

38th SICOT Orthopaedic World Congress



30 November - 2 December 2017
Cape Town  South Africa

FINAL PROGRAMME

Programme Colour Scheme

Foot & Ankle
Hand
Hip
Infections
Knee
Miscellaneous
Paediatrics
Research
Shoulder & Elbow
Spine
Sports Medicine
Trauma
Tumours

Industry-Sponsored
JAM (Just a Minute) Papers
Partner Society
Plenary Lecture
Short Free Papers
Young Surgeons

Videos & Debates

7th SICOT Educational Day – The Hip



Wednesday, 29 November

Roof Terrace

08:30 - 08:50 **Theme: The Hip**

Chairman:

Vikas KHANDUJA (UNITED KINGDOM)

WELCOME & INTRODUCTION

Vikas KHANDUJA (UNITED KINGDOM)

YSC & ITS ACTIVITIES

Fatih KUCUKDURMAZ (TURKEY)

08:50 - 09:50 **The Paediatric Hip**

Moderator:

Patricia FUCS (BRAZIL)

DEVELOPMENTAL DYSPLASIA OF THE HIP (BEFORE WALKING AGE)

Joshua HYMAN (UNITED STATES)

DEVELOPMENTAL DYSPLASIA OF THE HIP (AFTER WALKING AGE)

Ashok JOHARI (INDIA)

PERTHES DISEASE

Krish VEMULAPALLI (UNITED KINGDOM)

SLIPPED CAPITAL FEMORAL EPIPHYSIS

Shantharam SHETTY (INDIA)

INTERACTIVE CLINICAL CASES (THREE)

John DORMANS (UNITED STATES)

09:50 - 11:00 **Hip Basics**

Moderator:

Emmanuel AUDENAERT (BELGIUM)

APPLIED ANATOMY OF THE HIP JOINT

Satish KUTTY (UNITED KINGDOM)

SURGICAL EXPOSURES TO THE HIP JOINT

Zachary POST (UNITED STATES)

BASIC BIOMECHANICS OF THE HIP JOINT

Emmanuel AUDENAERT (BELGIUM)

CLINICAL EXAMINATION OF THE HIP JOINT

Anil RANAWAT (UNITED STATES)

IMAGING OF THE HIP JOINT

Jan SOMERS (BELGIUM)

11:00 - 11:30 *Break*

11:30 - 13:00 **Hip Trauma**

Moderator:

Hatem SAID (EGYPT)

ACETABULAR FRACTURES & DISLOCATIONS

Arindam BANERJEE (INDIA)

INTRACAPSULAR FRACTURES OF THE FEMORAL NECK

Jan DE VOS (SOUTH AFRICA)

EXTRACAPSULAR FRACTURES OF THE FEMORAL NECK

Hatem SAID (EGYPT)

STRESS FRACTURES OF THE FEMORAL NECK

Vijay SHETTY (INDIA)

PERIPROSTHETIC FRACTURES AROUND THE HIP

Robert MCLENNON SMITH (SOUTH AFRICA)

INTERACTIVE CLINICAL CASES (THREE)

Hatem SAID (EGYPT)

13:00 - 13:30 *Break*

13:30 - 14:20 **Young Adult Hip Pathology**

Moderator:

Vikas KHANDUJA (UNITED KINGDOM)

THE DYSPLASTIC HIP

Ajay MALVIYA (UNITED KINGDOM)

FEMOROACETABULAR IMPINGEMENT

Thane MUNTING (SOUTH AFRICA)

AVASCULAR NECROSIS OF THE FEMORAL HEAD

Anil RANAWAT (UNITED STATES)

EXTRA-ARTICULAR HIP IMPINGEMENT SYNDROMES

Vikas KHANDUJA (UNITED KINGDOM)

INTERACTIVE CLINICAL CASES (TWO)

Thane MUNTING (SOUTH AFRICA)

14:20 - 15:00

Procedures Around the Hip Joint

Moderator:

Peter YAU (HONG KONG)

HIP ARTHROSCOPY

Vikas KHANDUJA (UNITED KINGDOM)

HIP ARTHRODESIS

Fatih KUCUKDURMAZ (TURKEY)

OSTEOTOMIES AROUND THE HIP JOINT

Ajay MALVIYA (UNITED KINGDOM)

EXCISION ARTHROPLASTY OF THE HIP

Rene VERDONK (BELGIUM)

15:00 - 15:30

Break

15:30 - 16:30

Primary Total Hip Replacement

Moderator:

Ashok JOHARI (INDIA)

PRINCIPLES OF PRIMARY THR

Zachary POST (UNITED STATES)

FIXATION IN PRIMARY THR

Jan SOMERS (BELGIUM)

BEARING SURFACES IN PRIMARY THR

Tomas TRC (CZECH REPUBLIC)

THE DIFFICULT PRIMARY THR

Rajesh MALHOTRA (INDIA)

COMPLICATIONS FOLLOWING THR

Anant MAHAPATRA (IRELAND)

INTERACTIVE SESSION (3 CASES)

Alan NORRISH (UNITED KINGDOM)

16:30 - 17:00

Revision Total Hip Replacement

Moderator:

Vikas KHANDUJA (UNITED KINGDOM)

PRINCIPLES OF REVISION – ASEPTIC LOOSENING

Satish KUTTY (UNITED KINGDOM)

PRINCIPLES OF REVISION – INFECTED THR

Alan NORRISH (UNITED KINGDOM)

OUTCOMES FOLLOWING THR – REGISTRY DATA

Jan DE VOS (SOUTH AFRICA)

CLOSING REMARKS AND EVALUATION

Vikas KHANDUJA (UNITED KINGDOM)

24th Cooperative Course for Polytrauma Management



Wednesday, 29 November

Room 2.61-2.62

08:45 - 10:00

General Considerations

Moderators:

Guenter LOB (GERMANY), Hans-Christoph PAPE (SWITZERLAND)

EPIDEMIOLOGY, PATTERN OF MORTALITY, DEFINITION OF POLYTRAUMA

Roman PFEIFER (SWITZERLAND)

ROAD SAFETY

Guenter LOB (GERMANY)

INITIAL MANAGEMENT OF SEVERE HAEMORRHAGE AND CHEST TRAUMA

Hans-Christoph PAPE (SWITZERLAND)

EARLY DIAGNOSTIC PROCEDURES

Michel TEUBEN (SWITZERLAND)

10:00 - 10:30 *Break*

10:30 - 11:30

Special Problems I

Moderators:

Vilmos VECSEI (AUSTRIA), Gershon VOLPIN (ISRAEL)

STRATEGIES AND TREATMENT OF BRAIN INJURIES

Stephan FRENZEL (AUSTRIA)

ABDOMINAL INJURIES: INDICATIONS FOR SURGERY

Vilmos VECSEI (AUSTRIA)

ETC VERSUS DCO

Gershon VOLPIN (ISRAEL)

CLEARING TRAUMA PATIENTS FOR SURGERY: WHICH PARAMETERS ARE THE BEST?

Roman PFEIFER (SWITZERLAND)

11:30 - 12:00

Case Session I

Moderators:

Stephan FRENZEL (AUSTRIA), Vilmos VECSEI (AUSTRIA)

12:00 - 13:30 *Break*

13:30 - 14:30

Special Problems II

Moderators:

David HAK (UNITED STATES), Roman PFEIFER (SWITZERLAND)

AMPUTATION VERSUS RECONSTRUCTION

David HAK (UNITED STATES)

SIRS AND MODS IN THE ICU

Michel TEUBEN (SWITZERLAND)

PENETRATING INJURIES

Gerhard ACHATZ (GERMANY)

14:30 - 15:00

Video Session

Moderator:

Ruben PERALTA (QATAR)

VIDEO: EMERGENCY THORACOTOMY

Ruben PERALTA (QATAR)

VIDEO: ABDOMINAL PACKING / PELVIC PACKING

Gerhard ACHATZ (GERMANY)

15:00 - 15:30 *Break*

15:30 - 16:30

Orthopaedic Emergencies/Urgencies

Moderators:

David HAK (UNITED STATES), Shanmuganathan RAJASEKARAN (INDIA)

OPEN FRACTURES / SOFT TISSUE MANAGEMENT

Thami BENZAKOUR (MOROCCO)

WHICH SPINAL FRACTURES REQUIRE EMERGENCY SURGERY?

Shanmuganathan RAJASEKARAN (INDIA)

STABILISATION OF HEMODYNAMICALLY UNSTABLE PATIENTS WITH PELVIC INJURIES

David HAK (UNITED STATES)

16:30 - 17:00

Reconstruction & Outcome

Moderators:

Roman PFEIFER (SWITZERLAND), Ramesh SEN (INDIA)

TREATMENT OF BONE DEFECTS

Roman PFEIFER (SWITZERLAND)

OBJECTIVE OUTCOME AFTER POLYTRAUMA

Roman PFEIFER (SWITZERLAND)

17:00 - 18:00

Case Session II & Practical Exercise: Definition of Polytrauma

Moderators:

Hans-Christoph PAPE (SWITZERLAND), Roman PFEIFER (SWITZERLAND)

Thursday, 30 November

Time	Auditorium II	Roof Terrace	Room 2.41-2.43	Room 2.44-2.45	Room 2.61-2.66
08:00-10:00	Invited Lecture & Free Papers Upper Limb Trauma Page 12	Invited Lecture & Free Papers Hip Preservation & Fractures Page 15	Invited Lecture & Free Papers Paediatrics I Page 20	Invited Lecture & Free Papers Sports Medicine: Meniscus Page 24	Symposium Total Knee Replacement I Page 30
10:00-10:30	Break				
10:30-12:00	Symposium Polytrauma Page 13	Symposium What's New in Total Hip Arthroplasty & How to Avoid Complications? Page 17	Symposium Update in Management of Clubfoot Page 22	Symposium Sports Medicine: Update on the Meniscus Page 25	Invited Lecture & Free Papers Knee I Page 31
12:00-12:30	Plenary Lecture (in Auditorium II) – FARES HADDAD				
12:30-13:00	Plenary Lecture (in Auditorium II) – OHENEBA BOACHIE-ADJEI				
13:00-14:00	Break	Industry-Sponsored Symposium	Break		
14:00-15:30	Symposium Complex Unique Fractures Page 14	Invited Lecture & Free Papers Hip Complications & Instability Page 18	Symposium Paediatrics: Leg Length Discrepancy Page 22	Symposium Sports Medicine: My Favourite Anterior Cruciate Ligament Reconstruction / Ligament Injuries in the Knee Page 26	Symposium Total Knee Replacement II Page 29
15:30-16:00	Break				
16:00-17:30		Symposium Proximal Femoral Fractures Page 19	Free Papers Paediatrics II Page 23	Free Papers Sports Medicine: Anterior Cruciate Ligament Page 27	Symposium Pain & Perioperative Care Page 32
18:00-19:30	OPENING CEREMONY				

Room 1.41-1.42	Room 1.43-1.44	Room 1.61-1.62	Room 1.63	Room 1.64	Exhibition Hall
AOAF Symposium Orthopaedics/ Trauma in Low-income Countries Page 32	<i>Invited Lecture & Free Papers Hand I</i> Page 36	<i>Free Papers Spine: General</i> Page 40	<i>Invited Lecture & Free Papers Research I</i> Page 44	<i>Invited Lecture & Short Free Papers Foot & Ankle</i> Page 48	
<i>Break</i>					JAM – Sports Medicine & Spine
WOC Symposium Page 33	<i>Symposium The Hand in Sports I</i> Page 37	<i>Symposium Global Spine Care</i> Page 41	<i>Symposium Research Methodology</i> Page 45	<i>Short Free Papers Shoulder</i> Page 50	
<i>Break</i>					
AOTrauma Europe Symposium Infection after Fracture Fixation Page 34	<i>Symposium The Hand in Sports II</i> Page 38	<i>Symposium Scoliosis Research Society: Complex Spine & Deformity</i> Page 42	<i>Symposium Research in Fracture Healing / Tendon & Ligament Healing</i> Page 46	<i>Short Free Papers Tumours & Miscellaneous</i> Page 52	
<i>Break</i>					JAM – Research, Paediatrics, Hand, Shoulder & Elbow
AORecon Symposium Prevention & Management of Periprosthetic Joint Infection Page 35	<i>Invited Lecture & Free Papers Hand II</i> Page 39	<i>Free Papers Spine Deformity</i> Page 43	<i>Invited Lecture & Free Papers Research II</i> Page 47	<i>Short Free Papers Trauma</i> Page 53	



Thursday, 30 November

Auditorium II

08:00 - 10:00

Invited Lecture & Free Papers – Upper Limb Trauma

Moderators:

Srinath KAMINENI (UNITED STATES), Graham TYTHERLEIGH-STRONG (UNITED KINGDOM)

Invited Speaker

STERNOCLAVICULAR ARTHROSCOPY – RECENT ADVANCES

Graham TYTHERLEIGH-STRONG (UNITED KINGDOM)

48755 FRACTURE OF BOTH BONE FOREARM IN ADULTS: MANAGEMENT BY NAILING COMPARED WITH PLATING

Amiya BERA (INDIA)

48777 UPPER LIMB GUNSHOT INJURIES: THE CAPE TOWN EXPERIENCE

Esmee ENGELMANN¹, Sithombo MAQUNGO², Stephen ROCHE², Michael HELD²
¹(NETHERLANDS), ²(SOUTH AFRICA)

