSTEOTOMY IN UNSTABLE INTRACAPSULAR FEMORAL NECK FRACTURES IN YOUNG ADULTS**  
Sunil KINI (SINGAPORE)
- 27180 A COMPARATIVE STUDY OF THE INTERNAL FIXATION OF INTERTROCHANTERIC FRACTURES USING SLIDING HIP SCREW WITH PLATE AND PROXIMAL FEMORAL NAIL**  
Shreenath KULKARNI, Govind KULKARNI, Sunil KULKARNI, Milind KULKARNI (INDIA)
- 30094 OPERATIVE POSTPONEMENT DUE TO ACUTE MEDICAL PATHOLOGY IN PROXIMAL FEMORAL FRACTURES**  
Roger WALTON, James WIDNALL, John SAYER, Mark AMBROSE, Charles Vincent JARAMILLO (UNITED KINGDOM)
- 29347 MORTALITY IN SURGICAL TREATED HIP FRACTURES: WHAT ARE THE PREDICTORS?**  
Sofia FERNANDES, José FERREIRA, Tiago BARBOSA, Rui CERQUEIRA, Vitor CAETANO (PORTUGAL)
- 29041 THE IMPORTANCE OF TIP-APEX DISTANCE (TAD) IN SLIDING HIP SCREW FIXATION OF PROXIMAL FEMORAL FRACTURES**  
Nickil AGNI, Emma SELLERS, Riem JOHNSON, Andrew GRAY (UNITED KINGDOM)
- 28866 TRAUMATIC DISLOCATION AND FRACTURE DISLOCATION OF HIP – A RETROSPECTIVE STUDY OF 209 CASES**  
Sandeep KASHYAP, Ramesh SEN (INDIA)
- 28556 VALGUS INTERTROCHANTERIC OSTEOTOMY FOR NON-UNION NECK OF FEMUR**  
Thilak JEPEGNANAM, Viju VARGHESE, Anil OOMMEN, Palapattu BOOPALAN, Vijay TITUS (INDIA)

# Tuesday, 6 September

## Club A

13:30 - 15:00

### Symposium

#### TB Spine: Current Evidence for Treatment Strategies

*Moderator:*

Anil JAIN (INDIA)

#### DIAGNOSIS BEFORE A CLINICAL DEFORMITY

Sudhir KUMAR (INDIA)

#### TB SPINE IN ADULTS – TREATMENT PRINCIPLES

Sudhir KUMAR (INDIA)

#### TB SPINE IN CHILDREN

Anil JAIN (INDIA)

#### PRINCIPLES OF DEFORMITY CORRECTION IN TB SPINE

Shanmuganathan RAJASEKARAN (INDIA)

#### THERAPEUTICALLY REFRACTORY DISEASE – TREATMENT PRINCIPLES

Anil JAIN (INDIA)

#### HIV ASSOCIATED TB SPINE

Shanmuganathan RAJASEKARAN (INDIA)

#### DISCUSSION

15:00 - 15:30

*Coffee break*

15:30 - 16:00

Plenary Lecture (*in Meeting Hall I*)

James WRIGHT (CANADA)

30657

#### EVIDENCE-BASED ORTHOPAEDICS: WHAT DOES THAT ACTUALLY MEAN?

James WRIGHT (CANADA)

16:00 - 17:30

Lecture

Free Papers

#### Spine - Infectious Spondylitis

*Moderators:*

Mohammad EL-SHARKAWI (EGYPT) & Shanmuganathan RAJASEKARAN (INDIA)

#### THERAPEUTICALLY REFRACTORY CASES OF TB SPINE – PRINCIPLES OF TREATMENT

Shanmuganathan RAJASEKARAN (INDIA)

29456

#### MR EVALUATION OF TUBERCULAR SPINE

Anil JAIN, Ravi SREENIVASAN, Sudhir KUMAR (INDIA)

28420

#### KYPHOSIS IN SPINAL TUBERCULOSIS – PREVENTION AND CORRECTION

Anil JAIN, Ish DHAMMI, Saurabh JAIN (INDIA)

- 29279 TRANSFORAMINAL LUMBAR INTERBODY FUSION FOR TUBERCULOUS SPONDYLODISCITIS OF THE LUMBOSACRAL SPINE**  
 Mohammad EL-SHARKAWI, Wael KOPTAN, Yasser ELMILIGUI (EGYPT)
- 27352 TREATMENT OF ACUTE TUBERCULOUS SPONDYLITIS BY THE SPINAL SHORTENING OSTEOTOMY: TECHNICAL NOTES AND CASE ILLUSTRATIONS**  
 Pongsthorn CHANPLAKORN, Niramol CHANPLAKORN, Chaiwat KRAIWATTANAPONG, Wiwat WAJANAVISIT, Wichien LAOHACHAROENSOMBAT (THAILAND)
- 29567 POSTOPERATIVE INFECTIOUS COMPLICATIONS: 10-YEAR SINGLE-CENTER STUDY**  
 Valer DZUPA, Jiri SKALA-ROSENBAUM, Radek BARTOSKA, Jiri ZAHORKA, Martin KRBEC (CZECH REPUBLIC)
- 29341 DIFFERENCES BETWEEN BIOFILM CHARACTERISTICS OF MRSA AND MSSA CAUSING ORTHOPAEDIC IMPLANT INFECTION**  
 Kayode ODUWOLE, Olufunso ONAYEMI, Hayden HAMMERTON, Damian MCCORMACK (IRELAND)
- 28934 CAN INFECTION FOLLOWING SCOLIOSIS INSTRUMENTATION SURGERY BE A 'NEVER EVENT'? : DRAMATIC REDUCTION IN INFECTION RATES AT ONE INSTITUTION AFTER IMPLEMENTATION OF A MULTIMODAL PREVENTION PROTOCOL**  
 Joshua HYMAN, Michael HORAN, Brendan WILLIAMS, William MACKENZIE, Hiroko MATSUMOTO, Lisa SAIMAN, Lisa COVINGTON, Michael VITALE (UNITED STATES)
- 29530 POSTEROLATERAL DEBRIDEMENT AND ANTERIOR RECONSTRUCTION BY LIMITED SPINAL SHORTENING IN THORACIC SPINE INFECTIONS**  
 Mohamed ABDEL-WANIS (EGYPT)



# Tuesday, 6 September

## Club B

13:30 - 15:00

Lecture

Free Papers

### Tumours - Reconstructions

*Moderators:*

John DORMANS (UNITED STATES) & Dominique POITOUT (FRANCE)

- 30263 MASSIVE OSTEOCHONDRAL ALLOGRAFTS IN LIMB SALVAGE SURGERY**  
Dominique POITOUT, P. TROPIANO, R. VOLPI, P. MAMAN, P. PARIS, A. MERGER, X. COPIN (FRANCE)
- 29010 HEMICORTICAL RESECTION AND RECONSTRUCTION WITH RECYCLED BONE FOR PAROSTEAL OSTEOSARCOMA**  
Hirohisa KATAGIRI, Mitsuru TAKAHASHI, Hideki MURATA, Hideshi SUGIURA, Yoshihiro NISHIDA, Yoshihisa YAMADA, Takayoshi SUZUKI, Tatsuya TAKAGI (JAPAN)
- 28882 FUNCTIONAL OUTCOME AND COMPLICATIONS AFTER RECONSTRUCTION WITH AN EXPANDABLE ENDOPROSTHESIS IN CHILDREN WITH OSSEOUS SARCOMAS**  
John DORMANS, Juan PRETELL, Lauren TOMLINSON, Ali AL-OMARI (UNITED STATES)
- 29219 MALIGNANT AND AGGRESSIVE BONE TUMOURS AROUND KNEE: TREATED WITH INNOVATIVE ROTATION-PLASTY**  
Zile Singh KUNDU, Sukhbir Singh SANGWAN (INDIA)
- 29359 RESECTION AND ARTHRODESIS USING EXTRA LONG INTRA-MEDULLARY NAIL FOR GIANT CELL TUMORS AROUND KNEE**  
Sukhbir Singh SANGWAN, Zile Singh KUNDU, Vinay GUPTA (INDIA)
- 29742 PROSTHESIS SURVIVAL AND FUNCTIONAL OUTCOME AFTER ENDOPROSTHETIC RECONSTRUCTION OF THE LOWER EXTREMITY WITH THE MUTARS PROSTHESIS**  
Rachid MAHDAD, Celine KARIJODIKORO, Christiaan KEURENTJES, Michiel SANDE VAN DE, Anthonie TAMINIAU, Rob NELISSEN, Sander DIJKSTRA (NETHERLANDS)
- 29644 PROGNOSTIC FACTORS IN THE MANAGEMENT OF OSTEOSARCOMA: A CLINICAL STUDY**  
Shishir RASTOGI, Himanshu GUPTA, Shah KHAN, Ashok KUMAR (INDIA)
- 29826 PAUWELS OSTEOTOMY IN THE MANAGEMENT OF PATHOLOGIC FEMORAL NECK FRACTURES**  
Narender MAGU, Rajesh ROHILLA, Roop NIL (INDIA)
- 29148 CT-GUIDED PERCUTANEOUS REMOVAL OF OSTEIOD OSTEOMA**  
Roberto VÉLEZ (SPAIN)
- 29142 98 BENIGN TUMORS OF THE PERIPHERAL NERVE**  
Alain DURANDEAU (FRANCE)

15:00 - 15:30

*Coffee break*

15:30 - 16:00

Plenary Lecture (*in Meeting Hall I*)

**James WRIGHT (CANADA)**

- 30657 EVIDENCE-BASED ORTHOPAEDICS: WHAT DOES THAT ACTUALLY MEAN?**  
James WRIGHT (CANADA)

**Tumours - Miscellaneous***Moderators:*

Wei GUO (CHINA) &amp; Zdenek MATEJOVSKY (CZECH REPUBLIC)

**MODULAR HEMIPELVIC PROSTHETIC RECONSTRUCTION AFTER RESECTION OF THE PERIACETABULAR TUMORS**

Wei GUO (CHINA)

- 28474 EN BLOC EXCISION AND AUTOGENOUS FIBULAR RECONSTRUCTION FOR AGGRESSIVE GIANT CELL TUMOR OF DISTAL RADIUS: A REPORT OF 12 CASES AND REVIEW OF LITERATURE**  
Vikas BACHHAL, Mandeep DHILLON, Kamal BALI (INDIA)
- 29673 RHABDOMYOSARCOMA IN ADULTHOOD – A RETROSPECTIVE SINGLE-CENTRE ANALYSIS OF 29 CASES**  
Philipp T. FUNOVICS, Martin DOMINKUS, Joannis PANOTOPOULOS, Gabriele AMANN, Reinhard WINDHAGER (AUSTRIA)
- 29217 FIBULA AS A BIOLOGICAL IMPLANT: OUR EXPERIENCE OF ITS DIFFERENT UTILITIES**  
Zile Singh KUNDU, Sukhbir Singh SANGWAN (INDIA)
- 30171 USE OF FIBULAR GRAFTS IN DIFFERENT ANATOMIC LOCATIONS AFTER TUMOUR RESECTIONS**  
Zdenek MATEJOVSKY, Roman KUFA, Jan LESEN, Lukas FRAJER, Ivo KOFRANEK, Jana MATEJOVSKA, Zdenek MATEJOVSKY (CZECH REPUBLIC)
- 29818 MORPHOLOGICAL DIAGNOSTICS OF LOW GRADE CHONDROSARCOMA**  
Gennady BERCHENKO, Olga SHUGAEVA (RUSSIA)
- 27454 REHABILITATION OF PATIENTS WITH PRIMARY TUMORS AND TUMOR-LIKE LESION OF THE TIBIA USING TRANSOSSEOUS OSTEOSYNTHESIS**  
Dmitriy BORZUNOV, Pavel BALAEV (RUSSIA)
- 28743 SXSX REGULATE SARCOMA INVASION VIA RAC1-MYOSIN PATHWAY AND MMP-1**  
Kazuyuki ITOH, Kiyoko YOSHIOKA, Norifumi NAKA (JAPAN)

## Tuesday, 6 September

### Club C

13:30 - 15:00

Free Papers

Research - Animal & In Vitro

*Moderators:*

Johannes REICHERT (GERMANY) & Eduard STASTNY (CZECH REPUBLIC)

- 29126 RECONSTRUCTION OF A CRITICAL SIZED BONE DEFECT IN THE OVINE TIBIA BY SCAFFOLD-BASED BONE ENGINEERING**  
Johannes REICHERT<sup>1</sup>, Amaia CIPITRIA<sup>1</sup>, Devakar EPARI<sup>2</sup>, Siamak SAIFZADEH<sup>2</sup>, Michael SCHÜTZ<sup>2</sup>, Georg DUDA<sup>1</sup>, Dietmar HUTMACHER<sup>2</sup>  
<sup>1</sup>(GERMANY), <sup>2</sup>(AUSTRALIA)
- 27803 NEW BIODEGRADABLE NERVE CONDUIT, CROSSLINKED URETHANE-DOPED POLYESTER ELASTOMERS (CUPES), IN RATS**  
Siu Leung YIP<sup>1</sup>, Wai Man CHOY<sup>1</sup>, Jian YANG<sup>2</sup>, Wing-Yuk IP<sup>1</sup>  
<sup>1</sup>(HONG KONG), <sup>2</sup>(UNITED STATES)
- 28421 EFFECTS OF CONTINUOUS AND PULSATILE PARATHYROID HORMONE (PTH) TREATMENTS ON OSTEOGENIC DIFFERENTIATION OF HUMAN FRACTURE HEMATOMA-DERIVED CELLS IN VITRO**  
Yoshihiro DOGAKI, Sang Yang LEE, Takahiro NIIKURA, Akihiro KOH, Takaaki KOGA, Masahiro KUROSACA (JAPAN)
- 28264 THE BIOCHEMICAL EFFECTS OF TOBACCO SMOKE ON FRACTURE HEALING: AN IN-VITRO MODEL**  
Andrew SLOAN, Mohammad MAQSOOD (UNITED KINGDOM)
- 29433 MEROPENEM LOADED ACRYLIC BONE CEMENT – AN IN-VITRO STUDY**  
Sumant SAMUEL, Binu MATTHEW, Chittaranjan SAMUEL, Balaji VEERARAGHAVAN, Denise FLEMING, John ANTONY JUDE PRAKASH (INDIA)
- 27588 FUNCTIONAL ANALYSIS OF LINEAR UBIQUITIN CHAIN-ASSEMBLY COMPLEX (LUBAC) IN LM8 MURINE OSTEOSARCOMA LUNG METASTASIS MODEL**  
Masato TOMONAGA, Fuminori TOKUNAGA, Akira MYOUI, Kazuhiro IWAI, Hideki YOSHIKAWA, Nobuyuki HASHIMOTO (JAPAN)
- 30139 HAMSTRING HARVESTING: PREDICTION OF PREMATURE CUT ON A CADAVER STUDY**  
Nicolas REINA, Jean Michel LAFFOSSE, Philippe CHIRON (FRANCE)
- 28717 CRYOIMMUNOLOGICAL ANTI-TUMOUR EFFECTS ARE ENHANCED BY DENDRITIC CELLS PULSED WITH A TUMOUR LYSATE IN MURINE OSTEOSARCOMA**  
Masanori KAWANO, Ichiro ITONAGA, Tatsuya IWASAKI, Hiroshi TSUMURA (JAPAN)
- 30230 ANALYSIS OF CORTICALIZATION USING PIXEL VALUE RATIO (PVR) AND CALLUS PATHWAY – A GUIDE TO FIXATOR REMOVAL IN TIBIA LENGTHENING USING ILIZAROV RING FIXATOR USING A NOVEL SCORING SYSTEM**  
Ashok SHYAM<sup>1</sup>, Hae-Ryong SONG<sup>2</sup>  
<sup>1</sup>(INDIA), <sup>2</sup>(SOUTH KOREA)
- 28444 GENE EXPRESSION OF RAD (RAS ASSOCIATED WITH DIABETES) IS UPREGULATED IN EXPERIMENTAL NONUNIONS COMPARED TO STANDARD HEALING FRACTURES**  
Yoshihiro DOGAKI, Takahiro NIIKURA, Sang Yang LEE, Akihiro KOH, Takaaki KOGA, Masahiro KUROSACA (JAPAN)

15:00 - 15:30 *Coffee break*

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

**James WRIGHT (CANADA)**

**30657 EVIDENCE-BASED ORTHOPAEDICS: WHAT DOES THAT ACTUALLY MEAN?**

James WRIGHT (CANADA)

16:00 - 17:30 **Free Papers**

**Research - Clinical I**

*Moderators:*

Jiri GALLO (CZECH REPUBLIC) & José GUIMARAES CONSCIENCIA (PORTUGAL)

**29806 CLINICAL FEATURES OF ARTICULAR EBURNATION OF THE KNEE IN OSTEOARTHRITIS PATIENTS**

Kentaro ISE, Yasuhiro AOKI, Masahiko MIYATA, Takashi MAKIO, Yasutaka AMANO, Kojiro MOTOHARA, Isaya HIGASHI, Chikage TABUCHI (JAPAN)

**29890 TREATMENT OF LATERAL EPICONDYLITIS – COMPARATIVE STUDY BETWEEN AUTOLOGOUS BLOOD INJECTION AND LOCAL CORTICOSTEROID INJECTION**

Sanjiv GAUR, Ashish GOHIYA, Sunil SINSINWAR, Anoop MEHROTRA (INDIA)

**29972 EVALUATING A NEW FINGER JOINT IMPLANT USING A NOVEL FINGER JOINT MOTION SIMULATOR**

Wing-Yuk IP, Shiu-Ping CHOW, Kwok-Wai LAW (HONG KONG)

**30111 HOW IMPORTANT IS MORPHOMETRIC ANALYSIS OF SACRAL HIATUS IN CAUDAL BLOCK?**

Aditya AGGARWAL, A. AGGARWAL, K. HARJIT, D. SAHNI (INDIA)

**29762 THE NORMAL PROXIMAL ULNAR ANATOMY INFLUENCES ELBOW RANGE OF MOTION**

Fanny CANET, Dominique ROULEAU, Julien CHAPLEAU, Yvan PETIT, Emilie SANDMAN, Kenneth FABER, George ATWHAL (CANADA)

**29289 EFFECT OF KNEE FLEXION CONTRACTURE ON SAGITTAL SPINAL ALIGNMENT AND SPINAL RANGE OF MOTION**

Shinya YANAGISAWA, Naoki SATO, Astushi YAMAMOTO, Masaki SHIMIZU, Saito KENICHI, Takagishi KENJI (JAPAN)

**29646 ROLE OF MESH IN ORTHOPAEDIC ONCOLOGICAL RECONSTRUCTION: A CLINICAL STUDY**

Shishir RASTOGI, Ashok KUMAR, Himanshu GUPTA, Shah KHAN (INDIA)

**30010 A NOVEL ULTRASOUND SYSTEM FOR AUTOMATED 3D SURFACE ANALYSIS OF LONG BONES**

Frederic BLUDAU<sup>1</sup>, Dzmitry HLINDZICH<sup>1</sup>, Pavel KRASOPEVTSEV<sup>1</sup>, Aleh SAKALOUSKI<sup>2</sup>, Daniel REXIN<sup>1</sup>, Udo OBERTACKER<sup>1</sup>, Aleh KRYVANOS<sup>1</sup>, Markus L. SCHWARZ<sup>1</sup>  
<sup>1</sup>(GERMANY), <sup>2</sup>(BELARUS)

**30207 THE EFFECT OF ELBOW AND HAND POSITIONS ON THE RADIO-CAPITELLUM RATIO (RCR) – PRELIMINARY STUDY**

Emilie SANDMAN, Fanny CANET, Yvan PETIT, Yves LAFLAMME, Dominique ROULEAU (CANADA)

## Tuesday, 6 September

### Club D

13:30 - 15:00

Lecture

Free Papers

#### Spine - Cervical Decompression & Fusion Techniques

*Moderators:*

Chunde LI (CHINA) & Shanmuganathan RAJASEKARAN (INDIA)

#### A NEW CLASSIFICATION FOR OSTEOPOROSIS-RELATED KYPHOSIS

Chunde LI (CHINA)

- 28468 C2-C7 POSTERIOR FIXATION RECOMMENDED IN CERVICAL MYELOPATHY WITH LOCAL KYPHOSIS**  
Takashi CHIKAWA, Risa HAMAGUCHI, Masaru NAKAMURA, Shunji NAKANO, Tateaki SHIMAKAWA (JAPAN)
- 29398 CRANIO-VERTEBRAL REGION HEREDITARY AND ACQUIRED PATHOLOGY DIAGNOSIS AND TREATMENT**  
Darya TESAKOVA, Oleg DULUB, Alexander BELETSKY, Andrey BABKIN, Inessa IL'YASEVICH, Irina BYSTRYMOVICH (BELARUS)
- 29852 PRE-OPERATIVE PATIENT CHARACTERISTICS; DO THEY INFLUENCE ON CLINICAL OUTCOMES FOLLOWING CERVICAL DISC REPLACEMENT SURGERY**  
Sandesh LAKKOL, Razvan TARANU, Shree ARANGANATHAN, Guru REDDY, Chandra BHATIA, Tail FRIESEM (UNITED KINGDOM)
- 29040 CERVICAL HEMILAMINOPLASTY FOR CERVICAL MYELOPATHY**  
Kazuhito SHINOHARA, Tatuya TAMURA, Toru KOBAYASHI (JAPAN)
- 29871 PEEK ON PEEK CERVICAL DISC REPLACEMENT: CLINICAL AND RADIOLOGICAL OUTCOMES AT ONE YEAR**  
Sandesh LAKKOL, Shreedhar ARANGANATHAN, Jitinder KANG, Kiran LINGUTLA, Guru REDDY, Tai FRIESEM (UNITED KINGDOM)
- 29954 INTRAOPERATIVE ISO-C C-ARM BASED NAVIGATION IN CHALLENGING CERVICAL SPINE FIXATIONS**  
Shanmuganathan RAJASEKARAN, Rishi M. KANNA, Ajoy P. SHETTY (INDIA)
- 27598 ANTERIOR CERVICAL DISCECTOMY AND FUSION (ACDF) WITH AUTOGRAFT AND PLATING IN CERVICAL SPODYLOMYELOPATHY: A LONG-TERM STUDY**  
Vishal KUMAR, Raj BAHADUR (INDIA)
- 28700 LAMINOPLASTY VERSUS LAMINECTOMY AND FUSION FOR MULTILEVEL CERVICAL SPONDYLOSIS**  
Woo Chul KIM, Kyu Yeol LEE, Hyeon Jun KIM (SOUTH KOREA)
- 29732 A 3-D MOTION ANALYSIS STUDY COMPARING THE EFFECTIVENESS OF CERVICAL SPINE ORTHOSES IN RESTRICTING CERVICAL SPINE MOVEMENT DURING ACTIVITIES OF DAILY LIVING**  
Nicholas EVANS, Georgina HOOPER, Rachel EDWARDS, Gemma WHATLING, Cathy HOLT, Sashin AHUJA (UNITED KINGDOM)

15:00 - 15:30

*Coffee break*

15:30 - 16:00	Plenary Lecture (in Meeting Hall I)	
	James WRIGHT (CANADA)	
30657	<b>EVIDENCE-BASED ORTHOPAEDICS: WHAT DOES THAT ACTUALLY MEAN?</b> James WRIGHT (CANADA)	
16:00 - 17:30	Lecture	Free Papers
	<b>Thromboprophylaxis</b>	
	<i>Moderators:</i> Philippe DELINCE (BELGIUM) & Fred OTSYENO (KENYA)	
30267	<b>A RANDOMISED CONTROLLED TRIAL OF INTERMITTENT PNEUMATIC COMPRESSION (IPC) VERSUS LOW MOLECULAR WEIGHT HEPARIN IN THE PREVENTION OF VENOUS THROMBOEMBOLISM (VTE) IN PATIENTS UNDERGOING ELECTIVE HIP AND KNEE SURGERY</b> Philippe DELINCE, N. FARBOD, B. ALLEMON, D. GHAFIL (BELGIUM)	
30141	<b>VENOUS THROMBOEMBOLISM AFTER TOTAL HIP AND KNEE ARTHROPLASTY AND PROXIMAL FEMORAL FRACTURES</b> Vishwanath MULA, Neil MAITRA, Mahbub ALAM, Silvakolundu SURESH, Mark LOEFFLER (UNITED KINGDOM)	
28928	<b>IMPLEMENTING NICE GUIDELINES ON RISK ASSESSMENT FOR VENOUS THROMBOEMBOLISM: FAILURE, SUCCESS AND CONTROVERSY</b> Dushan THAVARAJAH, Martin WETHERILL (UNITED KINGDOM)	
29598	<b>PROXIMAL INDENTATION IS A CLINICAL SIGN FOR INCREASED RISK OF DVT. ATTENTION TO ANTI-EMBOLISM STOCKING SIZING REDUCES THIS RISK</b> Alice THOMPSON, Sophie WALTER, Luke BRUNTON, Sanchit MEHENDALE, Alison SMITH, Greg PICKERING, Gordon BANNISTER (UNITED KINGDOM)	
28797	<b>INCIDENCE OF VENOUS THROMBOEMBOLISM IN FRACTURES AROUND KNEE AND BELOW KNEE UNDER PHYSICAL AND MECHANICAL PROPHYLAXIS WITHOUT DRUG ADMINISTRATION</b> Takahiro NIIKURA, Sang Yang LEE, Akihiro KOH, Takaaki KOGA, Yoshihiro DOGAKI, Masahiro KUROSAKA (JAPAN)	
28796	<b>INCIDENCE OF VENOUS THROMBOEMBOLISM IN PELVIC FRACTURES UNDER PHYSICAL AND MECHANICAL PROPHYLAXIS WITHOUT DRUG ADMINISTRATION</b> Takahiro NIIKURA, Sang Yang LEE, Akihiro KOH, Takaaki KOGA, Yoshihiro DOGAKI, Masahiro KUROSAKA (JAPAN)	
29400	<b>ACUTE PULMONARY EMBOLISM AS A RESULT OF LOWER LIMB EXSANGUINATION AND TOURNIQUET INFLATION. A CASE REPORT AND LITERATURE REVIEW</b> Konrad Sebastian WRONKA, Jonathan DAVIES (UNITED KINGDOM)	
28051	<b>ARE WE COMPLETING VENOUS THROMBOEMBOLISM RISK ASSESSMENT PROFORMAS IN ORTHOPAEDIC PATIENTS?</b> Nawfal AL-HADITHY, Madhavan PAPANNA, Simon MORDECAI, Syed HAQUE, Mohammed JESRY, Jim GRAY (UNITED KINGDOM)	

**Tuesday, 6 September**

**Club E**

16:00 - 17:30

**Symposium**

**How to Use Orthopaedic Databases Effectively During Literature Search**

*Moderator:*

Fatih KUCUKDURMAZ (TURKEY)

**PUBMED DATABASE**

Fatih KUCUKDURMAZ (TURKEY)

**COCHRANE DATABASE**

Mohammad SUKEIK (UNITED KINGDOM)

**EMBASE DATABASE**

Hakan KIVILCIM (TURKEY)

# Tuesday, 6 September

## Club H

08:00 - 09:40

Educational Day

### The Hip

*Moderator:*

Vikas KHANDUJA (UNITED KINGDOM)

#### **INTRODUCTION & WELCOME**

Vikas KHANDUJA (UNITED KINGDOM)

#### **SICOT YSC & ITS ACTIVITIES**

Hatem SAID (EGYPT)

#### **APPLIED ANATOMY OF THE HIP**

Vishy MAHADEVAN (UNITED KINGDOM)

#### **SURGICAL EXPOSURES TO THE HIP**

Vishy MAHADEVAN (UNITED KINGDOM)

#### **BASIC BIOMECHANICS OF THE HIP JOINT**

Emmanuel AUDENAERT (BELGIUM)

09:40 - 10:20

*Coffee break*

10:20 - 12:00

Educational Day

### The Hip

#### **ACETABULAR FRACTURES & DISLOCATIONS**

Valer DZUPA, J. SKALA (CZECH REPUBLIC)

#### **NECK OF FEMUR FRACTURES**

Fatih KUCUKDURMAZ (TURKEY)

#### **TROCHANTERIC & SUBTROCHANTERIC FRACTURES**

Hatem SAID (EGYPT)

#### **ARTHRODESIS OF THE HIP**

Josef VCELAK (CZECH REPUBLIC)

#### **ARTHROSCOPY OF THE HIP**

Vikas KHANDUJA (UNITED KINGDOM)

12:00 - 13:00

*Lunch break*

13:00 - 14:40

Educational Day

### The Hip

#### **OSTEOTOMIES AROUND THE HIP**

Khaled EMARA (EGYPT)

#### **PRIMARY THR & DIFFICULT PRIMARY THR**

Mandeep DHILLON (INDIA)



**THR – FIXATION**

Tomas TRC (CZECH REPUBLIC)

**THR – BEARINGS**

Hitendra DOSHI (SINGAPORE)

**THR – COMPLICATIONS & PITFALLS**

Jacob MUNRO (NEW ZEALAND)

14:40 - 15:20 *Coffee break*

15:20 - 17:00 Educational Day

**The Hip**

**30300 RECONSTRUCTION OF THE ACETABULUM IN REVISION THA**

Maher HALAWA (UNITED KINGDOM)

**OSTEONECROSIS OF THE HIP**

Vijay SHETTY (INDIA)

**RESURFACING ARTHROPLASTY OF THE HIP**

Peter YAU (HONG KONG)

**EXCISION ARTHROPLASTY OF THE HIP**

Vratislav RYBKA (CZECH REPUBLIC)

**CLOSING REMARKS & COURSE EVALUATION**

Vikas KHANDUJA (UNITED KINGDOM)

## Wednesday, 7 September

	Forum Hall	Meeting Hall I	Meeting Hall IV	Meeting Hall V	Panorama Hall	Terrace I
08:00-08:55	<b>IHS</b> Symposium Bearing Couples	Instructional Course Damage Control in Polytrauma- tized Patients	<b>IFPOS/SICOT</b> Lecture & Free Papers <b>Paediatrics</b> Upper Extre- mity / Limb Lengthening	Instructional Course Management of Rotator Cuff Pathology	<b>SRS</b> Symposium Juvenile Deformities, Growing Spine	Instructional Course DVT Prevention in Orthopaedics
08:55-09:30	<b>IHS</b> Symposium Joint Preservation					
09:30-10:00	<i>Coffee break</i>					
10:00-10:30	Presidential Lecture Cody Bünger (Denmark)					
10:30-10:50	<i>Coffee break</i>	Lectures & Free Papers <b>SICOT Trauma</b> Fractures Around the Knee II: Patella	<b>IFPOS/SICOT</b> Free Papers <b>Paediatrics</b> Neuromus- cular / Knee / Infections	Free Papers <b>Paediatrics</b> & <b>Trauma</b> Miscellaneous	<b>SRS</b> Symposium Adolescent Idiopathic Scoliosis	<b>EFOST</b> Symposium Elbow & Hip Related Sports Injuries
10:50-11:45	<b>IHS</b> Symposium Complications of THA					
11:45-12:00	<b>IHS</b> Symposium Issues in Revision THA					
12:00-12:30	<i>Lunch break</i>					
12:30-13:30	<i>Lunch break</i>	<i>Lunch break</i>	Industry Symposium <b>Ceramtec</b>	Industry Symposium <b>KCI</b>	<i>Lunch break</i>	Industry Symposium <b>BIOMET</b>
14:00-15:30	Lecture & Free Papers <b>Hip</b> Complex Dysplasia	Lectures & Free Papers <b>SICOT Trauma</b> Committee Fractures Around the Knee III: Proximal Tibia	<b>IFPOS/SICOT</b> Free Papers <b>Paediatrics</b> Spine / DDH / Hip	Free Papers <b>Osteonecrosis</b>	<b>SRS</b> Symposium Adult Spine Deformity	<b>ESSKA</b> Symposium Athlete's Ankle
15:30-16:00	<i>Coffee break</i>					
16:00-16:30	Plenary Lecture Pierre Hoffmeyer (Switzerland)					
16:30-18:00	Lecture & Free Papers <b>Hip</b> Positioning of Implant	Free Papers <b>Trauma</b> Shaft of Tibia	<b>IFPOS/SICOT</b> Lecture & Free Papers <b>Paediatrics</b> Hip / Perthes / Fractures	<b>CSOT</b> Symposium Czech Orthopaedics & Traumatology	<b>SRS</b> Symposium Kyphosis & Spondylolis- thesis	<b>ESSKA</b> Symposium Hip Arthroscopy

	Club A	Club B	Club C	Club D	Club E	Club H
08:00-08:45	Instructional Course Basics of Modern Rheumatology	Free Papers <b>Foot &amp; Ankle</b> Hallux Valgus	Free Papers <b>Biomaterials</b>	Free Papers <b>Hand</b> Scaphoid & Wrist	Instructional Course Natural Disasters & Mass Casualties	<b>CAOS</b>
Symposium Science						
08:45-09:30						<b>CAOS</b>
						Symposium Clinical Applications in Knee Replacement
09:30-10:00	Coffee break					
10:00-10:30						
10:30-11:15	Lectures & Free Papers <b>Trauma</b> Elbow	Free Papers <b>Foot &amp; Ankle</b> Miscellaneous I	Free Papers <b>Research</b> Clinical II	Free Papers <b>Trauma</b> Distal Radius	<b>DGU</b>	<b>CAOS</b>
					Symposium Trauma Prevention - Road Traffic Accidents	Symposium Clinical Applications in Other Indications
11:15-12:00						<b>CAOS</b>
						Symposium Future
12:00-14:00	Industry Symposium <b>BIOMET</b>	Lunch break			Industry Symposium <b>Synthes</b>	Industry Symposium <b>Aesculap</b>
12:30-13:30		<b>General Assembly of SICOT Members</b>				
13:30-14:00		Lunch break				
14:00-15:30	Free Papers <b>Elbow</b> Wrist	Free Papers <b>Foot &amp; Ankle</b> Miscellaneous II	Symposium Hip Arthroscopy	Free Papers <b>Hand</b> Soft Tissues	Free Papers <b>Road Trauma</b>	Free Papers <b>Navigation</b>
15:30-16:00	Coffee break					
16:00-16:30						
16:30-18:00	<b>EFORT</b> Symposium European Arthroplasty Register	Free Papers <b>Trauma</b> Foot	Free Papers <b>Research</b> Cells	Free Papers <b>Hand</b> Miscellaneous	Symposium Natural Disasters: Amputation: When, How & After	Free Papers <b>Spine</b> Cervical

# Wednesday, 7 September

## Forum Hall

08:00 - 08:55

### Symposium

#### International Hip Society (IHS): Bearing Couples

*Moderator:*

Laurent SEDEL (FRANCE)

#### **WELCOME**

Miguel CABANELA (UNITED STATES)

#### **HIGHLY CROSS-LINKED POLYETHYLENE**

Harry RUBASH (UNITED STATES)

#### **CERAMIC-CERAMIC**

Laurent SEDEL (FRANCE)

#### **METAL-METAL**

Adolph LOMBARDI (UNITED KINGDOM)

#### **CURRENT USE OF COUPLES – THE FUTURE**

William MALONEY (UNITED STATES)

#### **DISCUSSION Q&A**

08:55 - 10:00

### Symposium

#### International Hip Society (IHS): Joint Preservation

*Moderator:*

Reinhold GANZ (SWITZERLAND)

#### **EPIDEMIOLOGY OF FAI IN NORTH AMERICA**

John CLOHISY (UNITED STATES)

#### **PREVALENCE/ASSOCIATION OF FAI WITH OA IN YOUNG ADULTS**

Michael LEUNIG (SWITZERLAND)

#### **WHAT CAN STILL BE MISSED ON CONVENTIONAL RADIOGRAPHS OF THE HIP?**

Martin BECK (SWITZERLAND)

#### **CAN 3D COMPUTED HIP MOTION CONTRIBUTE TO BETTER UNDERSTANDING OF HIP PATHOPHYSIOLOGY?**

Klaus SIEBENROCK (SWITZERLAND)

#### **RESULT OF OPEN DISLOCATION FOR FAI IN ATHLETES UNDER 21**

Robert TROUSDALE (UNITED STATES)

#### **PROSPECTIVE MULTICENTER STUDY OF DEMOGRAPHICS, EARLY RESULTS AND COMPLICATIONS OF PERIACETABULAR OSTEOTOMY: THE ANCHOR EXPERIENCE**

Michael MILLIS (UNITED STATES)

#### **DISCUSSION Q&A**

10:00 - 10:30	<p><b>Presidential Lecture</b></p> <p><b>Cody BÜNGER (DENMARK)</b></p> <p><b>GLOBAL CHALLENGES IN ORTHOPAEDICS: THE NEW ROLES OF SICOT</b>  Cody BÜNGER (DENMARK)  <i>with guest speaker, Dieter KOCH, Member of the European Parliament</i></p>
10:30 - 10:50	<i>Coffee break</i>
10:50 - 11:45	<p><b>Symposium</b></p> <p><b>International Hip Society (IHS): Complications of THA</b></p> <p><i>Moderator:</i> Henrik MALCHAU (UNITED STATES)</p> <p><b>DISLOCATION</b> Peter DEVANE (NEW ZEALAND)</p> <p><b>WEAR-OSTEOLYSIS</b> Steven MACDONALD (CANADA)</p> <p><b>PERIPROSTHETIC FRACTURE</b> Daniel BERRY (UNITED STATES)</p> <p><b>INFECTION</b> Moussa HAMADOUCHE (FRANCE)</p> <p><b>ABDUCTOR INSUFFICIENCY</b> Miguel CABANELA (UNITED STATES)</p> <p><b>DISCUSSION Q&amp;A</b></p>
11:45 - 12:30	<p><b>Symposium</b></p> <p><b>International Hip Society (IHS): Issues in Revision THA</b></p> <p><i>Moderator:</i> Miguel CABANELA (UNITED STATES)</p> <p><b>ACETABULAR AUGMENTS</b> David LEWALLEN (UNITED STATES)</p> <p><b>FAILED CERAMIC</b> Laurent SEDEL (FRANCE)</p> <p><b>FAILED RESURFACING AND METAL-METAL</b> Paul BEAULE (CANADA)</p> <p><b>MODULAR FEMORAL COMPONENTS</b> Carsten PERKA (GERMANY)</p> <p><b>DISCUSSION Q&amp;A</b></p>
12:30 - 14:00	<i>Lunch break</i>

14:00 - 15:30

Lecture

Free Papers

### Hip - Complex Dysplasia

*Moderators:*

Luis LOPEZ-DURAN STERN (SPAIN) & Yixin ZHOU (CHINA)

#### TOTAL HIP REPLACEMENT FOR A CONGENITAL HIGH RIDING HIP

Yixin ZHOU (CHINA)

- 28006 TOTAL HIP ARTHROPLASTY IN DEVELOPMENTAL DYSPLASTIC HIP, 5 YEARS EXPERIENCE**  
Dariush GOURAN SAVADKOOHI, Babak SIAVASHI, Mohammad GOURAN SAVADKOOHI, Mohammadreza GOLBAKHSI (IRAN)
- 29479 EARLY INDEPENDENT OUTCOME OF CUSTOM MADE STEMS FOR DYSPLASTIC FEMURS IN THE YOUNG PATIENT**  
Ravindra BADGE, Amit SHAH, Ram MOHAN (UNITED KINGDOM)
- 28497 RESULTS OF PRIMARY TOTAL HIP ARTHROPLASTY FOR SEVERE DYSPLASTIC OSTEOARTHRITIS**  
Asparouh ASPAROUHOV, Yordan VALESHKOV, Svilen TODOROV (BULGARIA)
- 28234 TOTAL HIP ARTHROPLASTY AFTER PREVIOUS ACETABULUM FRACTURE FIXATION**  
Dariush GOURAN SAVADKOOHI, Babak SIAVASHI, Mohammad GOURAN SAVADKOOHI (IRAN)
- 28347 FIXATION OF PRESS-FIT CUPS IN THE PRESENCE OF ACETABULAR DEFECTS – DESIGN VS PRIMARY STABILITY**  
Wolfgang HUBER<sup>1</sup>, Philip NOBLE<sup>2</sup>  
<sup>1</sup>(AUSTRIA), <sup>2</sup>(UNITED STATES)
- 28168 RESULTS OF THR IN ARTRHOSES OF HIPS**  
Ana TORRES, Mariano FERNANDEZ-FAIREN, Antonio MURCIA ASENSIO, Antonio MEROÑO, Antonio MURCIA MAZON (SPAIN)
- 29095 TOTAL HIP ARTHROPLASTY IN ANKYLOSED HIP: A SURGICAL CHALLENGE: RETROSPECTIVE STUDY**  
Chandra YADAV<sup>1</sup>, Ashok KUMAR<sup>2</sup>, Shah KHAN<sup>1</sup>, Shishir RASTOGI<sup>1</sup>  
<sup>1</sup>(INDIA), <sup>2</sup>(UNITED ARAB EMIRATES)
- 27471 A 15-YEAR COMPARISON OF CEMENTLESS TOTAL HIP ARTHROPLASTY PLACED AT ANATOMICAL HIP CENTER WITH BULK BONE GRAFTING OR HIGH HIP CENTER FOR DEVELOPMENTAL DYSPLASIA OF THE HIP**  
Takashi MURAYAMA, Hideo OHNISHI, Toshiharu MORI, Nariaki NAKURA, Satoshi OKABE, Hiroshi TSURUKAMI, Soshi UCHIDA, Akinori SAKAI, Toshitaka NAKAMURA (JAPAN)
- 28297 COMPLEX PRIMARY HIP REPLACEMENT IN POST TUBERCULOSIS ARTHRITIS**  
Prabhat Kumar SINGH, Mrinal SHARMA, Yatinder KHARBANDA, Rajiv RAMAN, Gaurav SHARMA (INDIA)

15:30 - 16:00

*Coffee break*

16:00 - 16:30

Plenary Lecture

**Pierre HOFFMEYER (SWITZERLAND)**

**POLYTRAUMA: AN EVOLVING SPECTRUM**

Pierre HOFFMEYER (SWITZERLAND)

**Hip - Positioning of Implant***Moderators:*

Felix GIL-ORBEZO (MEXICO) &amp; Stuart GOODMAN (UNITED STATES)

**REVISION JOINT REPLACEMENT AND OSTEOLYSIS**

Stuart GOODMAN (UNITED STATES)

- 29544 IMAGE-FREE COMPUTER-ASSISTED CAP POSITIONING IN HIP RESURFACING – A RANDOMIZED PROSPECTIVE STUDY**  
Maik STIEHLER, Stephan KIRSCHNER, Jens GORONZY, Frank KRUMMENAUER, Klaus-Peter GÜNTHER (GERMANY)
- 28782 THE OPERATING TABLE PLANE – TRUSTY GUIDANCE FOR PROPER CUP PLACEMENT IN TOTAL HIP ARTHROPLASTY?**  
Florian RADETZKI<sup>1</sup>, Thomas MENDEL<sup>1</sup>, Hansrudi NOSER<sup>2</sup>, Karsten STOCK<sup>1</sup>, David WOHLRAB<sup>1</sup>  
<sup>1</sup>(GERMANY), <sup>2</sup>(SWITZERLAND)
- 28270 USE OF AN ULTRASOUND BASED NAVIGATION SYSTEM FOR AN ACCURATE ACETABULAR POSITIONING IN TOTAL HIP ARTHROPLASTY. A PROSPECTIVE, RANDOMIZED, CONTROLLED STUDY**  
Georgi WASSILEW, Carsten PERKA, Viktor JANZ, Olaf HASART (GERMANY)
- 30028 EVALUATION OF ACETABULAR CUP ORIENTATION IN TOTAL HIP REPLACEMENT – COMPARISON OF FREEHAND VS MECHANICAL JIG ASSISTED VS NAVIGATION ASSISTED CUP PLACEMENT: AN INDIAN EXPERIENCE**  
Ajith Kumar SHETTY, Shantharam SHETTY, Kanthi KIRAN, Abhishek KINI (INDIA)
- 29992 UTILITY OF JOINT REGISTRY DATA IN IMPROVING ACETABULAR CUP POSITIONING IN TOTAL HIP REPLACEMENT**  
Henrik MALCHAU, Young-Min KWON, Mark CALLANAN, Charles BRAGDON, Jennifer VAN WARMERDAM, Ravi BASHYAL (UNITED STATES)
- 29633 A NEW ACCURATE METHOD OF MEASURING ACETABULAR CUP ANTEVERSION ON SIMULATED RADIOGRAPHS**  
Vikas BACHHAL, Ramesh Kumar SEN, Sarvdeep DHATT, Sushil RANGDAL, Uttam SAINI (INDIA)
- 28295 ULTRASOUND BASED COMPUTER NAVIGATION OF THE ACETABULAR COMPONENT: A FEASIBILITY STUDY**  
Viktor JANZ, Carsten PERKA, Georgi WASSILEW (GERMANY)
- 27260 PROXIMAL FEMORAL ANATOMY IN TOTAL HIP ARTHROPLASTY: A TRI-PLANAR COMPUTERIZED TOMOGRAPHIC ASSESSMENT**  
Adeel MEMON (IRELAND)
- 29059 DOUBLE ACETABULAR WALL: A MISLEADING POINT FOR HIP ARTHROPLASTY**  
Firooz MADADI (IRAN)

# Wednesday, 7 September

## Meeting Hall I

08:00 - 09:30

Instructional Course

### Damage Control in Polytraumatized Patients

*Moderator:*

Gershon VOLPIN (ISRAEL)

#### **INTRODUCTION**

Gershon VOLPIN (ISRAEL)

#### **EARLY TOTAL CARE (ETC)**

James WADDELL (CANADA)

#### **DAMAGE CONTROL ORTHOPEDICS (DCO)**

Gershon VOLPIN (ISRAEL)

#### **POLYTRAUMA – OPERATIVE PROCEDURES – THE TIME OF SURGERY**

Vilmos VECSEI (AUSTRIA)

09:30 - 10:00

*Coffee break*

10:00 - 10:30

Presidential Lecture (*in Forum Hall*)

### Cody BÜNGER (DENMARK)

#### **GLOBAL CHALLENGES IN ORTHOPAEDICS: THE NEW ROLES OF SICOT**

Cody BÜNGER (DENMARK)

*with guest speaker, Dieter KOCH, Member of the European Parliament*

10:30 - 12:00

Lectures

Free Papers

### SICOT Trauma Committee - Fractures Around the Knee II: Patella

*Moderators:*

Stefan MARLOVITS (AUSTRIA) & Gershon VOLPIN (ISRAEL)

#### **PATELLA**

Stefan MARLOVITS (AUSTRIA)

#### **THE OUTCOME OF VARIOUS SURGICAL MODALITIES FOR FRACTURES OF THE PATELLA**

Gershon VOLPIN (ISRAEL)

#### **28728 EVALUATION OF TREATMENT MODALITIES OF MANAGEMENT OF FLOATING KNEE**

T.N. CHIRAG, Atul PATIL (INDIA)

#### **28425 NEGLECTED HOFFA'S FRACTURE**

Anil JAIN, Ish DHAMMI, Vipul GARG (INDIA)

#### **28737 IMPACTION BONE GRAFTING FOR THE TREATMENT OF SEGMENTAL BONE DEFECTS IN FEMORAL NON-UNIONS: TECHNIQUE AND PRELIMINARY RESULTS**

Bogdan SOLOMON, Mellick CHEHADE, Stuart CALLARY, Adhiraj CHAKRABARTY, Donald HOWIE (AUSTRALIA)



27115	<b>MANAGEMENT OF PROXIMAL THIRD TIBIAL FRACTURES BY INTERLOCK NAIL AND POLLER SCREW ALONG WITH POSSIBLE EXTENDED IMPLICATIONS OF POLLER SCREW</b> Shreenath KULKARNI, Sunil KULKARNI, Govind KULKARNI, Milind KULKARNI, Vidisha KULKARNI (INDIA)																																
29702	<b>EXTRA-ARTICULAR PROXIMAL THIRD TIBIAL FRACTURES: INTRAMEDULLARY NAILING VERSUS PLATING – AN ANALYSIS OF 60 CASES</b> Ratna JOHARI, Sunil KULKARNI, Shalin MAHESHWARI (INDIA)																																
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## Trauma - Shaft of Tibia

*Moderators:*

Werner KNOPP (GERMANY) &amp; Galal Zaki SAID (EGYPT)

- 28220 MANAGEMENT OF OPEN GRADE III TIBIAL FRACTURES WITH UNREAMED INTERLOCKING NAIL**  
Rajnish GARG, Daljit SINGH (INDIA)
- 29475 OPEN TIBIA FRACTURES IN SOKOTO, NIGERIA: A REVIEW OF 71 CASES**  
Muhammad OBOIRIEN, Salisu ISMAIL (NIGERIA)
- 28470 OPERATIVE MANAGEMENT OF TYPE II AND TYPE IIIA OPEN TIBIAL FRACTURES PRESENTING FROM 6 TO 24 HOURS AFTER INJURY: AN INDIAN EXPERIENCE**  
Sandeep PATEL, Mandeep DHILLON, Kamal BALI (INDIA)
- 28821 EPIDEMIOLOGICAL ANALYSIS OF 323 OPEN TIBIAL DIAPHYSEAL FRACTURE OUTCOMES – A 10-YEAR EXPERIENCE**  
Weiliang CHUA, Diarmuid MURPHY, Hitendra DOSHI, Fareed KAGDA, Joseph THAMBIAH (SINGAPORE)
- 27941 DETERMINANTS OF QUALITY OF LIFE AFTER OPEN TIBIAL SHAFT FRACTURES: FINDINGS OF A MULTICENTER STUDY**  
Werner KNOPP, Klaus-Michael STÜRMER, Joachim KUGLER (GERMANY)
- 28974 CLINICAL OUTCOMES OF DEFINITIVE FIXATION AND SOFT TISSUE COVERAGE IN OPEN GRADE III TIBIA SHAFT FRACTURES**  
Vaarun BURGULA MAITRA, Vinodh Kumar PANNIRSELVAM, Hitendra DOSHI, Diarmuid MURPHY (SINGAPORE)
- 27712 MINIMAL FIXATIONS FOR TREATMENT OF CLOSED SEGMENTAL FRACTURES OF TIBIAL SHAFT IN ADULTS**  
Ayyoub AL-DOLAYMI, Mohanad HASAN, Rami AHMED, Dawood AL-OBAIDI (IRAQ)
- 29018 COMPARATIVE STUDY OF ILIZAROV METHOD OF EXTERNAL FIXATION AND UNREAMED INTERLOCKING NAILING IN COMPOUND FRACTURES OF TIBIA**  
Abhishek BANSAL, Omprakash MEENA, M.K. Siddaliga SWAMY (INDIA)
- 27154 TREATMENT OF INFECTED NON UNION TIBIA {ROSENS TYPE 2} BY INDIGENOUSLY DEVELOPED ANTIBIOTIC COATED NAIL, ANTIBIOTIC COATED BEADS AND ILIZAROV RING FIXATOR – A STUDY OF 200 CASES**  
Shreenath KULKARNI, Govind KULKARNI, Ruta KULKARNI, Sunil KULKARNI (INDIA)
- 28356 A RANDOMIZED PILOT TRIAL OF INTRAMEDULLARY NAILING VERSUS ‘LOCKING-PLATE’ FIXATION FOR EXTRA-ARTICULAR FRACTURES OF THE DISTAL TIBIA**  
Cyril MAUFFREY, Katie MCGUINNESS, Nick PARSONS, Juul ACHTEN, Matt COSTA (UNITED KINGDOM)

# Wednesday, 7 September

## Meeting Hall IV

08:00 - 09:30

Lecture

Free Papers

International Federation of Paediatric Orthopaedic Societies (IFPOS) / SICOT:  
Paediatrics - Upper Extremity / Limb Lengthening

*Chairman:*

Jiri CHOMIAK (CZECH REPUBLIC)

*Moderators:*

Jacques CATON (FRANCE), Khaled EMARA (EGYPT), Franz GRILL (AUSTRIA) & Gamal HOSNY (EGYPT)

- 30262 LIMB LENGTHENING OF THE LOWER LIMBS IN SHORT STATURE PEOPLE, TEENAGERS AND YOUNG ADULTS**  
Jacques CATON (FRANCE)
- 29215 TO EVALUATE THE FUNCTIONAL RESULTS OF SURGICAL RECONSTRUCTION OF UPPER EXTREMITY IN TETRAPLEGICS**  
Sukhbir Singh SANGWAN, Zile Singh KUNDU, Rakesh GOEL, Mukul MOHINDRA (INDIA)
- 28239 ONE BONE FOREARM – A RECONSTRUCTIVE PROCEDURE FOR RADIO-ULNAR DEFECTS**  
Sanjay KESHKAR, Ratnesh KUMAR (INDIA)
- 29369 OPTIMAL LOCATION OF MEDIAL HINGE FOR CLOSED WEDGE OSTEOTOMY OF CUBITUS VARUS TO MINIMIZE LATERAL CONDYLAR PROMINENCE**  
Banchong MAHAISAVARIYA, Kriskrai SITHISERIPRATEEP, Nattapon CHANTARAPANICH (THAILAND)
- 29340 DOME OSTEOTOMY STABILISED WITH JESS FOR CORRECTION OF CUBITUS VARUS DEFORMITY**  
Vikas BACHHAL, Sammunder SINGH, Sameer AGGARWAL, Mandeep DHILLON (INDIA)
- 27394 MODIFIED STEP CUT OSTEOTOMY FOR POST TRAUMATIC CUBITUS VARUS: OUR EXPERIENCE WITH 14 CHILDREN**  
Kamal BALI, Pebam SUDESH, Vibhu KRISHNAN (INDIA)
- 29692 LIMB LENGTHENING WITH A SUBMUSCULAR PLATE**  
Ratna JOHARI, Ruta KULKARNI, Nishant SINGH (INDIA)
- 29046 THE AIM OF THIS STUDY IS TO EVALUATE CASES TREATED WITH GRADUAL FOOT LENGTHENING USING EXTERNAL FIXATION**  
Gamal HOSNY (EGYPT)
- 29280 RESPONSE OF CHONDRO-PROGENITOR CELLS FROM THE HUMAN PHYSIS TO MECHANICAL STRAIN AND INTERLEUKIN-1 $\beta$**   
Karin PICHLER, Tanja KRAUS, Sonja WALZER, Robert EBERL, Annelie-Martina WEINBERG, Reinhard WINDHAGER (AUSTRIA)
- 29381 CORRECTION OF SEVERE BLOUNTS DISEASE IN OLDER CHILDREN WITH DISTRACTION OSTEOGENESIS**  
Aik SAW, Wan Hee LEONG, Yeok Pin CHUA, Poh Chen LEE (MALAYSIA)
- 29831 LIMB RECONSTRUCTION FOR CHILDREN WITH CONGENITAL TIBIAL HEMIMELIA**  
Noriko URANO, Toshio FUJII (JAPAN)

09:30 - 10:00

*Coffee break*

10:00 - 10:30 Presidential Lecture (*in Forum Hall*)

**Cody BÜNGER (DENMARK)**

**GLOBAL CHALLENGES IN ORTHOPAEDICS: THE NEW ROLES OF SICOT**

Cody BÜNGER (DENMARK)

*with guest speaker, Dieter KOCH, Member of the European Parliament*

10:30 - 12:00 Free Papers

**International Federation of Paediatric Orthopaedic Societies (IFPOS) / SICOT:  
Paediatrics - Neuromuscular / Knee / Infections**

*Chairman:*

Jan POUL (CZECH REPUBLIC)

*Moderators:*

Patricia FUCS (BRAZIL), Franz GRILL (AUSTRIA) & Maher Ben GHACHEM (TUNISIA)

**29879 DEGA OSTEOTOMY: A SHORT TO MEDIUM TERM REVIEW OUTCOME OF 23 DISLOCATED HIPS IN CHILDREN WITH NEUROMUSCULAR CONDITIONS**

Margaret Woon Man FOK, Adebayo M. OWOOLA, Michael TO, Wang CHOW (HONG KONG)

**29304 PROXIMAL FEMUR EXTENSION OSTEOTOMY FOR TREATMENT OF FLEXION CONTRACTURE OF THE HIP**

Yuehuei AN, Richard GROSS (UNITED STATES)

**29680 IS THERE ANY BENEFIT TO USING BOTULINUM TOXIN TYPE A IN THE TREATMENT OF LOWER LIMB SPASTICITY IN YOUNGER AGED CHILDREN WITH CEREBRAL PALSY?**

Shalin MAHESHWARI<sup>1</sup>, Ashok JOHARI<sup>1</sup>, Ratna JOHARI<sup>1</sup>, Roslyn BOYD<sup>2</sup>, Siddharth VEMURI<sup>2</sup>  
<sup>1</sup>(INDIA), <sup>2</sup>(AUSTRALIA)

**28937 DEVELOPMENT AND INITIAL VALIDATION OF THE ASSESSMENT OF CAREGIVER EXPERIENCE WITH NEUROMUSCULAR DISEASE (ACEND)**

David ROYE, Hiroko MATSUMOTO, Debra KRASINSKI, Stephen A. KLINGE, Jaime A. GOMEZ, Whitney A. BOOKER, Nicholas D. COLACCHIO, David P. ROYE, Michael G. VITALE, Joshua E. HYMAN (UNITED STATES)

**29639 TREATMENT OF FIXED KNEE DEFORMITY IN CEREBRAL PALSY, USING DISTAL FEMORAL EXTENSION OSTEOTOMY WITH PATELLAR TENDON SHORTENING**

Silvia RECINIELLO, Mario LAMPROPULOS, Hernan IRIARTE, Juan ZICARO (ARGENTINA)

**29412 BOTULINUM TOXIN A TREATMENT IN CEREBRAL PALSY. RESULTS OF SURVEY IN 46 PATIENTS**

Albert FUJAK, Steffen KÖCKERITZ, Raimund FORST, Jürgen FORST (GERMANY)

**28898 CRUCIATE LIGAMENTS IN PROXIMAL FEMORAL FOCAL DEFICIENCY: ARTHROSCOPIC ASSESSMENT AND CLINICAL RELEVANCE**

Jiri CHOMIAK, Ales PODSKUBKA, Pavel DUNGL, Martin OSTADAL, Monika FRYDRYCHOVA (CZECH REPUBLIC)

**28333 MANAGEMENT OF NEGLECTED HABITUAL DISLOCATION OF PATELLA: A CASE SERIES**

Sumit BATRA, Aman GOYAL, Vinod SHARMA (INDIA)

**29671 POST SEPTIC HIP DISLOCATION IN CHILDREN WITH PRESENCE OF CAPITAL FEMORAL EPIPHYSIS – A STUDY OF 21 HIPS**

Shalin MAHESHWARI, Ashok JOHARI, Ratna JOHARI (INDIA)

- 28879 NONVASCULARISED FIBULAR GRAFTING IN POST OSTEOMYELITIC GAP NON UNION IN CHILDREN LESS THAN 10 YEARS – OUR SURGICAL EXPERIENCE**  
Sudesh PEBAM, Nirmal Raj GOPINATHAN, B. Kantharajanna SHASHIDHAR, Vijay G. GONI (INDIA)
- 12:00 - 12:30 *Lunch break*
- 12:30 - 13:30 **Industry Symposium**
- Ceramtec:  
Bearings in THA - Pros and Cons**
- Moderators:*  
Pavel DUNGL (CZECH REPUBLIC), Tomas TRC (CZECH REPUBLIC) & Karl ZWEYMÜLLER (AUSTRIA)
- BASICS OF TRIBOLOGY IN THA**  
Rihard TREBSE (SLOVENIA)
- COMBINATION OF BEARING MATERIALS AND SOURCES OF ERROR**  
Carsten PERKA (GERMANY)
- IS SQUEAKING IN THA REALLY A PROBLEM?**  
Radovan KUBES (CZECH REPUBLIC)
- CLINICAL EXPERIENCE WITH CERAMIC BEARINGS**  
Gerald PFLÜGER (AUSTRIA)
- Q&A AND DISCUSSION**
- 13:30 - 14:00 *Lunch break*
- 14:00 - 15:30 **Free Papers**
- International Federation of Paediatric Orthopaedic Societies (IFPOS) / SICOT:  
Paediatrics - Spine / DDH / Hip**
- Chairman:*  
Petr CHLADEK (CZECH REPUBLIC)
- Moderators:*  
David ARONSSON (UNITED STATES), Carlo MILANI (BRAZIL), Michael MILLIS (UNITED STATES) & George THOMPSON (UNITED STATES)
- 29272 SINGLE STAGE VERTEBRAL COLUMN RESECTION (VCR) OF HEMIVERTEBRAE IN CHILDREN UNDER THE AGE OF 10 YEARS**  
Mohammad EL-SHARKAWI, Wael KOPTAN, Yasser ELMILIGUI (EGYPT)
- 30124 THE 4 RIB CONSTRUCT FOR KYPHOTIC EARLY ONSET SPINAL DEFORMITY**  
Alaa AHMAD<sup>1</sup>, Richard GROSS<sup>2</sup>  
<sup>1</sup>(PALESTINE), <sup>2</sup>(UNITED STATES)
- 29322 NEW ULTRASOUND SCREENING PROTOCOL FOR DETECTION OF DEVELOPMENTAL DYSPLASIA OF THE HIP (DDH) WITH BETTER COST-BENEFIT RATIO**  
Jakob NARANDA, Tomaz TOMAZIC (SLOVENIA)
- 28402 GRAF TYPE IIA HIPS NEEDS MORE CONSIDERATION IN FEMALE BABIES**  
Hakan OMEROGLU, Remzi CAYLAK, Ulukan INAN, Nusret KOSE (TURKEY)
- 28569 DOSE AN INTERTROCHANTERIC OSTEOTOMY ACCELERATE THE REMODELING OF FEMORAL HEAD AFTER SLIPPED CAPITAL FEMORAL EPIPHYSIS?**  
Toshio KITANO, Keisuke NAKAGAWA, Mayuko WADA, Mitsuaki MORITA, Yoshitaka EGUCHI (JAPAN)

- 27700 EVALUATION OF DECISIONS OF EXPERIENCED SURGEONS REGARDING THE NEED FOR SECONDARY SURGERY IN DEVELOPMENTAL DYSPLASIA OF THE HIP**  
Hakan OMEROGLU, Haluk AGUS, Ali BICIMOGLU, Yucel TUMER (TURKEY)
- 28472 PEDIATRIC FEMORAL NECK FRACTURES: OUR 10 YEARS OF EXPERIENCE IN MANAGEMENT**  
Sandeep PATEL, Mandeep DHILLON, Kamal BALI (INDIA)
- 28290 SALTER INNOMINATE OSTEOTOMY FOR TREATMENT OF DEVELOPMENTAL DYSPLASIA OF THE HIP IN DIFFERENT WALKING AGED CHILDREN**  
Jun LI (CHINA)
- 30031 RETURN TO PLAY FOLLOWING PERIACETABULAR OSTEOTOMY FOR TREATMENT OF ACETABULAR DYSPLASIA IN YOUNG ATHLETES**  
Michael MILLIS, Benton HEYWORTH, Eduardo NOVAIS, Young-Jo KIM (UNITED STATES)
- 28871 3D ANALYSIS AFTER QUADRUPLE OSTEOTOMY OF PELVIS IN OLDER CHILDREN**  
Roger JAWISH, Ali KRAYAN, Joe ABI AKL (LEBANON)
- 15:30 - 16:00 *Coffee break*
- 16:00 - 16:30 **Plenary Lecture (in Forum Hall)**  
**Pierre HOFFMEYER (SWITZERLAND)**  
**POLYTRAUMA: AN EVOLVING SPECTRUM**  
Pierre HOFFMEYER (SWITZERLAND)
- 16:30 - 18:00 **Lecture** **Free Papers**  
**International Federation of Paediatric Orthopaedic Societies (IFPOS) / SICOT:**  
**Paediatrics - Hip / Perthes / Fractures**  
*Chairman:*  
Jan CHARVAT (CZECH REPUBLIC)  
*Moderators:*  
Ashok JOHARI (INDIA), Carlo MILANI (BRAZIL) & George THOMPSON (UNITED STATES)
- 30082 ACETABULAR RETROVERSION IN TRISOMY 21**  
Michael MILLIS, Wudbhav SANKAR, Jonathan SCHOENECKER, Matthew MAYFIELD, Young-Jo KIM (UNITED STATES)
- 29688 ARTHRODIASTASIS IN LATE ONSET PERTHES' DISEASE – AN ANALYSIS OF 11 CASES**  
Ratna JOHARI, Ruta KULKARNI (INDIA)
- 28999 DOSE THE FEMORAL INTERTROCHANTERIC OPEN WEDGE VARUS OSTEOTOMY FOR LEGG-CALVES-PERTHES' DISEASE CHANGE LOW EXTREMITY AXIS AFTER LONG-TERM FOLLOW-UP?**  
Changhoon JEONG, Young Wook LIM (SOUTH KOREA)
- 30296 EVIDENCE BASED TREATMENT OF PERTHES DISEASE**  
Ashokkumar JOHARI (INDIA)
- 30034 DISTAL METAPHYSEAL RADIUS FRACTURES IN CHILDREN: CAN LOSS OF REDUCTION BE PREDICTED?**  
Juan PRETELL, Nicholas BECK, Jordan BREWER, Keith BALDWIN, Wudbhav SANKAR, John FLYNN (UNITED STATES)
- 29847 TORUS/BUCKLE FRACTURE – ARE WE OVER TREATING?**  
Sandesh LAKKOL, Nick BEZZINA, Bayliss NEIL (UNITED KINGDOM)

- 28721 BIOLOGICAL INTERNAL FIXATION OF FEMUR SHAFT FRACTURES BY LOCKED PLATE IN CHILDREN AND ADOLESCENTS**  
Mazen ABULSAAD (EGYPT)
- 30175 APPLICATION OF ELASTIC STABLE INTRAMEDULLARY NAILING (ESIN) TECHNIQUE IN PEDIATRIC HUMERAL FRACTURES**  
Ziming ZHANG, Jing ZHANG, Qiu CHEN, Ting CHEN (CHINA)

# Wednesday, 7 September

## Meeting Hall V

08:00 - 09:30

Instructional Course

### Management of Rotator Cuff Pathology

*Moderator:*

Pietro RANDELLI (ITALY)

#### **CALCIFIC TENDONITIS**

Vojtech HAVLAS (CZECH REPUBLIC)

#### **PARTIAL THICKNESS CUFF TEARS**

Giuseppe MILANO (ITALY)

#### **FULL THICKNESS CUFF TEARS**

Manos ANTONOGIANNAKIS (GREECE)

#### **MASSIVE CUFF TEAR**

Pietro RANDELLI (ITALY)

#### **ROTATOR CUFF ARTHROPATHY, THE ROLE OF REVERSE PROSTHESIS**

Philippe VALENTI (FRANCE)

09:30 - 10:00

*Coffee break*

10:00 - 10:30

Presidential Lecture (*in Forum Hall*)

### Cody BÜNGER (DENMARK)

#### **GLOBAL CHALLENGES IN ORTHOPAEDICS: THE NEW ROLES OF SICOT**

Cody BÜNGER (DENMARK)

*with guest speaker, Dieter KOCH, Member of the European Parliament*

10:30 - 12:00

Free Papers

### Paediatrics & Trauma - Miscellaneous

*Moderators:*

Olivier DELAHAUT (BELGIUM) & Pavel SPONER (CZECH REPUBLIC)

**28626 LONG TERM FOLLOW UP OF FLEXIBLE INTRAMEDULLARY NAILING IN PAEDIATRIC FEMORAL SHAFT FRACTURES**

Vikas BACHHAL, Ramparkash LOHIYA, Sushil RANGDAL, Mandeep DHILLON (INDIA)

**28394 DELAYED FIXATION OF FRACTURE NECK FEMUR IN CHILDREN: HOW MUCH DELAYED IS DELAYED?**

Shah Alam KHAN, Ashok KUMAR (INDIA)

**29631 ELASTIC NAILING FOR FEMUR FRACTURES IN PRESCHOOL CHILDREN**

Yasser ASSAGHIR (EGYPT)

**28884 DISPLACED FRACTURES OF SHAFT OF RADIUS AND ULNA IN PAEDIATRIC POPULATION – OUTCOME OF SURGICAL AND CONSERVATIVE MANAGEMENT**

Konrad Sebastian WRONKA, Jonathan DAVIES, Simon RICHARDS (UNITED KINGDOM)



- 29715 KIRSCHNER WIRE FIXATION FOR COMPOUND FRACTURES OF THE ANKLE IN UNDERPRIVILEGED PATIENTS**  
Bijay Narain SINGH (INDIA)
- 28248 A MULTICENTRIC STUDY OF OPERATIVE FIXATION OF TIBIAL PLATEAU FRACTURES**  
Protyush CHATTERJEE, Gopinath ROY, Gaur Gautam KAR (INDIA)
- 28231 DOES MODIFIED KUNTSCHER NAIL EFFECTIVELY ADDRESS TIBIAL DIAPHYSEAL FRACTURES?**  
Yogesh Sharad SALPHALE, Wasudeo GADEGONE (INDIA)

12:00 - 14:00 Industry Symposium

**KCI:**

**Prevention and Treatment of Infection in Orthopedics and Trauma. What's the role of NPWT-I?**

*Moderator:*

Christian WILLY (GERMANY)

**INTRODUCTION TO THE SYMPOSIUM THEME AND PROGRAM CONTENT**

Christian WILLY (GERMANY)

**OVERVIEW: THE VALUE OF NPWT/INSTILLATION THERAPY IN ORTHOPEDICS AND TRAUMA**

Christian WILLY (GERMANY)

**GENERAL ORTHOPEDICS: CLINICAL EXPERIENCE WITH NPWT-I**

Michael George DENNISON (UNITED KINGDOM)

**TRAUMATOLOGY: APPLICATION OF NPWT-I IN TRAUMATOLOGY; DAILY CLINICAL EXPERIENCE**

Matthias BREM (GERMANY)

**INFECTED ORTHOPEDIC IMPLANTS: THE VALUE OF NPWT-I**

Rolf BECKER (GERMANY)

**Q&A**

**WHAT DO WE DO UPCOMING MONDAY? – IMPLEMENTING TODAY'S LEARNINGS?**

Christian WILLY (GERMANY)

14:00 - 15:30 Free Papers

**Osteonecrosis**

*Moderators:*

Petr CHLADEK (CZECH REPUBLIC) & Philippe HERNIGOU (FRANCE)

**27438 NON TRAUMATIC CAUSES OF BILATERAL AVASCULAR OSTEONECROSIS OF THE FEMORAL HEAD: HEPATITIS C AND PEGYLATED INTERFERON THERAPY RELATIONSHIP**

Juan Gabino GOMEZ MONT, Felix GIL-ORBEZO, Cesareo TRUEBA DAVLILLO, Mario NAVARRETE ALVAREZ, Jorge CARDENAS ELIZONDO, Efrain FARIAS CISNEROS (MEXICO)

**27064 SURVIVORSHIP OF REVISION HIP ARTHROPLASTY IN PATIENTS WITH SICKLE CELL DISEASE**

Philippe HERNIGOU, Alexandre POIGNARD, Charles Henri FLOUZAT LACHANETTE (FRANCE)

**27635 EFFECT OF CORE DECOMPRESSION AND AUTOLOGOUS BONE MARROW MONONUCLEAR CELLS INSTILLATION IN EARLY STAGES OF OSTEONECROSIS OF FEMORAL HEAD: A RANDOMIZED CONTROL STUDY**

Sujit Kumar TRIPATHY, Ramesh Kumar SEN (INDIA)

- 28447 EVALUATION OF BIPOLAR HEMIARTHROPLASTY FOR THE TREATMENT OF STEROID-INDUCED OSTEONECROSIS OF THE FEMORAL HEAD**  
Mitsutoshi MORIYA, Katsufumi UCHIYAMA, Naonobu TAKAHIRA, Kensuke FUKUSIMA, Takeaki YAMAMOTO, Tadashi KAWAMURA, Moritoshi ITOMAN, Masashi TAKASO (JAPAN)
- 28616 IS COMBINATION OF CORE DECOMPRESSION WITH HYPERBARIC OXYGEN BENEFICIAL FOR EARLY STAGE AVASCULAR NECROSIS OF THE FEMORAL HEAD?**  
Onur HAPA, Huseyin OZKAN, Senol YILDIZ, Mustafa KURKLU, Yuksel YURTTAS, Ali SEHIRLIOGLU, Mustafa BASBOZKURT (TURKEY)
- 29224 NOVEL SURGICAL PROCEDURES IN AVASCULAR NECROSIS OF FEMORAL HEAD WITH COLLAPSE OF FEMORAL HEAD – PROSPECTIVE CONSECUTIVE SERIES WITH A 10-YEAR FOLLOW-UP PERIOD**  
Yoshihiro NAKAMURA, Etsuo CHOSA, Takero SAKAMOTO, Shinji WATANABE, Tomohisa SEKIMOTO, Hiroaki HAMADA, Shotaro NOZAKI, Hiroshi IKEJIRI, Itono KAI (JAPAN)
- 30132 EFFECTS OF EXTRACORPOREAL SHOCK WAVE THERAPY (ESWT) ON REFRACTORY TO CONSERVATIVE TREATMENT PATIENT WITH OSTEONECROSIS (ON) AND OSTEOARTHRITIS (OA) OF THE KNEE**  
Nong Kyoum AHN, Dong Won LEE, Kwang Am JUNG, Il Seok PARK (SOUTH KOREA)
- 29780 RARE CASE OF BILATERAL KNEE OSTEONECROSIS**  
Gellert SOHAR, Katalin GION, Laszlo MECS, Hristifor GALITY, Csaba GOMBAR, Kalman TOTH (HUNGARY)
- 28445 TREATMENT OF PAINFUL BONE MARROW EDEMA BY OPEN WEDGE OSTEOTOMY**  
Kaya MEMISOGLU, CUMHUR KESEMENLI, Sefa MUEZZINOGLU, Gur AKANSEL (TURKEY)
- 30180 SURGICAL HIP DISLOCATION APPROACH IS NONARTHROPLASTY SURGICAL OPTIONS IN FEMORAL-ACETABULAR IMPINGEMENT TREATMENT**  
Andrzej BEDNAREK, Andrzej ATRAS (POLAND)

15:30 - 16:00 *Coffee break*

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

**Pierre HOFFMEYER (Switzerland)**

**POLYTRAUMA: AN EVOLVING SPECTRUM**

Pierre HOFFMEYER (SWITZERLAND)

16:30 - 18:00 **Symposium**

***Ceská Společnost pro Ortopedii a Traumatologii (CSOT) - (Czech Society of Orthopaedics & Traumatology):***  
**Czech Orthopaedics & Traumatology**

*Moderators:*

Tomas TRC (CZECH REPUBLIC) & Oldrich CECH (CZECH REPUBLIC)

***History of Czech Orthopaedics and Traumatology***

**HISTORY OF ORTHOPAEDICS AND TRAUMATOLOGY IN CZECHOSLOVAKIA**

Tomas TRC, Oldrich CECH (CZECH REPUBLIC)

**PROFESSOR ZAHRADNICEK**

Antonin SOSNA (CZECH REPUBLIC)

**PROFESSOR FREJKA**

Pavel JANICEK (CZECH REPUBLIC)

**PROFESSOR PAWLIK**  
Petr GALLO (CZECH REPUBLIC)

**PROFESSOR CECH**  
Martin KRBEC (CZECH REPUBLIC)

*Treatment of Immature Hip Joints in the Czech Republic*

**HISTORY OF CDH MANAGEMENT IN CZECHOSLOVAKIA**  
Pavel DUNGL (CZECH REPUBLIC)

**CURRENT SUCCESSES IN TREATMENT OF CDH**  
Petr CHLADEK (CZECH REPUBLIC)

*Hip Arthroplasty in the Czech Republic*

**HISTORY OF HIP ARTHROPLASTY IN CZECHOSLOVAKIA**  
Tomas TRC (CZECH REPUBLIC)

**LONG-TERM OUTCOMES OF THR BEZNOSKA**  
Vojtech HAVLAS (CZECH REPUBLIC)

**30312 THE CZECH NATIONAL REGISTER OF JOINT REPLACEMENTS – STRUCTURE AND SELECTED OUTPUTS**  
Pavel VAVRIK, Ivan LANDOR (CZECH REPUBLIC)

*Knee Arthroplasty in the Czech Republic*

**HISTORY OF KNEE ARTHROPLASTY IN CZECHOSLOVAKIA**  
Antonin SOSNA (CZECH REPUBLIC)

**REMEMBRANCE OF THE FIRST CONDYLAR KNEE REPLACEMENT IN CZECHOSLOVAKIA**  
Vratislav RYBKA, Frantisek DENK, Jan HACH, Tomas KRUTA (CZECH REPUBLIC)

**DISCUSSION**

# Wednesday, 7 September

## Panorama Hall

08:00 - 09:30

### Symposium

#### Scoliosis Research Society (SRS): Juvenile Deformities, Growing Spine

*Moderator:*

Richard MCCARTHY (UNITED STATES)

#### **INTRODUCTION OF THE CONGRESS**

Ahmet ALANAY (TURKEY)

#### **SRS AND ITS MISSIONS**

Richard MCCARTHY (UNITED STATES)

#### **WHY IS FUSION NOT GOOD FOR GROWING SPINE AND HOW EFFICIENT ARE THE NON-OPERATIVE METHODS?**

Kamal IBRAHIM (UNITED STATES)

#### **GROWTH MODULATION TECHNIQUES**

Richard MCCARTHY (UNITED STATES)

#### **GROWTH STIMULATION TECHNIQUES**

George THOMPSON (UNITED STATES)

#### **WHEN IS FUSION UNAVOIDABLE?**

John DORMANS (UNITED STATES)

#### **COMPLICATIONS AND HOW TO AVOID THEM**

Cody BÜNGER (DENMARK)

#### **DISCUSSION**

09:30 - 10:00

*Coffee break*

10:00 - 10:30

Presidential Lecture (*in Forum Hall*)

#### **Cody BÜNGER (DENMARK)**

#### **GLOBAL CHALLENGES IN ORTHOPAEDICS: THE NEW ROLES OF SICOT**

Cody BÜNGER (DENMARK)

*with guest speaker, Dieter KOCH, Member of the European Parliament*

10:30 - 12:00

### Symposium

#### Scoliosis Research Society (SRS): Adolescent Idiopathic Scoliosis

*Moderator:*

George THOMPSON (UNITED STATES)

#### **EVIDENCE FOR BRACE TREATMENT**

Richard MCCARTHY (UNITED STATES)

**LENKE CLASSIFICATION AND SELECTION OF FUSION LEVELS**

Kamal IBRAHIM (UNITED STATES)

**EVIDENCE FOR ANTERIOR VS. POSTERIOR SURGERY**

Dietrich SCHLENZKA (FINLAND)

**EVIDENCE FOR HYBRID VS. PEDICLE SCREW SYSTEMS**

Rune HEDLUND (SWEDEN)

**SURGERY FOR NEGLECTED/REVISION CASES**

Azmi HAMZAOGLU (TURKEY)

**DISCUSSION**

**CASE DISCUSSIONS: IDIOPATHIC SCOLIOSIS**

12:00 - 14:00 *Lunch break*

14:00 - 15:30

**Symposium**

**Scoliosis Research Society (SRS):  
Adult Spine Deformity**

*Moderator:*

Keith LUK (HONG KONG)

**CLASSIFICATION, NATURAL HISTORY AND INDICATIONS FOR SURGERY**

Martin KRBEC (CZECH REPUBLIC)

**SELECTION OF FUSION LEVELS AND APPROACH**

Kamal IBRAHIM (UNITED STATES)

**ADULT DEGENERATIVE SCOLIOSIS WITH SPINAL STENOSIS. WHEN TO INSTRUMENT AND WHEN TO NOT? INDICATIONS AND EVIDENCE**

Norbert PASUTTI (FRANCE)

**OUTCOMES AND EVIDENCE**

Cody BÜNGER (DENMARK)

**EVALUATION AND MANAGEMENT OF SAGITTAL PLANE IN ADULT DEFORMITY**

Rune HEDLUND (SWEDEN)

**DISCUSSION**

**CASE DISCUSSIONS: ADULT DEFORMITY**

15:30 - 16:00 *Coffee break*

16:00 - 16:30

**Plenary Lecture (*in Forum Hall*)**

**Pierre HOFFMEYER (SWITZERLAND)**

**POLYTRAUMA: AN EVOLVING SPECTRUM**

Pierre HOFFMEYER (SWITZERLAND)

16:30 - 18:00

Symposium

**Scoliosis Research Society (SRS):  
Kyphosis & Spondylolisthesis**

*Moderator:*

Dietrich SCHLENZKA (FINLAND)

**SCHEUERMANN'S KYPHOSIS: NON-OPERATIVE TREATMENT? INDICATIONS AND EVIDENCE**

Richard CHALOUKKA (CZECH REPUBLIC)

**INDICATIONS FOR SURGERY, PRE-OP EVALUATION AND SELECTION OF FUSION LEVELS**

George THOMPSON (UNITED STATES)

**SPONDYLOLISTHESIS: CLASSIFICATION AND NATURAL HISTORY**

Martin REPKO (CZECH REPUBLIC)

**REPAIR VERSUS FUSION**

Kamal IBRAHIM (UNITED STATES)

**HIGH GRADE SLIPS**

Dietrich SCHLENZKA (FINLAND)

**DISCUSSION**

**CASE DISCUSSION**

# Wednesday, 7 September

## Terrace I

08:00 - 09:30

Instructional Course

### DVT Prevention in Orthopaedics

*Moderator:*

Tomas KVASNICKA (CZECH REPUBLIC)

#### **INTRODUCTION, COAGULATION MECHANISM**

Jan KVASNICKA (CZECH REPUBLIC)