48800 SCAPULA FRACTURES: PLANNING OSTEOSYNTHESIS USING 3D PRINTED ANATOMICAL MODELS

Johan CHARILAOU¹, Stephen ROCHE¹, Dey ROOPAM¹, Sudesh SIVARASU¹, Frida HANSSON², Ruan VAN STADEN¹, Sithombo MAQUNGO¹, Carey LINDEN¹
¹(SOUTH AFRICA), ²(SWEDEN)

48783 AUGMENTATION PLATE FIXATION AND BONE AUTOGRAFTING IN HUMERAL NON-UNION WITH CORTICAL THINNING AFTER INTRAMEDULLARY NAILING

Pavel VOLOTOVSKI, Aleh KORZUN (BELARUS)

48745 CLINICAL OUTCOMES IN MANAGEMENT OF UNSTABLE DISTAL RADIUS FRACTURES TREATED WITH EXTERNAL FIXATION AND INTERNAL FIXATION – A PROSPECTIVE COMPARATIVE STUDY

Manish Kumar SHARMA, Sunil Kumar DASH, Sanket MISHRA, Aurobinda DAS, Deepankar SATHAPATHY, Syed Shahruq AHMED, Anmol Shiv ARORA (INDIA)

48792 THE MANAGEMENT OF ADULT OLECRANON FRACTURES

Hammad PARWAIZ, Sherif KAMEL, Richard MURPHY, Tristan BARTON (UNITED KINGDOM)

48709 LOCKING PLATE FIXATION OF COMMUNUTED OLECRANON FRACTURES

Abhinandan KOTIAN, Santosh JEEVANNAVAR (INDIA)

48398 INTRAMEDULLARY NAILING IN THE TREATMENT OF HUMERAL SHAFT FRACTURES: IS THE DISTAL INTERLOCKING NECESSARY?

Romain COLOMBI, Pierre MARTZ, Adrien BEVAND, Ludovic LABATTUT, Brice VIARD, Emmanuel BAULOT (FRANCE)

- 46194 **EVALUATION OF OPEN REDUCTION AND INTERNAL FIXATION OF PROXIMAL HUMERAL FRACTURES USING A LOCKING PLATE WITH SMOOTH PEGS – A RETROSPECTIVE STUDY**
Frida HANSSON, Anders EKELUND (SWEDEN)
- 47899 **THE USE OF PRE-CONTOURED ANATOMICAL LOCKING PLATE IN THE MANAGEMENT OF DISPLACED MIDSHAFT CLAVICLE FRACTURES**
Nikhil SHETTY, Sanjay DHAR, Arif K. SALAUDDIN, Sachin KALE, Vijay SHETTY, Rohan GALA (INDIA)
- 47469 **MANAGEMENT OF MIDSHAFT CLAVICULAR FRACTURES: COMPARISON BETWEEN NON-OPERATIVE TREATMENT AND OPERATIVE IN 60 PATIENTS**
Gyan RANJAN, Benu Gopal DAS, Ravi Ranjan KUMAR, Abhishek JAIN (INDIA)
- 47510 **MASON TYPE II RADIAL HEAD FRACTURES: IS FIXATION JUSTIFIED?**
Christopher O'DOWD-BOOTH, John PETERS (UNITED KINGDOM)
- 47122 **A COMPARISON OF NON-OPERATIVE VERSUS OPERATIVE FIXATION OF HUMERAL SHAFT FRACTURES – A FIVE-YEAR EXPERIENCE AT ONE TRAUMA CENTRE**
Robert JORDAN, Rajiv GOGNA, Gurdip CHAHAL, Peter WALL, Nicholas SMITH, Chetan MODI, Imran AHMED (UNITED KINGDOM)
- 46542 **COMPARISON BETWEEN RADIAL HEAD EXCISION VERSUS RADIAL HEAD REPLACEMENT BASED ON MAYO ELBOW SCORING IN COMMUNUTED RADIAL HEAD FRACTURES**
Ayush SINGH, Pawar EKNATH, Mahajan NEETIN, Aneja KUNAL, Shah NADIR, Sharma AROHI, Mukherjee SUNIRMAL, Mangukiya HITESH, Ramteke UJWAL (INDIA)

10:00 - 10:30 *Break*

10:30 - 12:00 **Symposium – Polytrauma**

Moderators:

Hans-Christoph PAPE (SWITZERLAND), Gershon VOLPIN (ISRAEL)

TRAUMA REGISTRY DATA: TARN

Rebecca HASLER (SWITZERLAND)

INITIAL ASSESSMENT OF POLYTRAUMATISED PATIENT

Roman PFEIFER (SWITZERLAND)

DEBATE: THE OPTIMAL PATIENT FOR EARLY TOTAL CARE

James WADDELL (CANADA)

DEBATE: WHY I PERFORM DCO

Gershon VOLPIN (ISRAEL)

HOW TO HANDLE DELAYED PRESENTATION

Fred OTSYENO (KENYA)

DAMAGE CONTROL OF MANGLED LIMBS

Reiner SCHNETTLER (GERMANY)

POLYTRAUMA – THE TIME OF SURGERY: CASE BASED SESSION

Vilmos VECSEI (AUSTRIA)

DISCUSSION

12:00 - 12:30 *Plenary Lecture – FARES HADDAD*

Chairmen:

Keith LUK (HONG KONG), Vikas KHANDUJA (UNITED KINGDOM)

OPTIMISING OUTCOMES IN HIP AND KNEE SURGERY: THE NEED FOR CONTINUED FOCUSED INNOVATION

Fares HADDAD (UNITED KINGDOM)

12:30 - 13:00 *Plenary Lecture – OHENEBA BOACHIE-ADJEI*

Chairmen:

John DORMANS (UNITED STATES), Shanmuganathan RAJASEKARAN (INDIA)

MAKING STATE OF THE ART ORTHOPAEDIC AND SPINE CARE SUSTAINABLE IN UNDERSERVED REGIONS: THE FOCOS PARADIGM – ONE MAN’S JOURNEY AND HOW IT WAS DONE

Oheneba BOACHIE-ADJEI (GHANA)

13:00 - 14:00 *Break*

14:00 - 15:30 *Symposium – Complex Unique Fractures*

Moderators:

Jose Sergio FRANCO (BRAZIL), Gershon VOLPIN (ISRAEL)

4-PART HUMERUS AND FRACTURE DISLOCATIONS

Jose Sergio FRANCO (BRAZIL)

DISPLACED INTRA-ARTICULAR FRACTURES OF THE GLENOID OF THE SHOULDER

Gershon VOLPIN (ISRAEL)

SURGICAL TREATMENT OF UNSTABLE CERVICAL SPINE FRACTURE

Jordan SAVESKI (MACEDONIA)

COMPLEX ANKLE FRACTURES AND DISLOCATION

Luis LOPEZ-DURAN STERN (SPAIN)

COMPLEX FRACTURES OF THE ELBOW

Lee VAN RENSBURG (UNITED KINGDOM)

UNSTABLE THORACOLUMBAR SPINE FRACTURES

Shanmuganathan RAJASEKARAN (INDIA)

DISCUSSION

18:00 - 19:30

OPENING CEREMONY

Please see page **Error! Bookmark not defined.** for more information.



Thursday, 30 November
Roof Terrace

08:00 - 10:00

Invited Lecture & Free Papers – Hip Preservation & Fractures

Moderators:

Dick Ronald VAN DER JAGT (SOUTH AFRICA), Oliver MARIN-PENA (SPAIN)

Invited Speaker

ARTHROPLASTY AND HIV

Dick Ronald VAN DER JAGT (SOUTH AFRICA)

47282 JOINT-PRESERVING REGENERATIVE THERAPY USING CONTROLLED RELEASE OF RHHGF-2 FOR PATIENTS WITH OSTEONECROSIS OF THE FEMORAL HEAD

Yutaka KURODA, Shuichi MATSUDA (JAPAN)

47360 HEALING PROCESS OF OSTEONECROTIC LESIONS OF THE FEMORAL HEAD FOLLOWING TRANSTROCHANTERIC ROTATIONAL OSTEOTOMY: A COMPUTED TOMOGRAPHY-BASED STUDY

Won Yong SHON, Devendra LAKHOTIA, Chirayu DWIVEDI (SOUTH KOREA)

- 47576 PERIACETABULAR QUADRUPLE OSTEOTOMY OF PELVIS IN OLDER CHILDREN: CT SCAN ANALYSIS OF ACETABULAR RETROVERSION AND ANTERIOR OVER COVERAGE OF THE HIP, PREVENTING FEMORAL ACETABULAR IMPINGEMENT**
Hassan NAJDI, Elie MAKHOUL, Hussein FARHAT, Roger JAWISH (LEBANON)
- 46869 HOSPITAL PREFERENCES FOR HIP FRACTURE PROCEDURE TYPE AND RATES OF BLOOD TRANSFUSION: IS THERE A RELATIONSHIP?**
James Patterson WADDELL, Josian PETGRAVE, Vanessa WILLSON, Erik HELLSTEN (CANADA)
- 48171 ILIZAROV HIP RECONSTRUCTION OR PELVIC SUPPORT OSTEOTOMY FOR TREATMENT OF HIP INSTABILITY**
M. Mofakhhkarul BARI (BANGLADESH)
- 48836 SHORT-TERM RESULTS OF DIGASTERIC OSTEOTOMY AND PROXIMAL FEMORAL SHORTENING TECHNIQUE FOR TOTAL HIP ARTHROPLASTY IN ADULT PATIENTS WITH DEVELOPMENTAL DYSPLASIA OF THE HIP CROWE TYPE 4**
Afshin TAHERIAZAM (IRAN)
- 47275 PREDICTOR VARIABLES IN ACETABULAR FRACTURES: OUR EXPERIENCE IN 111 CONSECUTIVE PATIENTS**
Gonzalo LUENGO ALONSO, Elena VACAS SANCHEZ, Jose Luis LEON BALTASAR, Ainhoa Nekane TORO IBARGUEN, Pedro CABA DOUSSOUX (SPAIN)
- 48731 VALIDITY OF SELECTED PATIENT-REPORTED OUTCOMES MEASUREMENT INFORMATION SYSTEM (PROMIS) MEASURES IN PATIENTS WITH LEGG-CALVÉ-PERTHES DISEASE**
Joshua HYMAN¹, Hiroko MATSUMOTO¹, Anas MINKARA¹, Rebecca Joy NELSON¹, Fay CALLEJO¹, Julie YOSHIMACHI¹, Hitesh SHAH², Wudbhav SANKAR¹, Paul CHOI¹, Jennifer Casey LAINE¹, Joseph JANICKI¹, Mihir THACKER¹, Tim THACKER¹, Derek Michael KELLY¹, Charles MEHLMAN¹, Scott ROSENFELD¹, Harry Kwang-Woo KIM¹
¹(UNITED STATES), ²(INDIA)
- 46867 TRENDS AND VARIATIONS IN THE QUALITY OF HIP FRACTURE CARE IN ONTARIO HOSPITALS FROM 2011 TO 2015: EXAMINING RESULTS FROM A PROVINCIAL HOSPITAL SCORECARD**
James Patterson WADDELL, Josian PETGRAVE, Vanessa WILLSON, Erik HELLSTEN (CANADA)
- 48161 PERIPROSTHETIC FEMUR FRACTURE FOLLOWING TREATMENT WITH CEPHALOMEDULLARY NAIL: A RETROSPECTIVE SINGLE CENTRE EXPERIENCE**
Nikolaus LANG, Julian JOESTL, Stephan PAYR, Patrick PLATZER, Kambiz SARAHRUDE (AUSTRIA)

- 46886 ALIGNMENT VIEW BEFORE TOTAL HIP ARTHROPLASTY IN DYSPLASTIC HIPS CAN FIND SOME CASES FOR DISTAL OSTEOTOMY WITHOUT SHORTENING BY NEW MECHANICAL AXIS AFTER INSERTING CUP AND STEM: AN IMPORTANT TECHNICAL POINT**
Dariussh GOURAN SAVADKOOHI, Babak SIAVASHI (IRAN)
- 48813 A NEW NAVIGATION INSTRUMENT FOR CORRECT POSITIONING OF BOTH COMPONENTS WITHIN THE COMBINED SAFE-ZONE (SSAFE-ZONE) IN TOTAL HIP ARTHROPLASTY**
Karl-Heinz WIDMER (SWITZERLAND)
- 47831 EFFECT OF A FAST RECOVERY PROGRAMME ON BLOOD LOSS AND TRANSFUSION RATE IN UNCEMENTED THA USING EXIA T/PLASMAFIT COMPONENTS**
Peter ALDINGER, Michael CLARIUS, Esra JUNGEL (GERMANY)
- 47646 THE MALAWI NATIONAL JOINT REGISTRY: 10-YEAR OUTCOME OF JOINT REPLACEMENT IN A LOW-INCOME COUNTRY**
Simon GRAHAM¹, Nicholas LUBEGA², Nyengo MKANDAWIRE², William J. HARRISON³
¹(SOUTH AFRICA), ²(MALAWI), ³(UNITED KINGDOM)

10:00 - 10:30 *Break*

10:30 - 12:00

Symposium – What's New in Total Hip Arthroplasty & How to Avoid Complications?