#### **DVT IN ORTHOPAEDICS**

Tomas TRC (CZECH REPUBLIC)

#### **PREVENTION POSSIBILITIES**

Tomas KVASNICKA (CZECH REPUBLIC)

#### **COMPLICATION AND THERAPY**

Radovan KUBES (CZECH REPUBLIC)

#### **DISCUSSION – FAILURE, COMPLICATION**

09:30 - 10:00

*Coffee break*

10:00 - 10:30

Presidential Lecture *(in Forum Hall)*

### Cody BÜNGER (DENMARK)

#### **GLOBAL CHALLENGES IN ORTHOPAEDICS: THE NEW ROLES OF SICOT**

Cody BÜNGER (DENMARK)

*with guest speaker, Dieter KOCH, Member of the European Parliament*

10:30 - 12:00

### Symposium

European Federation of National Associations of Orthopaedic Sports Traumatology (EFOST):

Elbow & Hip Related Sports Injuries

*Moderators:*

François KELBERINE (FRANCE) & Bas PIJNENBURG (NETHERLANDS)

#### *Elbow*

#### **POSTEROLATERAL IMPINGEMENT**

Luigi PEDERZINI (ITALY)

#### **DISTAL BICEPS TENDON RUPTURE**

Gregor ADAMCZYK (POLAND)

#### **OSTEOCHONDRAL LESIONS**

Wojceh WIDUCHOWSKI (POLAND)

#### **EPICONDYLITIS**

Henrique JONES (PORTUGAL)

Wednesday, 7 September  
Terrace I

**CHRONIC INSTABILITY**

Bas PIJNENBURG (NETHERLANDS)

**Hip****FEMORO ACETABULAR IMPINGEMENT**

Gernot FELMET (GERMANY)

**ISOLATED LABRAL TEARS**

Murat DEMIREL (TURKEY)

**HIP INSTABILITY**

François KELBERINE (FRANCE)

**GROIN PAIN**

Henrique JONES (PORTUGAL)

12:00 - 14:00 **Industry Symposium****BIOMET:****Enhancing Fusion Through Design: Phoenix Ankle Arthrodesis Nail***Moderator:*

James RAMOS (UNITED KINGDOM)

**PHOENIX ANKLE DESIGN RATIONALE**

James RAMOS (UNITED KINGDOM)

**PRACTICAL WORKSHOP**

James RAMOS (UNITED KINGDOM)

**PRELIMINARY RESULTS**

James RAMOS (UNITED KINGDOM)

14:00 - 15:30 **Symposium****European Society of Sports Traumatology, Knee Surgery and Arthroscopy (ESSKA):  
Athlete's Ankle***Moderator:*

C. Niek VAN DIJK (NETHERLANDS)

**30306 ACUTE INSTABILITY IN THE ATHLETE'S ANKLE: CURRENT CONCEPTS ON DIAGNOSIS & TREATMENT**

C. Niek VAN DIJK (NETHERLANDS)

**SYNDESMOTIC AND MEDIAL INSTABILITY**

James CALDER (UNITED KINGDOM)

**30307 CHRONIC ANKLE INSTABILITY: CURRENT STATE OF THE ART**

C. Niek VAN DIJK (NETHERLANDS)

**ACHILLES TENDINOPATHY: CURRENT INSIGHTS IN MANAGEMENT**

Giuseppe LONGO (ITALY)

**ACHILLES TENDON RUPTURES: CURRENT STATE OF THE ART**

James CALDER (UNITED KINGDOM)



**ACHILLES TENDON RECONSTRUCTION AFTER FAILED PRIMARY TREATMENT**

Giuseppe LONGO (ITALY)

**OCD**

Milan HANDL (CZECH REPUBLIC)

15:30 - 16:00 *Coffee break*

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

**Pierre HOFFMEYER (SWITZERLAND)**

**POLYTRAUMA: AN EVOLVING SPECTRUM**

Pierre HOFFMEYER (SWITZERLAND)

16:30 - 18:00 **Symposium**

**European Society of Sports Traumatology, Knee Surgery and Arthroscopy (ESSKA):  
Hip Arthroscopy - Basic Concept, Current Indications & Future Perspective**

*Moderators:*

Jacques MENETREY (SWITZERLAND) & Nicolas BONIN (FRANCE)

**ARTHROSCOPIC ANATOMY AND PORTAL PLACEMENT**

Vikas KHANDUJA (UNITED KINGDOM)

**FAI: CONCEPT, PATHOLOGY AND TREATMENT OPTIONS**

Nicolas BONIN (FRANCE)

**LABRAL MANAGEMENT: DEBRIDEMENT OR REPAIR**

Filippo RANDELLI (ITALY)

**CHONDRAL LESIONS: WHAT CAN I DO?**

Hassan SADRI (SWITZERLAND)

**THE INTERNAL AND EXTERNAL SNAPPING HIP**

Filippo RANDELLI (ITALY)

**ARTHROSCOPY AND TOTAL HIP ARTHROPLASTY**

Hassan SADRI (SWITZERLAND)

**30443 ARTHROSCOPY AND HIP TRAUMATOLOGY**

Raul ZINI, M. PANASCI (ITALY)

**FUTURE PERSPECTIVE?**

Vikas KHANDUJA (UNITED KINGDOM)

**CONCLUSION = TRICKS AND PEARLS TO BRING HOME**

Jacques MENETREY<sup>1</sup>, Nicolas BONIN<sup>2</sup>

<sup>1</sup>(SWITZERLAND), <sup>2</sup>(FRANCE)

# Wednesday, 7 September

## Club A

08:00 - 09:30	<b>Instructional Course</b> <b>Basics of Modern Rheumatology</b> <i>Moderator:</i> Karel PAVELKA (CZECH REPUBLIC) <b>NEW CONCEPTS IN DIAGNOSTICS AND THERAPY OF SPONDYLARTHROSIS</b> Karel PAVELKA (CZECH REPUBLIC) <b>BIOLOGIC TREATMENT OF RHEUMATOID ARTHRITIS</b> Ladislav SENOLT (CZECH REPUBLIC) <b>ADVANCES IN DIAGNOSTIC AND THERAPY OF CONNECTIVE TISSUE DISEASES</b> Pavel HORAK (CZECH REPUBLIC) <b>NEW DEVELOPMENTS IN CLASSIFICATION AND THERAPY OF PSORIATIC ARTHRITIS</b> Jiri STOLFA (CZECH REPUBLIC) <b>PRINCIPLES OF THE DIAGNOSIS AND NEW MOLECULES IN THERAPY OF GOUTY ARTHRITIS</b> Jakub ZAVADA (CZECH REPUBLIC)
09:30 - 10:00	<i>Coffee break</i>
10:00 - 10:30	<b>Presidential Lecture (in Forum Hall)</b> <b>Cody BÜNGER (DENMARK)</b> <b>GLOBAL CHALLENGES IN ORTHOPAEDICS: THE NEW ROLES OF SICOT</b> Cody BÜNGER (DENMARK) <i>with guest speaker, Dieter KOCH, Member of the European Parliament</i>
10:30 - 12:00	<b>Lectures</b> <b>Free Papers</b> <b>Trauma - Elbow</b> <i>Moderators:</i> Baoguo JIANG (CHINA) & Frédéric SCHUIND (BELGIUM) <b>RADIAL HEAD ARTHROPLASTY</b> Frédéric SCHUIND (BELGIUM) <b>30275 TOTAL ELBOW REPLACEMENT TREATMENT FOR COMPLEX DISTAL HUMERUS FRACTURES</b> Baoguo JIANG (CHINA) <b>29437 THE CLINICAL RESULTS OF TOTAL ELBOW ARTHROPLASTY FOR AO TYPE C3 DISTAL HUMERAL FRACTURE IN ELDERLY</b> Hyun-Dae SHIN, Kyung Cheon KIM, Jun-Yeong PARK (SOUTH KOREA) <b>29047 IS INVASIVE K-PIN ESSENTIAL FOR THE USE OF ELBOW HINGED FIXATORS WITH ARTHRODIATASIS? – KINEMATIC ANALYSIS</b> Wei-Shiun LEE, Ching-Kong CHAO, Son-Jyh LIN, Kao-Shang SHIH (TAIWAN)

- 28697 **THE OPERATIVE TREATMENT USING TRANSOLECRANON APPROACH WITH DUAL LOCKING PLATE FOR UNSTABLE INTERCONDYLAR FRACTURES OF HUMERUS**  
Dong-Hwan KIM, Yong-Min KIM, Byung-Ki CHO (SOUTH KOREA)
- 28602 **ONE-STAGE RECONSTRUCTION THE STABILITY OF ELBOW WITH BILATERAL APPROACHES IN THE TREATMENT OF ELBOW TERRIBLE TRIAD**  
Ming XIANG (CHINA)
- 29395 **NERVE GRAFTING IN THE UPPER EXTREMITY**  
Georgios PAPADOPOULOS, Harilaos SAKELLARIDES (UNITED STATES)

12:00 - 14:00 Industry Symposium

**BIOMET:**

**Signature: Personalised Patient Care Surgeon Designed, Patient Matched**

*Moderator:*

William JACKSON (UNITED KINGDOM)

**WHAT IS SIGNATURE?**

William JACKSON (UNITED KINGDOM)

**SURGICAL TECHNIQUE**

William JACKSON (UNITED KINGDOM)

**CLINICAL RESULTS**

William JACKSON (UNITED KINGDOM)

*Signature is a collaborative partnership with Materialise N.V.*

14:00 - 15:30 Free Papers

**Elbow - Wrist**

*Moderators:*

Christian ALLENDE (ARGENTINA) & Dariush GOURAN SAVADKOOHI (IRAN)

- 29787 **MEDIUM TERM RESULTS (3-5 YEARS) OF A LATERAL RESURFACING ELBOW (LRE) ARTHROPLASTY IN ARTHRITIS**  
Joseph POOLEY<sup>1</sup>, Chrysi TSIOURI<sup>1</sup>, Alessandro GRECO<sup>2</sup>  
<sup>1</sup>(UNITED KINGDOM), <sup>2</sup>(ITALY)
- 29664 **V-OSTEOTOMY RESECTION ARTHROPLASTY FOR BONY ANKYLOSED ELBOWS – MIDTERM RESULTS**  
Rex CHANDRABOSE (INDIA)
- 29427 **THE CLINICAL USEFULNESS OF THE MINIMAL INVASIVE ULNO-HUMERAL ARTHROPLASTY IN MILD TO MODERATE ARTHRITIS PATIENTS IN ELBOW**  
Hyun-Dae SHIN, Kyung-Cheon KIM, Yoo-Sun JEON (SOUTH KOREA)
- 29838 **SHORT-TERM RESULT OF MRI EVALUATION IN COSTAL OSTEOCHONDRAL AUTOGRAFT FOR OSTEOCHONDRITIS DISSECANS OF THE HUMERAL CAPITELLUM**  
Hiroyuki TANAKA, Kozo SHIMADA, Ryosuke NOGUCHI (JAPAN)
- 28855 **A PROSPECTIVE STUDY OF STATIC WRIST EXTENSOR SPLINT FOR TREATMENT OF CHRONIC LATERAL EPICONDYLITIS**  
Naveen TAHASILDAR, Prasad SORAGANVI, Naresh SHETTY, Vijay GONI, B.K. SHASHIDHAR, Shakti VEL RAJAN (INDIA)

- 28392 A NEW CONCEPT IN THE TREATMENT OF BOTH BONE FOREARM FRACTURES IN ADULTS WITH INTRAMEDULLARY IMPLANTS**  
Wasudeo GADEGONE, Yogesh SALPHALE (INDIA)
- 28465 FUNCTIONAL OUTCOME OF NEGLECTED/UNREDUCED PERILUNATE DISLOCATIONS TREATED WITH OPEN REDUCTION AND INTERNAL FIXATION: OUR EXPERIENCE WITH FOURTEEN CASES**  
Sharad PRABHAKAR, Mandeep DHILLON, Kamal BALI (INDIA)
- 28130 CARPUS FRACTURES-DISLOCATIONS: SURGICAL TREATMENT, RADIOLOGIC AND FUNCTIONAL OUTCOMES**  
Christian ALLENDE, Julio BAGLIARDELLI, Pablo BRUNO, Damian BUSTOS (ARGENTINA)
- 28205 SURGICAL TREATMENT OF BENNETT'S FRACTURE TYPES WITH VARIOUS OSTEOSYNTHETIC MATERIALS**  
Roman PAVIC, Mario MALOVIC (CROATIA)

15:30 - 16:00 *Coffee break*

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

**Pierre HOFFMEYER (SWITZERLAND)**

**POLYTRAUMA: AN EVOLVING SPECTRUM**  
Pierre HOFFMEYER (SWITZERLAND)

16:30 - 18:00 **Symposium**

**European Federation of National Associations of Orthopaedics and Traumatology (EFORT):  
European Arthroplasty Register**

*Moderators:*

Nikolaus BÖHLER (AUSTRIA) & Gerold LABEK (AUSTRIA)

**QUALITY OF OUTCOME DATA IN SAMPLE-BASED CLINICAL STUDIES PUBLISHED IN MEDLINE-LISTED JOURNALS**

Gerold LABEK (AUSTRIA)

**OUTCOME DATA PUBLISHED IN ORTHOPAEDIC JOURNALS AND CLINICAL STUDIES PUBLISHED ON UNDERPERFORMERS IN REGISTERS**

Reinhard SCHUH (AUSTRIA)

**RELEVANCE OF STANDARDIZED IMPLANT TRACKING ON SCIENTIFIC EVALUATIONS**

Joachim HASSENPFUG (GERMANY)

**EVOLUTION OF THE BEARINGS AND FIXATIONS IN SLOVAKIAN ARTHROPLASTY REGISTER ANALYSES**

Libor NECAS (SLOVAKIA)

**LATEST EVALUATIONS FROM THE ENGLISH NATIONAL JOINT REGISTRY**

Martyn PORTER (UNITED KINGDOM)

**INPUT OF EAR ON REGISTER ACTIVITIES IN EUROPE**

Nikolaus BÖHLER (AUSTRIA)

**DISCUSSION**

# Wednesday, 7 September

## Club B

08:00 - 09:30

Free Papers

### Foot & Ankle - Hallux Valgus

*Moderators:*

Erdal CILA (TURKEY) & Brett COURTENAY (AUSTRALIA)

- 29107 RESULTS OF TREATMENT OF HALLUX RIGIDUS WITH HEMIARTHROPLASTY**  
Miltiadis AVRAMIDIS, Michail BOZOGLOU, Christos LYRTZIS, Christos KRYSTALLIS (GREECE)
- 27283 OUTCOMES FOLLOWING CHEILECTOMY FOR HALLUX RIGIDUS**  
Sivaraman BALASUBRAMANIAM, Devendra MAHADEVAN, Melwyn PEREIRA (UNITED KINGDOM)
- 28577 DO WEIGHTBEARING FILMS EFFECT DECISION MAKING IN HALLUX VALGUS SURGERY?**  
Israel DUDKIEWICZ, Alon BURG, Ori HADASH, Yehezkel TYTIUN, Moshe SALAI (ISRAEL)
- 29335 THE CHEVRON OSTEOTOMY WITH LATERAL SOFT TISSUE RELEASE FOR HALLUX VALGUS SURGERY IN THE ELDERLY – A PROSPECTIVE STUDY IN 80 FEET**  
Stefan HOFSTÄTTER, Reinhard SCHUH, Klemens TRIEB, Hans-Jörg TRNKA (AUSTRIA)
- 29444 SLING PROCEDURE FOR HALLUX VALGUS**  
Evguenni MIKHNOVICH, Alexander MARTINOVICH, Alexander VOLOTOVSKI (BELARUS)
- 27731 CROSSED-SCREW TECHNIQUE OF HALLUX METATARSO-PHALANGEAL JOINT ARTHRODESIS -SCREW TECHNIQUE: SURGICAL RESULTS AND FUNCTIONAL OUTCOMES**  
Wail Awad Elkarim Mohammed AHMED, Riazuddin MOHAMMED, Anirudh GADGIL (UNITED KINGDOM)
- 30061 PROXIMAL CLOSING WEDGE OSTEOTOMY OF FIRST METATARSAL BONE IN HALLUX VALGUS**  
Adrian BADILA, Radu RADULESCU, Octavian NUTIU, Robert MANOLESCU, Cristian NITA, Ionut JAPIE, Traian CIOBANU, Alexandru PAPUC, Dragos RADULESCU, Boris FEGHIU (ROMANIA)
- 28520 STABILIZATION OF THE CHEVRON PROCEDURE FOR HALLUX VALGUS DEFORMITY WITH A CAPSULOPERIOSTEAL FLAP. LONG-TERM FOLLOW-UP RESULTS FOR 88 FEET OF 59 PATIENTS**  
Berk GUCLU, Alper KAYA, Burak AKAN, Murat KOKEN, Ali Kemal US (TURKEY)
- 28409 DIAGNOSIS AND TREATMENT FOR TENOSYNOVITIS OF THE FLEXOR HALLUCIS LONGUS TENDON: APPLICATION OF HINDFOOT ENDOSCOPY**  
Ken INNAMI, Masato TAKAO, Fumito KOMATSU, Wataru MIYAMOTO, Takashi MATSUSITA (JAPAN)

09:30 - 10:00

*Coffee break*

10:00 - 10:30

Presidential Lecture (*in Forum Hall*)

**Cody BÜNGER (DENMARK)**

**GLOBAL CHALLENGES IN ORTHOPAEDICS: THE NEW ROLES OF SICOT**

Cody BÜNGER (DENMARK)

*with guest speaker, Dieter KOCH, Member of the European Parliament*

10:30 - 12:00

Free Papers

Foot & Ankle - Miscellaneous I

*Moderators:*

Eiji ITOI (JAPAN) & Ashok JOHARI (INDIA)

- 29486 FOOT & ANKLE INJURIES IN ELITE PROFESSIONAL FOOTBALLERS: EVALUATING THE RISK INVOLVED**  
Neil JAIN, David MURRAY, Steve KEMP, Tony MCEVOY (UNITED KINGDOM)
- 29074 TIBIOFIBULAR SHIFTING AFTER SYDESMOTIC SCREWS – NEW RESULTS FROM A PROSPECTIVE STUDY**  
Annette AHRBERG, Chritoph JOSTEN (GERMANY)
- 29964 FIXATION OF DISTAL TIBIOFIBULAR SYNDESMOSIS: A COMPARATIVE STUDY BETWEEN TIGHTROPE AND SCREW FIXATION**  
Gohar NAQVI, Nasir AWAN (IRELAND)
- 28593 ANKLE SYNOVIAL CHONDROMATOSIS: MANAGEMENT ENIGMA**  
Saurabh SINGH (INDIA)
- 27758 TRIPLE FUSION AND ILIZAROV GRADUAL CORRECTION FOR STIFF ADULT PES-PLANO VALGUS**  
Hisham SHALABY (UNITED KINGDOM)
- 29193 CALCaneo-STOP FOR TREATMENT OF FLEXIBLE PES PLANOVALGUS IN CHILDREN**  
Vera RESENDE, M. GOMES, Nuno TAVARES, António TORRES, Artur NETO, José BESSA DA SILVA (PORTUGAL)
- 29439 MINIMUM INVASIVE DYNAMIC SURGICAL CORRECTION OF PLANOVALGUS DEFORMITY IN YOUNG PATIENTS**  
Vladimir LASHKOVSKI, Alexander BELETSKY (BELARUS)
- 27757 MANAGEMENT OF THE STIFF EQUINO-CAVO-VARUS DEFORMITY WITH THE V-OSTEOTOMY AND THE ILIZAROV FRAME**  
Hisham SHALABY (UNITED KINGDOM)
- 29571 OSTEOCHONDRAL LESIONS OF THE TALUS WITH LARGE SUBCHONDRAL CYST TREATED BY AUTOLOGOUS OSTEO-PERIOSTEAL GRAFT TRANSPLANTATION**  
Qinwei GUO, Yuelin HU (CHINA)
- 28564 LOCAL TOURNIQUET PAIN CONTROL IN FOREFOOT SURGERY: A RANDOMIZED STUDY**  
Alon BURG, Yehezkel TYTIUN, Stiven VELKES, Barak HAVIV, Snir HELLER, Israel DUDKIEWICZ (ISRAEL)

12:00 - 14:00

*Lunch break*

14:00 - 15:30

Free Papers

Foot & Ankle - Miscellaneous II

*Moderators:*

Thamer HAMDAN (IRAQ) & Stefan HOFSTÄTTER (AUSTRIA)

- 28090 RADIOLOGIC CHANGE OF ANKLE JOINT AFTER TOTAL KNEE ARTHROPLASTY**  
Bi O JEONG, Dong Beom HEO (SOUTH KOREA)
- 27534 TREATMENT OF CONGENITAL AND ACQUIRED FOOT DEFORMITIES WITH EXTERNAL FIXATION**  
Ghassan SALAMEH<sup>1</sup>, Michael SCHMIDT<sup>2</sup>  
<sup>1</sup>(SYRIA), <sup>2</sup>(GERMANY)

- 28793 APPLICATION OF ILIZAROV APPARATUS FOR OPERATIVE TREATMENT OF PATIENTS WITH POSTTRAUMATIC FOOT DEFORMITIES**  
Andrey NERETIN, Gennady IVANOV (RUSSIA)
- 28765 ADDITIVE CORRECTIVE TRIPLE ARTHRODESIS WITH ALLOGENIC BONE GRAFTING THROUGH A SINGLE LATERAL INCISION**  
Gareth TURNBULL, Jonathan COWIE, Nicholas OHLY, Steffen BREUSCH (UNITED KINGDOM)
- 29337 BIOTENODESIS SCREW FOR FIXATION OF FDL TRANSFER IN THE TREATMENT OF ADULT ACQUIRED FLATFOOT DEFORMITY – AN INNOVATIVE AND PROMISING TENDON FIXATION**  
Stefan HOFSTÄTTER, Christoph CHARWAT, Gerald PASS, Rudolf PUCHNER, Klemens TRIEB (AUSTRIA)
- 27282 EFFICACY OF STEROID INJECTIONS IN TREATING MORTON'S NEUROMA**  
Sivaraman BALASUBRAMANIAM, Devendra MAHADEVAN, Melwyn PEREIRA (UNITED KINGDOM)
- 29609 HISTOPATHOLOGICAL CONSIDERATION FOR THE PERONEAL SPASM IN TARSAL COALITION**  
Tsukasa KUMAI, Ichiro HIGASHIYAMA, Yasushi SHINOHARA, Yasuhito TANAKA, Yoshinori TAKAKURA (JAPAN)
- 28965 PLANTAR PRESSURE DURING WALKING IN SUBJECTS AFTER SURGICAL REPAIR OF ACHILLES TENDON RUPTURES**  
Jun SASAHARA, Masato TAKAO, Tsutomu KURATA, Yasuko HIROTA, Atsushi KOGUCHI, Yasuhito SAMEJIMA, Kenji OGURO, Takashi MATSUSHITA (JAPAN)
- 29407 INFLUENCE OF LATERALLY WEDGED FOOT ORTHOSES ON PLANTAR LOAD DISTRIBUTION: A COMPARISON STUDY**  
David ZACHHUBER, Stefan HOFSTÄTTER, Klemens TRIEB (AUSTRIA)
- 28370 TREATMENT OF THE FLEXIBLE FLATFOOT IN CHILDREN WITH THE MODIFIED CALCANEAL STOP METHOD WITH BONESTAR® IMPLANT**  
Sandor ROTH (CROATIA)

15:30 - 16:00 *Coffee break*

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

**Pierre HOFFMEYER (SWITZERLAND)**

**POLYTRAUMA: AN EVOLVING SPECTRUM**

Pierre HOFFMEYER (SWITZERLAND)

16:30 - 18:00 **Free Papers**

**Trauma - Foot**

*Moderators:*

Gamal Ahmed HOSNY (EGYPT) & Ludek ZMOLIK (CZECH REPUBLIC)

**27709 A SURVEY ON ANKLE FRACTURES AS BASIS FOR IMPROVING SERVICE EFFICIENCY**

Steven KAHANE, Devendra MAHADEVAN, Djalil BAIYOU (UNITED KINGDOM)

**28282 FUNCTIONAL OUTCOME AFTER LOCKING PLATE FIXATION FOR DISPLACED INTRA-ARTICULAR FRACTURES OF CALCANEUM**

Prabhat Kumar SINGH, Mrinal SHARMA, Yatinder KHARBANDA (INDIA)

**29106 PERCUTANEOUS FIXATION OF DISPLACED INTRAARTICULAR CALCANEUM FRACTURES – THE NEW WAY?**

Vivek TRIKHA (INDIA)

- 29380 MANAGEMENT OF HIGH ENERGY CALCANEAL FRACTURES AND HINDFOOT INJURIES IN THE MILITARY POPULATION**  
John DABIS, Karanjit MANGAT, Al MOUNTAIN, Seyed ALI (UNITED KINGDOM)
- 27109 INTRA-ARTICULAR JOINT DEPRESSED CALCANEUM FRACTURES TREATED BY PLATING – A STUDY OF 30 CASES BY ONLY LATERAL APPROACH**  
Shreenath KULKARNI, Sunil KULKARNI, Govind KULKARNI, Milind KULKARNI, Ruta KULKARNI (INDIA)
- 28747 DISPLACED INTRA-ARTICULAR FRACTURES OF THE CALCANEUS IN ADULT PATIENTS: IS IT WORTH TO OPERATE?**  
Andrey VOLNA, Edgar MATTIS, Nikolay ZAGORODNIY, Timofey LANTUKH, Vladimir DIRIN, Michael PANIN (RUSSIA)
- 28958 ARE FOOT INJURIES NEGLECTED EVEN TODAY? A ONE-YEAR PROSPECTIVE STUDY**  
Manuj JAIN, Mandeep DHILLON, Rajendra KANOJIA (INDIA)
- 29242 MINIMALLY INVASIVE TECHNIQUE FOR CLOSED REDUCTION AND FIXATION OF THE TARSOMETATARSAL JOINT COMPLEX (LISFRANC) INJURIES**  
Saleh ALHARBY (SAUDI ARABIA)



# Wednesday, 7 September

## Club C

08:00 - 09:30

Free Papers

### Biomaterials

*Moderators:*

Milan HANDL (CZECH REPUBLIC) & Kelvin YEUNG (HONG KONG)

- 28651 USE OF BIPHASIC CALCIUM PHOSPHATE CERAMIC AS BONE GRAFT SUBSTITUTES**  
Kanniraj MARIMUTHU, Anil KUMAR, Mahesh Chand BANSAL, Chandra Sekhar SHARMA, Rakesh BHARGAVA, Sushil Subash RANGDAL (INDIA)
- 30215 HYDROXYAPATITE BIOACTIVE GLASS CERAMIC COMPOSITE (CHITRA-HABG) FOR ILIAC CREST RECONSTRUCTION**  
Narayana ACHARYA, Venugopal MENON, Renjit KUMAR, Harikrishna VARMA (INDIA)
- 28227 THE ROLE OF COMPOSITE BONE GRAFT IN PLACE OF AUTOGRAFTS IN BRIDGING BONE DEFECTS**  
Tanveer Singh BHUTANI, Samar BISWAS (INDIA)
- 28853 EVALUATION OF BIODEGRADABLE IMPLANTS FOR FIXATION OF INTRA-ARTICULAR ELBOW FRACTURES IN CHILDREN: A RECENT EXPERIENCE IN 32 PATIENTS WITH TWO-YEAR MINIMUM FOLLOW-UP**  
Sushil RANGDAL, Narendra JOSHI, Vikas BACCHAL, Uttam SAINI, Daljit SINGH, Mandeep Singh DHILLON (INDIA)
- 27656 NOVEL ELASTIC TITANIUM FILLER FOR OSTEO-CHONDRAL DEFECT**  
Chiaki HAMANISHI, Ichiro TSUKAMOTO, Akira SHIBATA (JAPAN)
- 29958 A NOVEL POLYCARBONATE-URETHANE MENISCAL IMPLANT: A FUNCTIONAL EVALUATION OF SIZING**  
Ron ARBEL<sup>1</sup>, Jonathan ELSNER<sup>1</sup>, Vincenzo CONDELLO<sup>2</sup>, Claudio ZORZI<sup>2</sup>, Elliott HERSHMAN<sup>3</sup>, Avi SHTERLING<sup>1</sup>, Eran LINDER-GANZ<sup>1</sup>  
<sup>1</sup>(ISRAEL), <sup>2</sup>(ITALY), <sup>3</sup>(UNITED STATES)
- 28917 LONG-TERM CLINICAL AND RADIOLOGICAL FOLLOW-UP OF COLLAGEN MENISCAL IMPLANTS**  
Thomas TAMPERE, Peter VERDONK, Jaap VAN DER MAAS, Fredrik ALMQVIST, Verdonk RENE (BELGIUM)
- 28106 BIOFUNCTIONALITY ENHANCEMENT OF POLYETHERETHERKETONE (PEEK) BY PLASMA SURFACE TREATMENT**  
Kelvin YEUNG, S.C. LUI, Paul CHU, Keith LUK, Kenneth CHEUNG (HONG KONG)

09:30 - 10:00

*Coffee break*

10:00 - 10:30

Presidential Lecture (*in Forum Hall*)

### Cody BÜNGER (DENMARK)

**GLOBAL CHALLENGES IN ORTHOPAEDICS: THE NEW ROLES OF SICOT**

Cody BÜNGER (DENMARK)

*with guest speaker, Dieter KOCH, Member of the European Parliament*

10:30 - 12:00

Free Papers

Research - Clinical II

*Moderators:*

Jean-Yves JENNY (FRANCE) & Keith Dip-Kei LUK (HONG KONG)

- 30214 DO WE NEED RADIOLOGICAL GUIDANCE FOR INTRA ARTICULAR HIP INJECTIONS?**  
Jagwant SINGH, Simran MARWAH, Dina Ki TANNOUS, Gareth WELLS, Raghu RAMAN, Hemant SHARMA (UNITED KINGDOM)
- 28630 EFFECT OF FEMOROACETABULAR IMPINGEMENT AND OFFSET DECREASE ON GAIT PATTERN IN THE FOLLOW UP AFTER SLIPPED CAPITAL FEMORAL EPIPHYSIS**  
Ruediger KRAUSPE, Christoph ZILKENS, Dietmar ROSENTHAL, Sarah PEZARO, Marcus JÄGER, Bernd BITTERSohl, Bettina WESTHOFF (GERMANY)
- 28162 INTRA-OPERATIVE REGISTRATION OF THE KNEE KINEMATIC DURING TOTAL KNEE REPLACEMENT**  
Jean-Yves JENNY, Lionel WASSER (FRANCE)
- 28203 PRESENCE AND LOCATION OF OSTEOPHYTE FORMATION ON MAGNETIC RESONANCE IMAGING IN EARLY STAGE OF KNEE OSTEOARTHRITIS – DATA FROM THE OSTEOARTHRITIS INITIATIVE (OAI)**  
Masahiko SAITO, Takahisa SASHO, Sathoshi YAMAGUCHI, Naoshi IKEGAWA, Ryuichirou AKAGI, Yuuta MURAMATSU, Shunsuke MUKOUYAMA (JAPAN)
- 28919 LONG-TERM CLINICAL AND RADIOLOGICAL FOLLOW-UP OF VIABLE MENISCAL ALLOGRAFTS**  
Thomas TAMPERE, Peter VERDONK, Jaap VAN DER MAAS, Fredrik ALMQVIST, Rene VERDONK (BELGIUM)
- 29328 DYNAMIC QUANTIFICATION OF FEMORO-TIBIAL ROTATION IN POSTEROLATERAL BUNDLE INSUFFICIENCY: A CADAVER STUDY**  
Philipp AHRENS, Stephan LORENZ, Stefan HINTERWIMMER, Andreas IMHOFF, Chlodwig KIRCHHOFF (GERMANY)
- 30224 THE ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION WITH THE PERONEUS LONGUS TENDON: A CLINICAL STUDY WITH THE DONOR SITE MORBIDITY ASSESSMENT AT THE FOOT AND ANKLE**  
Chayanin ANGTHONG, Bancha CHERNCHUJIT (THAILAND)
- 29535 THE EFFECT OF INTACT FIBULA IN DIAPHYSEAL TIBIA FRACTURES FIXED WITH INTRAMEDULLARY NAILS UNDER DIFFERENT LOCKING CONDITIONS – A CADAVERIC STUDY**  
John GALBRAITH, Hannah DAILEY, Charles DALY, Michael CRONIN, James HARTY (IRELAND)
- 28959 PATHOGENIC LEVEL ESTIMATION OF CERVICAL MYELOPATHY BASED ON DIFFUSION TENSOR IMAGING**  
Keith D.K. LUK, Jiao Long CUI, Chun Yi WEN, Yong HU (HONG KONG)

12:00 - 12:30

*Lunch break*

12:30 - 13:30

General Assembly of SICOT Members

13:30 - 14:00

*Lunch break*

14:00 - 15:30

Symposium

Hip Arthroscopy

*Moderator:*

Vikas KHANDUJA (UNITED KINGDOM)

**HISTORY OF ARTHROSCOPIC SURGERY OF THE HIP**

Richard FIELD (UNITED KINGDOM)

**GAINING ACCESS TO THE CENTRAL AND PERIPHERAL COMPARTMENTS OF THE HIP**

Vikas KHANDUJA (UNITED KINGDOM)

**ARTHROSCOPIC ANATOMY OF THE HIP JOINT**

Tom LUDVIGSEN (NORWAY)

**INDICATIONS FOR ARTHROSCOPIC SURGERY OF THE HIP**

Tony ANDRADE (UNITED KINGDOM)

**PATHOANATOMY AND ARTHROSCOPIC MANAGEMENT OF FEMOROACETABULAR IMPINGEMENT**

Michael LEUNIG (SWITZERLAND)

**ARTHROSCOPIC MANAGEMENT OF ARTICULAR CARTILAGE LESIONS IN THE HIP**

Andrea FONTANA (ITALY)

**EXTRA-ARTICULAR HIP ENDOSCOPY**

Emmanuel AUDENAERT (BELGIUM)

**ARTHROSCOPIC MANAGEMENT OF INSTABILITY OF THE HIP**

Ernest SCHILDERS (UNITED KINGDOM)

**LEARNING CURVE FOR ARTHROSCOPIC SURGERY OF THE HIP**

Fares HADDAD (UNITED KINGDOM)

**REHABILITATION FOLLOWING ARTHROSCOPIC SURGERY OF THE HIP**

Richard FIELD (UNITED KINGDOM)

**COMPLICATIONS FOLLOWING ARTHROSCOPIC SURGERY OF THE HIP**

Athanasios PAPAVALIOU (GREECE)

**DISCUSSION**

Vikas KHANDUJA (UNITED KINGDOM)

15:30 - 16:00

*Coffee break*

16:00 - 16:30

Plenary Lecture (*in Forum Hall*)

**Pierre HOFFMEYER (SWITZERLAND)**

**POLYTRAUMA: AN EVOLVING SPECTRUM**

Pierre HOFFMEYER (SWITZERLAND)

## Research - Cells

*Moderators:*

Petr KOS (CZECH REPUBLIC) &amp; Ulrich NÖTH (GERMANY)

- 29987 A STUDY ON OBSERVATIONS OF IRAK-M IN MACROPHAGES AROUND PROSTHESIS WITH ASEPTIC AND SEPTIC LOOSENING AFTER JOINT ARTHROPLASTY**  
Puyi SHENG, Yangchun ZHANG (CHINA)
- 28148 DOES DYNAMIC BLUNT IMPACT TESTING, HISTOPATHOLOGY AND VISUAL MACROSCOPIC ASSESSMENT CORRELATE IN HUMAN OSTEOARTHRITIC CARTILAGE?**  
Petr KOS<sup>1</sup>, Ferdinand VARGA<sup>1</sup>, Milan HANDL<sup>1</sup>, Jakub KAUTZNER<sup>1</sup>, Vaclav CHUDACEK<sup>1</sup>, Milan DRZIK<sup>2</sup>, Ctibor POVYSIL<sup>1</sup>, Tomas TRC<sup>1</sup>, Evzen AMLER<sup>1</sup>  
<sup>1</sup>(CZECH REPUBLIC), <sup>2</sup>(SLOVAKIA)
- 29460 CHONDROGENIC POTENTIAL OF HUMAN BONE MARROW AND ADIPOSE TISSUE DERIVED MESENCHYMAL STEM CELLS**  
Vojtech HAVLAS, Tomas TRC, Petr LESNY, Pavla JENDELOVA, Eva SYKOVA (CZECH REPUBLIC)
- 29643 EXPRESSION OF VASCULAR ENDOTHELIAL GROWTH FACTOR AND MATRIX METALLOPROTEINASE-1 IN BONE SARCOMAS**  
Shishir RASTOGI, Ramakant KUMAR, Shah KHAN, Himanshu GUPTA, Ravi MITTAL (INDIA)
- 29379 USE OF AUTOLOGICAL MESENCHYMAL STEM CELLS (MSC), AUTOLOGICAL FIBROBLASTS AND AUTOLOGICAL PLASMA RICH IN GROWTH FACTORS (PGRF) AT TREATMENT OF DEGENERATIVE DAMAGES OF TENDONS (EXPERIMENTAL RESEARCH)**  
Oleksandr KOSTRUB, Roman BLONSKYI, Ivan ZASADNYUK, Volodymyr ZAETS (UKRAINE)
- 29084 INTRALESIONAL AUTOLOGOUS BONE MARROW STEM CELL INJECTION IN AVASCULAR NECROSIS OF FEMORAL HEAD AND EVALUATION OF OUTCOME USING MRI, PET SCAN AND BONE SCAN – A PRELIMINARY STUDY**  
Shishir RASTOGI, Sukesh Rao SANKINEANI, H.L. NAG (INDIA)
- 28901 TREATMENT OF OSTEONECROSIS OF THE FEMORAL HEAD WITH A STEM CELL LOADED SCAFFOLD IN A SHEEP MODEL**  
Roberto VÉLEZ (SPAIN)
- 29243 THE OPPORTUNITIES OF REPARATIVE AND DISTRACTION OSTEOGENESIS OPTIMIZATION IN AUTOLOGOUS MESENCHYMAL STEM CELLS TRANSPLANTATION – THE ANALYSIS AT 5 YEARS FOLLOW-UP PERIOD**  
Elena A. SHCHEPKINA, Leonid N. SOLOMIN, Andrei J. ZARITSKY, Dmitiy G. POLYNTZEV, Rashid M. TIKHILOV (RUSSIA)
- 29326 RESVERATROL SUPPRESSES MMP-1, -3, AND -9 PRODUCTIONS AS WELL AS RANKL EXPRESSION IN RHEUMATOID ARTHRITIS (RA) FLS SUPERNATANT**  
Margherita BREISACH, Mathias GLEHR, Birgit LOHBERGER, Sonja WALZER, Beate RINNER, Alexander AVIAN, Reinhard WINDHAGER, Andreas LEITHNER (AUSTRIA)

# Wednesday, 7 September

## Club D

08:00 - 09:30

Free Papers

Hand - Scaphoid & Wrist

*Moderators:*

Ian LESLIE (UNITED KINGDOM) & Frédéric SCHUIND (BELGIUM)

- 29013 COMPARISON OF THE POSTOPERATIVE COSTS OF VOLAR LOCKING PLATE AND K-WIRE FIXATION OF ISOLATED DISTAL RADIUS FRACTURE IN ADULTS**  
Andy RIDDICK, Ben HICKEY (UNITED KINGDOM)
- 26986 FACTORS PREDICTING LATE COLLAPSE OF FRACTURES OF THE DISTAL RADIAL**  
Neritan MYDERRIZI (ALBANIA)
- 29414 ULNA SHORTENING**  
Rajesh KAKWANI<sup>1</sup>, Lisa TOURRET<sup>2</sup>, Alan STIRRAT<sup>2</sup>, Les IRWIN<sup>2</sup>  
<sup>1</sup>(UNITED STATES), <sup>2</sup>(UNITED KINGDOM)
- 29623 EARLY RESULTS OF A RECENTLY INTRODUCED IMPLANT FOR SCAPHOID FRACTURE FIXATION: 3.0 HEADLESS COMPRESSION SCREW**  
Kiran SINGISETTI, Alan MIDDLETON (UNITED KINGDOM)
- 29262 SHORT-TERM OUTCOMES OF TRAPEZIECTOMY VERSUS PYROCARBON INTERPOSITION IMPLANT (PI2) ARTHROPLASTY FOR THUMB CARPALMETACARPAL OSTEOARTHRITIS – PRELIMINARY RESULTS**  
Prithee JETTOO, M. MARU, L. TOURRET, L. IRWIN, M. JONES (UNITED KINGDOM)
- 28255 PROSPECTIVE COHORT STUDY OF 50 TRAPEZIOMETACARPAL JOINT REPLACEMENTS WITH THE ROSELAND PROSTHESIS AFTER VITAMIN C PROPHYLAXIS**  
Paul ZOLLINGER, Wim TUINEBREIJER, Maarten ELLIS, Halil UNAL (NETHERLANDS)
- 28932 A BIOMECHANICAL STUDY ON VARIATION OF COMPRESSIVE FORCE ALONG THE ACUTRAK 2 SCREW**  
Hari KOVILAZHIKATHU SUGATHAN, Max KILPATRICK, Tom JOYCE, John HARRISON (UNITED KINGDOM)
- 27945 MEDIOCARPAL ARTHRODESIS BY SCREWS ALLOWING EARLY FUNCTIONAL TREATMENT**  
Werner KNOPP, Mascha LANG (GERMANY)
- 29945 METHODS FOR CORRECTING THE LENGTH OF FINGERS**  
Vladimir ZAVARUKHIN, Alexey BAINURASHVILI, Sergey GOLYANA, Anton GOVOROV (RUSSIA)