Moderators:

Jacques CATON (FRANCE), Andre FERREIRA (FRANCE)

MODERN CONSTRAINED CUPS

Philippe HERNIGOU (FRANCE)

DIRECT ANTERIOR APPROACH: IMPROVEMENT OR VOGUE?

Sebastien LUSTIG (FRANCE)

CHECKLIST MANDATORY?

Jacques CATON (FRANCE)

MODERN CEMENTLESS STEM AND SHORT STEM

Jean Marc PUCH (FRANCE)

BIG HEADS

Fares HADDAD (UNITED KINGDOM)

HXLPE

Alessandro BISTOLFI (ITALY)

DUAL MOBILITY CUP

Jean-Louis PRUDHON (FRANCE)

FAST TRACK

Fatih KUCUKDURMAZ (TURKEY)

CONCLUSIONS

Andre FERREIRA (FRANCE)

DISCUSSION

12:00 - 12:30 *Plenary Lecture – FARES HADDAD (in Auditorium II)*

12:30 - 13:00 *Plenary Lecture – OHENEBA BOACHIE-ADJEI (in Auditorium II)*

13:00 - 14:00 *Industry-Sponsored Symposium*

*Please see page **Error! Bookmark not defined.** for more information.*

14:00 - 15:30 *Invited Lecture & Free Papers – Hip Complications & Instability*

Moderators:

Koos JORDAAN (SOUTH AFRICA), Eduardo SALVATI (UNITED STATES)

Invited Speaker

FOUR DECADES OF EXPERIENCE ON TWO-STAGE REIMPLANTATION OF INFECTED TOTAL HIP ARTHROPLASTIES AT THE HOSPITAL FOR SPECIAL SURGERY, NY, USA

Eduardo SALVATI, Barry BRAUSE, Geoffrey WESTRICH, Alejandro GONZALEZ DELLA VALLE (UNITED STATES)

47718 ECONOMIC COST OF DISLOCATION IN THA IN FRANCE
Jacques CATON, Andre FERREIRA, Patrice PAPIN (FRANCE)

46944 DOES ACETABULAR COMPONENT POSITIONING IN THA WITH REFERENCE TO TRANSVERSE ACETABULAR LIGAMENT HELP? A CT BASED STUDY
Sidhant GOYAL, Dhanrajan GOKUL RAJ, Umashankar THIYAGARAJAN (INDIA)

47923 INSTABILITY IN THR – PREVENTION & MANAGEMENT
Chetan SOOD (INDIA)

- 46812 DISLOCATIONS AFTER USE OF DUAL MOBILITY CUPS IN CEMENTLESS PRIMARY TOTAL HIP ARTHROPLASTY: A PROSPECTIVE MULTICENTRE SERIES IN KOREA**
Kwang-Jun OH, Yeesuk KIM, Sangmin KIM, Jihyo HWANG (SOUTH KOREA)
- 47313 DUAL MOBILITY TOTAL HIP ARTHROPLASTY COUPLED WITH ACETABULAR RECONSTRUCTION IN THE SETTING OF ACETABULAR DYSMORPHISM IN COMPLEX PRIMARY/REVISION ARTHROPLASTY – A CASE SERIES**
Gandhi Nathan SOLAYAR, Abdul Rauf AHMAD (MALAYSIA)
- 47397 TOTAL HIP ARTHROPLASTY USING DIRECT ANTERIOR APPROACH AND DUAL MOBILITY CUP: IMPLICATIONS FOR IMPLANT POSITIONING – CONSECUTIVE SERIES OF 200 THAS**
Sebastien LUSTIG, Cecile BATAILLER, Elvire SERVIEN (FRANCE)
- 47112 DURATION AFTER LUMBAR SPINAL FUSION SURGERY AFFECTS TOTAL HIP ARTHROPLASTY OUTCOMES**
Lei JIANG, Moses Jing Long LOH, Hwei Chi CHONG, Seng Jin YEO, Ngai Nung LO (SINGAPORE)
- 46239 IMPACT OF LIMB LENGTH DISCREPANCY ON FUNCTIONAL OUTCOME FOLLOWING TOTAL HIP REPLACEMENT**
Sudhir Kumar GARG, Love KAPOOR, Sandeep GUPTA, Purnima AGGARWAL (INDIA)

15:30 - 16:00 *Break*

16:00 - 17:30 **Symposium – Proximal Femoral Fractures**

Moderator:

Jacques CATON (FRANCE)

CLASSIFICATION AND PRE-OPERATIVE PLANNING

Fatih KUCUKDURMAZ (TURKEY)

ORIF

James WADDELL (CANADA)

CEMENTED ARTHROPLASTIES

Laszlo BUCSI (HUNGARY)

CEMENTLESS ARTHROPLASTIES

Andre FERREIRA (FRANCE)

ARTHROPLASTIES BY TRANSTROCHANTERIAN APPROACH

Hassan BOMBACI (TURKEY)

COMPLICATIONS

Philippe HERNIGOU (FRANCE)

DELAYED OR NON-UNION

Narinder MAGU (INDIA)

DUAL MOBILITY CUP

Jean-Louis PRUDHON (FRANCE)

ALGORITHM INDICATIONS

Lyes Aitelhadj AL (ALGERIA)

ECONOMIC ISSUES

Jacques CATON (FRANCE)

CONCLUSION

Jacques CATON (FRANCE)



Thursday, 30 November

2.41-2.43

08:00 - 10:00

Invited Lecture & Free Papers – Paediatrics I

Moderators:

Kuldeep STOHR (UNITED KINGDOM), Marek SYNDER (POLAND)

Invited Speaker

PAEDIATRIC ELBOW FRACTURES YOU CAN TREAT

Joshua HYMAN (UNITED STATES)

48210 CONGENITAL TALIPES EQUINO VARUS (CTEV) TREATMENT USING ILIZAROV FRAME: 10-YEAR EXPERIENCE AT BEIT CURE HOSPITAL, MALAWI

Nicholas LUBEGA, Hilary MAKIWA (MALAWI)

46753 A SYSTEMATIC APPROACH FOR SURGICAL TREATMENT OF CONGENITAL VERTICAL TALUS: MID-TERM FOLLOW-UP OF 96 CASES

Viachaslau BRADKO, Heorhi BRADKO, Alexander BELETSKY (BELARUS)

46992 RELAPSE OF DEFORMITY AFTER PONSETI TREATMENT OF CLUBFOOT

Hardas Singh SANDHU, Parvinder SANDHU, Vani AHUJA (INDIA)

48785 ASSOCIATIONS AND RISK FACTORS OF RELAPSED IDIOPATHIC CLUBFEET WHEN USING PONSETI METHOD

Hatem Ahmed KOTB (EGYPT)

- 47986 COMPARISON OF TWO DIFFERENT EDUCATIONAL MODELS IN CLUBFOOT TREATMENT TRAINING – PRELIMINARY DATA**
Tatiana GUERSCHMAN, Monica NOGUEIRA (BRAZIL)
- 48201 ARTHRORISIS WITH FLATFOOT IMPLANT (FFI): 11 YEARS OF TREATMENT**
Roberto PELUCCHI¹, Antonio MEMEO¹, Raffaele Dario D'AMATO¹, Laura PERETTO¹, Fabio VERDONI¹, Jacques CATON²
¹(ITALY), ²(FRANCE)
- 48189 THE PERFUSED, PULSELESS HAND FOLLOWING CLOSED REDUCTION OF THE PAEDIATRIC SUPRACONDYLAR HUMERUS FRACTURE: SHOULD WE EXPLORE OR OBSERVE? A SYSTEMATIC REVIEW**
Sunny PARIKH (UNITED KINGDOM)
- 48153 LATERAL ELBOW SOFT TISSUE SWELLING AND LATE DISPLACEMENT OF MINIMALLY DISPLACED LATERAL HUMERUS CONDYLE FRACTURE – A NEW RADIOGRAPHIC MEASUREMENT**
Wu Chean LEE, Suraya ZAINUL ABIDIN, Kai Yet LAM, Arjandas MAHADEV (SINGAPORE)
- 46251 FOR DISPLACED IRREDUCIBLE DISTAL INTRAFOCAL PIN REDUCTION TECHNIQUE THIRD RADIUS FRACTURE WITH OR WITHOUT DISTAL ULNA FRACTURE IN CHILDREN**
Hitesh DAWAR, Surbhit RASTOGI (INDIA)
- 46392 BRODIE'S ABSCESS COMPLICATING PERCUTANEOUS KIRSCHNER-WIRE FIXATION OF DISTAL RADIUS FRACTURE IN CHILDREN REQUIRING SURGICAL DRAINAGE: A REPORT ON 2 CASES**
Paramita MITRA, Laszlo ZOLCZER, Patrick FADERO, Shah MAHIR, Karen DALY (UNITED KINGDOM)
- 46529 FEMORAL NECK LENGTHENING OSTEOTOMY AFTER GROWTH DISTURBANCE OF THE PROXIMAL FEMUR**
Mikhail TEPLENKIY (RUSSIA)
- 46715 FLEXIBLE NAILING FOR FRACTURE SHAFT OF FEMUR IN CHILDREN AND ADOLESCENTS IN DEVELOPING COUNTRIES**
Deepak ANANDAREDDY (INDIA)
- 46472 OPEN VERSUS CLOSED REDUCTION OF FEMORAL NECK FRACTURE IN CHILDREN**
Ziming ZHANG, Hai LI, Qing FAN, Pinquan SHEN, Xuan YANG, Ting CHEN (CHINA)
- 47293 TREATMENT OF LOWER LIMB TORSION IN CHILDREN**
John Ellis HANDELSMAN, Harkaran RANA, Syed HUDA (UNITED STATES)

10:00 - 10:30 *Break*

10:30 - 12:00

Symposium – Update in Management of Clubfoot

Moderator:

Patricia FUCS (BRAZIL)

BEHIND THE CLINICAL ASPECTS

Matthew DOBBS (UNITED STATES)

COMPLEX AND NEGLECTED CASES

Matthew DOBBS (UNITED STATES)

CLASSICAL PONSETI METHOD

Kuldeep STOHR (UNITED KINGDOM)

THE NEED TO ADAPT THE PONSETI METHOD

Krish VEMULAPALLI (UNITED KINGDOM)

NON-IDIOPATHIC CLUBFOOT

Patricia FUCS (BRAZIL)

DISCUSSION

12:00 - 12:30

Plenary Lecture – FARES HADDAD (in Auditorium II)

12:30 - 13:00

Plenary Lecture – OHENEBA BOACHIE-ADJEI (in Auditorium II)

13:00 - 14:00

Break

14:00 - 15:30

Symposium – Paediatrics: Leg Length Discrepancy

Moderator:

Mihir THACKER (UNITED STATES)

JUST LENGTHENING

Reggie HAMDY (CANADA)

COMPLEX CASES TO LENGTHEN

Gamal HOSNY (EGYPT)

SALVAGE PROCEDURES IN LENGTHENING

Ashok JOHARI (INDIA)

DIFFICULTIES IN LENGTHENING IN CHILDREN

Aik SAW (MALAYSIA)

THE ROLE OF EPIPHYSIODESES
Mihir THACKER (UNITED STATES)

DISCUSSION

15:30 - 16:00 *Break*

16:00 - 17:30 **Free Papers – Paediatrics II**

Moderators:

Cloris KESSLER (BRAZIL), Krishna VEMULAPALLI (UNITED KINGDOM)

- 47860 LONG-TERM RESULTS OF FIBULAR-ACHILLES TENODESIS (WESTIN'S TENODESIS) FOR PARALYTIC PES CALCANEUS: IS HYPERCORRECTION AVOIDABLE? A LONGITUDINAL RETROSPECTIVE STUDY**
Patricia M. Moraes Barros FUCS, Helder Henzo YAMADA (BRAZIL)
- 48600 RISK FACTORS FOR UNDERCORRECTION OF PLANOVALGUS FEET IN CEREBRAL PALSY AFTER THE TRIPLE C PROCEDURE**
Ahmed OMRAN, Mostafa ELSHERBINI, Osama ELSHAZLY, Mohammed MOKHTAR, Rana EL-HILALY (EGYPT)
- 47441 ADEQUATE SCOLIOSIS CORRECTION MAY PREVENT FURTHER HIP SUBLUXATION/DISLOCATION IN SPINAL MUSCULAR ATROPHY (SMA) PATIENTS AFTER SURGERY**
Po-Yin SHEN, Po-Chih SHEN, Yin-Chun TIEN, Hui-Yu WANG, Chin-Wei HUANG, Chien-Ju LIU (TAIWAN)
- 48000 PULMONARY FUNCTION AND SURVIVAL OUTCOMES IN DUCHENNE MUSCULAR DYSTROPHY SCOLIOSIS (COMPARISON OF THE DIFFERENCES BETWEEN SURGICAL AND NON-SURGICAL TREATMENT)**
Hak Sun KIM, Seungjin CHOI, Kichan AHN, Joong Won HA (SOUTH KOREA)
- 46912 SPRENGEL SHOULDER –SINGLE CENTRE EXPERIENCE 2000/2016**
Petra HAMRIKOVA, David Bruce MCDONALD, Zayed Saleh AL ZAYED (SAUDI ARABIA)
- 48408 NON-VASCULARISED FREE TOE PHALANX TRANSFERS IN CONGENITAL HAND DEFORMITIES**
Bruno CORREIA, Pedro BARREIRA, Pedro SERRANO, Marta SILVA, César SILVA (PORTUGAL)
- 47209 SURGICAL CORRECTION OF CERVICAL KYPHOSIS IN DIASTROPHIC DYSPLASIA WITH ANTERIOR CORPECTOMY, POSTERIOR TETHERING WITH 360° FUSION**
Mihir THACKER, William MACKENZIE, John HEYDEMANN, Kenneth ROGERS, Jeffrey CAMPBELL, Suken SHAH (UNITED STATES)

- 46183 RESULTS OF USING A 4-HOLE PLATE TO CORRECT LEG LENGTH DISCREPANCY**
Sergei SERDJUCHENKO, Alexander BELETSKY, Aleh SAKALOUSKI (BELARUS)
- 46661 “TEMPORARY” SHORT-SEGMENT RIGID INTERNAL FIXATION FOR TEENAGERS’ ISTHMUS SPONDYLOLYSIS**
Yun-Fei HUANG, Meng YIBIN, Xin HE, Xukai XUE, Lei GUO (CHINA)
- 48642 MODELLING THORACOPLASTY IN PATIENTS WITH IDIOPATHIC SCOLIOSIS – PROSPECTIVE CONTROLLED STUDY**
Oleg DULUB, Darya TESAKOVA, Alexander BELETSKY, Andrey MAZURENKA, Dmitry TESAKOV (BELARUS)
- 48512 BILATERAL DISPLACED LATE PRESENTING ASYNCHRONOUS TRAUMATIC SALTER HARRIS TYPE II TRANSPHYSEAL HIP FRACTURES**
Khaled EL ADWAR (EGYPT)



08:00 - 10:00 **Invited Lecture & Free Papers – Sports Medicine: Meniscus**

Moderators:

Joel MELTON (UNITED KINGDOM), Rene VERDONK (BELGIUM)

Invited Speaker **UPDATE ON THE MENISCAL REPLACEMENT**
Rene VERDONK (BELGIUM)

- 48467 ARTHROSCOPIC REDUCTION AND INTERNAL FIXATION WITH CANNULATED CANCELLOUS SCREWS FOR TIBIAL AVULSION FRACTURES – CLINICAL AND FUNCTIONAL OUTCOME OF 50 PATIENTS**
Sahil SANGHAVI (INDIA)
- 47635 HISTOPATHOLOGICAL AUDIT OF ARTHROSCOPIC SYNOVIAL BIOPSIES DONE FOR PERSISTENT KNEE EFFUSIONS**
Thando NCUBE, Sebastian MAGOBOTHA (SOUTH AFRICA)
- 47451 EFFECT OF TIMING ON OUTCOMES OF ACL SURGERY**
Joseph Benjamin KANG, Andrew Hwee Chye TAN (SINGAPORE)
- 46711 PROGRESSIVE POSTERIOR ROOT TEARS OF THE LATERAL MENISCUS – BIOMECHANICAL CONSEQUENCES**
Indranil KUSHARE, Saankritya AYAN, Allison FILLAR, Brent PARKS, Adrian PAEZ, James DREESE (UNITED STATES)

- 47411 **A COMPARISON OF ACCURACY OF CLINICAL TESTS AND MRI IN THE DIAGNOSIS OF MENISCAL AND ANTERIOR CRUCIATE LIGAMENT INJURIES**
Jamlick Micheni MUTHUURI (KENYA)
- 47471 **EXTENDED BLOCKADE OF PERIPHERAL PLEXUSES OF THE LOWER LIMBS AT ARTHROSCOPIC OPERATIONS IN CHILDREN**
Elena ARESTOVA (RUSSIA)
- 46547 **EARLY CLINICAL RESULTS OF THE ACL-INTERNAL PILLAR: A TECHNIQUE TO PREVENT EARLY POSTOPERATIVE STRETCH OF THE HAMSTRING TENDON AUTOGRAFT AFTER ACL RECONSTRUCTION**
Mohamed ABOALATA, Abdelsamie HALAWA, Yehia BASSIOUNY (EGYPT)
- 47956 **PRE-OPERATIVE JOINT INFLAMMATION: A PROGNOSTIC FACTOR FOR OUTCOME OF ARTHROSCOPIC ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION – A PROSPECTIVE STUDY**
Sourabh KHATRI, Ravi GUPTA, Vikas BACHHAL, Anil KAPOOR, David MASIH GLADSON, Mukta RAGHAV (INDIA)
- 47198 **ELECTRON AND LIGHT MICROSCOPIC ANALYSIS OF THE “LIGAMENTISED” ACL AUTOGRAFT: EVOLUTION OF THE GRAFT AND PRESENCE OF NERVE CELLS**
Ram Gautham GANESAN, Jai Thilak KAILATHUVALAPIL (INDIA)

10:00 - 10:30 *Break*

10:30 - 12:00 **Symposium – Sports Medicine: Update on the Meniscus**

Moderators:

Michael HELD (SOUTH AFRICA), Vikas KHANDUJA (UNITED KINGDOM)

ESSKA STATEMENT REGARDING DEGENERATE MENISCAL TEARS

Rene VERDONK (BELGIUM)

BASIC SCIENCE OF THE MENISCUS – ANATOMY & BIOMECHANICS

Frankie LEUNG (HONG KONG)

VIDEO: MENISCAL REPAIR TECHNIQUES

Peter YAU (HONG KONG)

MANAGING MENISCAL CYSTS

Alan NORRISH (UNITED KINGDOM)

MENISCAL ROOT TEARS – ANATOMY & MANAGEMENT

Michael HELD (SOUTH AFRICA)

UPDATE ON MENISCAL ALLOGRAFTS

Joel MELTON (UNITED KINGDOM)

UPDATE ON MENISCAL SCAFFOLDS

Rene VERDONK (BELGIUM)

OSTEOTOMIES FOR EARLY OA

Albert VAN KAMPEN (NETHERLANDS)

DISCUSSION

12:00 - 12:30 *Plenary Lecture – FARES HADDAD (in Auditorium II)*

12:30 - 13:00 *Plenary Lecture – OHENEBA BOACHIE-ADJEI (in Auditorium II)*

13:00 - 14:00 *Break*

14:00 - 15:30 **Symposium – Sports Medicine: My Favourite Anterior Cruciate Ligament Reconstruction**

Moderators:

Stephen ABELOW (UNITED STATES), Vikas KHANDUJA (UNITED KINGDOM)

ACL I

Stephen ABELOW (UNITED STATES)

ACL II

Joel MELTON (UNITED KINGDOM)

ACL III

Rene VERDONK (BELGIUM)

ACL IV

Pedro GUILLEN (SPAIN)

ACL V

Vikas KHANDUJA (UNITED KINGDOM)

ACL VI

Peter YAU (HONG KONG)

DISCUSSION

Symposium – Sports Medicine: Ligament Injuries in the Knee

Moderators:

Michael HELD (SOUTH AFRICA), Vikas KHANDUJA (UNITED KINGDOM)

POSTEROLATERAL CORNER INJURIES

Richard VON BORMANN (SOUTH AFRICA)

MCL AND POSTERIOR OBLIQUE LIGAMENT INJURIES

Joel MELTON (UNITED KINGDOM)

PCL INJURIES IN THE KNEE

Vikas KHANDUJA (UNITED KINGDOM)

PRINCIPLES OF MANAGEMENT OF MULTILIGAMENT KNEE INJURIES

Michael HELD (SOUTH AFRICA)

PATELLAR INSTABILITY

Albert VAN KAMPEN (NETHERLANDS)

DISCUSSION

15:30 - 16:00 *Break*

16:00 - 17:30 **Free Papers – Sports Medicine: Anterior Cruciate Ligament**

Moderators:

Stephen ABELOW (UNITED STATES), Peter YAU (HONG KONG)

- 47596 IS ACL GRAFT RUPTURE (AFTER SUCCESSFUL ACL RECONSTRUCTION AND RETURN TO SPORTS) ACTUALLY A GRAFT FAILURE OR A RE-INJURY?**
Anubhav MALHOTRA, Ravi GUPTA, Munish SOOD, Gladson David MASIH, Mukta RAGHAV (INDIA)
- 47379 PRE-SOAKING OF HAMSTRING GRAFTS REDUCES RISK OF INFECTION AFTER ACL RECONSTRUCTION – A PROSPECTIVE STUDY INCLUDING 1,000 PATIENTS**
Christoph OFFERHAUS, Jürgen HÖHER, Maurice BALKE, Mats GEHLING (GERMANY)
- 46974 FEASIBILITY AND COMPARISON OF FUNCTIONAL ULTRASONOGRAPHY (USG) IN DIAGNOSING ANTERIOR CRUCIATE LIGAMENT INJURY AS COMPARED TO GOLD STANDARD – MAGNETIC RESONANCE IMAGING (MRI)**
Sudeep KUMAR (INDIA)
- 46860 PREDICTORS OF RETURN TO SPORTS AFTER ACL RECONSTRUCTION**
Ravi GUPTA, Anil KAPOOR, Ashwani SONI, Sourabh KHATRI, Gladson David MASIH, Mukta RAGHAV (INDIA)
- 47994 POSITIONING OF ANTERIOR HORN BONE PLUG IN MEDIAL MENISCUS TRANSPLANTATION WITH ACL RECONSTRUCTION**
Cheol Hee PARK, Jung Suk KIM, Kyoung Ho YOON, Sang Eun PARK, Se Min LEE (SOUTH KOREA)

- 47952 ROLE OF PREOPERATIVE SYNOVIAL FLUID CYTOKINE MARKERS AND TYPE OF GRAFT IN CAUSING BONE TUNNEL WIDENING IN ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION: A PROSPECTIVE STUDY ON ELITE PLAYERS**
Sourabh KHATRI, Ravi GUPTA, Vikas BACHHAL, Anil KAPOOR, David MASIH GLADSON, Mukta RAGHAV (INDIA)
- 48360 POSITIVE CORRELATION OF ANTHROPOMETRIC PARAMETERS AND MEASUREMENTS WITH AUTOGRAFTS FOR ACL RECONSTRUCTION**
Harald K. WIDHALM, Veronika RÖGGLA, Martin RESCHL, Ines VIELGUT, Patrick SADOCHI (AUSTRIA)
- 47308 ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION WITH A NEW FEMORAL FIXATION DEVICE**
Gerald GRUBER, Patrick MARKO, Lukas HOLZER, Gerwin BERNHARDT, Mathias GLEHR, Andreas LEITHNER (AUSTRIA)
- 47954 OUTCOME OF ACL RECONSTRUCTION WITH 'BONE PATELLAR TENDON BONE FREE GRAFT' VS. 'SEMITENDINOSUS-GRACILIS GRAFT WITH PRESERVED INSERTIONS': A RANDOMISED CONTROL TRIAL**
Anil KAPOOR, Ravi GUPTA, Ashwani SONI, Sourabh KHATRI, David MASIH GLADSON, Mukta RAGHAV (INDIA)
- 47920 COMPARISON OF GRAFT MATURATION IN ANATOMICAL DOUBLE BUNDLED ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION BETWEEN YOUNG AND ELDERLY PATIENTS**
Masahiko SAITO, Arata NAKAJIMA, Masato SONOBE, Hiroshi TAKAHASHI, Taniguchi SHINJI, Keita KOYAMA, Junichi IWASAKI, Kouji FUJITA, Tsuguo MORIKAWA, Koichi NAKAGAWA (JAPAN)
- 48472 ARTHROSCOPIC ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION USING BONE PATELLAR TENDON GRAFT THROUGH A MODIFIED TRANS-TIBIAL TECHNIQUE – LONG-TERM FOLLOW-UP**
Prakash AYYADURAI, Sadem AMER, Suresh PERUMAL, Parthiban JEGANATHAN, Sivaraman ARUMUGAM (INDIA)
- 48264 THE RELATIONSHIP BETWEEN ACL FEMORAL TUNNEL POSITION AND POSTOPERATIVE MRI SIGNAL INTENSITY**
Jung Suk KIM, Se Min LEE, Kyoung Ho YOON, Sang Eun PARK, Cheol Hee PARK (SOUTH KOREA)



Thursday, 30 November
Room 2.61-2.66

08:00 - 10:00

Symposium – Total Knee Replacement I

Moderators:

Francesco FALEZ (ITALY), Ponky FIRER (SOUTH AFRICA)

ACTUAL LONG-TERM OUTCOMES IN TKR

Ashok RAJAGOPAL (INDIA)

WHAT CAN WE EXPECT IN THE FUTURE OF TKR?

Maximilian RUDERT (GERMANY)

DEBATE I: PATIENTS' EXPECTATIONS AND SURGEONS' ROLE

PRE-OPERATIVE PLANNING FOR A SUCCESSFUL PROCEDURE

Andrea COLOMBELLI (ITALY)

SURGICAL TRICKS AND TIPS TO MAKE A HAPPY PATIENT

Mahesh KULKARNI (INDIA)

SURGEONS' EVALUATION OF A SUCCESSFUL TKR

Ponky FIRER (SOUTH AFRICA)

WHY ARE PATIENTS NOT SATISFIED?

Manuj WADHWA (INDIA)

DISCUSSION

DEBATE II: CAN DESIGN IMPROVE OUTCOMES?