09:30 - 10:00

*Coffee break*

10:00 - 10:30

Presidential Lecture (*in Forum Hall*)

**Cody BÜNGER (DENMARK)**

**GLOBAL CHALLENGES IN ORTHOPAEDICS: THE NEW ROLES OF SICOT**

Cody BÜNGER (DENMARK)

*with guest speaker, Dieter KOCH, Member of the European Parliament*

10:30 - 12:00

Free Papers

Trauma - Distal Radius

*Moderators:*

Werner KNOPP (GERMANY) & Frankie LEUNG (HONG KONG)

- 28346** **EARLY RESULTS OF A VARIABLE-ANGLE VOLAR LOCKING PLATE FOR DISTAL RADIUS FRACTURES: A BI-CENTRE STUDY**  
Nikolas JAGODZINSKI, Talvinder SINGH, Rory NORRIS, Jonathan JONES, Dominic POWER (UNITED KINGDOM)
- 28331** **ROLE OF INJECTABLE BONE GRAFT SUBSTITUTE IN FUNCTIONAL OUTCOME OF DISTAL RADIUS FRACTURES**  
Sumit BATRA, Somen AGRAWAL, Vinod SHARMA (INDIA)
- 28309** **CLINICAL PROGRESSION OF PATIENTS IN THE FIRST YEAR TREATED WITH VOLAR LOCKING PLATE FIXATION**  
Santosh BALIGA, Alan JOHNSTONE, Carol CARNEGIE (UNITED KINGDOM)
- 29726** **OPERATIVE TREATMENT OF 23A3, 23C FRACTURES WITH A VOLAR LOCKING PLATE – RESULTS AFTER THREE YEARS**  
Mihail RASHKOV, Dian ENCHEV, Nikolay TIVCHEV (BULGARIA)
- 29121** **TREATMENT OF COMMINUTED INTRAARTICULAR FRACTURES OF THE DISTAL END RADIUS BY HINGED EXTERNAL FIXATOR**  
Waleed ARAFAT, Nehad EL MAHBOUB (EGYPT)
- 28726** **PRELIMINARY PROSPECTIVE REVIEW OF PATIENTS WITH DISTAL RADIAL VOLAR DISPLACED FRACTURE TREATMENT WITH A MINI-OPEN TECHNIQUE**  
Sanjib Kumar BEHERA, Satyanarayana S. DASARI, Ramesh Reddy BHEEMIDI (INDIA)
- 28448** **PERCUTANEOUS KIRSCHNER WIRES VERSUS LOCKED VOLAR PLATING IN UNSTABLE EXTRA-ARTICULAR DISTAL RADIUS FRACTURES**  
Christian ALLENDE, Ezequiel CATA (ARGENTINA)
- 27816** **EVALUATION AND COMPARISON OF RADIOLOGICAL AND FUNCTIONAL OUTCOME IN EXTRA-ARTICULAR FRACTURES OF LOWER END RADIUS TREATED CONSERVATIVELY WITH RESPECT TO ITS POSITION OF IMMOBILIZATION**  
Saurabh JAIN (INDIA)
- 29543** **OUTCOME ASSESSMENT FOLLOWING DISTAL RADIUS FRACTURES**  
Frankie LEUNG, Grace YUEN, Tak Wing LAU (HONG KONG)

12:00 - 14:00

*Lunch break*

14:00 - 15:30

Free Papers

Hand - Soft Tissues

*Moderators:*

Patrick HAENTJENS (BELGIUM) & Georgios PAPAPOPOULOS (GREECE)

- 28307** **DO OLDER PATIENTS BENEFIT FROM VOLAR LOCKING PLATE FIXATION FOR DISTAL RADIUS FRACTURES?**  
Santosh BALIGA, Alan JOHNSTONE, Carol CARNEGIE (UNITED KINGDOM)
- 28439** **FUNCTIONAL OUTCOME OF ENDOSCOPIC RELEASE AMONG PATIENTS WITH CARPAL TUNNEL SYNDROME BETWEEN 2005 TO 2009**  
Joyce GARCIA (PHILIPPINES)

- 28274 A PROSPECTIVE AUDIT OF PATIENT SATISFACTION WITH THE COMPONENT PARTS OF CARPAL TUNNEL DECOMPRESSION**  
Amit BIDWAI, Harry BENJAMIN-LAING, Debbie SHAW, Tony JONES, Daniel BROWN (UNITED KINGDOM)
- 29950 ISOLATED TUBERCULOSIS TENOSYNOVITIS – A CASE SERIES**  
Gaurav SHARMA, Manish CHADHA (INDIA)
- 29138 FLEXOR SLIDE PROCEDURE AS TREATMENT OF SEVERE CONTRACTURE OF THE FLEXORS OF THE WRIST AND FINGERS IN TRAUMATIC HEMIPLEGIA**  
Georgios PAPADOPOULOS, Ioannis KANAKAKIS, Harilaos SAKELLARIDES (GREECE)
- 29684 HAND BONES TUMOURS COMPLEX TREATMENT WITH USE OF THE ILIZAROV METHOD**  
Evgeniy VARGANOV (RUSSIA)
- 29724 THE USE OF ILIZAROV FIXATOR FOR TREATMENT OF PATIENT WITH DEFECTS OF HAND BONES**  
Evgeniy VARGANOV, Artem CHUBAKOV (RUSSIA)
- 29418 HYPERTROPHIC GRANULOMA FORMATION FOLLOWING THE USE OF FLEXIGLIDE FOR MEDIAN NERVE PROTECTION IN RECURRENT CARPAL TUNNEL SYNDROME**  
Rajeshkumar KAKWANI, Les IRWIN (UNITED KINGDOM)
- 30037 TREATING UNSTABLE DISTAL RADIUS FRACTURES WITH VOLAR LOCKING PLATE – FUNCTIONAL AND RADIOLOGICAL OUTCOMES**  
Hala KANONA, Sitaram GIRI, Krishnaiya KATAM, Paresh SONSALE (UNITED KINGDOM)
- 15:30 - 16:00 *Coffee break*
- 16:00 - 16:30 **Plenary Lecture (in Forum Hall)**  
**Pierre HOFFMEYER (SWITZERLAND)**  
**POLYTRAUMA: AN EVOLVING SPECTRUM**  
Pierre HOFFMEYER (SWITZERLAND)
- 16:30 - 18:00 **Free Papers**  
**Hand - Miscellaneous**  
*Moderators:*  
Giorgio BRUNELLI (ITALY) & Alexey DOLGOPOLOV (UKRAINE)
- 28839 RESULTS OF LOCKED FLEXIBLE INTRAMEDULLARY NAILING OF METACARPAL FRACTURES – A CASE SERIES**  
Venkatachalam SANTOSH, John HARRISON (UNITED KINGDOM)
- 29691 INTERPRETATION OF NORMAL HAND AND WRIST RADIOGRAPHS BY EMERGENCY ROOM AND ORTHOPAEDIC CLINICIANS**  
Ahsan AKHTAR, James DAVENPORT, Chris GEORGE, Simon PLATT (UNITED KINGDOM)
- 29436 PREOPERATIVE COMPUTERIZED MODELING IN SURGICAL TREATMENT OF WRIST PATHOLOGIES**  
Alexey VOLOTOVSKI, Evguenni MIKHNOVICH, Alexander MARTINOVICH (BELARUS)
- 28707 APPLICATION OF MRI IN EARLY DIAGNOSIS AND MEDICAL MANAGEMENT OF WRIST TUBERCULOSIS**  
Shwetabh RAI, Mathew VARGHESE, Balu SANKARAN (INDIA)
- 29949 RECONSTRUCTION OF DEFECT BONES OF UPPER EXTREMITY USING VASCULARIZED DIFFERENT BONES GRAFT IN CHILDREN**  
Anton GOVOROV, Sergey GOLYANA, Vladimir ZAVARUKHIN, Anatoly ORESHKOV (RUSSIA)

- 30245 FREE AND CONSTRAINED MUSCLE GRAFTING IN PATIENTS WITH SEVERE ISCHEMIC HAND CONTRACTURE**  
Alexey DOLGOPOLOV, Igor KURENNOY, Sergey STRAFUN (UKRAINE)
- 29039 AMPUTATION OF THUMB IS A VERY SEVERE DISABILITY**  
Giorgio BRUNELLI (ITALY)
- 29979 DIABETIC HAND PROBLEMS**  
Wing-Yuk IP, Amil JALIL (HONG KONG)



# Wednesday, 7 September

## Club E

08:00 - 09:30

### Instructional Course

#### Natural Disasters & Mass Casualties

*Moderator:*

Nikolaj WOLFSON (UNITED STATES)

#### **INTRODUCTION**

Nikolaj WOLFSON (UNITED STATES)

#### **JAPAN, 2011**

Taikoh DOHJIMA (JAPAN)

#### **ORTHOPAEDIC INJURIES DURING NATURAL DISASTERS & MASS CASUALTIES: OVERVIEW**

Nikolaj WOLFSON (UNITED STATES)

#### **TRIAGE: ORTHOPAEDIC PROSPECTIVE**

Moshe MICHAELSON (ISRAEL)

#### **INITIAL STABILIZATION: SPLINT, ETHERNAL FIXATION?**

Arshak MIRZOYAN (ARMENIA)

#### **CRUSH INJURIES**

Bharat KUMAR (INDIA)

#### **AMPUTATION**

Sankaranarayanan A. SARAVANAN (RUSSIA)

#### **LIMB SALVAGE**

Alexander LERNER (ISRAEL)

#### **Q & A**

09:30 - 10:00

*Coffee break*

10:00 - 10:30

Presidential Lecture (*in Forum Hall*)

#### **Cody BÜNGER (DENMARK)**

#### **GLOBAL CHALLENGES IN ORTHOPAEDICS: THE NEW ROLES OF SICOT**

Cody BÜNGER (DENMARK)

*with guest speaker, Dieter KOCH, Member of the European Parliament*

10:30 - 12:00

### Symposium

#### **Deutsche Gesellschaft für Unfallchirurgie (DGU) - (German Society for Traumatology): Trauma Prevention - Road Traffic Accidents**

*Moderators:*

Günter LOB (GERMANY) & Carl HAASPER (GERMANY)

#### **THE TRAUMA NETWORK OF THE GERMAN TRAUMA SOCIETY (DGU) – NATIONAL AND INTERNATIONAL REGIONALISATION OF THE TREATMENT OF THE SEVERELY INJURED**

Steffen RUCHHOLTZ (GERMANY)

**AUTOMATED CRASH NOTIFIERS: IS THERE EVIDENCE TO IMPROVE SURVIVAL NOT ONLY IN INDUSTRIALIZED COUNTRIES?**

Oliver PIESKE (GERMANY)

**30308 THINKAUTO – INDO-GERMAN INITIATIVE DEDICATED TO URBAN ROAD SAFETY**

Uli SCHMUCKER (GERMANY)

**THE UNITED NATIONS IN ACTION: A DECADE DEDICATED TO REDUCE ROAD TRAFFIC INJURY 2011-2020**

Marcos MUSAFIR (BRAZIL)

**BICYCLE HELMETS – NEED FOR A EUROPEAN HELMET LEGISLATION JUSTIFIED BY THE MÜNSTER BICYCLISTS STUDY?**

Christian JUHRA (GERMANY)

**30309 ATV RIDING IN GERMANY: LIFE ENDANGERING FUN?!**

Carl HAASPER, Christian W. MÜLLER, Christian KRETTEK (GERMANY)

12:00 - 13:45 Industry Symposium

**Synthes:**

**Pseudoarthrosis, osteomyelitis and open fractures: The role of RIA and Expert Tibial Nail PROtect, the first antibiotic-coated nail**

13:45 - 14:00 Lunch break

14:00 - 15:30 Free Papers

**Road Trauma**

*Moderators:*

Günter LOB (GERMANY) & Marcos MUSAFIR (BRAZIL)

**29060 ENDOSCOPICALLY-ASSISTED RAISING OF THORACODORSAL FREE FLAPS**

Andrey SEREDA, Andrey GRITSYUK, Lyubov GAUER (RUSSIA)

**28493 COMPARISON OF SURGICAL TRAINING BETWEEN SOUTH AFRICA AND THE UK**

David BARLOW<sup>1</sup>, Robert DACHS<sup>2</sup>  
<sup>1</sup>(UNITED KINGDOM), <sup>2</sup>(SOUTH AFRICA)

**29695 TRAUMA PATTERN & IMPACT OF EARLY REHABILITATION, AN EXPERIENCE OF KASHMIR (INDIA) EARTHQUAKE**

Sanjay KESHKAR (INDIA)

**29993 SAHER TECHNOLOGY'S EFFECT ON INJURY SEVERITY SCORE (ISS) AMONGST NGH A POPULATION**

Abeer ALZAILAI, Sara FADIL, Nayef DAJIM, S. ALTHUKAIR, Fayez ALMODHEN, Abdulaziz BIN AHMED (SAUDI ARABIA)

**29978 DEVELOPING COUNTRIES NEED MOTORCYCLE SAFETY STANDARDS**

Chandana KARUNATHILAKA, Narendra PINTO (SRI LANKA)

**29850 IS DRIVING SAFE WITH UPPER LIMB PLASTER CASTS?**

Ozkan KOSE, Mustafa CELIKTAS, Mahmut TAS, Serkan GURCAN, Onur COSKUN (TURKEY)

**29419 THE EFFECT OF KNEE / ANKLE IMMOBILISATION ON BRAKE REACTION TIME**

Rajeshkumar KAKWANI, A. WATON, N. COOKE, D. KOK, H. MIDDLETON, D. LITCHFIELD, Les IRWIN (UNITED KINGDOM)

**30003 RSA EVALUATION OF AN IMPLANT SYSTEM FOR ABOVE THE KNEE AMPUTEE PATIENTS**  
Henrik MALCHAU<sup>1</sup>, Charles BRAGDON<sup>1</sup>, Audrey NEBERGALL<sup>1</sup>, Anne ANTONELLIS<sup>1</sup>, Johan KÄRRHOLM<sup>2</sup>, Rickard BRANEMARK<sup>2</sup>, Orjan BERLIN<sup>2</sup>  
<sup>1</sup>(UNITED STATES), <sup>2</sup>(SWEDEN)

15:30 - 16:00 *Coffee break*

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

**Pierre HOFFMEYER (SWITZERLAND)**

**POLYTRAUMA: AN EVOLVING SPECTRUM**

Pierre HOFFMEYER (SWITZERLAND)

16:30 - 18:00 **Symposium**

**Natural Disasters - Amputation: When, How & After**

*Moderators:*

Maurice HINSENKAMP (BELGIUM) & Joel BOST (BELGIUM)

**AMPUTATION IN EMERGENCY, INDICATIONS, TECHNIQUES, THE MSF EXPERIENCE**

Patrick HERARD (FRANCE)

**AMPUTATION IN NATURAL DISASTERS AND MASS CASUALTIES: STAGED APPROACH**

Nikolaj WOLFSON (UNITED STATES)

**30350 AMPUTATION: HOW TO FACE CHALLENGING PROBLEMS IN A PRECARIOUS ENVIRONMENT**

Sylvain RIGAL (FRANCE)

**AMPUTATION IN NATURAL DISASTER IN PAKISTAN**

Syed AWAIS (PAKISTAN)

**REHABILITATION: FROM PREOPERATIVE PLANNING TO HOME**

Didier DEMEY (BELGIUM)

# Wednesday, 7 September

## Club H

08:00 - 08:45

### Symposium

International Society for Computer Assisted Orthopaedic Surgery (CAOS):  
Science

*Moderator:*

Frederic PICARD (UNITED KINGDOM)

#### **WHY NAVIGATE? ENGINEER'S OPINION**

Stéphane LAVALLÉE (FRANCE)

#### **WHY NAVIGATE? SURGEON'S OPINION**

Frederic PICARD (UNITED KINGDOM)

#### **CURRENT STATE OF THE ART**

Jörg LÜTZNER (GERMANY)

08:45 - 09:30

### Symposium

International Society for Computer Assisted Orthopaedic Surgery (CAOS):  
Clinical Applications in Knee Replacement

*Moderator:*

Radek HART (CZECH REPUBLIC)

#### **TOTAL KNEE REPLACEMENT (1)**

Frank LAMPE (GERMANY)

#### **TOTAL KNEE REPLACEMENT (2)**

Eric STINDEL (FRANCE)

#### **REVISION TOTAL KNEE REPLACEMENT**

Friedrich THIELEMANN (GERMANY)

09:30 - 10:00

*Coffee break*

10:00 - 10:30

Presidential Lecture (*in Forum Hall*)

**Cody BÜNGER (DENMARK)**

#### **GLOBAL CHALLENGES IN ORTHOPAEDICS: THE NEW ROLES OF SICOT**

Cody BÜNGER (DENMARK)

*with guest speaker, Dieter KOCH, Member of the European Parliament*

10:30 - 11:15

### Symposium

International Society for Computer Assisted Orthopaedic Surgery (CAOS):  
Clinical Applications in Other Indications

*Moderator:*

Jean-Yves JENNY (FRANCE)

#### **ANTERIOR CRUCIATE RECONSTRUCTION**

Stéphane PLAWESKI (FRANCE)

Wednesday, 7 September  
Club H

**TOTAL HIP REPLACEMENT**  
Hartmuth KIEFER (GERMANY)

**HIGH TIBIAL OSTEOTOMY**  
Dominique SARAGAGLIA (FRANCE)

11:15 - 12:00 **Symposium**

**International Society for Computer Assisted Orthopaedic Surgery (CAOS):  
Future**

*Moderator:*  
Klaus RADERMACHER (GERMANY)

**ENGINEER'S OPINION**  
Klaus RADERMACHER (GERMANY)

**SURGEON'S OPINION**  
Eric STINDEL (FRANCE)

**NAVIGATION AS A LEARNING TOOL**  
Jean-Yves JENNY (FRANCE)

12:00 - 14:00 **Industry Symposium**

**Aesculap:  
Orthopilot®**

*Moderator:*  
Frederic PICARD (UNITED KINGDOM)

**ORTHOPILOT®**  
Frederic PICARD (UNITED KINGDOM)

14:00 - 15:30 **Free Papers**

**Navigation**

*Moderators:*  
Mahmoud HAFEZ (EGYPT) & Nikolay ZAGORODNIY (RUSSIA)

**29672 ROLE OF THE COMPUTER NAVIGATION IN ACHIEVING IDEAL MECHANICAL AXIS OF TKR**  
Jakub KAUTZNER, Daniel RYBKA, Zdenek KOPECNY, Tomas TRC (CZECH REPUBLIC)

**29416 NAVIGATION SURGERY AS A UNIFYING ELEMENT TO OPTIMAL FINAL MECHANICAL AXIS IN KNEE REPLACEMENT AMONG NOVEL SURGEONS**  
Ricardo LARRAINZAR-GARIJO (SPAIN)

**29199 ROTATIONAL ALIGNMENT OF DISTAL FEMUR IN COMPUTER ASSISTED TOTAL KNEE REPLACEMENT (TKR)**  
Alessandro TODESCA, Jacques BEJUI HUGHES, Massimo PENNA, Marco CITI (ITALY)

**30024 COMPARISON OF FUNCTIONAL AND RADIOLOGICAL OUTCOMES AFTER COMPUTER-ASSISTED VERSUS CONVENTIONAL TOTAL KNEE ARTHROPLASTY: A MATCHED-CONTROL RETROSPECTIVE STUDY**  
Nikolay ZAGORODNY, Nik WEYAL, Inar SEIDOV, Kyrillos HADJICHARALAMBOUS, Arnold FERNANDES, Vitaly LEVIN, Jeychun ISMAYLOV (RUSSIA)

- 28687** **COMPUTER ASSISTED TOTAL KNEE ARTHROPLASTY USING EM NAVIGATION, CASE SERIES OF INITIAL EXPERIENCE**  
Mahmoud M. ABDEL KARIM (EGYPT)
- 28692** **UNICOMPARTMENTAL KNEE ARTHROPLASTY (UKA) REVISION USING COMPUTER ASSISTED TECHNIQUE**  
Alessandro TODESCA, Jacques BEJUI HUGHES (ITALY)
- 29953** **3D-BASED NAVIGATION AT INTERVENTIONS OF THE CERVICAL AND THORACIC SPINE – BENEFIT OR WASTE OF TIME – RESULTS OF 449 PLACED SCREWS**  
Jan-Sven JARVERS, Sebastian KATSCHER, Alexander FRANCK, Stefan GLASMACHER, Christian SCHMIDT, Christoph JOSTEN (GERMANY)
- 27040** **ANATOMICAL TIBIAL AXIS DEFINITION FOR COMPUTER GUIDED ANKLE REPLACEMENT SURGERY**  
Gavin BRIGSTOCKE, Matthew SOLAN (UNITED KINGDOM)
- 30168** **A NEW CLASSIFICATION SYSTEM FOR COMPUTER ASSISTED ORTHOPAEDIC SURGICAL TECHNIQUES**  
Mahmoud HAFEZ (EGYPT)

15:30 - 16:00 *Coffee break*

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

**Pierre HOFFMEYER (SWITZERLAND)**

**POLYTRAUMA: AN EVOLVING SPECTRUM**  
Pierre HOFFMEYER (SWITZERLAND)

16:30 - 18:00 **Free Papers**

**Spine - Cervical**

*Moderators:*

Joseph THAMBIAN (SINGAPORE) & Marcel VETRILE (RUSSIA)

- 27768** **POSTERIOR OCCIPITOCERVICAL FUSION IN RHEUMATOID ARTHRITIS OF UPPER CERVICAL SPINE – ANALYSIS OF OUR RESULTS**  
Vinodhkumar PANNIRSELVAM, Hee HWAN TAK (SINGAPORE)
- 29481** **A PROSPECTIVE RANDOMIZED STUDY OF CLINICAL OUTCOMES IN ELDERLY PATIENTS WITH CERVICAL SPONDYLOTIC MYELOPATHY TREATED WITH TWO TYPES OF FRENCH-DOOR LAMINOPLASTY**  
Mamoru KAWAKAMI, Shinichi NAKAO, Daisuke FUKUI, Yoshio ENYO (JAPAN)
- 28463** **CRANIOCERVICAL FLEXORS ENDURANCE TRAINING: TREATMENT APPROACH FOR CERVICAL SPONDYLOSIS**  
Shallu SHARMA (INDIA)
- 27355** **AN OBJECTIVE CASE CONTROLLED STUDY: DOES CERVICAL MUSCLE ADAPTATION IN MALE RUGBY PLAYERS AGED 13-18 OCCUR WHEN COMPARED TO AGE MATCHED CONTROLS?**  
James PEGRUM, Don GATHERER, Zoe HUDSON (UNITED KINGDOM)
- 30026** **A NOVEL TECHNIQUE FOR RESECTION AND STABILIZATION OF C2 DESTRUCTIVE LESIONS**  
Mohammad EL-SHARKAWI, Essam EL-SHERIF (EGYPT)
- 29947** **PROGNOSTIC VALUE OF SIGNAL INTENSITY CHANGE IN CERVICAL SPONDYLOTIC MYELOPATHY**  
Shanmuganathan RAJASEKARAN, Ashwin AVADHANI, Ajoy P. SHETTY (INDIA)
- 30241** **TREATMENT OF INJURIES OF UPPER CERVICAL SPINE**  
Marcel VETRILE (RUSSIA)

## Thursday, 8 September

	Forum Hall	Meeting Hall I	Meeting Hall IV	Meeting Hall V	Panorama Hall	Terrace I
08:00-09:30	Free Papers <b>Hip</b> Resurfacing & Cemented THA	Instructional Course Reverse Total Shoulder Arthroplasty	Instructional Course Guided TKA: Is it worth it?	Instructional Course Lengthening of Long Bones	<b>SRS</b> Symposium Infection & Tumour	Instructional Course Surgical Management of Spinal Deformities
09:30-10:00	<i>Coffee break</i>					
10:00-10:30	Plenary Lecture Frederic Picard (United Kingdom)					
10:30-12:00	Symposium Modular Stem Prosthesis of the Hip	<b>ESSE/SICOT</b> Lectures & Free Papers <b>Shoulder I</b>	Lecture & Free Papers <b>Knee</b> Long-Term Results	Symposium High Tibial Osteotomy	<b>SRS</b> Symposium Complications of Spinal Deformity Surgery	<b>ISMISS/SICOT</b> Lecture & Free Papers <b>Minimally Invasive Spinal Techniques I</b>
12:00-14:00	<i>Lunch break</i>		Industry Symposium <b>Medtronic</b>	Industry Symposium <b>Bayer</b>	Industry Symposium <b>Lima</b>	<i>Lunch break</i>
14:00-15:30	Lecture & Free Papers <b>Hip</b> Minimally Invasive	<b>ESSE/SICOT</b> Lecture & Free Papers <b>Shoulder II</b>	Lecture & Free Papers <b>Knee</b> Patella	Symposium Russian Symposium Русский симпозиум	Lecture & Free Papers <b>Spine</b> Special Topics	<b>ISMISS/SICOT</b> Lecture & Free Papers <b>Minimally Invasive Spinal Techniques II</b>
15:30-16:00	<i>Coffee break</i>					
16:00-16:30	Plenary Lecture Christian Gerber (Switzerland)					
16:30-18:00	Free Papers <b>Hip</b> Bearing Surface	<b>ESSE/SICOT</b> Lecture & Free Papers <b>Shoulder III</b>	Free Papers <b>Knee</b> Balancing	Symposium Lengthening & Correction of Deformities	Free Papers <b>Spine</b> Fractures	Free Papers <b>Spine</b> Surgery of the Degenerative Lumbar Spine

	Club A	Club B	Club C	Club D	Club E	Club H
08:00-09:30	Free Papers <b>Trauma</b> Pelvis & Proximal Femur	Closed Meeting IHS	Instructional Course Current Management of Osteoporosis	<b>ICFC/SICOT</b> Free Papers <b>Clubfoot</b> Basic Science & Clinical Research	Instructional Course Role of Pelvic Osteotomy in Early OA	<b>ARTOF Trauma</b> Instructional Course Distal Radius Fractures - Hands-on Volar Plating/ Plaster Cast (ends at 11:00)
09:30-10:00	<i>Coffee break</i>					
10:00-10:30						
10:30-12:00	Symposium Cartilage Repair	Closed Meeting IHS	Free Papers <b>Research</b> Miscellaneous I	<b>ICFC/SICOT</b> Free Papers <b>Clubfoot</b> International Clubfoot Treatment Programs & Strategies for Managing Difficult Clubfeet	Symposium How to Write & Publish a Paper	
12:00-14:00	Industry Symposium <b>BIOMET</b>	<i>Lunch break</i>	Industry Symposium <b>K-Implant</b>	<i>Lunch break</i>		Industry Symposium <b>Aesculap</b>
14:00-15:30	Lecture & Free Papers <b>Sports</b> <b>Traumatology</b> Anterior Cruciate Ligament I	Closed Meeting IHS	Free Papers <b>Regenerative Orthopaedics</b>	<b>ICFC/SICOT</b> Free Papers <b>Clubfoot</b> Ponseti Method	Free Papers <b>Spine</b> Deformities I	Free Papers <b>Knee</b> Blood Loss Control
15:30-16:00	<i>Coffee break</i>					
16:00-16:30						
16:30-18:00	Lecture & Free Papers <b>Sports</b> <b>Traumatology</b> Anterior Cruciate Ligament II	Closed Meeting IHS	Lecture & Free Papers <b>Research</b> Miscellaneous II	<b>ICFC/SICOT</b> Free Papers <b>Clubfoot</b> Long-Term Follow-Up Studies & Surgical Intervention	Lecture & Free Papers <b>Spine</b> Complications in Spine Surgery	Free Papers <b>Osteoporosis</b>



# Thursday, 8 September

## Forum Hall

08:00 - 09:30

### Free Papers

#### Hip - Resurfacing & Cemented THA

*Moderators:*

Laszlo BUCSI (HUNGARY) & James WADDELL (CANADA)

- 28794 HIP RESURFACING IN THE ELDERLY**  
Antonio MORONI, Martha HOQUE, Giovanni MICERA, Riccardo ORSINI, Rajesh RAJULE (ITALY)
- 27799 HIP RESURFACING. WHAT WE LEARNED AFTER OUR FIRST 486 CASES**  
Manuel RIBAS, Carlomagno CÁRDENAS-NYLANDER, Rubén LEDESMA, Vittorio BELLOTTI, Enric CÁCERES, Oliver MARÍN (SPAIN)
- 28824 FEMORAL HEAD AVASCULAR NECROSIS CAN BE SUCCESSFULLY ADDRESSED WITH HIP RESURFACING**  
Antonio MORONI, Rajesh RAJULE, Martha HOQUE, Giovanni MICERA, Riccardo ORSINI (ITALY)
- 30187 LEARNED LESSONS IN OUR FIRST CONSECUTIVE 486 HIP RESURFACINGS**  
Manuel RIBAS, Rubén LEDESMA, Carlomagno CÁRDENAS, Vittorio BELLOTTI, Oliver MARÍN, Enric CÁCERES (SPAIN)
- 30234 INTRAMEDULLARY ASPIRATION OF THE ILIUM DURING CEMENTING OF THE SOCKET IN TOTAL HIP ARTHROPLASTY (THA) IMPROVED RADIOGRAPHIC APPEARANCE OF THE BONE-CEMENT INTERFACE**  
Kobayashi SENEKI (JAPAN)
- 28915 A BIOMECHANICAL COMPARISON OF EPIPHYSEAL VERSUS METAPHYSEAL FIXED CONSERVATIVE HIP ARTHROPLASTY**  
James WADDELL, Michael OLSEN, Michael SELLAN, Rad ZDERO, Emil SCHEMITSCH (CANADA)
- 29484 ERADICATION OF NEGATIVE BONE REMODELLING USING THE CEMENTED C-STEM POLISHED TRIPLE TAPERED FEMORAL IMPLANT**  
Ravi BADGE, Amit SHAH, Nargis CHAUDHARY, D.S. SOCHART (UNITED KINGDOM)
- 30166 RADIOGRAPHIC ASSESSMENT OF CEMENTATION IN HIP HEMIARTHROPLASTY FOR TRAUMA**  
Roger WALTON, David MELLING, Andy MOLLOY (UNITED KINGDOM)
- 28736 CEMENTED POLISHED STEMS PRESERVE THE FEMUR IN YOUNG PATIENTS UNDERGOING PRIMARY HIP ARTHROPLASTY**  
Bogdan SOLOMON, Kerry COSTI, Margaret MCGEE, Angela STANDEN, Donald HOWIE (AUSTRALIA)

09:30 - 10:00 *Coffee break*

10:00 - 10:30

### Plenary Lecture

#### Frederic PICARD (UNITED KINGDOM)

- 30656 IS COMPUTER ASSISTED TOTAL KNEE SURGERY MAINSTREAM?**  
Frederic PICARD (UNITED KINGDOM)

10:30 - 12:00

Symposium

**Modular Stem Prosthesis of the Hip**

*Moderator:*

Tomas TRC (CZECH REPUBLIC)

**INTRODUCTION**

Karl-Heinz WIDMER (SWITZERLAND)

**SAFE "POSITIONING" IN HIP ARTHROPLASTY**

Karl-Heinz WIDMER (SWITZERLAND)

**ADVANTAGE OF MODULAR STEM**

Ulrich DÖRN (GERMANY)

**POSSIBILITIES OF MODULAR STEMS**

Tomas TRC (CZECH REPUBLIC)

**COMPLICATIONS**

Frank RAUHUT (GERMANY)

**DISCUSSION AND CONCLUSION**

Karl-Heinz WIDMER<sup>1</sup>, Ulrich DORN<sup>2</sup>, Frank RAUHUT<sup>3</sup>  
<sup>1</sup>(SWITZERLAND), <sup>2</sup>(AUSTRIA), <sup>3</sup>(GERMANY)

12:00 - 14:00

Lunch break

14:00 - 15:30

Lecture

Free Papers

**Hip - Minimally Invasive**

*Moderators:*

Pavel DUNGL (CZECH REPUBLIC) & Henri JUDET (FRANCE)

**MINI INVASIVE ANTERIOR APPROACH AND NAVIGATION IN HIP PROSTHESIS**

Henri JUDET (FRANCE)

- 29431 FEMUR EXPOSURE IN DIRECT ANTERIOR APPROACH FOR TOTAL HIP ARTHROPLASTY: CONTRIBUTION OF THE HIP JOINT CAPSULE AND SHORT EXTERNAL ROTATORS**  
Thomas RING, Michael JACOBS (UNITED STATES)
- 28452 A COMPARATIVE STUDY OF THE POSTEROLATERAL AND ANTEROLATERAL APPROACHES FOR ISOLATED ACETABULAR REVISION**  
Youn-Soo PARK, Young-Wan MOON, Seung-Jae LIM, Min-Soo SHON (SOUTH KOREA)
- 28505 PROCESS OPTIMIZED, MINIMALLY INVASIVE TOTAL HIP REPLACEMENT – MAKING A ROUTINE PROCEDURE MORE ECONOMICAL AND ERGONOMIC: A SINGLE-ARM, NON-RANDOMIZED PROSPECTIVE STUDY**  
Philipp GEBEL (SWITZERLAND)
- 30229 COMPARISON OF CLINICAL AND RADIOGRAPHIC RESULTS OF DIRECT ANTERIOR MINIMALLY INVASIVE TOTAL HIP ARTHROPLASTY IN OBESE AND NON-OBESE PATIENTS**  
Reinhard SCHUH<sup>1</sup>, Marc HUNGERFORD<sup>2</sup>  
<sup>1</sup>(AUSTRIA), <sup>2</sup>(UNITED STATES)
- 29072 THE NEW SL-PLUS-MIA-TIHA STEM – RESULTS AFTER 12 TO 24 MONTHS**  
Gerald PFLÜGER, Sabine JUNK-JANTSCH, Johannes BONOMO (AUSTRIA)

- 29070 RADIOLOGICAL ANALYSIS OF OSSEOINTEGRATION IN MIS-THA AND POSTOPERATIVE FULL WEIGHT MOBILIZATION ON THE BASIS OF 200 TIHA-COATED AND UNCOATED SL-PLUS-MIA-STEMS AFTER ONE YEAR**  
Gerald PFLÜGER, Sabine JUNK-JANTSCH, Johannes BONOMO (AUSTRIA)
- 28461 BIOMECHANICAL AND RADIOLOGICAL ANALYSIS WITH A 4-YEAR CLINICAL OUTCOME OF SHORT HIP STEM METHA WITH AN EXPERIENCE OF MORE THAN 750 IMPLANTATIONS**  
Andreas GRUNER, Karl-Dieter HELLER (GERMANY)
- 30149 EARLY DISCHARGE FOLLOWING PRIMARY TOTAL HIP ARTHROPLASTY BY MINIMALLY INVASIVE TECHNIQUE – DISTRICT GENERAL HOSPITAL EXPERIENCE**  
Jagan Mohana Reddy VELPULA, Partha GAJULA, Anand SWAMINATHAN, Mahesh THIBIAH, N. ASHOK (UNITED KINGDOM)
- 29489 OBJECTIVE MEASUREMENT OF INTRAOPERATIVE LIMB LENGTH AND OFFSET IN TOTAL HIP REPLACEMENT**  
Ravi BADGE, Amit SHAH, A. BONSHAHI (UNITED KINGDOM)
- 15:30 - 16:00 *Coffee break*
- 16:00 - 16:30 **Plenary Lecture (in Meeting Hall I)**  
**Christian GERBER (Switzerland)**  
**PARTIAL ROTATOR CUFF TEARS**  
Christian GERBER (SWITZERLAND)
- 16:30 - 18:00 **Free Papers**  
**Hip - Bearing Surface**  
*Moderators:*  
Henrik MALCHAU (UNITED STATES) & Laurent SEDEL (FRANCE)
- 28643 A PROSPECTIVE RANDOMIZED CONTROLLED TRIAL COMPARING THREE ALTERNATIVE BEARING SURFACES IN PRIMARY TOTAL HIP ARTHROPLASTY**  
James WADDELL, Vassilios NIKOLAOU, Max EDWARDS, Earl BOGOCH, Emil SCHEMITSCH (CANADA)
- 30009 TEN YEAR FOLLOW-UP OF HIGHLY CROSS-LINKED POLYETHYLENE LINERS IN TOTAL HIP ARTHROPLASTY**  
Henrik MALCHAU, Charles BRAGDON, Young-Min KWON, Andrew FREIBERG, Harry RUBASH (UNITED STATES)
- 30016 MULTI-CENTER MINIMUM 5-YEAR WEAR ANALYSIS OF LARGE FEMORAL HEADS ON HIGHLY-CROSSLINKED POLYETHYLENE**  
Henrik MALCHAU, Charles BRAGDON, Michael DOERNER, John MARTELL, Paul LACHIEWICZ, Young-Min KWON (UNITED STATES)
- 29110 THE EFFECT OF ACETABULAR INCLINATION ANGLE ON THE SURVIVORSHIP OF ALUMINA-CERAMIC ARTICULATIONS**  
Henning R. JOHANSSON<sup>1</sup>, Michael G. ZYWIEL<sup>2</sup>, David R. MARKER<sup>2</sup>, Michael A. MONT<sup>2</sup>, Peter M. BONUTTI<sup>2</sup>  
<sup>1</sup>(GERMANY), <sup>2</sup>(UNITED STATES)
- 28438 LONG-TERM RESULTS OF TOTAL HIP ARTHROPLASTY WITH A SANDWICH TYPE ALUMINA CERAMIC BEARING**  
Youn-Soo PARK, Young-Wan MOON, Seung-Jae LIM, Sang-Min KIM, Jae-Woo SHIM, Hyun-Seok YIM (SOUTH KOREA)

- 29741 NAVIGATED BILATERAL MODULAR SHORT STEM THA**  
Hartmuth KIEFER, Bjoern LEDER (GERMANY)
- 29373 PRIMARY TOTAL HIP ARTHROPLASTY WITH DURALOC CUP**  
Liang TIAN (CHINA)
- 29977 A MINIMUM 8-YEAR FOLLOW-UP OF PRIMARY TOTAL HIP ARTHROPLASTY WITH A PROXIMALLY-COATED TAPERED TITANIUM FEMORAL STEM**  
Henrik MALCHAU, Young-Min KWON, Phillip GLASSNER, Charles BRAGDON, Michael DOERNER (UNITED STATES)
- 29959 DOES RADIATION THERAPY IN CANCER PATIENTS INCREASE THE RISK OF RECEIVING A TOTAL HIP ARTHROPLASTY? A LINKAGE STUDY BETWEEN THE CANCER REGISTER OF NORWAY AND THE NORWEGIAN ARTHROPLASTY REGISTER**  
Eva DYBVIK, Ove FURNES, Sophie Dorothea FOSSÅ, Stein Atle LIE (NORWAY)
- 28610 IMPACTION BONE GRAFTING: COMPARISON OF TWO IMPACTION MODES**  
David PUTZER, Michael NOGLER, Eckart MAYR, Christian HAID, Andrea REINTHALER (AUSTRIA)

# Thursday, 8 September

## Meeting Hall I

08:00 - 09:30

Instructional Course

### Reverse Total Shoulder Arthroplasty

*Moderator:*

Christian GERBER (SWITZERLAND)

#### BIOMECHANICS AND INDICATIONS

Pierre HOFFMEYER (SWITZERLAND)

#### REVERSE TOTAL SHOULDER ARTHROPLASTY IN MASSIVE ROTATOR CUFF DISEASE

Marius SCARLAT (FRANCE)

#### REVERSE TOTAL SHOULDER ARTHROPLASTY FOR ACUTE FRACTURES

Frank GOHLKE (GERMANY)

#### REVERSE TOTAL SHOULDER ARTHROPLASTY FOR POSTTRAUMATIC SITUATIONS

Geraldo MOTTA (BRAZIL)

#### REVERSE TOTAL SHOULDER ARTHROPLASTY FOR FAILED ARTHROPLASTY

Christian GERBER (SWITZERLAND)

#### CASE PRESENTATION

Christian GERBER (SWITZERLAND)

09:30 - 10:00

*Coffee break*

10:00 - 10:30

Plenary Lecture (*in Forum Hall*)

### Frederic PICARD (United Kingdom)

30656

#### IS COMPUTER ASSISTED TOTAL KNEE SURGERY MAINSTREAM?

Frederic PICARD (UNITED KINGDOM)