KINEMATICS IN TKR: FROM THE LAB TO THE OR

Ashok RAJAGOPAL (INDIA)

HOW TO IMPROVE JOINT CONGRUENCY

Jacques CATON (FRANCE)

ASYMMETRIC JOINT LINE

Krishnachandra Chandrashanker MEHTA (INDIA)

DESIGN AND PROPRIOCEPTION: WHAT IS THE CORRELATION?

Ponky FIRER (SOUTH AFRICA)

DISCUSSION

10:00 - 10:30 *Break*

Moderators:

Peter ALDINGER (GERMANY), Maximilian RUDERT (GERMANY)

Invited Speaker

TREATMENT OF PROGRESSIVE KNEE ARTHRITIS FOLLOWING UKR (UNICOMPARTMENTAL KNEE REPLACEMENT) – IS AN ADDITIONAL UKR A VIABLE SOLUTION?

Peter ALDINGER (GERMANY)

48224 AN EFFECTIVE PROTOCOL TO DIMINISH HIGH RENAL RISK PATIENT COMPLICATIONS

Zachary POST, Fabio OROZCO, Andres DUQUE, Rex LUTZ, Alvin ONG (UNITED STATES)

47888 RESULTS OF GENDER-SPECIFIC TOTAL KNEE ARTHROPLASTY: COMPARATIVE STUDY WITH TRADITIONAL IMPLANT IN FEMALE PATIENT

Sung-Mok OH, Seong-II BIN (SOUTH KOREA)

48238 DOES SIMULTANEOUS BILATERAL TOTAL KNEE ARTHROPLASTY MAKE SENSE IN AN ERA OF BUNDLE PAYMENTS?

Zachary POST, Alvin ONG, Rex LUTZ, Andres DUQUE, Fabio OROZCO (UNITED STATES)

47408 COMPARISON OF CLINICAL RESULTS AFTER TOTAL KNEE ARTHROPLASTY BETWEEN RHEUMATOID ARTHRITIS AND OSTEOARTHRITIS

Shinichiro NAKAMURA, Hiromu ITO, Kenji NAKAMURA, Shinichi KURIYAMA, Moritoshi FURU, Kohei NISHITANI, Shuichi MATSUDA (JAPAN)

48615 WHEN DOES THE KNEE FEEL NORMAL AGAIN? A CROSS SECTIONAL STUDY ASSESSING THE FORGOTTEN JOINT SCORE IN PATIENTS FOLLOWING TOTAL KNEE ARTHROPLASTY

Zachary POST, Victor CARLSON, Fabio OROZCO, Destiny DAVIS, Andres DUQUE, Alvin ONG (UNITED STATES)

46499 FEMORAL SHAFT BOWING IN THE CORONAL PLANE HAS MORE SIGNIFICANT EFFECT ON THE CORONAL ALIGNMENT OF TKA THAN PROXIMAL OR DISTAL VARIATIONS OF FEMORAL SHAPE

Seong-II BIN, Sung Mok OH, Jae Young KIM, Sungwook CHOI (SOUTH KOREA)

46516 THE ROLE OF TIBIAL STEM EXTENSION IN PRIMARY KNEE ARTHROPLASTY TKA

Stefan CRISTEA, Stefan CUCULICI, Roman POPESCU, Albert Stefan STANCU (ROMANIA)

48809 LONG-TERM OUTCOME OF TOTAL KNEE ARTHROPLASTY IN PATIENTS WITH SEVERE LIMITATION IN FLEXION FOLLOWING POST-TRAUMATIC DEGENERATIVE ARTHRITIS

Inayat PANDA, Ashok RAJGOPAL (INDIA)

12:00 - 12:30 *Plenary Lecture – FARES HADDAD (in Auditorium II)*

12:30 - 13:00 *Plenary Lecture – OHENEBA BOACHIE-ADJEI (in Auditorium II)*

13:00 - 14:00 *Break*

14:00 - 15:30 *Symposium –Total Knee Replacement II*

Moderators:

Francesco FALEZ (ITALY), J.V. SRINIVAS (INDIA)

STATE OF THE ART OF IMPLANT FIXATION

Manuj WADHWA (INDIA)

BALANCING AND MEASURED RESECTION: THE BEST WAY FOR IMPLANT PERFORMANCE

Gabriele PANEGROSSI (ITALY)

DEBATE III: ACCURACY IN COMPONENT POSITIONING IN TOTAL KNEE REPLACEMENT

DOES NAVIGATION REALLY IMPROVE OUTCOMES IN TKR?

Anoop JHURANI (INDIA)

DOES PRECISE ALIGNMENT MATTER IN TKR?

Ajeya ADHIKARI (UNITED KINGDOM)

CAN PSI BYPASS CAOS?

Andrea COLOMBELLI (ITALY)

WHY I STILL BELIEVE IN SURGEONS' HANDS

Ashok RAJAGOPAL (INDIA)

DISCUSSION

DEBATE IV: REVISION IN TKR

THE PREOPERATIVE PLANNING

Miroslav HASPL (CROATIA)

STEP BY STEP CCK

Francesco FALEZ (ITALY)

BONE LOSS RECONSTRUCTION OR SUBSTITUTION IN REVISION TKR

J.V. SRINIVAS (INDIA)

THE “BEYOND POSSIBLE” BONE LOSS RECONSTRUCTION

Maximilian RUDERT (GERMANY)

DISCUSSION

15:30 - 16:00 *Break*

16:00 - 17:30 **Symposium – Pain & Perioperative Care**

Moderators:

Julio FERNANDES (CANADA), Milton RAFF (SOUTH AFRICA)

SURGEONS' PERSPECTIVE

Ajeya ADHIKARI (UNITED KINGDOM)

PHARMACOLOGY – GETTING THE RIGHT BALANCE

Sean CHETTY (SOUTH AFRICA)

ULTRASOUND GUIDED BLOCKS – APPLICATION AND VALUE

Aneet KESSOW (SOUTH AFRICA)

MANAGEMENT OF SPINAL PAIN – AN AGE OLD PROBLEM

Milton RAFF (SOUTH AFRICA)

TRANEXAMIC ACID – A REVOLUTION?

William MCCLATCHIE (UNITED KINGDOM)

BLOOD LOSS – A PREDICTOR OF OUTCOME

Julio FERNANDES (CANADA)

RAPID FIRE SESSION



Thursday, 30 November

Room 1.41-1.42

08:00 - 10:00

AO Alliance Foundation Symposium – Orthopaedics/Trauma in Low-income Countries

Moderators:

Doron FRANTZEN (SOUTH AFRICA), Claude MARTIN JR. (CANADA)

ESTIMATING ECONOMIC LOSS DUE TO MSK INJURIES IN LMICS

Richard GOSSELIN (UNITED STATES)

PELVIC AND ACETABULUM SURGERY EDUCATION IN LICs: WHAT TO DO?

Jes BATES (MALAWI)

MODIFYING OUR APPROACH TO PATIENT CARE IN DEVELOPING COUNTRIES

Jim HARRISON (SWITZERLAND)

CAPACITY BUILDING THROUGH FELLOWSHIPS IN AFRICA – OUR EXPERIENCE

Nicholas LUBEGA (MALAWI)

THE BURDEN OF FRACTURES IN FOUR HOSPITALS IN MALAWI: RESULTS FROM FRACTURE CARE REGISTRIES

Linda CHOKOTHO (MALAWI)

QUESTIONS & DISCUSSION

10:00 - 10:30 *Break*

10:30 - 12:00 **World Orthopaedic Concern Symposium**

Moderators:

John DORMANS (UNITED STATES), Maritz LAUBSCHER (SOUTH AFRICA)

INTRODUCTION & STATUS OF WOC

John DORMANS (UNITED STATES)

BRIDGING THE GAP

Keith LUK (HONG KONG)

ROAD TRAFFIC SAFETY

Shanmuganathan RAJASEKARAN (INDIA)

AO ALLIANCE

Claude MARTIN JR. (CANADA)

TB SPINE: CONSERVATIVE VS. OPERATIVE TREATMENT

Anil JAIN (INDIA)

DEBATE I: HOW CAN MY ORGANISATION/NGO HELP?

TRAUMA – WHO

Shiva MURUGASAMPILLAY (ZIMBABWE)

PARTNERING WITH NGOS FOR IMPROVING ORTHOPAEDIC EDUCATION AND TRAINING IN LMICS

Wilson LI (HONG KONG)

ORTHOPAEDIC ASSOCIATION OF SAARC COUNTRIES (OASAC)

Deven TANEJA (INDIA)

ASEAN ORTHOPAEDIC ASSOCIATION
Nor Hazla MOHAMED HAFLAH (MALAYSIA)

MODERATION & CONCLUSIONS

DEBATE II: WHAT'S HAPPENING IN AFRICA?

TRAINEES GOING OVERSEAS – UNETHICAL PRACTICE OR A USEFUL CONTRIBUTION?

Laurence WICKS (UNITED KINGDOM)

SRS SPINE – REVIEW OF HOW THE FOCOS HOSPITALS WORK FOR AFRICA

Oheneba BOACHIE-ADJEI (GHANA)

ORTHOPAEDIC HIV/TB SEPSIS IN LMICS AND/OR VIOLENCE AND BALLISTIC INJURIES IN LMICS NOT AT WAR

Maritz LAUBSCHER (SOUTH AFRICA)

MODERATION & CONCLUSIONS

AWARDS: AEB AND TKS MEDAL

John DORMANS (UNITED STATES), Deven TANEJA (INDIA)

12:00 - 12:30

Plenary Lecture – FARES HADDAD (in Auditorium II)

12:30 - 13:00

Plenary Lecture – OHENEBA BOACHIE-ADJEI (in Auditorium II)

13:00 - 14:00

Break

14:00 - 15:30

AOTrauma Europe Symposium – Infection after Fracture Fixation

Moderators:

Brian BERNSTEIN (SOUTH AFRICA), Peter BRINK (NETHERLANDS)

WELCOME & INTRODUCTION

Brian BERNSTEIN (SOUTH AFRICA)

CASE PRESENTATION/DIAGNOSIS AND TREATMENT UPDATE / WITH AUDIENCE PARTICIPATION

Martin MCNALLY (UNITED KINGDOM)

OSTEOMYELITIS: THE INFLUENCE OF HIV INFECTION, PALLIATIVE CARE AND CHRONIC SUPPRESSIVE ANTIBIOTICS

Len MARAIS (SOUTH AFRICA)

DISCUSSION

10 ERRORS NOT TO COMMIT WHEN DEALING WITH AN ACUTE INFECTION AFTER FRACTURE FIXATION

Olivier BORENS (SWITZERLAND)

DISCUSSION & CLOSURE

15:30 - 16:00 *Break*

16:00 - 17:30

AORecon Symposium – Prevention & Management of Periprosthetic Joint Infection

Moderators:

Chris FREY (SOUTH AFRICA), Fares HADDAD (UNITED KINGDOM)

WELCOME & INTRODUCTION

Chris FREY (SOUTH AFRICA), Fares HADDAD (UNITED KINGDOM)

THE PREVENTION OF PERIPROSTHETIC JOINT SEPSIS

Olivier BORENS (SWITZERLAND)

THE DIAGNOSIS OF PERIPROSTHETIC INFECTION – NEW DEVELOPMENTS

Carsten PERKA (GERMANY)

MANAGEMENT ALGORITHMS AND THE ROLE OF SINGLE STAGE SURGERY

Fares HADDAD (UNITED KINGDOM)

MANAGING THE INTERVAL AND REIMPLANTATION IN STAGED REVISION

Jean-Noel ARGENSON (FRANCE)

THE ROLE OF DEBRIDEMENT AND IMPLANT RETENTION

Chris FREY (SOUTH AFRICA)

FUTURE STRATEGIES FOR PERIPROSTHETIC INFECTION MANAGEMENT

Fares HADDAD (UNITED KINGDOM)

CASE DISCUSSIONS



Thursday, 30 November

Room 1.43-1.44

08:00 - 10:00

Invited Lecture & Free Papers – Hand I

Moderators:

Margaret FOK (HONG KONG), Duncan MCGUIRE (SOUTH AFRICA)

Invited Speaker

CRUSHED HAND INJURIES

Theo LE ROUX (SOUTH AFRICA)

47722 COMPARISON OF FUNCTIONAL OUTCOME OF DISTAL END RADIUS FRACTURE TREATED WITH ILIZAROV TECHNIQUE VERSUS VOLAR LCP
Gyan RANJAN, Benu Gopal DAS, Indranil DUTT (INDIA)

47589 VOLAR LOCKING PLATE SURGERY FAILS TO ACHIEVE ANATOMIC ANGULATION AND LENGTH AFTER DISTAL RADIUS FRACTURE
Rikke THORNINGER, Jan ROELFING, Daniel WAEVER, Mette Lund MADSEN, Lars Carl BORRIS, Lise Loft NAGEL, Mads HENRIKSEN (DENMARK)

46706 STUDY OF FUNCTIONAL OUTCOME OF DISTAL RADIUS FRACTURES TREATED WITH PERCUTANEOUS CANNULATED SCREWS
Ashok DESAI, Prakash KUMAR, Harshal PATKAR (INDIA)

46426 COMPARISON OF VOLAR VERSUS DORSAL SCREW FIXATION FOR SCAPHOID WAIST FRACTURES: A FINITE ELEMENT ANALYSIS
Baver ACAR, Ozkan KOSE, Yusuf Alper KATI (TURKEY)