10:30 - 12:00

Lectures

Free Papers

European Society for Surgery of the Shoulder and the Elbow (ESSSE) / SICOT:  
Shoulder I

*Moderators:*

Frank GOHLKE (GERMANY) & Geraldo MOTTA FILHO (BRAZIL)

#### INDICATION AND LIMITS OF HUMERAL HEAD SURFACE REPLACEMENT

Frank GOHLKE (GERMANY)

#### LATISSIMUS DORSI AND TERES MAJOR TRANSFER FOR EXTERNAL ROTATION WITH REVERSE SHOULDER ARTHROPLASTY

Geraldo MOTTA FILHO (BRAZIL)

29349

#### EARLY RESULTS OF EXTENDED ARTICULAR SURFACE COPELAND SURFACE REPLACEMENT FOR SHOULDER CUFF ARTHROPATHY

Moez BALLAL, Andy ROCHE, Mark WEBB, Ian HARVEY (UNITED KINGDOM)

- 28929 HOW SAFE IS SHOULDER RESURFACING? INTRA OPERATIVE AND IMMEDIATE POSTOPERATIVE COMPLICATIONS**  
Vinay SINGH, Ravi TREHAN, Vipul PATEL (UNITED KINGDOM)
- 29650 OUTCOME OF REVISION TOTAL SHOULDER REPLACEMENT AFTER FAILURE OF COPELAND SHOULDER RESURFACING**  
Anuj JAISWAL, Ron DODENHOFF, Stuart HAY, Cormac KELLY (UNITED KINGDOM)
- 29718 EARLY OUTCOMES OF PROXIMAL HUMERUS FRACTURES TREATED WITH REVERSE TOTAL SHOULDER ARTHROPLASTY**  
Stipe KRAJINOVIC, Martin MAJEWSKI (SWITZERLAND)
- 28823 INFRAGLENOIDAL SCAPULAR NOTCHING IN REVERSE TOTAL SHOULDER REPLACEMENT: ANALYSIS OF 60 CASES AND SYSTEMATIC REVIEW OF THE LITERATURE**  
Patrick SADOGLI, Andreas LEITHNER, Matthias GLEHR, Joerg FRIESENBICHLER, Gerald GRUBER, Michael PECHMANN, Josef HOCHREITER, Georg WEBER (AUSTRIA)
- 29661 USE OF AN ECCENTRIC GLENSPHERE IN REVERSE TOTAL SHOULDER ARTHROPLASTY: TWO YEARS MINIMUM FOLLOW-UP RESULTS**  
Carlo F. DE BIASE, Giantony DI GIORGIO, Marina ANGELONI, Claudio BARRESI (ITALY)

12:00 - 14:00 *Lunch break*

14:00 - 15:30

Lecture

Free Papers

**European Society for Surgery of the Shoulder and the Elbow (ESSSE) / SICOT: Shoulder II**

*Moderators:*

Ales PODSKUBKA (CZECH REPUBLIC) & Marius SCARLAT (FRANCE)

**LABRUM REPAIR FOR SHOULDER INSTABILITY: INDICATIONS, TECHNIQUE AND PITFALLS**

Marius SCARLAT (FRANCE)

- 28359 COMPARISON BETWEEN BEACH CHAIR AND LATERAL DECUBITUS POSITION IN ARTHROSCOPIC SHOULDER STABILIZATION WITH SUTURE ANCHOR TECHNIQUE**  
Gregor MÖCKEL, Ulf KUHLEE, Theresa BLANKE, Karsten LABS (GERMANY)
- 27029 THE RELIABILITY OF MRI ARTHROGRAPHY IN THE IDENTIFICATION OF GLENOID LABRAL PATHOLOGY IN CLINICALLY UNSTABLE SHOULDERS**  
Sam JONAS, Michael WALTON, Partha SARANGI (UNITED KINGDOM)
- 28272 PREDICTION OF CORACOID WIDTH USING A GLENOID WIDTH BASED MODEL: IMPLICATIONS FOR BONE TRANSFER PROCEDURES IN ANTERIOR SHOULDER INSTABILITY**  
Karin LJUNGQUIST, Michael GRIESSER, Julie BISHOP (UNITED STATES)
- 29800 GLENOPLASTY FOR RECURRENT ANTERIOR DISLOCATION OF SHOULDER**  
Sudhir KUMAR, Surender Mohan TULI (INDIA)
- 28358 ARTHROSCOPIC STABILIZATION FOR TRAUMATIC ANTERIOR DISLOCATION OF THE SHOULDER: SUTURE ANCHOR FIXATION VERSUS KNOTLESS IMPLANT TECHNIQUE**  
Karsten LABS, Ulf KUHLEE, Theresa BLANKE (GERMANY)
- 30099 THE SUPINATION-ELBOW-EXTENSION-TEST FOR HYPERLAXITY AT THE SHOULDER**  
Christoph ZISKOVEN, Joern KIRCHER, Carolin BRUCKMANN, Thilo PATZER, Rüdiger KRAUSPE (GERMANY)
- 28487 MODIFEID L'EPISCOPO PROCEDURE FOR TREATMENT OF ERB'S PALSY**  
Munzir ODEH, Rabea ODEH (JORDAN)

Thursday, 8 September  
Meeting Hall I

**29397 TENDON TRANSFER AROUND THE SHOULDER FOLLOWING PARALYSIS OF THE BRACHIAL PLEXUS**  
Georgios Gr. PAPADOPOULOS, Harilaos SAKELLARIDES (UNITED STATES)

15:30 - 16:00 *Coffee break*

16:00 - 16:30 Plenary Lecture

**Christian GERBER (SWITZERLAND)**

**PARTIAL ROTATOR CUFF TEARS**  
Christian GERBER (SWITZERLAND)

16:30 - 18:00

Lecture

Free Papers

**European Society for Surgery of the Shoulder and the Elbow (ESSSE) / SICOT:  
Shoulder III**

*Moderators:*

Osvandre LECH (BRAZIL) & Jie ZHAO (CHINA)

**EVIDENCE-BASED COMPARISON BETWEEN OPEN AND ARTHROSCOPIC RESECTION OF THE  
DISTAL CLAVICLE**

Osvandre LECH (BRAZIL)

**ARTHROSCOPIC RECONSTRUCTION OF ACJ**

Ram YARON (ISRAEL)

**28221 OUTCOMES WITH COMBINED ARTHROSCOPIC ROTATOR CUFF REPAIR AND CAPSULAR RELEASE  
FOR PARTIAL-THICKNESS ROTATOR CUFF TEARS WITH SEVERE SHOULDER STIFFNESS**

Hiroshi HASHIGUCHI, Satoshi IWASHITA, Kazufumi MINAMI, Hiromoto ITO (JAPAN)

**28625 THE EFFECT OF PLATELET-RICH-PLASMA ON ROTATOR CUFF TENDON HEALING**

Onur HAPA, Husamettin CAKICI, Raif OZDEN, Aysel KUKNER, Tulin FIRAT, Gokhan BAYSAL, Nazli SARKALKAN, Aydiner KALACI, Ahmet Nedim YANAT (TURKEY)

**28024 EFFECTS OF SELECTIVE PARALYSIS OF THE SUPRASPINATUS MUSCLE WITH BOTULINUM TOXIN A  
IN ROTATOR CUFF HEALING IN RATS**

Andreas FICKLSCHERER, Matthias F. PIETSCHMANN, Markus SCHARF, Peter E. MÜLLER, Birte SIEVERS (GERMANY)

**29860 SHOULDER INSTABILITY AS A CAUSE OF ROTATOR CUFF IMPINGEMENT. AN ENTITY THAT  
SHOULD BE EMPHASIZED IN OVERHEAD ATHLETES**

Dimosthenis ALASEIRLIS, Eleftherios STEFAS, Antonios KOUZELIS, Christos PAPAGEORGIOU (GREECE)

**30073 ACUTE SUBSCAPULARIS CALCIFIC TENDONITIS MIMICKING SEPTIC ARTHRITIS DIAGNOSED AND  
MANAGED IN THE EMERGENCY DEPARTMENT UNDER ULTRASOUND GUIDANCE**

John DABIS, Jonathan STEVENSON, Cormac KELLY (UNITED KINGDOM)

**29462 CALCIFIC TENDINOSIS OF SUPRASPINATUS TREATED BY RADIOFREQUENCY MICROTENOTOMY**

Vojtech HAVLAS, Tomas TRC (CZECH REPUBLIC)

# Thursday, 8 September

## Meeting Hall IV

08:00 - 09:30	<b>Instructional Course</b> <b>Guided TKA: Is it worth it?</b> <i>Moderator:</i> Frederic PICARD (UNITED KINGDOM) <b>INTRODUCTION</b> Frederic PICARD (UNITED KINGDOM) <b>BASIC SCIENCES</b> Jean-Yves JENNY (FRANCE) <b>PUBLISHED EVIDENCE AND OUTCOME</b> Mahmoud HAFEZ (EGYPT) <b>BEST PRACTICE AND HOW TO DO IT</b> Alberto GREGORI (UNITED KINGDOM) <b>NEW TECHNOLOGY IN THE FIELD AND THE FUTURE OF NAVIGATION INCLUDING ALGORITHM FOR SOFT-TISSUE BALANCING</b> Jon CLARKE (UNITED KINGDOM) <b>TAKE HOME MESSAGE</b>
09:30 - 10:00	<i>Coffee break</i>
10:00 - 10:30	<b>Plenary Lecture (in Forum Hall)</b> <b>Frederic PICARD (UNITED KINGDOM)</b>
30656	<b>IS COMPUTER ASSISTED TOTAL KNEE SURGERY MAINSTREAM?</b> Frederic PICARD (UNITED KINGDOM)
10:30 - 12:00	<b>Lecture</b>   <b>Free Papers</b> <b>Knee - Long-Term Results</b> <i>Moderators:</i> Seth GREENWALD (UNITED STATES) & Karel KOUDELA (CZECH REPUBLIC) <b>PERFORMANCE CHARACTERISTICS OF MOBILE BEARING TKA</b> Seth GREENWALD (UNITED STATES)
28488	<b>LONG TERM SURVIVORSHIP OF PFC PRIMARY TOTAL KNEE ARTHROPLASTY: A SURGEON'S EARLY EXPERIENCE!</b> Aravind DESAI, Devendar CHAUHAN, Caroll BRIGNALL (UNITED KINGDOM)
28997	<b>COMPARISON OF 4-YEAR SURVIVAL OF CEMENTED AND CEMENTLESS TOTAL KNEE PROSTHESES</b> Venceslav PISOT, Vesna LEVASIC, Simon KOVAC, Ingrid MILOSEV (SLOVENIA)
30226	<b>COMPARISON OF RESULTS OF AGC TKA BETWEEN CLINICAL STUDIES AND NATIONAL ARTHROPLASTY REGISTERS</b> Reinhard SCHUH, Nikolaus BOEHLER, Gerold LABEK (AUSTRIA)



- 27503 DESIGN RATIONALE AND MID-TERM RESULTS OF THE E.MOTION KNEE SYSTEM**  
Rolf K. MIEHLKE, Birger THIEL (GERMANY)
- 28014 FUNCTIONAL OUTCOME OF MINI-ROBOT COMPUTER ASSISTED PRIMARY MOBILE BEARING UNCEMENTED CRUCIATE RETAINING TOTAL KNEE ARTHROPLASTY BETWEEN MEASURED RESECTION AND GAP BALANCING TECHNIQUES: A RANDOMISED CONTROL STUDY**  
Vinay Kumar SINGH, Ravi TREHAN, Ranjive VARKEY, Ramakrishna RAGHAVAN, Yogeesh KAMAT, Ajeya ADHIKARI (UNITED KINGDOM)
- 29581 RETROSPECTIVE ANALYSIS OF THE RESULTS OF APPLICATION OF TOTAL KNEE IMPLANTS WITH METAL-BASE AND ALL-POLYETHYLENE TIBIAL COMPONENTS**  
Timur TAZIEV, Olga SEDOVA, Gennady KUROPATKIN (RUSSIA)
- 29170 A 12- TO 15-YEAR FOLLOW-UP STUDY OF THE ROTAGLIDE MOBILE BEARING TOTAL KNEE ARTHROPLASTY**  
Yasuo KUNUGIZA, Tetsuya TOMITA (JAPAN)
- 29273 5-7 YEAR RESULTS FOLLOWING TOTAL KNEE ARTHROPLASTY WITH THE COLUMBUS KNEE SYSTEM**  
Oliver HAUSCHILD, Matthias MUENZBERG, Lukas KONSTANTINIDIS, Peter HELWIG, Norbert SUEDEKAMP, Friedrich THIELEMANN (GERMANY)
- 30060 PRELIMINARY EXPERIENCE WITH THE CUSTOM-FIT TOTAL KNEE ARTHROPLASTY: COMPARISON WITH A MATCHED CONTROL GROUP**  
Bert BOONEN, Martijn SCHOTANUS, Nanne KORT (NETHERLANDS)

12:00 - 14:00 Industry Symposium

**Medtronic:  
Bone Healing and Grafting Technologies: Just the Facts**

*Moderator:*  
Philippe HERNIGOU (FRANCE)

**BONE HEALING AND GRAFTING TECHNOLOGIES: JUST THE FACTS**  
Philippe HERNIGOU (FRANCE)

14:00 - 15:30 Free Papers

**Knee - Patella**

*Moderators:*  
Chadwick SMITH (UNITED STATES) & Albert VAN KAMPEN (NETHERLANDS)

- 28176 CONGENITAL DISLOCATION OF THE PATELLA TREATED BY COMBINED ROTATIONAL HIGH TIBIAL OSTEOTOMY AND KNEE ARTHROPLASTY**  
John CAMERON (CANADA)
- 30221 PATELLAR SUBLUXATION IN CR TYPE TKA WITH NONRESURFACING PATELLA**  
Eiki NOMURA, Hiroaki MATSUMOTO, Motoyasu INOUE (JAPAN)
- 29740 PATELLOFEMORAL INSTABILITY TREATED BY ARTHROSCOPIC TROCHLEOPLASTY – THE NEW TECHNIQUE WITH EARLY PROMISING RESULTS**  
P. Nithin UNNIKRIISHNAN, Paul MAYERS, Alison HATCHER, Mark CAPLAN, Michael MCNICHOLAS (UNITED KINGDOM)
- 29569 CLINICAL AND FUNCTIONAL OUTCOME OF TOTAL KNEE ARTHROPLASTY (TKA) WITH OR WITHOUT PATELLAR RESURFACING – ASIAN PERSPECTIVE**  
Vinodh Kumar PANNIRSELVAM, Wilson WANG, Justin BOEY (SINGAPORE)

- 28940 OCCURENCE OF DVT IN PATIENTS WITH PATELLA FRACTURES**  
H. Del SCHUTTE JR, Greg COLBATH (UNITED STATES)
- 30144 PATELLAR RESURFACING VERSUS NON-RESURFACING IN STAGED REVISION OF THE INFECTED TOTAL KNEE ARTHROPLASTY**  
Nong Kyoum AHN, Dong Won LEE, Kwang Am JUNG, Moon Bok SONG (SOUTH KOREA)
- 29870 COMPARING THE MID-VASTUS AND MEDIAL PARAPATELLAR APPROACHES IN TOTAL KNEE ARTHROPLASTY: A META-ANALYSIS**  
Ilhan ALCELIK, Mohamed SUKEIK, Raymond POLLOCK, Anand MISRA, Ashraf NAGUIB, Fares HADDAD (UNITED KINGDOM)
- 28305 PATELLOFEMORAL HEMICAP RESURFACING ARTHROPLASTY: LITERATURE REVIEW AND CLINICAL RESULTS**  
Chinyelu MENAKAYA, David TEANBY (UNITED KINGDOM)
- 28013 COMPUTER ASSISTED PRIMARY TOTAL KNEE ARTHROPLASTY BETWEEN OBESE AND NON OBESE PATIENTS: IS NAVIGATION THE ANSWER TO KNEE ARTHROPLASTY IN OBESITY?**  
Vinay Kumar SINGH, Ravi TREHAN, Ranjive VARKEY, Ramakrishna RAGHAVAN, Yogeesh KAMAT, Ajeya ADHIKARI (UNITED KINGDOM)
- 27501 DOES AN EXPERIENCED KNEE SURGEON BENEFIT FROM THE USE OF A NAVIGATION SYSTEM IN TKA?**  
Rolf K. MIEHLKE, Ludwig BAUSE (GERMANY)
- 15:30 - 16:00 *Coffee break*
- 16:00 - 16:30 **Plenary Lecture (in Meeting Hall I)**  
**Christian GERBER (SWITZERLAND)**  
**PARTIAL ROTATOR CUFF TEARS**  
Christian GERBER (SWITZERLAND)
- 16:30 - 18:00 **Free Papers**  
**Knee - Balancing**  
*Moderators:*  
Thami BENZAKOUR (MOROCCO) & Antonin SOSNA (CZECH REPUBLIC)
- 28095 ISOLATED LATERAL LIGAMENT LAXITY IN PRIMARY TOTAL KNEE ARTHROPLASTY: COHORT STUDY OF STEMMED VERSUS UNSTEMMED IMPLANTS**  
Ohsoo KWON<sup>1</sup>, Weon-Yoo KIM<sup>1</sup>, Atul KAMATH<sup>2</sup>, Gwo Chin LEE<sup>2</sup>, Jonathan GARINO<sup>2</sup>  
<sup>1</sup>(SOUTH KOREA), <sup>2</sup>(UNITED STATES)
- 29902 GAP CHANGES AFTER POPLITEUS TENDON RESECTION DURING TOTAL KNEE ARTHROPLASTY (TKA): A CADAVERIC STUDY IN THAI FEMALE KNEES**  
Saran TANTAVISUT, Aree TANAVALEE, Srihatach NGARMUKOS, Vajara WILAIRATANA, Pongsak YUKTANANDANA, Yongsak WANGROONGSUB (THAILAND)
- 28462 POSTERIOR STABILISED IMPLANTS IN PRIMARY TOTAL KNEE REPLACEMENT**  
Pierre-Paul CASTELEYN<sup>1</sup>, Dirk GANZER<sup>2</sup>, Robert KRAUSE<sup>2</sup>, Hans BAYER-HELMS<sup>2</sup>  
<sup>1</sup>(BELGIUM), <sup>2</sup>(GERMANY)
- 29120 LONG-TERM RESULTS OF A ROTATING-PLATFORM POSTERIOR STABILIZED TKR DESIGN**  
Chitranjan RANAWAT, Morteza MEFTAH, Amar RANAWAT (UNITED STATES)

- 28518 REVISION KNEE PROSTHESES FOR DIFFICULT PRIMARY TOTAL KNEE REPLACEMENT: INDICATIONS AND OUTCOME**  
Ayman EBIED, Sameh MARIE (EGYPT)
- 29139 HOW RELIABLE IS FIXED VALGUS DISTAL FEMORAL RESECTION IN PRIMARY TOTAL KNEE ARTHROPLASTY?**  
Praveen BASANAGOUDAR, Basavaraj KYAVATER, Atmakuri Venkata RANGANADHAM, B. RAMESH (INDIA)
- 30188 CONDYLAR DIFFERENTIAL IN PLANNED TIBIAL CUTS IN TOTAL KNEE REPLACEMENT**  
Kodali Siva Rama Krishna PRASAD<sup>1</sup>, Emil SCHEMITSCH<sup>2</sup>, Peter LEWIS<sup>1</sup>  
<sup>1</sup>(UNITED KINGDOM), <sup>2</sup>(CANADA)
- 29504 HINDFOOT ALIGNMENT VARIATION BEFORE AND AFTER TOTAL KNEE ARTHROPLASTY – RESULTS OF A PILOT STUDY**  
Ashok SHYAM, Surendra PATIL, Rajeev JOSHI, Parag SANCHETI, K.H. SANCHETI (INDIA)
- 27615 POSTOPERATIVE LATERAL LIGAMENOUS LAXITY AFTER TKA IN THE VALGUS KNEE**  
Hitoshi SEKIYA, Kenzo TAKATOKU, Hisashi TAKADA, Hideyuki SASANUMA (JAPAN)

# Thursday, 8 September

## Meeting Hall V

08:00 - 09:30

### Instructional Course

#### Lengthening of Long Bones

*Moderator:*

Tomas TRC (CZECH REPUBLIC)

#### **INTRODUCTION**

Tomas TRC (CZECH REPUBLIC)

#### **LENGHTENING OF LONG BONE – ILIZAROV PRINCIPLES**

Konstantin NOVIKOV (RUSSIA)

#### **LENGTHENING OF LONG BONES USING ILIZAROV APPARATUS**

Konstantin NOVIKOV (RUSSIA)

#### **LENGTHENING ON LOCKIN NAIL**

Tomas TRC (CZECH REPUBLIC)

#### **INTRAMEDULLARY SKELETAL KINETIC DISTRACTOR**

Tomas TRC (CZECH REPUBLIC)

#### **THE FULLY IMPLANTABLE FITBONE SYSTEM FOR LENGTHENING AN AXIS CORRECTION**

Rainer BAUMGART (GERMANY)

#### **LENGTHENING OF SMALL BONE**

Hubert KLAUSNER (GERMANY)

#### **COMPLICATIONS AND SALVAGE PROCEDURE**

Jan POUL, Jiri CHOMIAK (CZECH REPUBLIC)

#### **CONCLUSION AND DISCUSSION**

09:30 - 10:00

*Coffee break*

10:00 - 10:30

Plenary Lecture (*in Forum Hall*)

**Frederic PICARD (UNITED KINGDOM)**

**30656**

**IS COMPUTER ASSISTED TOTAL KNEE SURGERY MAINSTREAM?**

Frederic PICARD (UNITED KINGDOM)

10:30 - 12:00

Symposium

**High Tibial Osteotomy**

*Moderator:*

Thami BENZAKOUR (MOROCCO)

#### **INDICATIONS AND PRE-OP PLANNING**

Hatem SAID (EGYPT)

#### **HIGH TIBIAL WEDGE OSTEOTOMY FOR MEDIAL KNEE ARTHRITIS**

Thami BENZAKOUR (MOROCCO)

Thursday, 8 September  
Meeting Hall V

	<p><b>30361 MEDIAL OPEN-WEDGE HTO VS MEDIAL UKA</b> Alex STAUBLI (SWITZERLAND)</p> <p><b>30303 OPENING WEDGE TIBIAL OSTEOTOMY FOR LARGE VARUS DEFORMITY</b> Philippe HERNIGOU, Alexandre POIGNARD, Charles Henri FLOUZAT LACHANETTE (FRANCE)</p> <p><b>TAILORED HTO: WHICH TECHNIQUE FOR WHOM?</b> Semih AYDOGDU (TURKEY)</p> <p><b>COMPLICATIONS OF CLOSING WEDGE HIGH TIBIAL OSTEOTOMY</b> James WADDELL (CANADA)</p>
12:00 - 14:00	<p>Industry Symposium</p> <p><b>Bayer:</b> <b>New Oral Anticoagulants in the Orthopaedic Setting</b></p>
14:00 - 15:30	<p>Symposium</p> <p><b>Russian Symposium (with simultaneous interpretation)</b></p> <p><i>Moderator:</i> Nikolay ZAGORODNIY (RUSSIA)</p> <p><b>TREATMENT OF PATIENTS WITH SEVERE ISCHEMIC CONTRACTURE</b> Sergey STRAFUN, I.N. KURINOI, O.G. GAJKO, A.V. DOLGOPOLOV (UKRAINE)</p> <p><b>TREATMENT OF NON UNITED INFECTED FRACTURES OF LONG BONES: STUDY AND RESULTS OF TREATMENT OF 350 CASES</b> N.P. GRITSAI, A.G. PETCHERSKI, A.N. LINENKO, G.B. KOLOV, V.N. TSOKALO, A.S. GORDI (UKRAINE)</p> <p><b>30525 RECONSTRUCTION OF THE DYSPLASTIC HIP IN ADOLESCENTS</b> Alexander BELETSKY, O.A. SOKOLOV (BELARUS)</p> <p><b>30526 ARTHROSCOPY IN DIAGNOSTICS AND TREATMENT OF KNEE JOINT PATHOLOGY IN CHILDREN</b> Mikhail GERASIMENKO, Alexander BELETSKY (BELARUS)</p> <p><b>30292 NEW POSSIBILITIES OF USING TITANIUM ALLOYS IN ENDOPROSTHESIS OF LARGE JOINTS</b> Nikolay ZAGORODNIY, Alexander BALBERKIN, Alexander ILYIN (RUSSIA)</p> <p><b>30301 DYNAMIC LSZ INSTRUMENTATION IN TREATMENT OF CHILDREN SCOLIOSIS</b> Mukhammad SAMPIEV, Nikolay ZAGORODNIY, Alexander LAKA, Stepan BALASHOV, Artem LYAGIN (RUSSIA)</p>
15:30 - 16:00	Coffee break
16:00 - 16:30	<p>Plenary Lecture (in Meeting Hall I)</p> <p><b>Christian GERBER (SWITZERLAND)</b></p> <p><b>PARTIAL ROTATOR CUFF TEARS</b> Christian GERBER (SWITZERLAND)</p>

**Lengthening & Correction of Deformities***Moderator:*

Tomas TRC (CZECH REPUBLIC)

**TREATMENT OF UPPER LIMB DEFORMITIES WITH EXTERNAL FIXATION**

Ghassan SALAMEH (SYRIA)

**FEMORAL LENGTHENING**

Konstantin NOVIKOV (RUSSIA)

**ATYPICAL CORRECTIVE OSTEOTOMY FOR CORRECTION OF BOWING DEFORMITY OF LONG BONE**

Tomas TRC (CZECH REPUBLIC)

**THE ROLE OF TRANSOSSEOUS OSTEOSYNTHESIS METHOD IN REHABILITATION OF PATIENTS WITH CONGENITAL DEVELOPMENTAL ABNORMALITY OF LOWER LIMB**

Babak BOHLOOLI, Guseynali ISMAYLOV (IRAN)

**LENGTHENING OVER LOCKING NAIL – LONG-TERM RESULTS**

Tomas TRC (CZECH REPUBLIC)

**A MATCHED COMPARISON OF LENGTHENING OVER NAIL (LON), VERSUS INTRAMEDULLARY SKELETAL KINETIC-DISTRACTION (ISKD) FOR FEMORAL LENGTHENING**

S. MAHBOUBIAN, M. SEAH, A.T. FRAGOMEN, S. ROZBRUCH (UNITED STATES)

**REPEATED LENGTHENING FOR CORRECTION OF SHORT STATURE**

Anna ARANOVICH, Sergey MURADISINOV (RUSSIA)

**COMPLICATION IN HUMERAL LENGTHENING OF ACHONDROPLASTIA PATIENTS**

O. KLIMOV, Anna ARANOVICH (RUSSIA)

# Thursday, 8 September

## Panorama Hall

08:00 - 09:30

### Symposium

#### Scoliosis Research Society (SRS): Infection & Tumour

*Moderator:*

Shanmuganathan RAJASEKARAN (INDIA)

#### **NOVEL TECHNIQUES IN SPINAL IMAGING**

Shanmuganathan RAJASEKARAN (INDIA)

#### **TB SPONDYLITIS WITH AND WITHOUT NEUROLOGICAL IMPAIRMENT**

Keith LUK (HONG KONG)

#### **NONSPECIFIC INFECTIONS**

Petr SUCHOMEL (CZECH REPUBLIC)

#### **PRIMARY EXTRADURAL OSSEOUS SPINAL TUMOURS**

Keith LUK (HONG KONG)

#### **ALGORITHMS IN THE MANAGEMENT OF EXTRADURAL SPINAL METASTASIS**

Cody BÜNGER (DENMARK)

#### **DISCUSSION**

#### **CASE DISCUSSION**

09:30 - 10:00

*Coffee break*

10:00 - 10:30

Plenary Lecture (*in Forum Hall*)

#### **Frederic PICARD (UNITED KINGDOM)**

30656

#### **IS COMPUTER ASSISTED TOTAL KNEE SURGERY MAINSTREAM?**

Frederic PICARD (UNITED KINGDOM)

10:30 - 12:00

### Symposium

#### Scoliosis Research Society (SRS): Complications of Spinal Deformity Surgery

*Moderator:*

Kamal IBRAHIM (UNITED STATES)

#### **NON-NEUROLOGICAL COMPLICATIONS IN DEFORMITY SURGERY AND HOW TO AVOID THEM**

George THOMPSON (UNITED STATES)

#### **NEUROLOGICAL COMPLICATIONS IN DEFORMITY SURGERY AND HOW TO AVOID THEM**

John DORMANS (UNITED STATES)

#### **INSTRUMENTATION RELATED COMPLICATIONS IN OSTEOPOROTIC SPINE AND HOW TO AVOID THEM**

Ahmet ALANAY (TURKEY)

**DISCUSSION**

**CASE DISCUSSION**

12:00 - 14:00

**Industry Symposium**

**Lima:**

**Trabecular Titanium™: What Bone Really Wants To Be Next To**

*Moderators:*

F. BIGGI (ITALY) & Tomas TRC (CZECH REPUBLIC)

**FROM A STANDARD PRESS-FIT CUP TO THE TRABECULAR TITANIUM™: REASONS BEHIND THE CHOICE**

F. BENAZZO (ITALY)

**THE DELTA REVISION SYSTEM IN DIFFICULT ACETABULAR REVISION**

D. JAHODA (CZECH REPUBLIC)

**DEFECT DEPENDENT CEMENTLESS ACETABULAR RECONSTRUCTION USING THE DELTA REVISION SYSTEM**

D. NEUMANN (AUSTRIA)

**IN VIVO CHARACTERISATION OF THE TRABECULAR TITANIUM™ OSTEOINTEGRATIVE POTENTIAL**

S. BURELLI (ITALY)

**TRABECULAR TITANIUM™ OSTEOINDUCTIVE PROPERTIES: A STUDY ON HUMAN STEM CELLS DIFFERENTIATION**

G. GASTALDI (ITALY)

**DISCUSSION**

14:00 - 15:30

**Lecture**

**Free Papers**

**Spine - Special Topics**

*Moderators:*

Keith Dip-Kei LUK (HONG KONG) & Yan WANG (CHINA)

**VERTEBRAL COLUMN DECANCELLATION (VCD) FOR SHARP ANGULAR SPINAL DEFORMITY**

Yan WANG (CHINA)

**29952 IN-VIVO DEMONSTRATION OF SPONTANEOUS APICAL VERTEBRAL DEROTATION IN THORACIC ADOLESCENT IDIOPATHIC SCOLIOSIS**

Keith Dip-Kei LUK, Wai Yuen CHEUNG, K.M.C. CHEUNG, Yat Wa WONG, Dino SAMARTZIS (HONG KONG)

**27236 DISTAL ADDING-ON PHENOMENON IN LENKE 1A SCOLIOSIS: RISK FACTOR IDENTIFICATION AND TREATMENT STRATEGY COMPARISON**

Yu WANG, Cody BÜNGER, Ebbe HANSEN (DENMARK)

**29382 CORRELATION OF ADULT SPINAL SAGITTAL IMBALANCE AND LIFE QUALITY ASSESSED WITH SF-36**

Zhaomin ZHENG, Taiping WANG, Hui LIU, Hua WANG, Kuibo ZHANG (CHINA)

**27475 TRANSARTICULAR SCREW FIXATION FOR ATLANTOAXIAL INSTABILITY – MODIFIED MAGERL'S TECHNIQUE IN 38 PATIENTS**

Tarun GOYAL, Raj BAHADUR, Sujit K. TRIPATHY (INDIA)



- 29660 IS SPINAL DYSRAPHISM A PROBLEM IN CASES OF CONGENITAL KYPHOSIS AND KYPHOSCOLIOSIS?**  
Shalin MAHESHWARI, Ashok JOHARI, Ratna JOHARI, Amit NEMADE, Maulin SHAH (INDIA)
- 27817 SIMULTANEOUSLY ANTERIOR DECOMPRESSION AND POSTERIOR INSTRUMENTATION BY SINGLE EXTRA PLEURAL RETROPERITONEAL APPROACH IN THORACOLUMBAR LESIONS**  
Saurabh JAIN (INDIA)
- 29933 ASSESSMENT OF FIBER TRACT INTEGRITY IN SPINAL CORD BY DIFFUSION TENSOR IMAGING EVALUATION OF DTI DATAMETRICS AND TRACTOGRAPHY OF NORMAL SPINAL CORD, ACUTE AND CHRONIC SPINAL CORD INJURIES**  
Shanmuganathan RAJASEKARAN, Rishi M. KANNA, Ajoy P. SHETTY (INDIA)
- 29817 ASSOCIATION BETWEEN THE POLYMORPHISM OF VDR GENE AND DEGENERATIVE DISC DISEASE OF THE LUMBAR SPINE IN A CHINESE HAN POPULATION**  
Bin YU, Zhihong WU, Guixing QIU, Jia ZHANG (CHINA)
- 15:30 - 16:00 *Coffee break*
- 16:00 - 16:30 **Plenary Lecture (in Meeting Hall I)**  
**Christian GERBER (SWITZERLAND)**  
**PARTIAL ROTATOR CUFF TEARS**  
Christian GERBER (SWITZERLAND)
- 16:30 - 18:00 **Free Papers**  
**Spine - Fractures**  
*Moderators:*  
Petr KORBELAR (CZECH REPUBLIC) & Martin KRBEC (CZECH REPUBLIC)
- 28422 NEGLECTED TRAUMATIC DISLOCATION OF THE SUBAXIAL CERVICAL SPINE**  
Anil JAIN, Ish DHAMMI, Ajay PAL, Puneet MISHRA (INDIA)
- 28544 PROBLEMS IN DIAGNOSING CERVICAL SPINE INJURY, SPINAL CORD INJURY, OR BOTH AND RELATED MEASURES: A STUDY OF 9468 CASES OF CERVICAL SPINE TRAUMA**  
Hiroki YOSHIMATSU, Kenji YOSHIDA, Hisashi YAMASHITA, Kimiaki SATO, Kensei NAGATA (JAPAN)
- 29746 SURGICAL TREATMENT OF LOWER CERVICAL COLUMN TRAUMATIC FRACTURES**  
Hector Francisco GUTIERREZ, Francisco Javier CERVANTES LIZARRAGA, Raul MONROY MAYA (MEXICO)
- 27310 ELECTRONEUROSTIMULATION CAPABILITIES IN VICTIMS OF VERTEBRAL CEREBRO-SPINAL INJURIES**  
Alexander TOMA, Svetlana GRAMMA, George TOMA, Kira PETROVA, Ilya TOMA, Svetlana TOMA, Vyacheslav NINEL (RUSSIA)
- 29983 PEDICLE SCREW FIXATION FOR UNSTABLE THORACIC SPINE FRACTURES: CLINICAL AND RADIOLOGICAL EVALUATION OF 120 CASES**  
Efe Levent ARAS, Ebbe Stander HANSEN, Kristian HØY, Peter HELMIG, Bent NIEDERMANN, Cody BÜNGER (DENMARK)
- 29405 ANTERIOR COLUMN RECONSTRUCTION IN BURST FRACTURES OF THORACO-LUMBAR REGION: RATIONALE AND INDICATIONS**  
Anil K. JOSHI, Saurabh SINGH, Narender ROHILLA, Kamran FAROOQUE, Budhadev CHOWDHURY, Arvind JAYASWAL (INDIA)

- 28418 SIMULTANEOUS ANTERIOR DECOMPRESSION AND POSTERIOR INSTRUMENTATION BY EXTRAPLEURAL RETROPERITONEAL APPROACH FOR THORACOLUMBAR LESIONS – A SERIES OF 52 CASES**  
Anil JAIN, Ish DHAMMI, Saurabh JAIN, Jaswant KUMAR (INDIA)
- 28507 INITIAL PERCUTANEOUS SPINAL INSTRUMENTATION IN POLYTRAUMATIZED PATIENTS, THE CONCEPT OF DAMAGE CONTROL SPINAL SURGERY**  
Ahmed SHAWKY, Heinrich BOEHM (GERMANY)
- 29527 MRI PATTERN OF VERTEBRAL FRACTURES DUE TO OSTEOPOROSIS, INFECTION AND MALIGNANT TUMORS**  
Mohamed ABDEL-WANIS, Mohamed SOLYMAN, Nahla Mohamed Ali HASAN (EGYPT)
- 28299 CRESCENT FRACTURE DISLOCATION OF THE SACROILIAC JOINT: USE OF ILIOSACRAL SCREWS**  
Mahmoud M. ABDEL KARIM, Sherif A. KHALED, Ahmed H. ABDEL AZEEM (EGYPT)

# Thursday, 8 September

## Terrace I

08:00 - 09:30

Instructional Course

### Surgical Management of Spinal Deformities

*Moderator:*

Martin KRBEC (CZECH REPUBLIC)

#### **INTRODUCTION**

Martin KRBEC (CZECH REPUBLIC)

#### **CONGENITAL SCOLIOSIS AND TIS**

Martin REPKO (CZECH REPUBLIC)

#### **ADOLESCENT IDIOPATHIC SCOLIOSIS**

Martin KRBEC (CZECH REPUBLIC)

#### **JUVENILE IDIOPATHIC SCOLIOSIS**

Richard CHALOUPKA (CZECH REPUBLIC)

#### **NEUROMUSCULAR SCOLIOSIS**

Martin REPKO (CZECH REPUBLIC)

#### **DEGENERATIVE SCOLIOSIS**

Martin KRBEC (CZECH REPUBLIC)

#### **CONCLUSION**

09:30 - 10:00

*Coffee break*

10:00 - 10:30

Plenary Lecture (*in Forum Hall*)

**Frederic PICARD (UNITED KINGDOM)**

**30656**

**IS COMPUTER ASSISTED TOTAL KNEE SURGERY MAINSTREAM?**

Frederic PICARD (UNITED KINGDOM)

10:30 - 12:00

Lecture

Free Papers

**International Society for Minimal Intervention in Spinal Surgery (ISMISS) / SICOT:  
Minimally Invasive Spinal Techniques I**

*Moderators:*

Hansjoerg LEU (SWITZERLAND) & Vladimir RADCHENKO (UKRAINE)

**29370**

**ISMISS SESSION – PRESIDENT’S OPENING ADDRESS**

Hansjoerg LEU (SWITZERLAND)

**28914**

**ENDOSCOPY IN DDD: FACTS SINCE 1982 AND STATE OF THE ART**

Hansjoerg LEU (SWITZERLAND)

**28681**

**LATERAL AND FAR LATERAL HERNIAS (FORAMINAL AND EXTRAFORAMINAL) CURRENT ASPECTS  
NEW TRENDS ACCORDING TO A PARTICULAR SERIES OF 64 FULL-ENDOSCOPIC DISCECTOMIES**

Daniel GASTAMBIDE, Frederic JACQUOT, Patrice MOREAU (FRANCE)

- 29200 NEW GRID POSITIONING SYSTEM (GPS) GUIDANCE FOR ENDOSCOPIC TRANSFORAMINAL MICRODECOMPRESSIVE LUMBAR DISC SURGERY IN THE MORBID OBESE PATIENT**  
John CHIU (UNITED STATES)
- 29329 MINIMALLY INVASIVE SURGICAL TREATMENT OF COMPRESSION SYNDROMES IN PATIENTS WITH UNCOVERTEBRAL ARTHROSIS**  
Mykola KORZH, Volodymyr RADCHENKO, Konstantin POPSUIISHAPKA (UKRAINE)
- 29204 ENDOSCOPIC ANTERIOR CERVICAL DISCECTOMY/FORAMINOPLASTY WITH INTRAOPERATIVE NEUROPHYSIOLOGICAL MONITORING (IOM)**  
John CHIU (UNITED STATES)
- 29250 MUST YOU IMMEDIATELY MAKE A FUSION ON A FORAMINAL HERNIA?**  
Daniel GASTAMBIDE, Frederic JACQUOT, Patrice MOREAU (FRANCE)
- 27537 MINIMALLY INVASIVE TRANSFORAMINAL INTERBODY FUSION FOR DEGENERATIVE LUMBAR DISORDERS**  
Keisuke NAKANO, Toshimitu KAWAGISHI, Toshitada SAWADA (JAPAN)
- 30242 OUR EXPERIENCE OF MINIMALLY INVASIVE SPINAL TECHNIQUES IN TREATMENT OF DIFFERENT SPINAL DISORDERS**  
Marcel VETRILE (RUSSIA)
- 30315 WHAT WE HAVE TO KNOW TO SAFELY PERFORM LUMBAR TRANSFORAMINAL PERCUTANEOUS PROCEDURES**  
Pil Sun CHOI (BRAZIL)
- 28641 AUTOMATED PERCUTANEOUS LUMBAR DISCECTOMY VS ENDOSCOPIC DISCECTOMY; LONG-TERM RESULTS**  
Tolgay SATANA, Murat ERGUVEN, Mehmet ALTUG, Kamil BARLAS, Ali FINCAN (TURKEY)
- 12:00 - 14:00 *Lunch break*
- 14:00 - 15:30 **Lecture** **Free Papers**
- International Society for Minimal Intervention in Spinal Surgery (ISMISS) / SICOT: Minimally Invasive Spinal Techniques II**
- Moderators:*  
Pil Sun CHOI (BRAZIL) & Sang-Ho LEE (SOUTH KOREA)
- 30247 ADVANCED MINIMALLY INVASIVE SPINE SURGERY (MISS) IN KOREA WITH PERSONAL ACHIEVEMENT**  
Sang-Ho LEE (SOUTH KOREA)
- 29325 MONOCLONAL ANTIBODY TUMOR NECROSIS FACTOR (TNF) IN THE TREATMENT OF DISC HERNIATION**  
Vasiliy SHIMON, Volodymyr RADCHENKO, Inga FEDOTOVA (UKRAINE)
- 29323 REPAIR OF INTERVERTEBRAL DISC IN MINIMALLY INVASIVE SPINE SURGERY**  
Vladimir RADCHENKO, Olga KOSTITZKY (UKRAINE)
- 29202 BIOLOGIC VERTEBRAL AUGMENTATION AND RECONSTRUCTION WITH MORCELIZED BONE GRAFT**  
John CHIU (UNITED STATES)
- 29882 PERCUTANEOUS KYPHOPLASTY: SUN YAT-SEN UNIVERSITY 10-YEAR EXPERIENCES**  
Zhaomin ZHENG, Taiping WANG, Hui LIU (CHINA)

- 29880 VERTEBRAL AUGMENTATION WITH A NOVEL BONE VOID FILLING CONTAINER SYSTEM: A BIOMECHANICAL STUDY**  
Zhaomin ZHENG, Taiping WANG, Hui LIU (CHINA)
- 29612 THE ADVISABILITY OF THE APPLICATION OF PERCUTANEOUS TRANSPEDICULAR SCREW FIXATION IN THE TREATMENT OF METASTASIS TO VERTEBRAL COLUMN BASED ON SELECTED CASES FROM THE MATERIAL OF ORTHOPAEDIC AND TRAUMATOLOGY WARD IN SZCZECIN**  
Karol ROGAS, Michal KEDZIERSKI, Konrad DOBIECKI, Andrzej BOHATYREWICZ (POLAND)
- 29805 VESSELPLASTY FOR THE TREATMENT OF OSTEOPOROTIC VERTEBRAL COMPRESSION FRACTURES**  
Aloysius Bambang DARWONO (INDONESIA)
- 29327 MINIMALLY INVASIVE SURGICAL TREATMENT OF THE LATERAL RECESS STENOSIS**  
Artem SKIDANOV, Volodymyr RADCHENKO (UKRAINE)
- 29203 MINIMALLY INVASIVE SPINE SURGERY (MISS): A SURGEON'S PERSPECTIVE ON TECHNOLOGICAL CONVERGENCE AND DIGITAL OR CONTROL SYSTEM**  
John CHIU (UNITED STATES)
- 15:30 - 16:00 *Coffee break*
- 16:00 - 16:30 **Plenary Lecture (in Meeting Hall I)**  
**Christian GERBER (SWITZERLAND)**  
**PARTIAL ROTATOR CUFF TEARS**  
Christian GERBER (SWITZERLAND)
- 16:30 - 18:00 **Free Papers**  
**Spine - Surgery of the Degenerative Lumbar Spine**  
*Moderators:*  
José GUIMARAES CONSCIENCIA (PORTUGAL) & Kandiah RAVEENDRAN (MALAYSIA)
- 28667 BONE DENSITY VARIATION ABOVE INTERSPINOUS INSTRUMENTATION**  
José GUIMARAES CONSCIENCIA (PORTUGAL)
- 28918 DID REPEAT MRI SCANNING AFFECT MANAGEMENT OF SURGICAL LEVEL DECOMPRESSION OF THE LUMBAR-SACRAL SPINE?**  
Dushan THAVARAJAH, Mathew YOUSEF, Patrick MCKENNA, Robert MARSHALL (UNITED KINGDOM)
- 29494 EXTENDED FENESTRATION SURGERY IN DEGENERATIVE LUMBAR CANAL STENOSIS**  
Ashwani SINGH, Anil DHAL, Sumit SURAL (INDIA)
- 29835 DYNAMIC STABILISATION FOR GRADE I & II DEGENERATIVE LUMBAR SPONDYLOLISTHESIS WITH STENOSIS: EARLY CLINICAL RESULTS OF A NEW DYNAMIC STABILISATION SYSTEM**  
Sandesh LAKKOL, Razvan TARANU, Chandra BHATIA, Manoj KRISHNA, Tai FRIESEM (UNITED KINGDOM)
- 30218 A NOVEL MINIMALLY INVASIVE APPROACH TO LUMBOSACRAL SPINE**  
Tariq SOHAIL (PAKISTAN)
- 28913 CAUDAL EPIDURAL STEROID INJECTIONS FOR THE MANAGEMENT OF LOWER BACK PAIN AND SCIATICA: A REGIONAL SURVEY**  
Syed HAQUE, Julian GASKIN, Anthony UGOWUKE, Shuaib KARMANI (UNITED KINGDOM)

- 28189 THREE DIMENSIONAL COMPUTED TOMOGRAPHY (3D-CT) AND RADIOGRAPHS ASSESSMENT OF INTERBODY FUSION**  
Yan-Ping ZHENG, Xin-Yu LIU, Suo-Mao YUAN (CHINA)
- 30072 LOW BACK PAIN: A COMPARISON OF PHYSICAL THERAPY AND SURGERY. WHAT DETERMINES FUNCTIONAL OUTCOME AT TWO YEARS? AN OBSERVATIONAL STUDY**  
José DE PEDRO, Alfonso GONZÁLEZ-ORÚS, Maximiliano TERRÓN, Javier DOMÍNGUEZ (SPAIN)
- 29876 GINKGOLIDE B PROMOTES PROLIFERATION AND FUNCTIONAL ACTIVITIES OF BONE MARROW-DERIVED ENDOTHELIAL PROGENITOR CELLS: INVOLVEMENT OF AKT/ENOS AND MAPK/P38 SIGNALING PATHWAYS**  
Yubo TANG, Xuenong ZOU, Xiao CHEN, Xinsheng PENG, Baoding HUANG (CHINA)

# Thursday, 8 September

## Club A

08:00 - 09:30

Free Papers

Trauma - Pelvis & Proximal Femur

*Moderators:*

Jan BARTONICEK (CZECH REPUBLIC) & Miroslav HASPL (CROATIA)

- 28196 OUTCOMES OF PLATE FIXATION IN PUBIC DIASTASIS: OUR EXPERIENCE WITH 19 PATIENTS AND REVIEW OF LITERATURE**  
Vibhu KRISHNAN, Kamal BALI, Sameer AGGARWAL, Ramesh Kumar SEN, Sakthivel Rajan RAJARAM MANOHARAN (INDIA)
- 27336 OUTCOME OF SURGICAL MANAGEMENT OF UNSTABLE PELVIC FRACTURES**  
Kaushik Reddy MADUGULA (INDIA)
- 28262 PATHOLOGY OF NEGLECTED FEMORAL NECK FRACTURE**  
Hardas Singh SANDHU, Parvinder Singh SANDHU, Atul KAPOOR, Rajinder RAJAN (INDIA)
- 27381 THE USE OF ELLIPTICA HEMIARTHROPLASTY FOR THE TREATMENT OF DISPLACED FEMORAL NECK FRACTURES IN PATIENTS OLDER THAN 60 YEARS**  
Felipe MATURANA, Maturana ERNESTO, Ricardo STAUB, Jose Pedro SIMONETTI (CHILE)
- 29911 RESULTS OF MIS USING ADJUSTABLE SLIDING HIP SCREWS IN HIP FRACTURES**  
Ichiro NAKAYAMA (JAPAN)
- 29738 RISK FACTORS FOR LAG SCREW CUT-OUT IN INTERTROCHANTERIC FRACTURES**  
Helle KRISTENSEN, Ole BRINK, Rikke THORNINGER, Lars BORRIS, Kjeld ANDERSEN (DENMARK)
- 29946 IPSILATERAL FRACTURES OF THE PROXIMAL FEMUR AND THE FEMORAL SHAFT**  
Pavel DOUSA, Tomas PAVELKA (CZECH REPUBLIC)
- 27713 SELFDYNAMISABLE INTERNAL FIXATOR (SIF) ONE NEW AND MINIMALLY INVASIVE METHOD IN FEMORAL FRACTURES TREATMENT**  
Milorad MITKOVIC, Desimir MLADENOVIC, Sasa MILENKOVIC, Ivan MICIC, Milan MITKOVIC (SERBIA)
- 28269 MINIMALLY INVASIVE PLATE OSTEOSYNTHESIS (MIPO) FOR FIXATION OF FEMORAL FRACTURES**  
Mahmoud M. ABDEL KARIM, Mohamed YOUNESS, Ashraf N. MOHARRAM, Mohamed KADDAH, Hazem ABDEL AZEEM (EGYPT)
- 28361 DEBRIDEMENT VERSUS LABRAL REPAIR IN FAI**  
Gregor MOECKEL, Karsten LABS (GERMANY)

09:30 - 10:00

*Coffee break*

10:00 - 10:30

Plenary Lecture (*in Forum Hall*)

Frederic PICARD (UNITED KINGDOM)

- 30656 IS COMPUTER ASSISTED TOTAL KNEE SURGERY MAINSTREAM?**  
Frederic PICARD (UNITED KINGDOM)

Thursday, 8 September  
Club A

10:30 - 12:00

Symposium

Cartilage Repair

*Moderators:*

Stephen ABELOW (UNITED STATES) & Pedro GUILLEN (SPAIN)

**AUTOLOGOUS CHONDROCYTE IMPLANTATION – CONCEPT, SCIENCE, AND 20-YEAR EXPERIENCE**

Lars PETERSON (SWEDEN)

**STEM CELLS – CONCEPT AND APPLICATIONS IN ARTICULAR CARTILAGE**

Mats BRITTEBERG (SWEDEN)

**MACI – MATRIX AUTOLOGOUS CHONDROCYTE IMPLANTATION: NINE-YEAR EXPERIENCE AND NEW SCIENCE**

Stephen ABELOW (UNITED STATES)

**30368 HYALOGRAFT AND BIOMIMETIC CONSTRUCTS AND NEW SCIENCE**

Elezaveta KON, Giuseppe FILARDO, Alessandro DI MARTINO, Silvio PATELLA, Berardo DI MATTEO, Francesco PERDISA, Giulio ALTADONNA, Federica BALBONI, Maurilio MARCACCI (ITALY)

**ACI WITH COLLAGEN TYPE I HYDROGELS**

Ulrich NÖTH (GERMANY)

12:00 - 14:00

Industry Symposium

**BIOMET:**

**Introducing Quality of Care while Reducing Costs: The Rapid Recovery Programme**

*Moderators:*

David HOULIHAN-BURNE (UNITED KINGDOM), Henrik HUSTED (DENMARK) & Billy KRISTENSEN (DENMARK)

**LAUNCHING RAPID RECOVERY**

David HOULIHAN-BURNE (UNITED KINGDOM)

**OPTIMISING ANAESTHESIA AND ANALGESIA TO ENHANCE RECOVERY**

Billy KRISTENSEN (DENMARK)

**RE-ADMISSIONS, BILATERAL TKA AND REVISIONS IN FAST-TRACK**

Henrik HUSTED (DENMARK)

14:00 - 15:30

Lecture

Free Papers

**Sports Traumatology - Anterior Cruciate Ligament I**

*Moderators:*

Fatih KUCUKDURMAZ (TURKEY) & Albert VAN KAMPEN (NETHERLANDS)

**DIAGNOSIS AND MODERN TREATMENT OPTIONS FOR PATELLA INSTABILITIES**

Albert VAN KAMPEN (NETHERLANDS)

**28563 THE CLINICAL LOCATION OF TUNNELS AFTER ANATOMIC DOUBLE-BUNDLE ANTERIOR CRUCIATE LIGAMENT (ACL) RECONSTRUCTION ANALYZED BY THREE-DIMENSIONAL COMPUTED TOMOGRAPHY (CT)**

Kenji TOKUNAGA<sup>1</sup>, Masashi KIMURA<sup>1</sup>, Yasukazu KOBAYASHI<sup>1</sup>, Nadim ASLAM<sup>2</sup>, Rad ZDERO<sup>3</sup>  
<sup>1</sup>(JAPAN), <sup>2</sup>(UNITED KINGDOM), <sup>3</sup>(CANADA)



- 30184 DOUBLE BUNDLE ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION USING EZLOC FEMORAL FIXATION DEVICE**  
Takafumi HIRANAKA, Yuichi HIDA, Harunobu UEMOTO, Minoru DOITA, Yutaro KANDA, Yuichi KURODA, Mitsuo TSUJI (JAPAN)
- 29252 TUNNEL POSITIONS AND GRAFT SIZE IN ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTIONS PREDICT PROBABILITY OF GRAFT IMPINGEMENT**  
W.P. YAU, August W.M. FOK (HONG KONG)
- 27055 ANTEROMEDIAL BUNDLE INFLUENCES INTERNAL TIBIAL ROTATION MORE THAN POSTEROLATERAL BUNDLE – A CADAVER STUDY**  
Radek HART, Martin KOMZAK, Frantisek OKAL (CZECH REPUBLIC)
- 30210 A MATHEMATICAL MODEL OF THE OPTIMAL TIBIAL TUNNEL POSITION FOR DOUBLE BUNDLE RECONSTRUCTION OF THE ANTERIOR CRUCIATE LIGAMENT**  
Takafumi HIRANAKA, Yuichi HIDA, Harunobu UEMOTO, Minoru DOITA, Yuichi KURODA, Yutaro KANDA, Mitsuo TSUJI (JAPAN)
- 30125 LACKING RE-INNervation OF THE RUPTURED ACL-GRAFT – A CAUSE OF GRAFT-FAILURE?**  
Philippe TSCHOLL, Roland BIEDERT (SWITZERLAND)
- 28584 COMPARISON OF 3 DIFFERENT FEMORAL FIXATION (APERFIX, TRANSFIX, ENDOBUTTON) FOR ACL RECONSTRUCTION. A PROSPECTIVE RANDOMISED CLINICAL TRIAL STUDY**  
Firooz MADADI, Firoozeh MADADI, Alireza EAJAZI (IRAN)
- 15:30 - 16:00 *Coffee break*
- 16:00 - 16:30 **Plenary Lecture (in Meeting Hall I)**  
**Christian GERBER (SWITZERLAND)**  
**PARTIAL ROTATOR CUFF TEARS**  
Christian GERBER (SWITZERLAND)
- 16:30 - 18:00 **Lecture** **Free Papers**  
**Sports Traumatology - Anterior Cruciate Ligament II**  
*Moderators:*  
Fabio RAVAGLIA (BRAZIL) & Milan HANDL (CZECH REPUBLIC)
- ACL RECONSTRUCTION WITH ARTIFICIAL LIGAMENT – MULTI-CENTRAL CLINICAL STUDY & NEW DEVELOPED LIGAMENT**  
Shiyi CHEN (CHINA)
- 28870 UNTREATED DEEP CARTILAGE LESIONS ASSOCIATED WITH ACL INJURY: RESULTS AT 10 AND 15 YEARS FOLLOW-UP**  
Wojciech WIDUCHOWSKI, Piotr LUKASIK, Faltus RYSZARD, Grzegorz KWIATKOWSKI, Adam MROCZKA, Jerzy WIDUCHOWSKI (POLAND)
- 29854 MAGNETIC RESONANCE IMAGING DOCUMENTS INCREASED INCIDENCE OF MENISCAL TEARS IN THE ANTERIOR CRUCIATE LIGAMENT DEFICIENT KNEE**  
Saker KHAMAISY, Adi FRIEDMAN, Joe LOWE (ISRAEL)
- 28513 ANATOMIC SINGLE BUNDLE ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION USING TWO CROSS PINS: CADAVERIC STUDY**  
Ayman EBIED, Mahmoud TAHOON, Wael EL KHOLY (EGYPT)

- 26920 MEDIAL PATELLO-FEMORAL LIGAMENT RECONSTRUCTION: IS A CLINICAL METHOD OF IDENTIFYING THE ISOMETRIC FEMORAL ATTACHMENT RELIABLE? A CLINICAL AND RADIOLOGICAL STUDY**  
Gautam TALAWADEKAR, Barry ROSE, Elnikety SHERIF, Marian GRIGORAS, Chan JEER (UNITED KINGDOM)
- 29714 ARTHROSCOPIC NEEDLE-KNIFE SURGICAL DEVICE (ANKSD)**  
Fabio Ferraz do Amaral RAVAGLIA, Tiago Fonseca BARCELLOS, Alberto CLIQUET JUNIOR (BRAZIL)
- 28705 THE IMPORTANCE OF INDEPENDENT MEASUREMENT OF WIDTH AND LENGTH OF LATERAL MENISCUS DURING PREOPERATIVE SIZING FOR MENISCAL ALLOGRAFT TRANSPLANTATION**  
Jae Hyuk YANG, Jung-Ro YOON, Young Soo SHIN, Eui Dong YE, Hyung Won JANG (SOUTH KOREA)
- 28588 SURGICAL SYNOVECTOMY COMBINED 90Y SYNOVECTOMY RECURRENT KNEE SYNOVITIS**  
Zekeriya OZTEMUR, Okay BULUT, Umut Hatay GOLGE, Gunduz TEZEREN, Hayati OZTURK (TURKEY)
- ACL RECONSTRUCTION – A NEW HAMSTRING TECHNIQUE**  
Milan HANDL (CZECH REPUBLIC)

# Thursday, 8 September

## Club C

08:00 - 09:30	<b>Instructional Course</b> <b>Current Management of Osteoporosis</b> <i>Moderator:</i> Vaclav VYSKOCIL (CZECH REPUBLIC)  <b>OVERVIEW OF CLINICAL PRACTICE: DIAGNOSTIC TECHNIQUES AND TREATMENT ALGORITHMS</b> Vaclav VYSKOCIL (CZECH REPUBLIC)  <b>GLUCOCORTICOID INDUCED OSTEOPOROSIS – CURRENT APPROACH</b> Denisa RUZICKOVA (CZECH REPUBLIC)  <b>SURGICAL TREATMENT OF OSTEOPOROTIC PROXIMAL FEMORAL FRACTURES</b> Zbynek ROZKYDAL, Michal RESKA, Tomas TOMAS (CZECH REPUBLIC)  <b>VERTEBRAL BODY AUGMENTATION USING VERTEBRAL STENT</b> Jiri MATEJKA (CZECH REPUBLIC)  <b>FUTURE OF OSTEOPOROSIS TREATMENT</b> Jaroslav BLAHOS (CZECH REPUBLIC)  <b>TAKE HOME MESSAGE</b> Vaclav VYSKOCIL (CZECH REPUBLIC)
09:30 - 10:00	<i>Coffee break</i>
10:00 - 10:30	<b>Plenary Lecture (in Forum Hall)</b> <b>Frederic PICARD (UNITED KINGDOM)</b>
30656	<b>IS COMPUTER ASSISTED TOTAL KNEE SURGERY MAINSTREAM?</b> Frederic PICARD (UNITED KINGDOM)
10:30 - 12:00	<b>Free Papers</b> <b>Research - Miscellaneous I</b> <i>Moderators:</i> Syed AWAIS (PAKISTAN) & Marko PECINA (CROATIA)  <b>29747 GLUCOSAMINE-SULFATE ON FRACTURE HEALING</b> Ali Akin UGRAS, Ibrahim KAYA, Emrah Riza DEMIRBAS, Ercan CETINUS (TURKEY)  <b>28827 CARTILAGE REGENERATION: THE PHENOTYPE OF CHONDROCYTES IN TGF-<math>\beta</math>1 MODIFIED BOVINE ACHILLES TENDON COLLAGEN SPONGE</b> Chien-Hao CHEN, Chih-Hwa CHEN, Shu-Wen WHU, Chih-Hsiang CHANG, Bo-Nian LIN (TAIWAN)  <b>29209 INTERLEUKIN-1 BETA GENE POLYMORPHISM ASSOCIATED WITH RADIOGRAPHIC KNEE OSTEOARTHRITIS IN CHINESE</b> Chun Hoi YAN, Yiyan QIU, Kwong Yuen CHIU, Fu Yuen NG (HONG KONG)

- 29442 PROSPECTS OF USE OF PREPARATIONS ON THE BASIS OF BLOOD SERUM AS SYNOVIAL MEDIUM FOR MEDICAL CORRECTION TRIBOLOGY JOINTS**  
Vladimir NIKOLAEV, Alexander BELETSKY, S.F. ERMAKOV (BELARUS)
- 28867 ALKAPTONURIC OCHRONOSIS – A REVIEW OF 8 CASES**  
Sandeep KASHYAP, Mukand LAL (INDIA)
- 29641 TNF- $\alpha$  INHIBITS MINERALIZATION BUT NOT OSTEOGENIC DIFFERENTIATION INDUCED BY BMP-2**  
Hui LIU, Zhaomin ZHENG, Kuibo ZHANG, Hua WANG, Hao YANG, Zemin LI (CHINA)
- 29005 TRACTION REGENERATION OF PERIPHERAL NERVES TO TREAT SEGMENTAL DEFECTS**  
Syed AWAIS (PAKISTAN)
- 29670 A NOVEL BIODEGRADABLE INJECTABLE POLYCAPROLACTONE-MAGNESIUM HYBRID FOR ORTHOPAEDIC IMPLANTATION**  
Hoi Man WONG, Kelvin YEUNG, Paul CHU, Keith LUK, Kenneth CHEUNG (HONG KONG)
- 29931 MORPHOLOGICAL ANALYSIS OF SYNOVIAL FLUID IN DIAGNOSIS OF OSTEOARTHRITIS**  
Vadim ZAR, Victor VOLOSHIN, Svetlana SHATOKHINA, Vladimir SHABALIN, Vladimir ZUBIKOV (RUSSIA)

12:00 - 14:00 Industry Symposium

**K-Implant:  
Spirom Femoral Neck Prosthesis**

*Moderators:*

Johannes ZEICHEN (GERMANY) & Nurlan BATPENOV (KAZAKHSTAN)

**THEORETICAL PRESENTATION**

Johannes ZEICHEN<sup>1</sup>, Nurlan BATPENOV<sup>2</sup>  
<sup>1</sup>(GERMANY), <sup>2</sup>(KAZAKHSTAN)

**PRACTICAL EXERCISES OF THE SURGICAL TECHNIQUE ON PLASTIC-BONE**

Johannes ZEICHEN<sup>1</sup>, Nurlan BATPENOV<sup>2</sup>  
<sup>1</sup>(GERMANY), <sup>2</sup>(KAZAKHSTAN)

14:00 - 15:30 Free Papers

**Regenerative Orthopaedics**

*Moderators:*

Johannes REICHERT (GERMANY) & Kelvin YEUNG (HONG KONG)

- 30138 LAMA 4 EXPRESSION IN HUMAN CHONDROCYTES AND REGULATION BY EPIGENETIC MECHANISMS**  
Gerald GRUBER, Florentine FÜRST, Mathias GLEHR, Norbert KASTNER, Patrick SADHOZI, Andreas LEITHNER (AUSTRIA)
- 29198 INTRAOPERATIVE CELL SALVAGE IN PRIMARY HIP ARTHROPLASTY**  
Peter RALTE, Stephen GRANT, Syam MORAPUDI, Peter DENN, Keith BARNES (UNITED KINGDOM)
- 29752 USE OF AUTOLOGOUS DECAL BONE GRAFT IN THE TREATMENT OF NON-UNIONS AND DELAYED-UNIONS OF LONG BONES**  
Ghanshyam Narayan KHARE (INDIA)
- 27449 PLATELET-RICH PLASMA IS MORE EFFECTIVE THAN CORTISONE FOR CHRONIC PLANTAR FASCIITIS**  
Raymond MONTO (UNITED STATES)

- 29518 CHRONIC LATERAL ELBOW EPICONDYLITIS TREATED WITH EITHER PLATELET RICH PLASMA OR AUTOLOGOUS WHOLE BLOOD. A RANDOMIZED CONTROLLED CLINICAL TRIAL**  
Athanasios PAPANIKOLAOU, Christos THANASSAS, George PAPADIMITRIOU, Charalambos CHARALAMBIDES, Ilias PARASKEVOPOULOS (GREECE)
- 27119 A NOVEL METHOD TO TREAT THROMBOANGITIS OBLITERANS BY ILIZAROV RING FIXATOR – A STUDY OF 30 CASES**  
Shreenath KULKARNI, Govind KULKARNI, Ruta KULKARNI, Sunil KULKARNI, Vidisha KULKARNI (INDIA)
- 29051 TREATMENT OF BIG BONE DEFECTS BY FIX AS STRATEGY**  
Nedzad SABIC, Kadrija HARACIC SABIC, Enver SABIC (BOSNIA)
- 15:30 - 16:00 *Coffee break*
- 16:00 - 16:30 **Plenary Lecture (in Meeting Hall I)**  
**Christian GERBER (SWITZERLAND)**  
**PARTIAL ROTATOR CUFF TEARS**  
Christian GERBER (SWITZERLAND)
- 16:30 - 18:00 **Lecture** **Free Papers**  
**Research - Miscellaneous II**  
*Moderators:*  
Marko PECINA (CROATIA) & Haroon Khizir Taqi RAZA (INDIA)
- INTERNAL ARCHITECTURE OF BONES**  
Haroon Khizir Taqi RAZA (INDIA)
- 28327 ANALYSIS OF PERFORMANCE METRICS REPORTING IN PAPERS COMPARING TREATMENTS OR MATERIALS/DEVICES IN FOUR IMPORTANT ORTHOPEDIC JOURNALS FOR THE YEAR 2009**  
Cyril MAUFFREY, Rick BOWLES, David SELIGSON (UNITED STATES)
- 28242 ALBUMIN COATING FOR PREVENTING BACTERIAL BIOFILM FORMATION ON TITANIUM SURFACES**  
Yuehuei AN, Qian KANG, Thomas NIEMEIER, Xiaoyan LIU (UNITED STATES)
- 28131 VALUE OF USING CEMENT SPACERS AND ALLOGRAFTS WITH ANTIBIOTIC FOR THE RECONSTRUCTION OF INFECTED BONE DEFECTS**  
Christian ALLENDE, Julio BAGLIARDELLI, Pablo BRUNO, Damian BUSTOS (ARGENTINA)
- 29132 RELATIONSHIP BETWEEN SAGITTAL BALANCE OF PELVIS AND OSTEOARTHRITIS: PROPOSAL OF A METHOD OF ANALYSIS AND PRELIMINARY RESULTS**  
Radwan HILMI, Eric BERTHONNAUD, Franck PLOTARD, Daniel NOYER (FRANCE)
- 29334 PERIOPERATIVE HIGH VOLUME LOCAL INFILTRATION OF LOCAL ANAESTHETICS, ADRENALINE AND KETOROLAC DOES NOT INCREASE THE INTRA- AND IMMEDIATE POST-OPERATIVE BLOOD LOSS AFTER TOTAL HIP REPLACEMENT. A RANDOMISED CONTROLLED STUDY**  
Banerjee PURNAJYOTI, Chris MCLEAN, Alexander KIDD (UNITED KINGDOM)
- 29465 METASTATIC BONE DISEASE STUDY OF 250 CASES**  
Vijay Kumar KHARIWAL (INDIA)
- 30038 INTERPRETING A HIGH METAL ION RESULTS FOR THE MOM PATIENT**  
Raghavendra SIDAGINAMALE, Jimmy GANDHI, Praveen MEREDDY, David LANGTON, Tom JOYCE, Antoni NARGOL (UNITED KINGDOM)

**26945 BONE FORMATION INDUCED BY GROWTH FACTORS EMBEDDED INTO THE NANOSTRUCTURED PARTICLES**

Sybille FACCA, Carlos MENDOZA-PALOMARES, Florence FIORETTI, Stephanie GOUZOU, Didier MAINARD, Nadia BENKIRANE-JESSEL (FRANCE)

# Thursday, 8 September

## Club D

08:00 - 09:30

### Free Papers

#### International Clubfoot Congress (ICFC) / SICOT: Clubfoot - Basic Science & Clinical Research

*Moderators:*

Nelson CASSIS (MEXICO), Christina GURNETT (UNITED STATES), Ernesto IPPOLITO (ITALY) & Ashok JOHARI (INDIA)

- 29676 THE ROLE OF LEG MUSCLE ATROPHY IN THE PATHOGENESIS OF IDIOPATHIC CONGENITAL CLUBFOOT**  
Vito POTENZA, Fernando DE MAIO, Pasquale FARSETTI, Ernesto IPPOLITO (ITALY)
- 28517 EVIDENCE THAT PITX1 HAPLOINSUFFICIENCY CAUSES CLUBFOOT IN HUMANS AND MICE**  
Christina GURNETT, Matthew DOBBS, David ALVARADO, Kevin MCCALL (UNITED STATES)
- 29614 TREATMENT OF IDIOPATHIC CONGENITAL CLUBFOOT: THE EXPERIENCE OF THE ITALIAN GROUP FOR PROMOTION AND PROTECTION OF PONSETI METHOD (IGPPPM)**  
Ernesto IPPOLITO, Ignazio D'ADDETTA, Pasquale FARSETTI, Cosimo GIGANTE, Sergio MONFORTE, Gaetano PAGNOTTA, Vito PAVONE, Roberto SCHIAVON (ITALY)
- 28502 FAMILIAL ISOLATED CLUBFOOT IS ASSOCIATED WITH RECURRENT CHROMOSOME 17Q23.1Q23.2 MICRRODUPLICATIONS CONTAINING TBX4**  
Christina GURNETT, David ALVARADO, Hyuliya AFEROL, Kevin MCCALL, Jason HUANG, Matthew TECHY, Buchan JILLIAN, Janet CADY, Patrick GONZALES, Matthew DOBBS (UNITED STATES)
- 28498 EXOME SEQUENCING IDENTIFIES MYH3 MUTATION IN FAMILY WITH DISTAL ARTHROGRYPOSIS TYPE I**  
Matthew DOBBS, David ALVARADO, Jillian BUCHAN, Christina GURNETT (UNITED STATES)
- 29155 KINETIC ANALYSIS OF THE HIP JOINT IN CHILDREN WITH IDIOPATHIC CLUBFOOT**  
Mohammed EL-SOBKY, Rania Salah SWILAM, Amira Mohamed EL TOHAMY (EGYPT)
- 28389 PREDICTION OF THE CLUBFOOT PROGNOSIS BY THE RADIOGRAPH AT NEONATE**  
Shinichi SATSUMA, Daisuke KOBAYASHI, Maki KINUGASA (JAPAN)
- 28621 RELIABILITY OF THE DIMEGLIO CLASSIFICATION FOR CLUBFOOT**  
Armando TORRES-GOMEZ, Nelson CASSIS, Gilberto RIOS, Ricardo VELUTINI, Juan-Carlos FALCON (MEXICO)
- 29736 EVALUATION OF THE ACCURACY OF THE I-BUTTON FOR MEASURING PATIENT COMPLIANCE WITH BRACE WEAR IN IDIOPATHIC CLUBFOOT**  
P. Nithin UNNIKRISHNAN, Viju PETER, Harvey L. GEORGE, Jayanth SAMPATH (UNITED KINGDOM)
- 29065 THE ACCESSORY SOLEUS MUSCLE AS A CAUSE OF PERSISTENT EQUINUS IN CLUBFEET TREATED BY THE PONSETI METHOD: A REPORT OF 16 CASES**  
Emad MANSOUR, Waleed KISHTA, Mazen IBRAHIM (KUWAIT)
- 30052 ASSESSMENT OF THE TALO-NAVICULAR JOINT BY ULTRASOUND DURING PONSETI MANAGEMENT OF CLUBFEET**  
Arne JOHANSSON, Ylva AURELL, Paula BERG, Bertil ROMANUS (SWEDEN)
- 29160 CLUBFOOT SEVERITY CHANGES DURING THE FIRST WEEK OF LIFE**  
Nikolay RUMYANTSEV (RUSSIA)

- 30211 ULTRASOUND ASSESSMENT OF CLUBFOOT IN INFANTS**  
Guy GRIMARD, Marie-Claude MIRON, Benoit MORIN, Marie-Andrée CANTIN, Morris DUHAIME (CANADA)
- 09:30 - 10:00 *Coffee break*
- 10:00 - 10:30 **Plenary Lecture (in Forum Hall)**  
**Frederic PICARD (UNITED KINGDOM)**
- 30656 IS COMPUTER ASSISTED TOTAL KNEE SURGERY MAINSTREAM?**  
Frederic PICARD (UNITED KINGDOM)
- 10:30 - 12:00 **Free Papers**  
**International Clubfoot Congress (ICFC) / SICOT:  
International Clubfoot Treatment Programs & Strategies for Managing Difficult Clubfeet**
- Moderators:*  
Shafique PIRANI (CANADA), Armando TORRES (MEXICO), Bobby NG (HONG KONG) & Steve MANNION (UNITED KINGDOM)
- 29114 IMPLEMENTING NATIONAL PONSETI CLUBFOOT PROGRAMS IN UNDER-RESOURCED NATIONS: FACTORS FOR SUCCESS**  
Steve MANNION<sup>1</sup>, John Norgrove PENNY<sup>2</sup>, Rosalind OWEN<sup>1</sup>, Andrew MAYO<sup>3</sup>, Jose MORCUENDE<sup>3</sup>, Christopher LAVY<sup>1</sup>  
<sup>1</sup>(UNITED KINGDOM), <sup>2</sup>(CANADA), <sup>3</sup>(UNITED STATES)
- 29809 PONSETI CLUBFOOT TREATMENT BY ORTHOPAEDIC OFFICERS: PROSPECTIVE COHORT STUDY IN UGANDA**  
Shafique PIRANI<sup>1</sup>, Richard MATHIAS<sup>1</sup>, Edward NADDUMBA<sup>2</sup>  
<sup>1</sup>(CANADA), <sup>2</sup>(UGANDA)
- 30029 LESSONS AND RESULTS FROM THE FIRST THREE YEARS OF THE MALAWI NATIONAL CLUBFOOT PROGRAM**  
Andrew MAYO<sup>1</sup>, John CASHMAN<sup>2</sup>, Harris SAKALA<sup>2</sup>, Linda HANSEN<sup>3</sup>  
<sup>1</sup>(UNITED STATES), <sup>2</sup>(MALAWI), <sup>3</sup>(KENYA)
- 29377 UNDERSTANDING THE BARRIERS FOR EFFECTIVE TREATMENT OF CLUBFOOT BY THE PONSETI METHOD: AN INDIAN PERSPECTIVE**  
Mandar AGASHE, Alaric AROOJIS (INDIA)
- 28944 A MANAGEMENT PROTOCOL TO MINIMIZE THE SURGICAL INTERVENTION IN LATE NEGLECTED CLUBFOOT (ABOVE 5 YEARS)**  
Sandeep SHRIVASTAVA (INDIA)
- 29566 THE UGANDA SUSTAINABLE CLUBFOOT CARE PROJECT (USCCP)**  
Shafique PIRANI<sup>1</sup>, Richard MATHIAS<sup>1</sup>, Edward NADDUMBA<sup>2</sup>  
<sup>1</sup>(CANADA), <sup>2</sup>(UGANDA)
- 28369 TREATMENT OF SEVERE TALIPES EQUINOVARUS IN CHILDREN**  
Irina KLYCHKOVA, Vladimir KENIS, Nadezhda KOVALENKO-KLYCHKOVA, Yulia STEPANOVA (RUSSIA)
- 28943 PREDICTIVE FACTORS OF EARLY RECURRENCE DURING CLUBFOOT TREATMENT WITH THE PONSETI METHOD: DOES TEMPERAMENT MATTER?**  
Joshua HYMAN, Jeanne FRANZONE, Hiroko MATSUMOTO, Daniel MILLER, Margaret WRIGHT, Benjamin ROYE (UNITED STATES)



- 28419 OPTIMAL ASSEMBLY OF SOFTWARE BASED ORTHO-SUV FRAME FOR FOREFOOT COMPLEX DEFORMITY CORRECTION**  
Leonid SOLOMIN<sup>1</sup>, Viktor VILENSKY<sup>1</sup>, Konstantin UKHANOV<sup>1</sup>, Alexandr UTEKHIN<sup>1</sup>, Munetomo TAKATA<sup>2</sup>  
<sup>1</sup>(RUSSIA), <sup>2</sup>(JAPAN)
- 28271 APOS THERAPY FOR MAINTAINING CORRECTION AFTER RECURRENCE OF CLUBFOOT DEFORMITY**  
Avi PANSKI, Ron LAMDAN, Naum SIMANOVSKI (ISRAEL)
- 28191 ASSESSMENT OF CHILDREN WITH CTEV PRE-TIBIALIS ANTERIOR TENDON TRANSFER. DO THEY DIFFER FROM THOSE WHO DON'T REQUIRE A TATT?**  
Kelly GRAY, Paul GIBBONS, David LITTLE, Joshua BURNS (AUSTRALIA)
- 12:00 - 14:00 *Lunch break*
- 14:00 - 15:30 **Free Papers**
- International Clubfoot Congress (ICFC) / SICOT:  
Ponseti Method**
- Moderators:*  
Peter SMITH (UNITED STATES), Hidehiko KAWABATA (JAPAN), Morris DUHAIME (CANADA) & Gamal HOSNY (EGYPT)
- 28534 TIBIALIS ANTERIOR TENDON TRANSFER FOR DEFORMITY CORRECTION IN CLUBFOOT PATIENTS TREATED WITH THE PONSETI METHOD**  
Nelson CASSIS, Gilberto RIOS, Armando TORRES-GOMEZ, Andrea ZEDILLO (MEXICO)
- 29744 THE PONSETI LEARNING CURVE**  
Peter DACOMBE, Jas DAURKA, Stuart EVANS, Alison HULME, Denise WATSON (UNITED KINGDOM)
- 28664 FURTHER ADVANCES OF THE DYNAMIC FUNCTIONAL TREATMENT**  
Verena HALDI-BRÄNDLE (SWITZERLAND)
- 29136 PREDICTING THE NEED FOR ANTERIOR TIBIALIS TENDON TRANSFER IN CLUBFEET TREATED WITH THE PONSETI METHOD**  
Alice CHU, Rachel GOLDSTEIN, Debra SALA, Wallace LEHMAN (UNITED STATES)
- 28897 A PHYSIOTHERAPIST-LED PONSETI SERVICE FOR THE MANAGEMENT OF IDIOPATHIC AND COMPLEX CLUBFOOT DEFORMITY**  
Yael GELFER, Mia DUNKLEY, Deborah JACKSON, Cristina RAFTER, Jen ARMSTRONG, Evette PARNELL, Deborah EASTWOOD (UNITED KINGDOM)
- 28730 VULPIUS PROCEDURE FOR CORRECTION OF EQUINUS DEFORMITY IN PATIENTS WITH RESIDUAL OR RELAPSED CLUBFOOT**  
Soo-Sung PARK<sup>1</sup>, Sang-Ho HAN<sup>1</sup>, Jin Woong PARK<sup>1</sup>, Maria Josephine PERALTA<sup>2</sup>  
<sup>1</sup>(SOUTH KOREA), <sup>2</sup>(PHILIPPINES)
- 28378 CAN SOFT CAST BE AN ALTERNATIVE MATERIAL IN PONSETI CLUBFOOT TREATMENT?**  
Chien-Chung KUO, Ken N. KUO, Horng-Chaung HSU, Tung-Wu LU (TAIWAN)
- 28332 RESULTS OF AN EFFECTIVE HUB AND SPOKE MODEL FOR TREATMENT OF CLUBFOOT**  
Nikolas JAGODZINSKI, Noel FISHER, Louise BRYAN, Hari PREM (UNITED KINGDOM)
- 27393 MANAGEMENT OF IDIOPATHIC CLUBFOOT BY PONSETI TECHNIQUE: OUR EXPERIENCE AT A TERTIARY REFERRAL CENTRE**  
Kamal BALI, Aditya MOOTHA, Pebam SUDESH (INDIA)