47708 INCIDENCE OF BILATERAL WIDENING OF THE SCAPHOLUNATE JOINT AND SCAPHOLUNATE ADVANCED COLLAPSE
Nadine HOLLEVOET (BELGIUM)

47032 EVALUATION OF KIENBOCK'S DISEASE STAGE III TREATMENT BY LUNATE EXCISION AND SOFT TISSUE SPACER
Mohammed Ali Fadhil AL-BAYATI, Ayad MUTAR, Naji HASSAN (IRAQ)

48687 LONG-TERM OUTCOME OF TRAPEZIECTOMY WITH LIGAMENT RECONSTRUCTION AND TENDON INTERPOSITION VERSUS ARTHROPLASTY FOR THE TREATMENT OF RHIZARTHROSIS
Cláudia RODRIGUES, Luis Henrique BARROS, Sérgio FIGUEIREDO, João ESTEVES, Marta SILVA, Alexandre PEREIRA, Miguel TRIGUEIROS, César SILVA (PORTUGAL)

46449 THE INFLUENCE OF SEX AND TRAUMA IMPACT ON THE RUPTURE SITE OF THE ULNAR COLLATERAL LIGAMENT OF THE THUMB
Sandra BOESMUELLER, Wolfgang HUF, Gregor RETTL, Falko DAHM, Alexander MEZNIK, Gabriela MUSCHITZ, Hugo KITZINGER, Adam BUKATY, Christian FIALKA, Martin VIERHAPPER (AUSTRIA)

- 46723 INNOVATIVE METHOD OF TREATING COMMINUTED INTRA- AND EXTRA-ARTICULAR PHALANX FRACTURE WITH LIGAMENTOTAXIS USING SINGLE K-WIRE**
Rex CHANDRABOSE (INDIA)
- 46892 THE RELATIONSHIP OF NEUTROPHIL-TO-LYMPHOCYTE RATIO AND MORTALITY IN TROPICAL DIABETIC HAND SYNDROME**
Jose Maria CORUNA, Juan Agustin IV CORUNA (PHILIPPINES)
- 48285 OUTCOME ANALYSIS OF RADIOCARPAL DISLOCATIONS**
P. VELMURUGESAN, Devendra AGRAHARAM, Dheenadhayalan JAYARAMARAJU, Shanmuganathan RAJASEKARAN (INDIA)
- 47570 EPITENON SUTURE FIRST, FOLLOWED BY CORE SUTURE TECHNIQUE WITH A KNOT BURIED IN THE NATURAL SLIT OF THE DEEP FLEXOR TENDONS IN ZONE II FLEXOR TENDON REPAIR**
Jin Soo PARK, Soo Joong CHOI, Min Ki KIM (SOUTH KOREA)
- 46990 FIXED ANGLE VOLAR PLATE – A BETTER IMPLANT TO GET BETTER FUNCTION AS COMPARED TO K-WIRE FIXATION IN EXTRA-ARTICULAR FRACTURES OF LOWER END OF RADIUS**
Saranjeet Singh JAGDEV, Rishabh KEDIA, Subodh PATHAK (INDIA)

10:00 - 10:30 *Break*

10:30 - 12:00 **Symposium – The Hand in Sports I**

Moderator:
Frederic SCHUIND (BELGIUM)

HAND FRACTURES IN TOP BASKETBALL PLAYERS
Marko BUMBASIREVIC (SERBIA)

ULNAR COLLATERAL LIGAMENT INJURIES TO THE THUMB
Charles PAILTHORPE (UNITED KINGDOM)

EARLY THUMB OSTEOARTHRITIS: PLACE OF ARTHROSCOPY
Ferdinando DA RIN DE LORENZO (ITALY)

HAND AND WRIST ACUTE AND CHRONIC TENDON LESIONS IN SPORTS
Margaret FOK (HONG KONG)

HAND AND WRIST SPLINTING AND BRACING – AN UPDATE
Frederic SCHUIND (BELGIUM)

UPPER LIMB NERVE INJURY IN SPORTS
Marko BUMBASIREVIC (SERBIA)

DISCUSSION

12:00 - 12:30 *Plenary Lecture – FARES HADDAD (in Auditorium II)*

12:30 - 13:00 *Plenary Lecture – OHENEBA BOACHIE-ADJEI (in Auditorium II)*

13:00 - 14:00 *Break*

14:00 - 15:30 *Symposium – The Hand in Sports II*

Moderator:
Frederic SCHUIND (BELGIUM)

**DEBATE: UNDISPLACED SCAPHOID FRACTURES,
IMMOBILISATION VERSUS INTERNAL FIXATION**
Margaret FOK (HONG KONG), Ian LESLIE (UNITED KINGDOM)

SCAPHOID NON-UNIONS
Charles PAILTHORPE (UNITED KINGDOM)

ARTHROSCOPY OF THE ATHLETE'S WRIST
Luc VAN OVERSTRAETEN (BELGIUM)

NEGLECTED WRIST INJURIES
Anil DHAL (INDIA)

ELBOW FRACTURES AND DISLOCATIONS IN SPORTS
Fabian MOUNGONDO (BELGIUM)

THE ATHLETES' ELBOW: LIGAMENT RECONSTRUCTION
A. ALY (EGYPT)

**PRACTICAL ATTITUDE IN CASE OF BRACHIAL PLEXUS LESION
FOLLOWING A MOTORCYCLE OR BIKING ACCIDENT**
Jörg BAHM (GERMANY)

DISCUSSION

15:30 - 16:00 *Break*

16:00 - 17:30

Invited Lecture & Free Papers – Hand II

Moderators:

Duncan MCGUIRE (SOUTH AFRICA), Frederic SCHUIND (BELGIUM)

Invited Speaker

ACUTE SCAPHOID FRACTURES

Dheenadhayalan JAYARAMARAJU (INDIA)

47453 EXPERIENCE WITH WIDE AWAKE APPROACH IN HAND SURGERY

Tarun Prashanth KILARI, Rajappa SRINIVASAN (INDIA)

46340 ELECTROPHYSIOLOGICAL EPIDEMIOLOGY OF CARPAL TUNNEL SYNDROME

Tatsuki EBATA, Ikuo NAKAI, Akira KOGURE, Ken-Ichiro GOTO (JAPAN)

47679 LARGE REGIONAL VARIATIONS IN INCIDENCE OF PHYSICIAN-DIAGNOSED CARPAL TUNNEL SYNDROME AND CARPAL TUNNEL RELEASE SURGERY IN SWEDEN

Isam ATROSHI, Kamelia TADJERBASHI (SWEDEN)

46216 ACCURACY OF HIGH RESOLUTION ULTRASONOGRAPHY IN ESTABLISHING DIAGNOSIS OF CARPAL TUNNEL SYNDROME (CTS)

Purnima AGGARWAL, Sudhir Kumar GARG (INDIA)

47685 EXTENDED FOLLOW-UP OF A DOUBLE-BLIND RANDOMISED CONTROLLED TRIAL OF LOCAL STEROID INJECTION IN CARPAL TUNNEL SYNDROME

Isam ATROSHI, Manfred HOFER, Jonas RANSTAM (SWEDEN)

47506 POSTERIOR INTEROSSEOUS NERVE COMPRESSION SYNDROME AND HYPEREXTENSION FINGER INJURY FROM FOOTBALL – DECEPTIVE PRESENTATION

Anantha Krishnan RAGHUPATHI, Andras GAL (UNITED KINGDOM)

46448 AN INNOVATIVE REPAIR TECHNIQUE IN A TYPE III BONY AVULSION OF THE FDP TENDON

Gabriel HALAT, Lukas NEGRIN, Ewald UNGER, Thomas KOCH, Johannes STREICHER, Jochen ERHART, Patrick PLATZER, Stefan HAJDU (AUSTRIA)

46559 INJECTABLE COLLAGENASE VS. PERCUTANEOUS NEEDLE FASCIOTOMY FOR DUPUYTREN CONTRACTURE IN PROXIMAL INTERPHALANGEAL JOINTS – A RANDOMISED CONTROLLED TRIAL

Simon Toftgaard SKOV, Therkel BISGAARD, Per SØNDERGAARD, Jeppe LANGE (DENMARK)



Thursday, 30 November
Room 1.61-1.62

08:00 - 10:00 **Free Papers – Spine: General**

Moderators:

Vikas PATEL (UNITED STATES), Gert VLOK (SOUTH AFRICA)

- 47578 LAMINOPLASTY FOR THE TREATMENT OF MULTILEVEL CERVICAL RADICULOPATHY – CLINICAL OUTCOME**
Ki Young LEE, Jae Sung AHN (SOUTH KOREA)
- 47737 DECOMPRESSION AND ATLANTOAXIAL JOINTS BONE GRAFTING FUSION FOR REDUCTION AND FIXATION TREAT ATLAS CANAL STENOSIS BY POSTERIOR APPROACH**
Xin HE, Jianan ZHANG, Qining WU, Yong FAN, Yibin MENG, Yunfei HUANG, Dingjun HAO (CHINA)
- 46275 CAN MRI PREDICT DISC CALCIFICATION IN PATIENTS OF CERVICAL DISC HERNIATION WITH MYELOPATHY? – ITS CORRELATION WITH CT SCAN**
Sathik Babu M.B., Saumyajit BASU (INDIA)
- 47803 OPEN-DOOR LAMINOPLASTY FOR MULTILEVEL CERVICAL SPONDYLOTIC MYELOPATHY AND OPLL USING TITANIUM RECONSTRUCTION MINIPLATE AND SCREWS**
M. Kamrul AHSAN, Mohammed Abdul AWWAL, Naznin ZAMAN (BANGLADESH)
- 46532 FUNCTIONAL AND RADIOLOGICAL EVALUATION OF CERVICAL SPONDYLOTIC MYELOPATHY OPERATED WITH POSTERIOR DECOMPRESSION AND LATERAL MASS FIXATION – A MINIMUM TWO-YEAR FOLLOW-UP**
Hitesh MODI, Shakti GOEL, Yatin DESAI (INDIA)
- 48486 UTILITY OF THE PEDICLE SUBTRACTION OSTEOTOMY FOR THE CORRECTION OF SAGITTAL SPINE IMBALANCE**
Iulian POPA, Manuel OPREA, Mihai MARDARE, Dan V. POENARU (ROMANIA)
- 46568 SURGICAL PLANNING AND PATIENT-SPECIFIC RODS (PSR) IMPROVE CORRECTION OF SAGITTAL IMBALANCE IN ADULT SPINAL DEFORMITY (ASD)**
Christopher KLECK¹, Vincent FIERE², Evalina BURGER¹, Henri D’ASTORG², Mark SZADKOWSKI², Vikas PATEL¹, David COLABRESE¹, Andriy NOSHCHENKO¹
¹(UNITED STATES), ²(FRANCE)

- 46409 ANALYSIS OF RISK FACTORS FOR EARLY ADJACENT SEGMENT DISEASE UNDERGOING REVISION SURGERY WITHIN 5 YEARS AFTER LUMBAR SPINAL FUSION**
Jaewan SOH, Byung-Joon SHIN, Jae Chul LEE (SOUTH KOREA)
- 47097 ROLE OF CARTRIDGE BASED NUCLEIC ACID AMPLIFICATION TEST, LINE PROBE ASSAY AND LIQUID CULTURE IN OSTEOARTICULAR TUBERCULOSIS**
Anil JAIN, Suresh ABHIMANYU, V.P. MYNEEDU, K.L. CHAKRABORTI (INDIA)
- 47076 INDIVIDUAL COLLAGEN FIBRIL ALTERATION IN DEGENERATED DISCS**
Zong-Ping LUO, Ting LIANG (CHINA)
- 47137 OXIDATIVE STRESS PLAYS A ROLE IN THE PATHOGENESIS OF LIGAMENTUM FLAVUM HYPERTROPHY IN LUMBAR SPINAL STENOSIS PATIENTS**
Cheng-Li LIN, Chih-Hsun CHANG, Chih-Kai HONG, Chien-An SHIH, Wei-Ren SU, Chyun-Yu YANG (TAIWAN)
- 48232 SPINE FUSION AND RHBMP IN A VITAMIN D DEFICIENT RAT MODEL**
Vikas PATEL, Virginia FERGUSON, Alicia ORTEGA, Zachary WUTHRICH, Kathryn THOMPSON, Zachary JONES, Evalina BURGER, Christopher CAIN, Christopher KLECK, Emily LINDLEY (UNITED STATES)
- 48066 THE DIFFERENT EXPRESSIONS OF MATRIX METALLOPROTEINASES ACCORDING TO THE LOCATION OF DISCS IN THE PATIENTS WITH SEQUESTERED LUMBAR DISC HERNIATIONS**
Youngyul KIM, Jong-Beom PARK (SOUTH KOREA)
- 47500 A SINGLE MAGNETIC CONTROLLED GROWING ROD CAN DRIVE DOUBLE ROD GROWTH SYSTEMS WITH APICAL CONTROL IN EOS**
Simon Toftgaard SKOV¹, Sebastiaan P.J. WIJDICKS², Cody BÜNGER¹, René M. CASTELEIN², Haisheng LI¹, Moyo C. KRUYT²
¹(DENMARK), ²(NETHERLANDS)

10:00 - 10:30 *Break*

10:30 - 12:00 **Symposium – Global Spine Care**

Moderators:

Evalina BURGER (UNITED STATES), Robert DUNN (SOUTH AFRICA)

INTERNATIONAL ORTHOPAEDICS AND SPINE SURGERY, CULTURE AND RESOURCES CHANGING EXPECTATIONS AND OUTCOMES

Oheneba BOACHIE-ADJEI (GHANA)

HISTORY, DEVELOPMENT AND CURRENT STANCE OF SPINAL SURGERY IN SOUTH AFRICA

Gert VLOK (SOUTH AFRICA)

PERIOPERATIVE MANAGEMENT OF COMPLEX SPINE CASES

Christopher KLECK (UNITED STATES)

SPINE SURGERY IS A TEAM SPORT

Leslie JAMESON (UNITED STATES)

QUESTIONS & DISCUSSION

THE TRICKS AND GEMS OF HEMIVERTEBRA EXCISION

Shengru WANG (CHINA)

ONE-STEP TECHNIQUES FOR MIS PEDICLE SCREW PLACEMENT

Vikas PATEL (UNITED STATES)

OSTEOTOMY FOR CORRECTION OF SEVERE KYPHOSIS

Shanmuganathan RAJASEKARAN (INDIA)

12:00 - 12:30

Plenary Lecture – FARES HADDAD (in Auditorium II)

12:30 - 13:00

Plenary Lecture – OHENEBA BOACHIE-ADJEI (in Auditorium II)

13:00 - 14:00

Break

14:00 - 15:30

Symposium – Scoliosis Research Society: Complex Spine & Deformity

Moderator:

Gert VLOK (SOUTH AFRICA)

A MORPHOLOGICAL CLASSIFICATION FOR KYPHOTIC SPINAL DEFORMITIES BASED ON COLUMN FLEXIBILITY AND DEFICIENCY

Shanmuganathan RAJASEKARAN (INDIA)

TREATMENT OF SEVERE RIGID CORONAL PAEDIATRIC DEFORMITIES

Oheneba BOACHIE-ADJEI (GHANA)

TRENDS IN SPINAL DEFORMITY SURGERY/SAFETY

John DORMANS (UNITED STATES)

EARLY DEEP SURGICAL SITE INFECTION FOLLOWING 740 PRIMARY PAEDIATRIC SCOLIOSIS PROCEDURES: A MULTIVARIATE ANALYSIS OF RISK FACTORS

George THOMPSON (UNITED STATES)

ADVANCES IN GENETIC STUDIES FOR AIS

Matthew DOBBS (UNITED STATES)

CASE: COMPLEX CERVICO-THORACIC DEFORMITY

Qianyu ZHUANG (CHINA)

CASE: THE TREATMENT PATH FROM FAILURE IN DEFORMITY SURGERY – DOES SURGICAL CORRECTION RESTORE SPINO PELVIC BALANCE?

Cody BÜNGER (DENMARK)

ADULT SCOLIOSIS, TITANIUM ALLERGY

Evalina BURGER (UNITED STATES)

15:30 - 16:00 *Break*

16:00 - 17:30 **Free Papers – Spine Deformity**

Moderators:

Robert DUNN (SOUTH AFRICA), John DORMANS (UNITED STATES)

47881 EXTERNAL FIXATION AS A “PARACHUTE TECHNOLOGY” IN THE HIGH-RISK SPINE SURGERY

Alexander GUBIN, Prudnikova OXANA, Riabykh SERGEY (RUSSIA)

46608 SEVERE RIGID KYPHOSCOLIOSIS IN KIDS – A DIFFERENT BALLGAME!!! CLINICORADIOLOGIC EFFICACY OF APICAL SPINAL OSTEOTOMY IN 32 PAEDIATRIC CASES OVER MID-TERM FOLLOW-UP

Ankit PATEL, Vishal KUNDNANI (INDIA)

46152 A COMPARISON STUDY OF THE SAGITTAL POSTURES BETWEEN THE SCOLIOTIC AND NORMAL POPULATIONS

Pan-Pan HU, Miao YU, Xiao-Guang LIU, Zhong-Qiang CHEN, Zhong-Jun LIU (CHINA)

46197 EVALUATION OF THE RELATIONSHIP BETWEEN SAGITTAL SPINO-PELVIC ALIGNMENT AND CHRONIC LOW BACK PAIN IN ADULTS

Akshay LEKHI (INDIA)

46796 A SIMPLE WAY TO SEE THE SCOLIOSIS IN 3D: THE VERTEBRA VECTORS PROJECTION IN HORIZONTAL PLANE

Tamas ILLES¹, Fabien LAUER², François LAVASTE², Jean DUBOUSSET²
¹(BELGIUM), ²(FRANCE)

- 46710 INDICATIONS AND RESULTS OF THE ANTERIOR APPROACHES IN THE IDIOPATHIC SCOLIOSIS**
Mourad HAMIDANI, Amine TOUHAMI, Reda HARRAR (ALGERIA)
- 46551 QUALITY OF LIFE AND SAGITTAL ALIGNMENT AFTER SURGICAL CORRECTION OF ADULT SPINAL DEFORMITY (ASD) WITH POSTERIOR INSTRUMENTATION**
Evalina BURGER¹, Christopher KLECK¹, Vikas PATEL¹, David CALABRESE¹, Andriy NOSHCHENKO¹, Sean MOLLOY², Michael CHANG¹, Vincent FIERE³
¹(UNITED STATES), ²(UNITED KINGDOM), ³(FRANCE)
- 46163 USING CONCAVE SIDE-BENDING RADIOGRAPHS COMBINED WITH DEROTATION TECHNIQUE TO DETERMINE THE DISTAL FUSION LEVEL IN IDIOPATHIC SCOLIOSIS PATIENTS WHO UNDERWENT POSTERIOR CORRECTION WITH PEDICLE SCREWS: A PROSPECTIVE STUDY WITH MINIMUM 5 YEARS' FOLLOW-UP**
Liang JINQIAN, Jianxiong SHEN, Li ZHENG (CHINA)
- 48221 PELVIC INCIDENCE AND ITS RELATIONSHIP TO TOTAL HIP DISLOCATION IN PATIENTS WITH PREVIOUS LUMBAR SPINE FUSION**
Christopher KLECK, Philip YORK, Michael DAYTON, Craig HOGAN (UNITED STATES)
- 47682 DETERMINANTS FOR LONG-TERM OUTCOME AND HEALTH CARE UTILISATION IN ADULT SPINE DEFORMITY SURGERY**
Cody BÜNGER, Shallu SHARMA, Thomas Borbjerg ANDERSEN, Ebbe Stender HANSEN, Madalina DUICU, Simon Toftgaard SKOV, Rikke SØGAARD, Linda NYGAARD, Peter HELMIG, Kristian HØY (DENMARK)



Thursday, 30 November

Room 1.63

08:00 - 10:00

Invited Lecture & Free Papers – Research I

Moderators:

Pierre HOFFMEYER (SWITZERLAND), Eiji ITOI (JAPAN)

Invited Speaker

WRITING, REVIEWING & PLAGIARISM

Pierre HOFFMEYER (SWITZERLAND)

46309

EGFL8, A NOVEL ANGIOGENESIS FACTOR OVEREXPRESSES IN OSTEOCROSIS OF FEMORAL HEAD AND PROMOTES ANGIOGENESIS VIA MAPK/ERK SIGNALING PATHWAY

Guoju HONG¹, Qiushi WEI², Wei HE², Haibin WANG², Zhenqiu CHEN², Jiake XU¹
¹(AUSTRALIA), ²(CHINA)

- 47437 MUSSEL-DERIVED BIOACTIVE PEPTIDES FOR DUAL-FUNCTIONALISATION OF TITANIUM-BASED BIOMATERIALS ACCELERATE OSTEOINTEGRATION IN OSTEOPOROSIS RATS**
Qin SHI, Huan ZHAO, Wen ZHANG, Guoqing PAN (CHINA)
- 47926 NATURAL COURSE OF LOCAL BONE MINERALISATION AFTER USE OF A BIPHASIC BONE GRAFT SUBSTITUTE AS FILLING MATERIAL FOR CAVITARY BONE DEFECTS – A PROSPECTIVE EVALUATION USING SEQUENTIAL DEXA MEASUREMENTS**
Peter HORSTMANN, Werner HETTWER, Michael Mørk PETERSEN (DENMARK)
- 48273 RAPID PROTOTYPING SYSTEM: DEVELOPMENT OF BONE SCAFFOLD INTEGRATED WITH TISSUE ENGINEERED CELLS**
M. Yazid BAJURI, Nanchappan SELVANATHAN, Min Hwei NG (MALAYSIA)
- 47823 HUMAN ADIPOSE-DERIVED MESENCHYMAL STEM CELLS IMPROVE OSTEOARTHRITIS VIA ANTI-INFLAMMATORY AND CARTILAGE-RESTORING ACTIVITIES IN RABBITS**
Myung Chul YOO, Jieun CHOI, Eun Suk AN, Young Hwan BAN, Da Woom SEO, Kang Il KIM, Sung Keun KANG, Jeong Chan RA, Ehn Kyoung CHOI, Yun Bae KIM (SOUTH KOREA)
- 47740 A STUDY OF CARTILAGE CHANGES IN KNEE OSTEOARTHRITIS BY SYNCHROTRON-BASED TECHNIQUES**
Bura SINDHUPAKORN, Suwittaya THIENPRATHARN, Kanjana THUMANU, Piyada NGERNSOUNGNERN, Apichart NGERNSOUNGNERN (THAILAND)
- 48038 COMPARATIVE EVALUATION OF THERAPEUTIC EFFICACY OF MESENCHYMAL STEM CELL AND CHONDROCYTE APPLICATION IN EXPERIMENTAL GROWTH PLATE INJURY MODEL IN RABBITS**
Yucel AGIRDIL, Alper GÜLTEKIN, Busra DUMAN, Cansu SUBASI, Erdal KARAÖZ (TURKEY)
- 46704 SUSTAINED DELIVERY OF GROWTH FACTOR USING ABSORBABLE SUSTAIN SCAFFOLD ENHANCES TENDON-TO-BONE HEALING IN A RABBIT MODEL**
Jung JAE-WOOK, Yoon JONG PIL, Kim JOON YUB, Chung SEOK WON (SOUTH KOREA)

10:00 - 10:30 *Break*

10:30 - 12:00 **Symposium – Research Methodology**

Moderators:

Eiji ITOI (JAPAN), Hamish SIMPSON (UNITED KINGDOM)

MOLECULAR MECHANISM OF OSTEOPOROSIS

Sakae TANAKA (JAPAN)

USING REGISTRIES FOR RESEARCH

Vikas KHANDUJA (UNITED KINGDOM)

PRAGMATIC V. EXPLANATORY CLINICAL TRIALS: WHEN TO USE THEM

Hamish SIMPSON (UNITED KINGDOM)

IMPLICATIONS OF PERSONALISED SURGERY FOR RCTS

Matthew DOBBS (UNITED STATES)

12:00 - 12:30 *Plenary Lecture – FARES HADDAD (in Auditorium II)*

12:30 - 13:00 *Plenary Lecture – OHENEBA BOACHIE-ADJEI (in Auditorium II)*

13:00 - 14:00 *Break*

14:00 - 15:30 **Symposium – Research in Fracture Healing**

Moderators:

Frederic SCHUIND (BELGIUM), Hamish SIMPSON (UNITED KINGDOM)

NON-UNION AND SMOKING

Frederic SCHUIND, Jacques HERNIGOU (BELGIUM)

NON-UNION AND HIV

Simon GRAHAM (SOUTH AFRICA)

SEPTIC TIBIAL NON-UNION: ILIZAROV IS BEST

Nando FERREIRA (SOUTH AFRICA)

SEPTIC TIBIAL NON-UNION: EXCHANGE IM NAILING IS BEST

Hamish SIMPSON (UNITED KINGDOM)

PERCUTANEOUS CELL THERAPY FOR NON-UNION

Philippe HERNIGOU (FRANCE)

Symposium – Tendon & Ligament Healing

Moderators:

Eiji ITOI (JAPAN), Hamish SIMPSON (UNITED KINGDOM)

TENDON SUTURE ANCHORS

Eiji ITOI (JAPAN)

ACL REPAIR OR RECONSTRUCTION

Stephen ABELOW (UNITED STATES)

15:30 - 16:00 *Break*

16:00 - 17:30 **Invited Lecture & Free Papers – Research II**

Moderators:

Ram PRABHOO (INDIA), Marius SCARLAT (FRANCE)

Invited Speaker

RECENT ADVANCES IN FRACTURES OF THE PROXIMAL TIBIAL FRACTURES

Ram PRABHOO (INDIA)

46762 BIOMECHANICAL PROPERTIES OF DIFFERENT PLATE CONFIGURATIONS AND FIXATIONS FOR DISTAL HUMERUS FRACTURES: A SYSTEMIC REVIEW AND META-ANALYSIS

Chien-An SHIH, Wei-Chin LIN, Wei-Ren SU, Chyun-Yu YANG, Chih-Wei CHANG, Chia-Lung LI, Tai-Wei TAI (TAIWAN)

46438 THE EFFECT OF HUMERAL-FENESTRATION DIAMETER IN OUTERBRIDGE-KASHIWAGI ARTHROPLASTY ON THE STRENGTH OF THE DISTAL HUMERUS – A CADAVERIC BIOMECHANICAL STUDY