- 30114 THE ROLE OF ULTRASOUND IN CLUBFOOT TREATMENT. CORRELATION WITH THE PIRANI SCORE AND ASSESSMENT OF THE PONSETI METHOD**  
Khaled Loutfy EL-ADWAR, Hesham Taha KOTB (EGYPT)
- 29997 USE OF DYNAMIC VS STATIC ABDUCTION BARS WITH MITCHELL SHOES**  
Shawn GILBERT, David CHONG (UNITED STATES)
- 15:30 - 16:00 *Coffee break*
- 16:00 - 16:30 **Plenary Lecture (in Meeting Hall I)**  
**Christian GERBER (SWITZERLAND)**  
**PARTIAL ROTATOR CUFF TEARS**  
Christian GERBER (SWITZERLAND)
- 16:30 - 18:00 **Free Papers**  
**International Clubfoot Congress (ICFC) / SICOT:**  
**Long-Term Follow-Up Studies & Surgical Intervention**  
*Moderators:*  
Franz GRILL (AUSTRIA), Saw AIK (MALAYSIA), Alain DIMEGLIO (FRANCE) & Nikolay RUMYANTSEV (RUSSIA)
- 29123 REVISION CLUBFOOT SURGERY WITH CALCANEOCUBOID FUSION: RESULTS AT LONG-TERM FOLLOW-UP**  
Wallace LEHMAN<sup>1</sup>, Sonia CHAUDHRY<sup>1</sup>, Alice CHU<sup>1</sup>, Dan ATAR<sup>2</sup>, Debra SALA<sup>1</sup>  
<sup>1</sup>(UNITED STATES), <sup>2</sup>(ISRAEL)
- 27736 PROGRESSIVE SOFT TISSUE RELEASE PROCEDURE FOR IDIOPATHIC CLUBFOOT: 10-YEAR FOLLOW-UP**  
Noppachart LIMPAPHAYOM, Pairatch PRASONGCHIN (THAILAND)
- 28334 LONG-TERM OUTCOMES OF COMPREHENSIVE SURGICAL INTERVENTION VS. PONSETI CASTING IN THE TREATMENT OF IDIOPATHIC CLUBFOOT**  
Ken N. KUO<sup>1</sup>, Adam GRAF<sup>2</sup>, Sahar HASSANI<sup>2</sup>, Joseph KRZAK<sup>2</sup>, Angela CAUDILL<sup>2</sup>, Jason LONG<sup>2</sup>, Fredrick DIETZ<sup>2</sup>, Jose MORCUENDE<sup>2</sup>, Gerald HARRIS<sup>2</sup>, Peter SMITH<sup>2</sup>  
<sup>1</sup>(TAIWAN), <sup>2</sup>(UNITED STATES)
- 30321 RESULTS OF TREATMENT OF CLUBFOOT BY THE PONSETI METHOD: 10 YEARS FOLLOW-UP**  
Luiz Carlos LARA (BRAZIL)
- 28799 SHORT-TERM CLINICAL RESULTS AFTER THE TREATMENT OF IDIOPATHIC CLUBFOOT – COMPARISON OF PONSETI METHOD AND COMPLETE SUBTALAR RELEASE**  
Takeshi KINJO, Masako GOTO, Taichi IRIE, Yoichi KOIKE, Itaru IMAMURA, Masahiro ONUMA, Masamizu OYAMA, Hirotaka SANO, Atsushi KITA (JAPAN)
- 29025 IS MEASURING THE LENGTH OF THE FOOT A USEFUL TOOL IN THE CLUBFOOT FOLLOW-UP?**  
Evgenia MANOUSAKI, Hanneke ANDRIESSE, Gunnar HÄGGLUND, Philippe WAGNER (SWEDEN)
- 30021 IS JESS EXTERNAL FIXATION USEFUL IN TREATING CLUBFOOT?**  
Ram PRABHOO (INDIA)
- 29849 FROM CONVENTIONAL ILIZAROV TREATMENT TO PONSI TAYLOR EXPERIENCES IN CLUBFOOT TREATMENT USING EXTERNAL FIXATION**  
Franz GRILL, Rudolf GANGER, Christof RADLER, Albert HANDLBAUER (AUSTRIA)

# Thursday, 8 September

## Club E

08:00 - 09:30	<b>Instructional Course</b> <b>Role of Pelvic Osteotomy in Early OA</b> <i>Moderator:</i> Jaroslaw CZUBAK (POLAND)  <b>OA IN DYSPLASTIC HIP – PATHOBIOLOGY, LIMITS OF TREATMENT</b> Guido GRAPPIOLO (ITALY)  <b>PRINCIPLES OF PERIACETABULAR OSTEOTOMY IN THE HIP OA TREATMENT – WHY AND HOW I DO IT</b> Jaroslaw CZUBAK (POLAND)  <b>EVOLUTION IN THE TECHNIQUE OF PERIACETABULAR OSTEOTOMY</b> Kjeld SOBALLE (DENMARK)  <b>PERIACETABULAR OSTEOTOMY IN EARLY OA – LONG FOLLOW-UP</b> Klaus SIEBENROCK (SWITZERLAND)  <b>PERSPECTIVES OF PAO FROM LONG-TERM BOSTON EXPERIENCE</b> Michael MILLIS (UNITED STATES)
09:30 - 10:00	<i>Coffee break</i>
10:00 - 10:30	<b>Plenary Lecture (in Forum Hall)</b> <b>Frederic PICARD (UNITED KINGDOM)</b>
30656	<b>IS COMPUTER ASSISTED TOTAL KNEE SURGERY MAINSTREAM?</b> Frederic PICARD (UNITED KINGDOM)
10:30 - 12:00	<b>Symposium</b> <b>How to Write &amp; Publish a Paper</b> <i>Moderator:</i> Frank HORAN (UNITED KINGDOM)  <b>HOW TO WRITE A PAPER</b> Frank HORAN (UNITED KINGDOM)  <b>HOW TO EVALUATE A PAPER</b> James SCOTT (UNITED KINGDOM)  <b>EVALUATING DIFFERENT TYPES OF PAPERS IN ORTHOPAEDIC LITERATURE</b> Marius SCARLAT (FRANCE)  <b>INTERNATIONAL ORTHOPAEDICS – TODAY</b> Marko PECINA (CROATIA)  <b>QUESTIONS AND ANSWERS</b>
12:00 - 14:00	<i>Lunch break</i>

14:00 - 15:30

Free Papers

Spine - Deformities I

*Moderators:*

Mohammad EL-SHARKAWI (EGYPT) & Martin REPKO (CZECH REPUBLIC)

- 28121 PREVENTION OF PROGRESSION OF ADOLESCENT IDIOPATHIC SCOLIOSIS WITH THE NIGHT TIME BENDING BRACE IN A DEVELOPING COUNTRY**  
Luigi Andrew SABAL (PHILIPPINES)
- 29318 SURGERY FOR SEVERE CAMPTOCORMIA IN PARKINSON'S DISEASE**  
Dharmendra SINGH, Cody BÜNGER, Ebbe Stender HANSEN (DENMARK)
- 29158 BENEFIT OF PERIOPERATIVE CELL SALVAGE SYSTEM FOR POSTERIOR SPINAL FUSION IN ADOLESCENT IDIOPATHIC SCOLIOSIS**  
Erbil OGUZ, Serkan BILGIC, Omer ERSEN, Kenan KOCA, Ali SEHIRLIOGLU (TURKEY)
- 28640 THE USE OF SOMATOSENSORY EVOKED POTENTIAL (SSEP) MONITORING IN THE PREVENTION OF NEUROLOGICAL INJURY IN SPINAL SURGERY: A 5-YEAR REVIEW OF TIMING AND RESPONSE TO AN ABNORMAL TRACE**  
Ivor VANHEGAN, Gemma CANNON, Syed KABIR, Joseph COWAN, Adrian CASEY (UNITED KINGDOM)
- 27455 BIOMECHANICAL GROUNDING FOR MINI-INVASIVE TECHNOLOGY OF SPINAL OSTEOSYNTHESIS FOR MANAGEMENT OF PATIENTS WITH SCOLIOSIS**  
Oksana PRUDNIKOVA (RUSSIA)
- 28182 THE APPLICATION OF SELECTIVE SCREW INSERTION AND CORRECTION ON THE CONVEX SIDE IN THE TREATMENT OF SCOLIOSIS**  
Yan-Ping ZHENG, Xin-Yu LIU, Suo-Mao YUAN (CHINA)
- 30048 HIGHER DEGREES OF CURVE CORRECTION CORRELATE WITH WORSENER SAGITTAL BALANCE**  
David ROYE, Jaime GOMEZ, Michael VITALE, Hiroko MATSUMOTO, Nicholas COLACCHIO, John EMANS, Stephens RICHARDS, Daniel SUCATO, Mark ERICKSON, James SANDERS, Lawrence LENKE, Joshua HYMAN (UNITED STATES)
- 29827 THE INFLUENCE OF BRACE TREATMENT ON THE PULMONARY FUNCTION TEST IN ADOLESCENT IDIOPATHIC SCOLIOSIS**  
Jianguo ZHANG, Bin YU, Jianxiong SHEN, Yipeng WANG, Guixing QIU (CHINA)
- 29603 SPONTANEOUS DEROTATION OF THE LUMBAR CURVES DURING THORACIC CURVE CORRECTION AND COMPLEX GEOMETRIC SPINAL TORSION IN AIS**  
Martin REPKO, Richard CHALOUPKA, Martin KRBEC (CZECH REPUBLIC)
- 29268 CORRECTION OF SEVERE NEGLECTED CONGENITAL SPINAL DEFORMITIES ASSOCIATED WITH INTRASPINAL ANOMALIES**  
Mohammad EL-SHARKAWI, Wael KOPTAN, Yasser ELMILIGUI, Fady SHAFIK (EGYPT)
- 27508 PROPERTIES OF SENSITIVITY AND MOTOR RESTORATION AFTER PERCUTANEOUS ENDOSCOPIC REMOVAL OF SPINAL DISC HERNIATION IN PATIENTS WITH LUMBAR OSTEOCHONDROSIS**  
Oxana PRUDNIKOVA, Elena SHCHUROVA, Oleg KULIKOV (RUSSIA)

15:30 - 16:00

*Coffee break*

16:00 - 16:30 **Plenary Lecture (in Meeting Hall I)**  
**Christian GERBER (SWITZERLAND)**

**PARTIAL ROTATOR CUFF TEARS**  
Christian GERBER (SWITZERLAND)

16:30 - 18:00 **Lecture** **Free Papers**  
**Spine - Complications in Spine Surgery**

*Moderators:*  
Dariush GOURAN SAVADKOOHI (IRAN) & Rune HEDLUND (SWEDEN)

**ADJACENT SEGMENT DISORDER, MYTH OR REALITY?**  
Rune HEDLUND (SWEDEN)

- 27141 REDUCTION OF THE DOSE OF IONISING RADIATION IN NAVIGATED TRANSPEDICULAR SCREW PLACEMENT**  
Radek HART, Martin KOMZAK, Frantisek OKAL (CZECH REPUBLIC)
- 29585 CAUSES OF MALPOSITION OF CERVICAL PEDICLE SCREWS INSERTED WITH INTRAOPERATIVE 3D-IMAGE BASED NAVIGATION**  
Yoshimoto ISHIKAWA, Tokumi KANEMURA, Kotaro SATAKE, Akiyuki MATSUMOTO (JAPAN)
- 28976 HOW TO INCREASE THE ACCURACY OF CERVICAL PEDICLE SCREW PLACEMENT – ANALYSIS OF CONSECUTIVE 100 CERVICAL TRAUMA CASES TREATED BY A SAME SURGEON**  
Kota SUDA, Hiroshi TANEICHI, Tomomichi KAJINO, Hiroshi MORIDAIRA, Satoko MATSUMOTO, Seiji IIMOTO, Haruki UEDA, Yasuaki TOJO, Terufumi KOKABU, Yaoki NAKAO, Tomohiro SHIMIZU (JAPAN)
- 28494 PEDICLE SCREW PLACEMENT WITH O-ARM AND STEALTH NAVIGATION**  
Evalina BURGER, Suresh PATIL, Emily LINDLEY, Vikas PATEL (UNITED STATES)
- 29848 EVALUATION OF THE PULMONARY COMPLICATIONS OF CONCAVE RIB OSTEOTOMIES IN SCOLIOTIC PATIENTS WITH RIGID CURVES IN SINA HOSPITAL 2001-2003**  
Dariush GOURAN SAVADKOOHI, Hooman BAKHSHI, Mir Mostafa SADAT, Zahra MEYGHANI, Mir Mostafa SADAT (IRAN)
- 30063 DO WE NEED TO KNOW SACRAL HIATUS ANATOMY FOR SUCCESSFUL CAUDAL EPIDURAL BLOCK?**  
Aditya AGGARWAL, A. AGGARWAL, D. SAHNI, K. HARJIT (INDIA)
- 27411 EFFECT OF INTRAMUSCULAR INJECTION OF BOTULINUM**  
Zabihalla HASSANZADEH<sup>1</sup>, Hosein KHATIBI<sup>1</sup>, Aziz ABBASPOUR<sup>2</sup>  
<sup>1</sup>(IRAN), <sup>2</sup>(IRAQ)
- 30209 TREND OVER TIME AND FACTORS INFLUENCING BLOOD LOSS DURING POSTERIOR SPINAL FUSION IN AIS**  
Guy GRIMARD, Julie JONCAS, Martin FORCIER, Marjolaine ROY-BEAUDRY, Stefan PARENT, Hubert LABELLE, Benoit POITRAS, Morris DUHAIME (CANADA)

# Thursday, 8 September

## Club H

08:00 - 11:00

### Instructional Course

**Association for the Rational Treatment of Fractures (ARTOF) - Trauma:  
Distal Radius Fractures - Hands-on Volar Plating / Plaster Cast**

*Moderator:*

Peter BIBERTHALER (GERMANY)

### Theoretical Module

#### **DIAGNOSTIC OF DRF**

Michael ROBINSON (UNITED KINGDOM)

#### **INDICATIONS FOR CONSERVATIVE TREATMENT**

James WADDELL (CANADA)

#### **INDICATION FOR SURGICAL THERAPY**

Martin LUCKE (GERMANY)

#### **PRO & CONTRA: ARTHROSCOPICALLY SUPPORTED SURGERY**

Steffen RUCHHOLTZ (GERMANY)

### Practical Module

#### **PRACTICAL TEACHING: HOW TO PUT A PLASTER CAST ON** *Supported by BSN*

Steffen RUCHHOLTZ<sup>1</sup>, Andreas RUECKER<sup>1</sup>, Philipp AHRENS<sup>1</sup>, James WADDELL<sup>2</sup>, Martin LUCKE<sup>1</sup>,  
Michael ROBINSON<sup>3</sup>, Volker BRAUNSTEIN<sup>4</sup>  
<sup>1</sup>(GERMANY), <sup>2</sup>(CANADA), <sup>3</sup>(UNITED KINGDOM), <sup>4</sup>(AUSTRIA)

#### **SAW BONE WORKSHOP: VOLAR PLATING USING ANKLE STABLE DEVICES** *Supported by Synthes*

Steffen RUCHHOLTZ<sup>1</sup>, Andreas RUECKER<sup>1</sup>, Philipp AHRENS<sup>1</sup>, James WADDELL<sup>2</sup>, Martin LUCKE<sup>1</sup>,  
Michael ROBINSON<sup>3</sup>, Volker BRAUNSTEIN<sup>4</sup>  
<sup>1</sup>(GERMANY), <sup>2</sup>(CANADA), <sup>3</sup>(UNITED KINGDOM), <sup>4</sup>(AUSTRIA)

11:00 - 12:00

*Coffee break*

12:00 - 14:00

### Industry Symposium

#### **Aesculap:**

**Targon® PFT / Targon® FN: Head Preserving Hip Fracture Management**

*Moderator:*

Martyn PARKER (UNITED KINGDOM)

#### **TARGON® PFT / TARGON® FN: HEAD PRESERVING HIP FRACTURE MANAGEMENT**

Martyn PARKER (UNITED KINGDOM)

14:00 - 15:30

Free Papers

Knee - Blood Loss Control

*Moderators:*

Philippe DELINCE (BELGIUM) & Karl KNAHR (AUSTRIA)

- 28833 BLOOD SAVING TECHNIQUES DURING PRIMARY TOTAL KNEE REPLACEMENT**  
Michalis PANTELI, Peter DOMOS, Tanuja RUDRA, Willem SHENK, Andrew DUNN (UNITED KINGDOM)
- 28225 A COMPARATIVE STUDY OF USE OF TOPICAL VERSUS INTRAVENOUS TRANEXAMIC ACID FOR MINIMIZING BLOOD LOSS IN CARDIAC PATIENTS UNDERGOING TOTAL KNEE ARTHROPLASTY**  
Tanveer Singh BHUTANI, Harpreet Singh GILL, Harmandeep Singh PAWAR (INDIA)
- 29922 THE COMPARISON OF AMOUNT OF BLOOD FROM WOUND DRAINAGE AFTER TKA BETWEEN POSTOPERATIVE CAST IMMOBILIZATION AND NON IMMOBILIZATION. A RANDOMIZED CONTROLLED TRIAL**  
Saran TANTAVISUT, Vajara WILAIRATANA, Yongsak WANGROONGSUB, Srihatach NGARMUKOS, Pongsak YUKTANANDANA, Aree TANAVALEE (THAILAND)
- 29115 THE EFFECTS OF PRE AND POST-OPERATIVE HAEMOGLOBIN ON TRANSFUSION REQUIREMENTS AND LENGTH OF STAY IN PATIENTS UNDERGOING A TOTAL KNEE REPLACEMENT**  
Shruti RAUT, Stephan MERTES, Vikas KHANDUJA (UNITED KINGDOM)
- 28533 POSTOPERATIVE BLOOD LOSS REDUCTION IN COMPUTER-ASSISTED SURGERY TOTAL KNEE REPLACEMENT BY INTRA-ARTICULAR TRANEXAMIC ACID INJECTION TOGETHER WITH 2-HOUR CLAMP DRAIN: A PROSPECTIVE TRIPLE-BLINDED RANDOMIZED CONTROLLED TRIAL**  
Thanaphot CHANNOOM, Paphon SA-NGASOONGSONG, Viroj KAWINWONGGOWIT, Patarawan WORATANARAT, Pongsthorn CHANPLAKORN, Bussanee WIBULPOLPRASERT, Siwadol WONGSAK, Umaporn UDOMSUBPAYAKUL, Supaporn WECHMONGKOLGORN (THAILAND)
- 29372 THE PERCENTAGE OF POLYMORPHONUCLEAR CELLS (PPMNC) IN SYNOVIAL FLUID SUSPICIOUS FOR PROSTHETIC JOINT INFECTION (PJI) CAN PREDICT REVISION SURGERY AFTER TOTAL KNEE REPLACEMENT (TKR) IN EARLY POSTOPERATIVE STAGE**  
Byungho LEE<sup>1</sup>, Ki-Hyun JO<sup>1</sup>, Nong Kyoum AHN<sup>1</sup>, Il Seok PARK<sup>1</sup>, Hong-Sub LIM<sup>1</sup>, Su Chan LEE<sup>2</sup>  
<sup>1</sup>(SOUTH KOREA), <sup>2</sup>(NORTH KOREA)
- 29169 BIOTRANX: A BIOMECHANICAL STUDY OF THE EFFECT OF TOPICAL TRANEXAMIC ACID ON ARTIFICIAL JOINTS**  
Praveen SHARDA, T. LOU, Martin STANLEY, Tony UNSWORTH (UNITED KINGDOM)
- 29164 A RANDOMISED CONTROLLED TRIAL OF THE TOPICAL TRANEXAMIC ACID IN TOTAL HIP REPLACEMENT**  
Praveen SHARDA, Manesh VAGHELA, Anup SHETTY, Antoni NARGOL, Sattar ALSHRYDA (UNITED KINGDOM)
- 28835 IS ROUTINE USE OF ANTICOAGULANT CHEMOPROPHYLAXIS IN JOINT REPLACEMENT ARTHROPLASTY JUSTIFIED: A CLINICAL STUDY**  
Chandra Shekhar YADAV, Ashok KUMAR, Sameer NARANJE, Shah KHAN, Shishir RASTOGI (INDIA)
- 28843 CLINICAL EFFICACY AND SAFETY OF CONTINUOUS INTRA-ARTICULAR LEVOBUPIVACAINE INFUSION FOLLOWING KNEE ARTHROPLASTY**  
Michalis PANTELI, Ziad DAHABREH, Karen NIBLOCK, Francis HOWELL (UNITED KINGDOM)

15:30 - 16:00

*Coffee break*

16:00 - 16:30 Plenary Lecture (in Meeting Hall I)

**Christian GERBER (SWITZERLAND)**

**PARTIAL ROTATOR CUFF TEARS**

Christian GERBER (SWITZERLAND)

16:30 - 18:00 Free Papers

**Osteoporosis**

*Moderators:*

Patrick HAENTJENS (BELGIUM) & Farouk OSAMA (EGYPT)

**28094 EFFECTS OF STRONTIUM RANELATE OR BISPHOSPHONATE TREATMENT ON FRACTURE RISK IN WOMEN AGED 80 AND OLDER: META-ANALYSIS**

Patrick HAENTJENS, Brigitte VELKENIERS, Dirk VANDERSCHUEREN, Steven BOONEN (BELGIUM)

**29303 X-RAY ABSORPTIOMETRY INDEXES FOR WOMEN IN POSTMENOPAUSAL PERIOD WITH OSTEOPOROTICAL FRACTURES**

Vladyslav POVOROZNYUK, Mashtaler TARAS, Mashtaler ROMAN (UKRAINE)

**27888 TIMING FOR ADMINISTRATION OF BISPHOSPHONATE (RISEDRONATE) AFTER THE OPERATION ON PATIENTS WITH HIP FRACTURE AND OSTEOPOROSIS**

Tae-Young KIM (SOUTH KOREA)

**28553 COMPARISON BETWEEN SINGH'S INDEX AND PHALANGEAL BMD IN PATIENTS OF FRACTURE PROXIMAL FEMUR WITH REFERENCE TO OSTEOPOROSIS**

Kisan PATOND (INDIA)

**27266 DISTRIBUTION OF ATYPICAL FRACTURES AND CORTICAL STRESS LESIONS ASSOCIATED WITH BISPHOSPHONATE THERAPY**

Joyce KOH, Seo Kiat GOH, Meng Ai PNG, Alvin NG, Tet Sen HOWE (SINGAPORE)

**29298 VITAMIN D-DEFICIENCY AND INSUFFICIENCY IN UKRAINIAN POPULATION**

Vladyslav POVOROZNYUK, Nataliya BALATSKA, Victor MUTS, Olena VDOVINA (UKRAINE)

**30084 COMBINED PUBIC RAMI AND SACRAL OSTEOPOROTIC FRACTURES**

Mustafa ALNAIB, Yusif SHANSHAL, Deary KADER (UNITED KINGDOM)

**28417 EFFECT OF "BIVALOS" THERAPY ON LOWER LEG LENGTHENING IN RABBITS AT PRESENCE OF BONE OSTEOPOROSIS**

Leonid SOLOMIN, Georgy NETILKO, Alla USIKOVA, Vladimir POPOV, Andrej LOZDOVSKY, Aleksej BOZHKO (RUSSIA)



## Friday, 9 September

	Forum Hall	Meeting Hall I	Meeting Hall IV	Meeting Hall V	Panorama Hall	Terrace I
08:00-09:30	Lecture & Free Papers <b>Hip</b> Metal-on-Metal Bearing	Lecture & Free Papers <b>Trauma</b> Shoulder	Lecture & Free Papers <b>Knee</b> Soft Tissue	BEST PAPERS	Symposium Paediatric Trauma	Free Papers <b>Spine</b> Deformities II
09:30-10:00	<i>Coffee break</i>					
10:00-11:30	Lecture & Free Papers <b>Hip</b> Revision	<b>ESSSE/SICOT</b> Lecture & Free Papers <b>Shoulder IV</b>	Free Papers <b>Knee</b> Infection & Revision	Lecture & Free Papers <b>Hip</b> Osteotomy	Free Papers <b>Spine</b> Lumbar	Lecture & Free Papers <b>Trauma</b> Soft Tissue & Miscellaneous
11:30-12:30					Closing Ceremony	

	Club A	Club B	Club C	Club D	Club E	Club H
08:00-09:30	Instructional Course TKR Balancing	Instructional Course Musculoske- letal Tumours in Children: Evaluation & Treatment 2011	Free Papers Miscellaneous I	Instructional Course Strategy of Orthopaedic Treatment in Cerebral Palsy Patients	Free Papers <b>Trauma</b> Proximal Femur II	Instructional Course Clubfoot Treatment: Evaluation of Ponseti Method
09:30-10:00	<i>Coffee break</i>					
10:00-11:30	Free Papers <b>Sports</b> <b>Traumatology</b> Cartilage	Symposium Ultrasound in Orthopaedics	Free Papers Miscellaneous II	<b>WOC</b> Symposium Infections	Lecture & Free Papers <b>Arthroplasty</b> Hemi- arthroplasty	Free Papers <b>Foot &amp; Ankle</b> Miscellaneous III
11:30-12:30						

# Friday, 9 September

## Forum Hall

08:00 - 09:30

Lecture

Free Papers

### Hip - Metal-on-Metal Bearing

*Moderators:*

Adolph LOMBARDI (UNITED STATES) & William MALONEY (UNITED STATES)

#### PROBLEMS WITH METAL-METAL BEARINGS IN TOTAL HIP REPLACEMENT

William MALONEY (UNITED STATES)

- 28804 NINE-YEAR CLINICAL EXPERIENCE WITH METAL-ON-METAL HIP RESURFACING**  
Riccardo ORSINI, Antonio MORONI, Martha HOQUE, Rajesh RAJULE, Giovanni MICERA (ITALY)
- 29552 EARLY RESULTS OF TREATMENT OF ADVERSE REACTION TO METAL DEBRIS**  
Praveen MEREDDY, Raghavendra SIDAGINAMALE, Jimmy GANDHI, David LANGTON, Rajanikanth LOGISHETTY, Nicholas COOKE, Antoni NARGOL (UNITED KINGDOM)
- 28157 ACCURACY, SENSITIVITY, SPECIFICITY AND PREDICTOR VALUE OF SERUM METAL IONS FOR DIAGNOSIS OF ARMD IN MOM HIP**  
Amanda KING, Ibrahim MALEK, Narendra RATH, Hemant SHARMA, Alun JOHN (UNITED KINGDOM)
- 28443 OSTEOLYSIS AFTER CONTEMPORARY METAL-ON-METAL TOTAL HIP ARTHROPLASTY**  
Sang-Min KIM, Youn-Soo PARK, Young-Wan MOON, Seung-Jae LIM, Hyun-Seok YIM, Jae-Woo Shim SHIM (SOUTH KOREA)
- 28933 METAL ON METAL HIPS AND ADVERSE REACTION TO METAL DEBRIS, READING EXPERIENCE**  
Sitthu THIAGARAJ, Shawn TAVARES (UNITED KINGDOM)
- 29617 ULTRASOUND FEATURES OF ADVERSE REACTION FOLLOWING METAL ON METAL HIP REPLACEMENT: A CASE CONTROL STUDY**  
Kiran SINGISETTI, Praveen MEREDDY, David LANGTON, P.P.J. RAJU, Antoni NARGOL (UNITED KINGDOM)
- 29557 POOR PROGNOSTIC INDICATORS OF ADVERSE REACTION TO METAL DEBRIS OUTCOMES IN METAL-ON-METAL HIPS**  
Praveen MEREDDY, Jimmy GANDHI, Raghavendra SIDAGINAMALE, David LANGTON, Nicholas COOKE, Chris TULLOCH, Antoni NARGOL (UNITED KINGDOM)
- 30025 EARLY FAILURE OF THE 36MM MOM PINNACLE TOTAL HIP ARTHROPLASTY**  
Raghavendra SIDAGINAMALE, Jimmy GANDHI, Praveen MEREDDY, David LANGTON, Tom JOYCE, Rajnikanth LOGISHETTY, Chris TULLOCH, Antoni NARGOL (UNITED KINGDOM)
- 27886 METAL ION LEVELS IN METAL-ON-METAL TOTAL HIP ARTHROPLASTY WITH LARGE-DIAMETER HEAD**  
Masahiro HASEGAWA, Kakunoshin YOSHIDA, Hiroki WAKABAYASHI, Akihiro SUDO (JAPAN)

09:30 - 10:00

*Coffee break*

## Hip - Revision

*Moderators:*

Maurice HINSENKAMP (BELGIUM) &amp; Carsten PERKA (GERMANY)

- 28136 FEMORAL REVISION WITH IMPACTION GRAFTING WITH THE UNCEMENTED MRP-TITAN REVISION STEM: RESULTS OF A PROSPECTIVE CONTROLLED STUDY OF 243 PATIENTS**  
Matthias WIMMER, Dieter WIRTZ, Moritz DEML, Nadine KRASKA, Rudolf ASCHERL, Raimund FORST, Ulrich NÖTH, Philipp BERDEL, Oliver WEBER, Sascha GRAVIUS (GERMANY)
- 28718 REVISION AND RE-OPERATION AT ONE YEAR IN AN RCT OF LARGE ARTICULATIONS IN TOTAL HIP REPLACEMENT**  
Oksana HOLUBOWYCZ, Donald HOWIE, Bogdan SOLOMON (AUSTRALIA)
- 28386 PROXIMAL FEMORAL ALLOGRAFT-PROSTHESIS COMPOSITES WITH CEMENTLESS DISTAL INTERLOCKING STEM IN REVISION TOTAL HIP REPLACEMENT**  
Katsufumi UCHIYAMA, Naonobu TAKAHIRA, Kensuke FUKUSHIMA, Takeaki YAMAMOTO, Mitsutoshi MORIYA, Tadashi KAWAMURA, Rina SAKAI, Moritoshi ITOMAN, Masashi TAKASO (JAPAN)
- 29031 REVISION TOTAL HIP ARTHROPLASTY WITH SEVERE PROXIMAL BONE LOSS**  
Borislav DULIC, Aleksandar TODOROVIC, Cedomir VUCETIC, Goran TULIC, Sanja TOMANOVIC, Aleksandar DJURDJEVIC, Radan MILOVANCEVIC, Marko KADIJA (SERBIA)
- 28454 ACETABULAR RE-REVISION OF FAILED REVISION TOTAL HIP ARTHROPLASTY**  
Sang-Min KIM, Youn-Soo PARK, Young-Wan MOON, Seung-Jae LIM, Hyun-Seok YIM, Jae-Woo SHIM (SOUTH KOREA)
- 29523 TWO-YEAR OUTCOME FOLLOWING THE USE OF TRABECULAR METAL SHELL IN THE TREATMENT OF SEVERE ACETABULAR BONE DEFICIENCY**  
Sandesh GULHANE, Sheik HUSSAIN, A. AUGUSTINE, Lynn HOREY, S. PATIL, R.M.D. MEEK (UNITED KINGDOM)
- 28353 THE UNCEMENTED CANNULATED CANNULOK REVISION PROSTHESIS: DO WE KNOW ENOUGH ABOUT IT?**  
Henry BUDD, Chris LAWRENCE, James WIMHURST, Nader REHMATULLAH, Chris MARTIN (UNITED KINGDOM)
- 29505 REVISION TOTAL HIP REPLACEMENT USING FULLY COATED DISTALLY LOCKED LONG STEM**  
Mohamed AWAD, Nehad EL MAHBOUB, Ahmed GALAL, Waleed ARAFAT (EGYPT)
- 28446 IS EXTENDED TROCHANTERIC OSTEOTOMY SAFE FOR USE IN 2-STAGE REVISION OF PERIPROSTHETIC HIP INFECTION?**  
Sang-Min KIM, Youn-Soo PARK, Young-Wan MOON, Seung-Jae LIM, Jae-Woo SHIM, Hyun-Seok YIM (SOUTH KOREA)
- 28516 INTRAOPERATIVE FEMORAL FRACTURES IN REVISION TOTAL HIP REPLACEMENT: WHOM CAN WE BLAME?**  
Ayman EBIED, Sameh MARIE (EGYPT)

# Friday, 9 September

## Meeting Hall I

08:00 - 09:30

Lecture

Free Papers

### Trauma - Shoulder

*Moderators:*

José Sérgio FRANCO (BRAZIL) & Pierre HOFFMEYER (SWITZERLAND)

#### COMPLEX FRACTURES OF THE PROXIMAL HUMERUS

José Sérgio FRANCO (BRAZIL)

- 28837** **ENDOSCOPIC STABILIZATION OF ACUTE ACROMIOCLAVICULAR JOINT DISLOCATION USING A SYNTHETIC LIGAMENT. RESULTS AFTER A MINIMUM OF 12 MONTHS**  
Patrick BOYER, Gilles COHEN, Guy MYLLE, Ferjani BEN HAMIDA, Philippe MASSIN, Philippe HARDY (FRANCE)
- 28852** **VARIABILITY IN CLAVICLE FRACTURES DISPLACEMENT ACCORDING TO PATIENT POSITIONING DURING RADIOLOGIC EVALUATION**  
Christian ALLENDE, Damian BUSTOS, Pablo BRUNO (ARGENTINA)
- 28355** **OPEN REDUCTION INTERNAL FIXATION OF MIDSHAFT CLAVICLE FRACTURES AUGMENTED WITH AUTOGENOUS BONE GRAFT VERSUS BIORESORBABLE CALCIUM PHOSPHATE: A COMPARATIVE STUDY**  
Cyril MAUFFREY, Joe GREEN, Travis CLEGG, David SELIGSON (UNITED STATES)
- 28902** **LOCKING PLATE OSTEOSYNTHESIS OF CLAVICLE NON-UNION**  
Richard STANGL, Matko DEZULOVIC (GERMANY)
- 29923** **ACROMIOCLAVICULAR JOINT REDUCTION AND RECONSTRUCTION USING SUTURE ANCHOR AND ENDOBUTTON: A MODIFIED SURGICAL TECHNIQUE**  
Sumit BANERJEE, H.L. NAG (INDIA)
- 29700** **PLATING FOR FRACTURE CLAVICLE: IS IT ESSENTIAL TO PRESERVE THE SUPRACLAVICULAR NERVES?**  
Ghanshyam Narayan KHARE (INDIA)
- 27392** **DISPLACED PROXIMAL HUMERAL FRACTURES: AN INDIAN EXPERIENCE WITH LOCKING PLATE**  
Kamal BALI, Sameer AGGARWAL (INDIA)

09:30 - 10:00

*Coffee break*

10:00 - 11:30

Lecture

Free Papers

### European Society for Surgery of the Shoulder and the Elbow (ESSSE) / SICOT: Shoulder IV

*Moderators:*

Vojtech HAVLAS (CZECH REPUBLIC) & Pierre HOFFMEYER (SWITZERLAND)

#### LIFE THREATENING SHOULDER TRAUMA

Pierre HOFFMEYER (SWITZERLAND)

- 30002** **EPIDEMIOLOGY OF ADULT HUMERUS FRACTURES (1998-2009)**  
Rohit DHAWAN, Mirna AL-KHOURI, Vikas SHARMA (UNITED KINGDOM)

- 29666**    **MANAGEMENT OF FOUR-PART FRACTURE-DISLOCATION OF SHOULDER**  
Y.J. MAHALE, Naveed AGA (INDIA)
- 29839**    **FUNCTIONAL OUTCOME OF HUMERAL SHAFT FRACTURES WITH ANTEGRADE HUMERAL LOCKING INTRAMEDULLARY NAIL**  
Sandeep KASHYAP, Mukand LAL (INDIA)
- 29674**    **ANGULAR STABILITY PLATE FOR TREATMENT OF THE FRACTURES OF PROXIMAL HUMERUS IN OLD PATIENTS**  
Carlo F. DE BIASE, Giantony DI GIORGIO, Francesco PEZZILLO, Domenico MAROTTA (ITALY)
- 30088**    **COMPLEX HUMERAL FRACTURES: SHOULD WE FIX THESE?**  
Avtar SUR, Bhalla AMIT, Mahmood TARIQ, Shazad SADIQ (UNITED KINGDOM)
- 28126**    **COMPARATIVE STUDY OF PROPOSED MUKHERJEE'S SHOULDER SCORE FOR EFFECTIVE EVALUATION OF SHOULDER HEMIARTHROPLASTY IN INDIAN SCENARIO**  
Amitava Narayan MUKHERJEE, Nirmalya DEB, Ananda Kishore PAL (INDIA)
- 28388**    **PLATING VERSUS INTRAMEDULLARY PIN OR CONSERVATIVE TREATMENT FOR MID-SHAFT CLAVICLE FRACTURE: A META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS**  
Ming XIANG, Zhou XIANG, Xin DUAN, Yue FANG, Tao LI (CHINA)

# Friday, 9 September

## Meeting Hall IV

08:00 - 09:30

Lecture

Free Papers

### Knee - Soft Tissue

*Moderators:*

Wolfgang FITZ (UNITED STATES) & Anthony HALL (UNITED KINGDOM)

#### PATIENT SPECIFIC PARTIAL (IUNI AND IDUO) AND TOTAL KNEE REPLACEMENT (ITOTAL)

Wolfgang FITZ (UNITED STATES)

- 28156 IMPLANT POSITION AND KNEE ALIGNMENT AFTER PATIENT-SPECIFIC UNICOMPARTMENTAL KNEE ARTHROPLASTY**  
Franz KÖCK, Johannes BECKMANN, Philipp LECHLER, Clemens BAIER, Hans-Robert SPRINGORUM, Erhan BASAD, Joachim GRIFKA (GERMANY)
- 28298 PERIPROSTHETIC TIBIAL FRACTURES USING THE MINIMAL INVASIVE MEDIAL UNICOMPARTMENTAL KNEE ARTHROPLASTY "OXFORD UNI"**  
Joern SEEGER, Peter ALDINGER, Michael CLARIUS (GERMANY)
- 29375 BONE LOSS DURING REVISION UNICOMPARTMENTAL AND TOTAL KNEE REPLACEMENT: AN ANALYSIS OF THE NATIONAL JOINT REGISTRY DATA**  
Khaled SARRAF, Sam OUSSEDIK, Naresh SOMASHEKAR, Fares HADDAD (UNITED KINGDOM)
- 29008 TREATMENT OF MEDIAL KNEE OA: AN ALTERNATIVE TO ARTHROPLASTY FOR YOUNGER ACTIVE PATIENTS**  
Nick LONDON<sup>1</sup>, David HAYES<sup>2</sup>, Craig WALLER<sup>2</sup>, Jon SMITH<sup>1</sup>, Steven GUY<sup>1</sup>, Rhys WILLIAMS<sup>1</sup>, Tim WILTON<sup>1</sup>  
<sup>1</sup>(UNITED KINGDOM), <sup>2</sup>(AUSTRALIA)
- 29292 DIAGNOSIS AND MANAGEMENT OF PROXIMAL TIBIAL STRESS FRACTURES IN PATIENTS UNDERGOING TKR**  
Buddha Deb CHATTERJEE (INDIA)
- 29295 MANAGEMENT OF MAJOR BONE DEFICIENCY OF THE MEDIAL TIBIAL CONDYLE IN PATIENTS WITH SEVERE VARUS DEFORMITY UNDERGOING TKR**  
Buddha Deb CHATTERJEE (INDIA)
- 29167 CORRECTING VARUS DEFORMITY WITH FLEXION CONTRACTURE DURING TOTAL KNEE ARTHROPLASTY: THE "INSIDE-OUT" TECHNIQUE**  
Chitranjan RANAWAT, Morteza MEFTAH, Amar RANAWAT (UNITED STATES)
- 29596 PATIENT SPECIFIC INSTRUMENTATION – WHEN TO TRUST AND WHEN DO YOU DITCH THEM?**  
Vaibhav BAGARIA, Anoop DOKANIA, Rajiv ANAND (INDIA)

09:30 - 10:00

*Coffee break*

**Knee - Infection & Revision***Moderators:*

Karel KOUDELA (CZECH REPUBLIC) &amp; Mourad HAMIDANI (ALGERIA)

- 29112 REVISION IN KNEE ARTHROPLASTY WITH BONE LOSS USING ROTATING HINGED PROSTHESIS. MID-TERM RESULTS**  
Miltiadis AVRAMIDIS, Michail BOZOGLOU, Christos LYRTZIS, Spiridon ALEXIADIS, Aristotelis HATZIDELIOS (GREECE)
- 29519 REVISION TOTAL KNEE ARTHROPLASTY USING TEMPORAL SPACERS**  
Igor ZAZIRNYI (UKRAINE)
- 30019 SURFACE MODIFICATION OF IMPLANTS INHIBITS PRIMARY ATTACHMENT IN BIOFILM FORMING BACTERIA**  
Olufunso ONAYEMI, Mick DONEGAN, John COTTER, Jim O'GARA (IRELAND)
- 30012 REVISION TYPE KNEE ARTHROPLASTIES: SEMI-CONSTRAINED OR CONSTRAINED? RESULTS AFTER MEAN FOLLOW-UP OF 7 YEARS**  
Luis LOPEZ-DURAN, Rafael LUQUE, Antonio URDA, Belen RIZO, Rodrigo GARCIA-CRESPO, Fernando MARCO (SPAIN)
- 29264 USE OF FEMORAL HEAD ALLOGRAFT FOR SEVERE BONE DEFECT IN REVISION TOTAL KNEE ARTHROPLASTY**  
Churl Hong CHUN, Tae Kyun KIM, Seok Hyun KWON, Keun Churl CHUN (SOUTH KOREA)
- 30131 SURVIVORSHIP AND REVISION CAUSES IN FIXED MODULAR, FIXED NON-MODULAR AND MOBILE TIBIAL BEARINGS IN PRIMARY TOTAL KNEE ARTHROPLASTY. A REPORT FROM THE NORWEGIAN ARTHROPLASTY REGISTER 1994-2009**  
Oystein GOTHESEN, Birgitte ESPEHAUG, Stein Hakon LASTAD LYGRE, Gunnar PETURSSON, Leif Ivar HAVELIN, Ove FURNES (NORWAY)
- 28722 DETECTION OF PERIPROSTHETIC OSTEOLYSIS IN TOTAL KNEE REPLACEMENTS USING A HUMAN CADAVER MODEL**  
Bogdan SOLOMON, Roumen STAMENKOV, Andrew MACDONALD, Susan NEALE, David FINDLAY, Donald HOWIE (AUSTRALIA)
- 29658 PROPIONIBACTERIUM ACNES AS AN AGENT OF PROSTHETIC JOINT INFECTION AFTER HIP AND KNEE ARTHROPLASTY: DIAGNOSTIC AND THERAPEUTIC STRATEGIES**  
Alexander David LIDDLE (UNITED KINGDOM)

# Friday, 9 September

## Meeting Hall V

08:00 - 09:30

### Free Papers

#### BEST PAPERS

- 28496** LOCKING COMPRESSION PLATE BREAKAGE AND FRACTURE NON-UNION. A FINITE ELEMENT STUDY OF THREE PATIENT-SPECIFIC CASES  
Mujtaba NASSIRI, John O'BYRNE (IRELAND)
- 28640** THE USE OF SOMATOSENSORY EVOKED POTENTIAL (SSEP) MONITORING IN THE PREVENTION OF NEUROLOGICAL INJURY IN SPINAL SURGERY: A 5-YEAR REVIEW OF TIMING AND RESPONSE TO AN ABNORMAL TRACE  
Ivor VANHEGAN, Gemma CANNON, Syed KABIR, Joseph COWAN, Adrian CASEY (UNITED KINGDOM)
- 28643** A PROSPECTIVE RANDOMIZED CONTROLLED TRIAL COMPARING THREE ALTERNATIVE BEARING SURFACES IN PRIMARY TOTAL HIP ARTHROPLASTY  
James WADDELL, Vassilios NIKOLAOU, Max EDWARDS, Earl BOGOCH, Emil SCHEMITSCH (CANADA)
- 28747** DISPLACED INTRA-ARTICULAR FRACTURES OF THE CALCANEUS IN ADULT PATIENTS: IS IT WORTH TO OPERATE?  
Andrey VOLNA, Edgar MATTIS, Nikolay ZAGORODNIY, Timofey LANTUKH, Vladimir DIRIN, Michael PANIN (RUSSIA)
- 29148** CT-GUIDED PERCUTANEOUS REMOVAL OF OSTEOID OSTEOMA  
Roberto VÉLEZ (SPAIN)
- 29375** BONE LOSS DURING REVISION UNICOMPARTMENTAL AND TOTAL KNEE REPLACEMENT: AN ANALYSIS OF THE NATIONAL JOINT REGISTRY DATA  
Khaled SARRAF, Sam OUSSEDIK, Naresh SOMASHEKAR, Fares HADDAD (UNITED KINGDOM)
- 29543** OUTCOME ASSESSMENT FOLLOWING DISTAL RADIUS FRACTURES  
Frankie LEUNG, Grace YUEN, Tak Wing LAU (HONG KONG)
- 29544** IMAGE-FREE COMPUTER-ASSISTED CAP POSITIONING IN HIP RESURFACING – A RANDOMIZED PROSPECTIVE STUDY  
Maik STIEHLER, Stephan KIRSCHNER, Jens GORONZY, Frank KRUMMENAUER, Klaus-Peter GÜNTHER (GERMANY)
- 29643** EXPRESSION OF VASCULAR ENDOTHELIAL GROWTH FACTOR AND MATRIX METALLOPROTEINASE-1 IN BONE SARCOMAS  
Shishir RASTOGI, Ramakant KUMAR, Shah KHAN, Himanshu GUPTA, Ravi MITTAL (INDIA)
- 29945** METHODS FOR CORRECTING THE LENGTH OF FINGERS  
Vladimir ZAVARUKHIN, Alexey BAINDURASHVILI, Sergey GOLYANA, Anton GOVOROV (RUSSIA)

09:30 - 10:00

*Coffee break*



10:00 - 11:30

Lecture

Free Papers

### Hip - Osteotomy

*Moderators:*

Petr CHLADEK (CZECH REPUBLIC) & Philippe HERNIGOU (FRANCE)

#### **OUTCOMES AFTER MINIMALLY INVASIVE PERIACETABULAR OSTEOTOMY**

Kjeld SOBALLE (DENMARK)

- 28558 CROSS-OVER SIGN AFTER ROTATIONAL ACETABULAR OSTEOTOMY FOR DYSPLASIA OF THE HIP**  
Yuji YASUNAGA, Takuma YAMASAKI, Keiichiro YAMASAKI, Toshihiro MATSUO, Mitsuo OCHI (JAPAN)
- 27800 PERIACETABULAR OSTEOTOMY. A SEVEN-YEAR EXPERIENCE**  
Manuel RIBAS, Rubén LEDESMA, Carlomagno CÁRDENAS-NYLANDER, Vittorio BELLOTTI, Oliver MARÍN, Enric CÁCERES (SPAIN)
- 28288 MODIFIED SALTER INNOMINATE OSTEOTOMY WITHOUT INTERNAL PINS FIXATION FOR THE TREATMENT OF HIP DISORDERS**  
Jun LI (CHINA)
- 29829 CHIRON'S VIEW FOR CAM FEMOROACETABULAR IMPINGEMENT: AN ANATOMIC STUDY**  
Etienne CAVAIGNAC, Nicolas REINA, Jean Michel LAFFOSSE, Philippe CHIRON (FRANCE)
- 29857 DOES AN EFFECTIVE NON-OPERATIVE TREATMENT EXIST FOR FEMOROACETABULAR IMPINGEMENT? A SYSTEMATIC REVIEW OF THE LITERATURE**  
Peter WALL, Damian GRIFFIN (UNITED KINGDOM)
- 28754 PELVIC AND FEMORAL OSTEOTOMIES IN SPASTIC HIP**  
Petr CHLADEK, Tomas TRC, Alena SCHEJBALOVA (CZECH REPUBLIC)
- 28751 FEMOROACETABULAR IMPINGEMENT SYNDROMA – OUR EXPERIENCE WITH OSTEOCHONDROPLASTY VIA SURGICAL DISLOCATION AND VIA ANTERIOR MIS APPROACH**  
Petr CHLADEK, Tomas TRC, Viktor REHACEK, Vojtech HAVLAS (CZECH REPUBLIC)

# Friday, 9 September

## Panorama Hall

08:00 - 09:30

### Symposium

#### Paediatric Trauma

*Moderator:*

Patricia FUCS (BRAZIL)

#### **SUPRACONDYLAR FRACTURES IN CHILDREN**

George THOMPSON (UNITED STATES)

#### **FOOT AND ANKLE FRACTURES**

David ARONSSON (UNITED STATES)

#### **PATHOLOGICAL FRACTURES**

Rui MACIEL (BRAZIL)

**30322 FRACTURE INVOLVING THE ENTIRE DISTAL HUMERAL PHYSIS: A PROBLEMATIC PEDIATRIC FRACTURE**

Petr HAVRANEK (CZECH REPUBLIC)

#### **FEMUR FRACTURES**

Patricia FUCS (BRAZIL)

09:30 - 10:00

*Coffee break*

10:00 - 11:30

### Free Papers

#### Spine - Lumbar

*Moderators:*

Dino SAMARTZIS (HONG KONG) & Wichien LAOHACHAROENSOMBAT (THAILAND)

**28662 THE INFLUENCE OF MUSCLE FORCES ON THE STRESS DISTRIBUTION IN LUMBAR SPINE**

Eva POSNER, Christian WONG, Sebastian DENDORFER, John RASMUSSEN, Erik B. SIMONSEN, Lone HANSEN, Mark DE ZEE (DENMARK)

**28213 LONGITUDINAL RADIOGRAPHIC CHANGES IN SUCCESSFUL ARTHRODESIS PATIENTS AFTER POSTERIOR LUMBAR INTERBODY FUSION USING AN INTERBODY CARBON CAGE – A PROSPECTIVE 5-YEAR STUDY**

Tokumi KANEMURA, Yoshimoto ISHIKAWA, Akiyuki MATSUMOTO, Kotaro SATAKE, Yoshihito SAKAI, Zenya ITO, Akio MURAMOTO, Shiro IMAGAMA (JAPAN)

**28838 SYNOVIAL FACET CYSTS AFTER DECOMPRESSIVE SURGERY FOR LUMBAR SPINAL CANAL STENOSIS – A PROSPECTIVE COHORT STUDY**

Akihiro NAGAMACHI, Shunichi TOKI, Takahiko TSUTSUI, Hiroshi YONEZU, Keisuke ADACHI, Kazumasa INOUE, Toru ENDO (JAPAN)

**29783 THE PREVALENCE OF SPONDYLOLYSIS AND ITS RELATIONSHIP WITH LOW BACK PAIN IN SELECTED POPULATION**

Ko SANG-BONG, Cho MYUNG-RAE, Park CHANG-MIN, Baek SEUNG-HOON (SOUTH KOREA)

- 29648 ARE "PATTERNS" OF LUMBAR DISC DEGENERATION ASSOCIATED WITH LOW BACK PAIN? NEW INSIGHTS BASED ON SKIPPED LEVEL DISC PATHOLOGY**  
Dino SAMARTZIS<sup>1</sup>, Jaro KARPPINEN<sup>2</sup>, Keith LUK<sup>1</sup>, Kenneth CHEUNG<sup>1</sup>  
<sup>1</sup>(HONG KONG), <sup>2</sup>(FINLAND)
- 28482 ACUPUNCTURE THERAPY FOR CHRONIC LOWER BACK PAIN: A SYSTEMATIC REVIEW**  
Dionysios TRIGKILIDAS (UNITED KINGDOM)
- 29502 ROLE OF FACET JOINT TROPISM IN LUMBAR DISC HERNIATION**  
Gaurav SHARMA, Manish CHADHA, Shobha ARORA (INDIA)
- 29657 INTERVERTEBRAL DISC DEGENERATION ON MRI IS ASSOCIATED WITH LOW BACK PAIN: A POPULATION-BASED STUDY**  
Dino SAMARTZIS<sup>1</sup>, Jaro KARPPINEN<sup>2</sup>, Keith LUK<sup>1</sup>, Kenneth CHEUNG<sup>1</sup>  
<sup>1</sup>(HONG KONG), <sup>2</sup>(FINLAND)
- 29699 PARS INTERARTICULARIS REPAIR WITH PERCUTANEOUS SCREW FIXATION**  
Farhaan ALTAF, Lester WILSON, Philippa TYLER (UNITED KINGDOM)

11:30 - 12:30

Social Event

Closing Ceremony

# Friday, 9 September

## Terrace I

08:00 - 09:30

Free Papers

### Spine - Deformities II

*Moderators:*

Mohammad EL-SHARKAWI (EGYPT) & Yu WANG (DENMARK)

- 28354 NEW UNDERSTANDING OF ETIOLOGY AND PATHOGENESIS OF IDIOPATHIC SCOLIOSIS (IS). PROSPECTS FOR ITS SUCCESSFUL TREATMENT**  
Valentyn SERDYUK (UKRAINE)
- 28319 RIGHT THORACIC CURVATURE PROCESS IN ADOLESCENT PERIOD IN THE NORMAL SPINE**  
Toshio DOI, Osamu TOHNO, Kiyoshi TARUKADO, Yukihide IWAMOTO (JAPAN)
- 29276 SURGICAL CORRECTION OF SCOLIOSIS IN NEUROFIBROMATOSIS: ARE ALL PEDICLE SCREW CONSTRUCTS BETTER?**  
Mohammad EL-SHARKAWI, Wael KOPTAN, Yasser ELMILIGUI, Fady SHAFIK (EGYPT)
- 29163 THE EFFECTIVENESS OF POSTERIOR ONLY PEDICLE SCREW INSTRUMENTATION IN THE TREATMENT OF SEVERE SCOLIOSIS (GREATER THAN 70 DEGREES)**  
Erbil OGUZ, Serkan BILGIC, Omer ERSEN, Tolga EGE, Yuksel YURTTAS, Ali SEHIRLIOGLU (TURKEY)
- 29823 CORONAL AND SAGITTAL PLANE CORRECTION OF THE MAIN THORACIC CURVE IN ADOLESCENT IDIOPATHIC SCOLIOSIS: A COMPARISON OF DIFFERENT FIXATION DENSITY**  
Jianguo ZHANG, Bin YU, Yipeng WANG, Guixing QIU (CHINA)
- 29344 POSTERIOR SELECTIVE THORACIC FUSION IN LENKE I C ADOLESCENT IDIOPATHIC SCOLIOSIS**  
Stanko MILICKOVIC, Zdeslav MILINKOVIC, Oleg KRNETA, Vojislav BASARA, Vladimir LALOSEVIC, Budimir JESIC, Zdravko POLEKSIC, Aleksandar CURCIC (SERBIA)
- 29130 ASYMMETRIC PEDICLE SUBTRACTION OSTEOTOMY: A USEFUL TOOL FOR SEVERE SCOLIOTIC DEFORMITIES**  
Mohammad EL-SHARKAWI, Wael KOPTAN, Yasser ELMILIGUI, Essam EL-SHERIF (EGYPT)
- 29396 TRUNK DIS-PROPORTIONALITY REGRESS DYNAMICS IN THE SCOLIOTIC SPINE DEFORMITIES SURGICAL CORRECTION**  
Darya TESAKOVA, Dmitry TESA KOV (BELARUS)
- 27238 NAVIGATED PERCUTANEOUS LUMBOSACRAL INTERBODY FUSION: A FEASIBILITY STUDY WITH 3D SURGICAL SIMULATION AND CADAVERIC EXPERIMENT**  
Yu WANG, Cody BÜNGER (DENMARK)
- 27237 POSTOPERATIVE SPINAL ALIGNMENT REMODELING IN LENKE 1C TYPE SCOLIOSIS TREATED WITH SELECTIVE THORACIC FUSION**  
Yu WANG, Cody BÜNGER, Ebbe HANSEN (DENMARK)

09:30 - 10:00

*Coffee break*

**Trauma - Soft Tissue & Miscellaneous***Moderators:*

Jean Louis ROUVILLAIN (FRANCE) &amp; Mohamed SUKEIK (UNITED KINGDOM)

- 30298 PERCUTANEOUS REPAIR OF ACUTE ACHILLES TENDON RUPTURE**  
Jean Louis ROUVILLAIN, Thomas NAVARRE, Octavio LABRADA BLANCO, Emmanuel GARRON, Wael DAOUD, Cyril GANE, Chafiq ZEKHNINI (MARTINIQUE)
- 29865 A SYSTEMATIC REVIEW OF THE USE OF PLATELET CONCENTRATES ON TENDON AND LIGAMENT INJURIES OF THE EXTREMITIES**  
Mohamed SUKEIK, Jonathan BERNHEIMER, Fares HADDAD (UNITED KINGDOM)
- 27975 ANATOMICAL REATTACHMENT OF DISTAL BICEPS TENDON RUPTURE – MID-TERM RESULTS AND COMPLICATIONS OF THE TWO TECHNIQUES**  
Maros HRUBINA, Jiri BEHOUNEK, Miroslav SKOTAK, Oldrich KRUMPL, Pavel MIKA, Jaroslav LETOCHA (CZECH REPUBLIC)
- 27383 ARTHROSCOPIC MANAGEMENT OF PARTIAL ACL INJURY**  
Hesham EL KADY (EGYPT)
- 29886 OPERATIVE TREATMENT OF DISPLACED MID SHAFT CLAVICLE FRACTURES: USE OF RECONSTRUCTION LOCKING PLATE**  
Ashish GOHIYA, Sanjiv GAUR, Anoop MEHROTRA (INDIA)
- 28663 MANIPULATION OF THE INVOLUCRUM FOR FEMORAL RECONSTRUCTION AFTER CIERNY-MADER TYPE IV OSTEOMYELITIS: A NEW CLASSIFICATION SCHEME AND MANAGEMENT ALGORITHM**  
Mahmoud MAHRAN, Mootaz THAKEB, Mohamed A. EID, Hany HEFNY (EGYPT)
- 27111 CORRECTION OF COMPLEX FOOT DEFORMITY IN SKELETALLY MATURE PATIENTS BY ILIZAROV EXTERNAL FIXATION VERSUS STAGED EXTERNAL-INTERNAL FIXATION**  
Khaled EMARA (EGYPT)

# Friday, 9 September

## Club A

08:00 - 09:30

### Instructional Course

#### TKR Balancing

*Moderator:*

Antonin SOSNA (CZECH REPUBLIC)

#### **BIOMECHANICS OF THE KNEE JOINT RATIONALE FOR THE DESIGN AND BALANCING OF THE TKR**

Vera PINSKEROVA (CZECH REPUBLIC)

#### **OPTIMA ROTATIONAL ADJUSTMENT OF THE FEMORAL COMPONENT IN TOTAL KNEE ARTHROPLASTY**

Karel KOUDELA, Karel KOUDELA JR, Jana KOUDELOVA (CZECH REPUBLIC)

#### **OUR OWN SIMPLE SYSTEM OF LIGAMENT BALANCING OF THE KNEE JOINT**

Antonin SOSNA, David POKORNY (CZECH REPUBLIC)

09:30 - 10:00

*Coffee break*

10:00 - 11:30

### Free Papers

#### Sports Traumatology - Cartilage

*Moderators:*

Stephen ABELOW (UNITED STATES) & Milan HANDL (CZECH REPUBLIC)

- 28466 EVALUATION OF OUTCOMES IN CONSERVATIVELY MANAGED CONCOMITANT TYPE A AND B POSTEROLATERAL CORNER INJURIES IN ACL DEFICIENT PATIENTS UNDERGOING ACL RECONSTRUCTION**  
Kamal BALLI, Mandeep DHILLON, Narendranath AKKINA, Sharad PRABHAKAR (INDIA)
- 29516 ISOLATED INJURIES OF THE POSTERIOR CRUCIATE LIGAMENT. A SEVEN-YEAR FOLLOW-UP**  
Athanassios PAPANIKOLAOU, Christos THANASSAS, George PAPADIMITRIOU, Evangelos TSIALOGIANNIS, Grigoris KATSOLIS (GREECE)
- 28492 THE EFFECT OF PROXIMAL TIBIAL VALGUS OSTEOTOMY ON ARTICULAR CARTILAGE PRESSURE AFTER MEDIAL MENISCECTOMY: A FINITE ELEMENT MODEL STUDY**  
Halil ATMACA, Cumhur Cevdet KESEMENLI, Kaya MEMISOGLU, Arif ÖZKAN (TURKEY)
- 27892 ARTHROSCOPIC CARTILAGE REGENERATION FACILITATING PROCEDURE FOR OA KNEE**  
Shaw-Ruey LYU (TAIWAN)
- 28683 A GENERALISED LINEAR MODEL TO PREDICT OUTCOME FOLLOWING AUTOLOGOUS CHONDROCYTE IMPLANTATION FOR OSTEOCHONDRAL DEFECTS OF THE KNEE**  
Parag Kumar JAISWAL, Simon MACMULL, Tim MORRIS, Richard CARRINGTON, John SKINNER, Tim BRIGGS, George BENTLEY (UNITED KINGDOM)
- 30135 MESENCHYMAL STEM CELLS IN COMBINATION WITH CHONDROCYTES IN THE TREATMENT OF DEEP ARTICULAR SURFACE DEFECT**  
Ladislav PLANKA, Robert SRNEC, Petr RAUSER, David STARY, Jana JUHASOVA, Jiri KLIMA, Lucy VOJTOVA, Josef JANCAR, Karel VESELY, Petr GAL, Alois NECAS (CZECH REPUBLIC)

**28631 COMBINED ANTERIOR CRUCIATE LIGAMENT REPAIR AND AUTOLOGOUS CHONDROCYTE IMPLANTATION**

Baljinder DHINSA, Syed NAWAZ, Kieran GALLAGHER, Richard CARRINGTON, Tim BRIGGS, John SKINNER, George BENTLEY (UNITED KINGDOM)

**29832 PRELIMINARY RESULT OF CLINICAL FEASIBILITY TO REPAIR ARTICULAR CARTILAGE DEFECT WITH AUTOGENOUS CHONDROCYTE IMPLANTATION BY A NOVEL BIPHASIC OSTEOCHONDRAL COMPOSITE**

Hongsen CHIANG, Ching-Chuan JIANG, Chun-Jen LIAO (TAIWAN)

**AUTOLOGOUS CHONDROCYTE IMPLANTATION IN THE CARTILAGE REPAIR**

Milan HANDL (CZECH REPUBLIC)

# Friday, 9 September

## Club B

08:00 - 09:30

### Instructional Course

#### Musculoskeletal Tumours in Children: Evaluation & Treatment 2011

*Moderator:*

John DORMANS (UNITED STATES)

#### **INTRODUCTION**

John DORMANS (UNITED STATES)

#### **BENIGN TUMOR GROUP (3 OR 4 BENIGN TUMORS SOFT TISSUE, FIBROUS DYSPLASIA, ADAMANTINOMA, NOFS, OSTEOFIBROUS DYPLASIA, ETC)**

Maximilian RUDERT (GERMANY)

#### **BENIGN TUMOR GROUP (UBC, ABC, OO, LCH)**

John DORMANS (UNITED STATES)

#### **CASES**

Juan PRETELL (UNITED STATES)

#### **MALIGNANT TUMOR GROUP (APPROACH TO MALIGNANT TUMORS)**

Maximilian RUDERT (GERMANY)

#### **MALIGNANT TUMOR GROUP (APPROACH TO MALIGNANT BONE TUMORS – EMPHASIS ON RECONSTRUCTION)**

John DORMANS (UNITED STATES)

#### **CASES**

Juan PETRELL (UNITED STATES)

09:30 - 10:00

*Coffee break*

10:00 - 11:30

### Symposium

#### Ultrasound in Orthopaedics

*Moderator:*

Lubos HRAZDIRA (CZECH REPUBLIC)

#### **CURRENT POSSIBILITIES OF MUSCULOSKELETAL ULTRASOUND**

Lubos HRAZDIRA (CZECH REPUBLIC)

#### **DDH ULTRASONOGRAPHY HIP SCREENING**

Reinhard GRAF (AUSTRIA)

#### **BASIC PRINCIPLES OF MUSCULOSKELETAL ULTRASOUND**

Ondrej BENACKA (CZECH REPUBLIC)

#### **PUNCTION OF THE JOINTS UNDER ULTRASOUND CONTROL**

Petr CHLADEK (CZECH REPUBLIC)

#### **SONOGRAPHY OF LOCOMOTOR APPARATUS IN CHILDREN**

Jarmila SKOTAKOVA, Lubos HRAZDIRA (CZECH REPUBLIC)



# Friday, 9 September

## Club C

08:00 - 09:30

Free Papers

Miscellaneous I

*Moderators:*

Prithee JETTOO (UNITED KINGDOM) & Nikolaj WOLFSON (UNITED STATES)

- 30571 PELVIC CHONDROSARCOMA: EXPERIENCE OF THE ISTITUTO RIZZOLI**  
Pietro RUGGIERI, Andrea ANGELINI, Elisa PALA (ITALY)
- 29733 AUTOLOGOUS BONE MARROW CELLS WITH COLLAGEN FLEECE IN TREATMENT OF LOWER LIMB NON-UNION: A NEW METHOD**  
Ehab Mohamed SHEHATA (EGYPT)
- 27275 STIMULATION OF FRACTURE HEALING WITH PULSED ELECTROMAGNETIC FIELDS: POTENTIALS IN NON-UNION MANAGEMENT**  
Angelos ASSIOTIS, Nick SACHINIS, Ioannis PENGAS, Ahmad ALI (UNITED KINGDOM)
- 29177 INTRAOSSEOUS BLACKTHORN GRANULOMA: A RARE CASE REPORT**  
Ashok MARUDANAYAGAM, Sadai APPAN, Taimoor MIAN, Karen BRADSHAW (UNITED KINGDOM)
- 29647 DEVELOPMENT OF THE FLEXIBLE AXIAL STIMULATION (FAST) INTRAMEDULLARY NAIL**  
Hannah DAILEY, Charles DALY, John GALBRAITH, Michael CRONIN, Micheal BREEN, James HARTY (IRELAND)
- 29859 CAN IN-HOSPITAL MEDICATION REVIEWS REDUCE RE-ADMISSIONS, NEW FALLS AND FRACTURES AFTER HIP FRACTURE?**  
Cecilia ROGMARK, Maria HÄRSTEDT, Ingemar SERNBÖ, Artur FEDOROWSKI (SWEDEN)
- 29683 NEGATIVE PRESSURE WOUND THERAPY IN AN INDIAN SETTING**  
Ratna JOHARI, Govind KULKARNI, Shalin MAHESHWARI (INDIA)
- 28857 CAN PATIENT DISCHARGE FROM A TRAUMA UNIT BE IMPROVED BY DEDICATED DISCHARGE NURSES?**  
Sean MCKENNA, David ANDERSON (UNITED KINGDOM)
- 26974 CK-MB/CK RATIO AS AN INDIRECT PREDICTOR FOR SURVIVAL IN PATIENTS WITH POLYTRAUMA**  
Florian M. KOVAR, Endler GEORG, Vilmos VECSEI, Stefan HAJDU, Thomas HEINZ, Oswald F. WAGNER, Silke ALDRIAN (AUSTRIA)
- 28330 DISTRACTION OSTEOGENESIS AND BONE TRANSPORT BY MONOLATERAL EXTERNAL FIXATOR FOR INFECTED NONUNION OF FEMUR DIAPHYSIS WITH BONE LOSS**  
Vinod SHARMA, Sumit BATRA, Aman GOYAL, Vikas GUPTA, Sumit ARORA (INDIA)
- 27702 OUTCOME OF HIP FRACTURE PATIENTS WITH RENAL IMPAIRMENT**  
Prithee JETTOO, P.J. GILL (UNITED KINGDOM)

09:30 - 10:00

*Coffee break*

## Miscellaneous II

*Moderators:*

Raja CHAFTARI (LEBANON) &amp; Jakub KAUTZNER (CZECH REPUBLIC)

- 30577 PROSTHETIC RECONSTRUCTION OF THE LOWER LIMB IN MUSCULOSKELETAL ONCOLOGY: THE EXPERIENCE OF THE ISTITUTO RIZZOLI**  
Pietro RUGGIERI, Andrea ANGELINI, Elisa PALA (ITALY)
- 28414 KNEE JOINT STIFFNESS ELIMINATION USING COMPUTER-ASSISTED ORTHO-SUV FRAME**  
Leonid SOLOMIN, Konstantin KORCHAGIN, Alexandr UTEKHIN (RUSSIA)
- 29727 DETECTING POST REDUCTION FIBULAR MALROTATION USING CONVENTIONAL FLUOROSCOPY**  
Meir MARMOR, Utku KANDEMIR, Erik HANSEN, Amir MATITYAHU, Saam MORSHED (UNITED STATES)
- 29757 COMPLICATIONS OF PRE-CONTOURED LOCKING PLATES**  
Amit KUMAR, Rizwan SHAHID, Mohammad MAQSOOD (UNITED KINGDOM)
- 28496 LOCKING COMPRESSION PLATE BREAKAGE AND FRACTURE NON-UNION. A FINITE ELEMENT STUDY OF THREE PATIENT-SPECIFIC CASES**  
Mujtaba NASSIRI, John O'BYRNE (IRELAND)
- 28668 COMMONLY MISSED INJURIES OF CLINICAL SIGNIFICANCE IN POLYTRAUMA PATIENTS**  
Vijay Kumar KHARIWAL (INDIA)
- 28795 ROLE OF LOCKING COMPRESSION PLATE IN THE MANAGEMENT OF NON UNION OF DIAPHYSEAL FRACTURES**  
Thonse Narayana CHIRAG, Chetan PRADHAN, Ashok SHYAM, Parag SANCHETI (INDIA)
- 29385 ORTHOPAEDIC CARE IN A SOUTHWESTERN NIGERIAN SECONDARY LEVEL HOSPITAL: ARE PATIENTS' SURGICAL NEEDS BEING MET?**  
Adeleke IFESANYA (NIGERIA)
- 29590 USE OF GIS APP AS TOOL FOR MONITORING TRAUMA CASES**  
Vaibhav BAGARIA, Saurabh BAGARIA, Anoop DOKANIA, Rajiv ANAND (INDIA)

# Friday, 9 September

## Club D

08:00 - 09:30

### Instructional Course

#### Strategy of Orthopaedic Treatment in Cerebral Palsy Patients

*Moderator:*

Alena SCHEJBALOVA (CZECH REPUBLIC)

#### MANAGEMENT OF CEREBRAL PALSY IN HANDS OF NEUROLOGIST

Josef KRAUS (CZECH REPUBLIC)

#### DOES GAIT ANALYSIS CONTRIBUTE TO MANAGEMENT OF CEREBRAL PALSY PATIENTS?

Martin SVEHLIK (AUSTRIA)

#### SOFT TISSUE SURGERY OVERVIEW

Alena SCHEJBALOVA (CZECH REPUBLIC)

#### SURGICAL PROCEDURES IN THE HIP AREA

Petr CHLADEK (CZECH REPUBLIC)

#### SURGICAL PROCEDURES IN THE KNEE AREA

Milan KOKAVEC (SLOVAKIA)

#### MANAGEMENT OF FOOT DEFORMITIES

Jan POUL (CZECH REPUBLIC)

#### CONCLUSION & DISCUSSION

09:30 - 10:00

*Coffee break*

10:00 - 11:30

### Symposium

#### World Orthopaedic Concern (WOC): Infections

*Moderator:*

Ger OLIJHOEK (NETHERLANDS)

#### THE TREATMENT OF (NEGLECTED) FRACTURES IN DEVELOPING COUNTRIES, SAFETY FIRST!

Ger OLIJHOEK (NETHERLANDS)

#### QUALITY OF ORTHOPAEDIC CARE IN DEVELOPING COUNTRIES – STRATEGIES TO IMPROVE

Anil JAIN (INDIA)

#### ORTHOPAEDIC CLINICAL OFFICER PROGRAM IN MALAWI – A MODEL FOR PROVIDING ORTHOPAEDIC CARE

Christopher NGULUWE (MALAWI)

#### 30311 CONSERVATIVE, NON OPERATIVE MANAGEMENT OF FRACTURES

Fred OTSYENO, Josephat MULIMBA (KENYA)

#### PATHOLOGICAL FRACTURE OF THE FEMUR FROM KAPOSI SARCOMA. MANAGEMENT OPTIONS IN THE DEVELOPING WORLD

Michael LAURENCE (UNITED KINGDOM)

**29990 DEWORMING THE PATIENTS REDUCES SURGICAL SITE INFECTIONS IN A DEVELOPING COUNTRY**

Ghanshyam Narayan KHARE (INDIA)

**PRIMARY ORTHOPAEDIC CARE; THE PLACE OF THE BONE SETTER IN MANAGEMENT**

Abera JIMMA (ETHIOPIA)

# Friday, 9 September

## Club E

08:00 - 09:30

Free Papers

### Trauma - Proximal Femur II

*Moderators:*

Prithee JETTOO (UNITED KINGDOM) & Wahab YINUSA (NIGERIA)

- 28119 PATHOLOGICAL FRACTURES OF THE PROXIMAL FEMUR: A REVIEW OF 143 CASES**  
Asif KHAN, Martyn PARKER (UNITED KINGDOM)
- 27703 HIP FRACTURE PATIENTS ON WARFARIN – CAN WE MINIMISE DELAY TO SURGERY?**  
Prithee JETTOO (UNITED KINGDOM)
- 27804 TO STUDY THE DYNAMIC MRI CURVE PATTERNS OF HIP IN PATIENTS WITH INTRACAPSULAR FRACTURE NECK OF FEMUR PREOPERATIVELY AND 6 MONTHS POSTOPERATIVELY**  
Ankit GOYAL, Mathew VARGHESE, Balu SANKARAN (INDIA)
- 30085 TREATMENT OF DISPLACED FEMORAL HEAD FRACTURES: RESULTS AND COMPLICATIONS**  
Dian ENCHEV, Marcho MARKOV, Nikolay TIVCHEV, Simeon ALTANOV (BULGARIA)
- 29187 THE EFFECT OF FRACTURE PATTERN AND IMPLANT TYPE ON STABILITY OF TYPE 31-A2 PROXIMAL FEMUR FRACTURES**  
Amir MATITYAHU, Meir MARMOR, Kate LIDDLE, Jennifer BUCKLEY (UNITED STATES)
- 29195 EFFECT OF VARUS AND VALGUS ALIGNMENT ON IMPLANT LOADING AFTER PROXIMAL FEMUR FRACTURE FIXATION**  
Amir MATITYAHU, Meir MARMOR, Kate LIDDLE, Jennifer BUCKLEY (UNITED STATES)
- 30017 A SYSTEMATIC EVALUATION OF 250 CASES OF FRACTURE PROXIMAL THIRD FEMUR STABILIZED WITH BI-AXIAL FIXATION (HIP SCREW WITH A DE-ROTATION SCREW)**  
Milind MODAK (INDIA)
- 28523 INTERNATIONAL SURVEY OF TRAUMA AND ORTHOPAEDIC SURGEONS ON OPERATIVE MANAGEMENT OF EXTRACAPASULAR HIP FRACTURES**  
Prithee JETTOO<sup>1</sup>, N.C. BAYLISS<sup>1</sup>, A.P. SCHULZ<sup>2</sup>  
<sup>1</sup>(UNITED KINGDOM), <sup>2</sup>(GERMANY)
- 29843 INCIDENCE OF HIP FRACTURE IN SOUTHEASTERN NORWAY. A FOLLOW-UP STUDY**  
Sam POLESIE, Ulf SIGURDSEN, Kristian BJORGUL (NORWAY)
- 28810 IMPLEMENTATION OF AN EVIDENCE BASED DEPARTMENTAL PROTOCOL FOR HIP HEMIARTHROPLASTY IMPROVES CLINICAL OUTCOME AND IS COST EFFECTIVE**  
David WORDSWORTH, Anthony RAYMOND, Stephen PRYKE (UNITED KINGDOM)

09:30 - 10:00

*Coffee break*

**Arthroplasty - Hemiarthroplasty***Moderators:*

Abdullah AL-OTHMAN (SAUDI ARABIA) &amp; Rajeev NAIK (INDIA)

**RECENT TRENDS AND PREVENTION OF COMPLICATIONS IN MANAGEMENT OF FRACTURES OF PROXIMAL FEMUR**

Rajeev NAIK (INDIA)

- 28619 A DISCUSSION: NON-CARDIAC SURGERY (DYNAMIC HIP SCREW: DHS) IN SAME SITTING AS A CABG IN A PATIENT SUFFERING FROM ACUTE MYOCARDIAL INFARCTION**  
Tanveer Singh BHUTANI, Harpreet Singh GILL (INDIA)
- 29111 OSTEOPOROTIC HIP FRACTURES SHOULD BE FIXED SURGICALLY IN THE VERY OLD**  
Janise LEE, Joyce KOH, Stephanie FOOK, Tet Sen HOWE (SINGAPORE)
- 29495 STRATEGIES TO IMPROVE THE MANAGEMENT OF HIP FRACTURES WITHIN A LARGE TEACHING HOSPITAL**  
Simon GRAHAM, Adam PECKHAM-COOPER, James JOEL, Tom GOFF, Nicholas FREW (UNITED KINGDOM)
- 29287 MID-TERM OUTCOME OF HIP FRACTURE PATIENTS: A STUDY ON MORTALITY AND MORBIDITY**  
Janise LEE, Joyce KOH, Tet Sen HOWE (SINGAPORE)
- 29899 RISK FACTORS FOR REOPERATION AFTER HEMIARTHROPLASTY. ANALYSIS OF 21,346 PROCEDURES IN THE SWEDISH HIP ARTHROPLASTY REGISTER 2005-2009**  
Cecilia ROGMARK, Olof LEONARDSSON, Johan KÄRRHOLM, Göran GARELLICK (SWEDEN)
- 27326 UNIPOLAR VERSUS BIPOLAR HEMIARTHROPLASTY FOR DISPLACED FEMORAL NECK FRACTURES IN THE ELDERLY: IS THERE A DIFFERENCE?**  
Dennis NG, Kevin LEE (SINGAPORE)
- 28856 UNCEMENTED THOMPSON'S HEMIARTHROPLASTY IN ELDERLY PATIENTS WITH HIP FRACTURES; ARE THEY APPROPRIATE?**  
Sean MCKENNA, Sean KELLY, D.F. FINLAYSON (UNITED KINGDOM)
- 29906 MONOBLOCK HEMIARTHROPLASTIES FOR FEMORAL NECK FRACTURES – A PART OF ORTHOPAEDIC HISTORY?**  
Cecilia ROGMARK, Johan KÄRRHOLM, Olof LEONARDSSON, Göran GARELLICK (SWEDEN)

# Friday, 9 September

## Club H

08:00 - 09:30

### Instructional Course

#### Clubfoot Treatment: Evaluation of Ponseti Method

*Moderator:*

Pavel DUNGL (CZECH REPUBLIC)

#### **PATHOMORPHOLOGY OF CLUBFOOT**

Ernesto IPPOLITO (ITALY)

#### **CLASSIFICATION SYSTEMS OF CONGENITAL CLUBFOOT**

Alain DIMEGLIO (FRANCE)

#### **TREATMENT BY MANIPULATION ACCORDING TO PONSETI PRINCIPLES**

Jiri CHOMIAK (CZECH REPUBLIC)

#### **EVALUATION OF THE RESULTS OF CLUBFOOT TREATMENT INCLUDING GAIT ANALYSIS**

Franz GRILL (AUSTRIA)

#### **SURGICAL TREATMENT OF RELAPSED CLUBFOOT, OF RESIDUAL DEFORMITIES AND COMPLICATIONS**

Rüdiger KRAUSPE (GERMANY)

09:30 - 10:00

*Coffee break*

10:00 - 11:30

### Free Papers

#### Foot & Ankle - Miscellaneous III

*Moderators:*

Hashem ALKHATIB (UNITED ARAB EMIRATES) & Ludek ZMOLIK (CZECH REPUBLIC)

- 29941 ARTHRODESIS OF LOWER EXTREMITIES WITH BLOCKING INTRAMEDULLARY NAIL**  
Victor VOLOSHIN, Konstantin SHEVYRIEV, Vladimir ZUBIKOV, Anatoliy EREMIN (RUSSIA)
- 29056 BIOMECHANICAL COMPARISON OF CYCLIC STABILITY AND LOAD TO FAILURE OF ACHILLES TENDON REPAIR WITH NINE DIFFERENT SUTURES**  
Andrey SEREDA, Andrey GRITSYUK, Maksim TIMAKOV (RUSSIA)
- 29399 RESULTS AND FUNCTIONAL OUTCOME OF TRAUMATIC SECONDARY ARTHROSIS OF THE ANKLE JOINT TREATED BY INTERNAL ARTHRODESIS**  
Sven JUNG, Levent ÖZOKYAY, Thomas SCHILDHAUER, Marlon COULIBALY (GERMANY)
- 27368 TOTAL ANKLE REPLACEMENT – LONG-TERM SURVIVAL ANALYSIS**  
Rohit DHAWAN, Vikas SHARMA, Ramesh NAYAK (UNITED KINGDOM)
- 30162 IS LAG SCREW FIXATION CRUCIAL IN LATERAL MALLEOLUS FRACTURE FIXATION?**  
Sujith SIDHARTHAN, Andrew JARVIS (UNITED KINGDOM)
- 28385 INDICATION OF ARTHROSCOPIC DRILLING AND RETROGRADE CANCELLOUS BONE TRANSPLANTATION FOR THE TREATMENT OF OSTEOCHONDRAL LESIONS OF THE ANKLE ACCORDING TO SUBCHONDRAL BONE CONDITION**  
Masato TAKAO, Ken INNAMI, Wataru MIYAMOTO, Takashi MATSUSHITA (JAPAN)

- 28686 OPEN REDUCTION AND INTERNAL FIXATION IN INTRAARTICULAR CALCANEAL FRACTURES:  
TECHNICAL PITFALLS, CONTROVERSIES AND SOLUTION TO THE PROBLEMS**  
Aleh KORZUN, Alexander BELETSKY, Alexandre SITNIK, Alexandre LINOV (BELARUS)
- 29092 HOW VALID ARE FOOT AND ANKLE OUTCOMES MEASURES AND INSTRUMENTS?**  
Diarmuid DE FAOITE<sup>1</sup>, Beate HANSON<sup>1</sup>, Michael SUK<sup>2</sup>, David HELFET<sup>2</sup>  
<sup>1</sup>(SWITZERLAND), <sup>2</sup>(UNITED STATES)
- 28673 SAFETY PROFILE OF SURAL NERVE IN POSTEROLATERAL APPROACH TO THE ANKLE JOINT  
– MRI STUDY**  
Pregash ELLAPPARADJA, Yaya HUSAMI, Ian MCLEOD (UNITED KINGDOM)