Chih-Kai HONG, Ming-Long YEH, I-Ming JOU, Cheng-Li LIN, Chih-Hsun CHANG, Wei-Ren SU (TAIWAN)

48722 TREATMENT OF MRSA INDUCED BIOFILM FORMED ON METAL IMPLANTS BY BACTERIOPHAGE COCKTAIL THERAPY – AN EXPERIMENTAL STUDY

Aditya MALIK, Pooja GUPTA, S.K. SARAF, Gopal NATH (INDIA)

47458 BIORESORBABLE RARE-EARTH-FREE MAGNESIUM SCREWS USED FOR OSTEOSYNTHESIS IN A SHEEP MODEL

Nicholas DONOHUE¹, Johannes EICHLER¹, Patrick HOLWEG¹, Berger LEOPOLD², Martina CIHOVA², Nicole GRÜN¹, Jörg LÖFFLER², Annelie WEINBERG¹
¹(AUSTRIA), ²(SWITZERLAND)

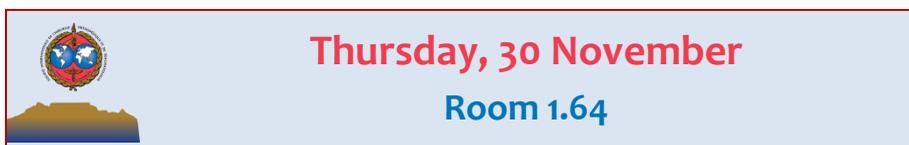
46746 UNPLANNED 90-DAY READMISSIONS IN A SPECIALTY ORTHOPAEDIC UNIT – A PROSPECTIVE ANALYSIS OF CONSECUTIVE 12,729 ADMISSIONS

Avinash MAHENDER, Shanmuganathan RAJASEKARAN, Siddharth AIYER (INDIA)

46637 ASSESSMENT OF PLATELET FUNCTION IN PATIENTS ON ANTIPLATELET THERAPY WITH PROXIMAL FEMORAL FRACTURES TREATED BY OSTEOSYNTHESIS AND ITS INFLUENCE ON INTRA- AND POSTOPERATIVE BLEEDING

Michael HUMENBERGER, Matthias BRANDLMAIER, Matthias STOCKINGER, Reinhard HAHN, Andreas GLEISS, Jolanta SILLER-MATULA, Stefan HAJDU (AUSTRIA)

- 46864 **RELATIONSHIP BETWEEN SERUM 25-HYDROXYVITAMIN D LEVEL AND RISK OF FALLS IN THE ELDERLY**
William HODGE, Sean GARVEY, Rahul SOANGRA, Thurmon LOCKHART (UNITED STATES)
- 47664 **THE ROLE OF SURGICAL TRAINEES IN CLINICAL EDUCATION: A NATIONAL SURVEY**
Martin KELLY, Iain FEELEY, Eibhlin HEALY, Frank MURRAY, John O'BYRNE (IRELAND)
- 47681 **UP-REGULATION OF TRAF2 SUPPRESSES NEURONAL APOPTOSIS AFTER RAT SPINAL CORD INJURY**
Guanhua XU, Zhiming CUI, Jinlong ZHANG (CHINA)



08:00 - 10:00

Invited Lecture & Short Free Papers – Foot & Ankle

Moderators:

Craig BROWN (SOUTH AFRICA), Ram PRABHOO (INDIA)

Invited Speaker

CALCANEAL FRACTURES – TO OPERATE OR NOT?

Ram PRABHOO (INDIA)

- 46383 **ASSESSMENT OF FOOT ALIGNMENT IN PATIENTS WITH HALLUX RIGIDUS: THE ROLE OF WEIGHT-BEARING CT SCAN**
David SOLOMON, Zoe CHEUNG, Ettore VULCANO, Joseph TRACEY, Mark MYERSON (UNITED STATES)
- 48137 **ACUTE ACHILLES TENDON RUPTURES: ABOUT 112 CASES**
Nadhir MERAGHNI, Riad BENKAIDALI, Abdelrezak CHOUITI, Mohamed KIHAL, Zoubir KARA (ALGERIA)
- 48154 **WAPNER TECHNIQUE MODIFICATION**
Rebeca GARCIA BARCENILLA, Sara GARCIA GONZALEZ, Luis Aejandro GIRALDO VEGAS, Ciro SANTOS LEDO, Sergio GARCIA GRANJA, Higinio AYALA FERNANDEZ, Juan Ramón SANZ GIMENEZ-RICO, Santiago PLAZA GARCIA (SPAIN)
- 48097 **COMPARATIVE STUDY BETWEEN EXTENSILE LATERAL APPROACH AND FIXATION BY CALCANEAL PLATE VERSUS LIMITED LATERAL SINUS TARSI APPROACH AND FIXATION BY SCREW ONLY IN MANAGEMENT OF INTRA ARTICULAR CALCANEAL FRACTURES**
Ahmed ABDELAZEEM, Raed ABD-ELMONEM, Sherif KHALED, Ahmed KHOLEIF (EGYPT)

- 48152 FINE WIRE CIRCULAR FRAME FIXATION OF CALCANEAL FRACTURES**
Richard FORRESTER, Ross MUIR (UNITED KINGDOM)
- 48144 DOES ANKLE MORBIDITY OCCUR AFTER PERONEUS LONGUS TENDON HARVESTING? THE FUNCTIONAL, CLINICAL, RADIOGRAPHIC AND BIOMECHANICAL STUDY**
Pongtep NA NAKORN, Bancha CHERNCHUJIT (THAILAND)
- 48835 A CADAVERIC STUDY OF A NEW TEST FOR SYNDESMOSIS INJURY**
Robert BOYD, Zuhair NAWAZ, Arshad KHALEEL, Fiona BINTCLIFFE (UNITED KINGDOM)
- 46853 EFFICACY OF PLATELET RICH PLASMA (PRP) VS. STEROID INJECTIONS FOR TREATMENT OF CHRONIC PLANTAR FASCIITIS**
Biswajit SAHU, Dillip Kumar CHAND, Alok PRUSTY, Barsha TUDU (INDIA)
- 46545 LONG-TERM FOLLOW-UP OF CAPSULAR INTERPOSITION ARTHROPLASTY FOR HALLUX RIGIDUS**
David SOLOMON, Ettore VULCANO, Andy CHANG, Myerson MARK (UNITED STATES)
- 48012 MODIFIED BROSTROM PROCEDURE FOR CHRONIC LATERAL ANKLE INSTABILITY IN PATIENTS WITH GENERALISED JOINT LAXITY**
Min-Cheol KIM, Keun-Bae LEE, He-Xing XU (SOUTH KOREA)
- 46219 SAGITTAL RESECTION OSTEOTOMY WITH SUBTALAR FUSION FOR TREATMENT OF MALUNITED CALCANEAL FRACTURES**
Mohamed KASSEM, Adham Are ELGEIDI, Mohamed BADRAN, Fady FARAG (EGYPT)
- 48017 COMPARISON OF TOTAL ANKLE ARTHROPLASTY OUTCOMES FOR OSTEOARTHRITIS WITH MODERATE AND SEVERE VARUS MALALIGNMENT AND THAT WITH NEUTRAL ALIGNMENT**
Keun-Bae LEE, Sang-Don JOO, Gun-Woo LEE, Min-Cheol KIM (SOUTH KOREA)
- 47012 FACTORS AFFECTING FUNCTIONAL OUTCOME AND UNION IN MANAGEMENT OF DISTAL TIBIA FRACTURE USING MINIMALLY INVASIVE PERCUTANEOUS PLATE OSTEOSYNTHESIS**
Ayush SHARMA, Vijay SINGH, Kaustubh SAWANT, Prashant KAMBLE, Hari KISHORE, Shorabh SINHA (INDIA)
- 46283 SHORT-TERM CLINICAL RESULTS OF CERAMIC TOTAL TALAR PROSTHESIS FOR OSTEONECROSIS OF THE TALUS**
Masahiro TADA, Tatsuya KOIKE, Noriaki HIDAKA (JAPAN)

10:00 - 10:30 *Break*

Moderators:

José Sérgio FRANCO (BRAZIL), Johan PRINS (SOUTH AFRICA)

- 47497 SHORT CEMENTLESS STEM FOR SHOULDER REPLACEMENT: RADIOLOGIC AND CLINICAL EVOLUTION**
Nicolas BONNEVIALLE, Florence DAUZERE, Amelie FARAUD, Pierre MANSAT (FRANCE)
- 46302 WHAT IS THE BEST GLENOID CONFIGURATION IN REVERSE SHOULDER ARTHROPLASTY?**
Alexandre LÄDERMANN (SWITZERLAND)
- 47897 LONG-TERM RESULTS AFTER PROSTHETIC REPLACEMENT OF RADIAL HEAD FRACTURES**
Manfred GREITBAUER, Margit WECH, Stefan HAJDU (AUSTRIA)
- 48141 RE-EVALUATING FOLLOW-UP STANDARDS FOR COMPLICATIONS AFTER RADIAL HEAD ARTHROPLASTY: SYSTEMATIC REVIEW AND RE-INTERPRETATION OF THE INTERNATIONAL LITERATURE**
Pierre LAUMONERIE¹, Nicolas REINA¹, Panagiotis KEREZOUDIS², Meagan TIBBO², Nicolas BONNEVIALLE¹, Pierre MANSAT¹
¹(FRANCE), ²(UNITED STATES)
- 48198 SHOULDER ARTHROPLASTY FOR THE TREATMENT OF RAPIDLY DESTRUCTIVE ARTHRITIS**
Catarina BISPO, Goncalo LAVAREDA, Sofia CARVALHO, Filipe MACHADO, Francisco GONCALVES, Mafalda BATISTA, Barbara CAMPOS (PORTUGAL)
- 47448 ARTHROSCOPIC VERSUS OPEN LATARJET FOR RECURRENT SHOULDER INSTABILITY: SYSTEMIC REVIEW AND META-ANALYSIS**
Ruwais BINLAKSAR¹, Kerem BILSEL²
¹(YEMEN), ²(TURKEY)
- 46403 THE USE OF THE LARS™ SYSTEM IN THE TREATMENT OF AC JOINT INSTABILITY – LONG-TERM RESULTS AFTER A MEAN OF 7.4 YEARS**
Thomas TIEFENBOECK, Sandra BOESMUELLER, Domenik POPP, Stephan PAYR, Julian JOESTL, Harald BINDER, Micha KOMJATI, Mark SCHURZ, Christian FIALKA, Roman OSTERMANN (AUSTRIA)
- 46247 ARTHROSCOPIC REMPLISSAGE: IS IT STILL AN OPTION? A REPORT OF 51 CASES**
Mohamed Gamal MORSY (EGYPT)
- 48554 SHOULDER ULTRASOUND: THE PERSPECTIVE AND ACCURACY OF THE ORTHOPAEDIC SURGEON**
Catarina BISPO, Goncalo LAVAREDA, Sofia CARVALHO, Filipe MACHADO, Francisco GONCALVES, Mafalda BATISTA, Barbara CAMPOS (PORTUGAL)

- 48168 THE NATURAL HISTORY OF FULL THICKNESS ROTATOR CUFF TEARS IN RANDOMISED CONTROLLED TRIALS**
Chetan KHATRI, Imran AHMED, Helen PARSONS, Nick SMITH, Andrew METCALFE, Martin UNDERWOOD (UNITED KINGDOM)
- 48567 ONE TO NINE YEARS' FOLLOW-UP AFTER HYDRODISTENSION FOR ADHESIVE CAPSULITIS OF SHOULDER**
Paraskumar MOHANLAL, Amit TOLAT (UNITED KINGDOM)
- 46201 PERCUTANEOUS TENOTOMY VERSUS PLATELET RICH PLASMA FOR TREATMENT OF RESISTANT TENNIS ELBOW**
Ahmed OTHMAN, Islam HEGAZY (EGYPT)
- 46319 THE COMPARATIVE EFFECT OF CORTICOSTEROID AND PLATELET-RICH PLASMA INJECTION THERAPIES FOR THE MANAGEMENT OF LATERAL EPICONDYLITIS: A SYSTEMATIC REVIEW**
Walid BEN-NAFA, Wendy MUNRO, Mohammed ELMAJEE, Lugman ELGAYAR (UNITED KINGDOM)
- 46297 HIGH GRADE BURSAL-SIDE PARTIAL ROTATOR CUFF TEARS: COMPARISON OF MID- AND LONG-TERM RESULTS OF ARTHROSCOPIC REPAIR AFTER CONVERSION TO FULL-THICKNESS**
Nuri AYDIN, Bedri KARASMAILOGLU (TURKEY)
- 48326 EFFECT OF THE ALLOGENIC DERMAL FIBROBLAST TO ENHANCE ROTATOR CUFF HEALING IN A RABBIT MODEL OF CHRONIC ROTATOR CUFF TEAR**
Joo Han OH, Kwon JIEUN, Kim TAE IN, Rhee SUNG MIN, Jeon SAEWHA, Kim YUN HEE (SOUTH KOREA)
- 47452 BICEPS TENODESIS: IS IT A MUST TO TENOTOMISE THE PROXIMAL STUMP?**
Amr KANDEEL (EGYPT)
- 46980 OUTCOME ANALYSIS OF PROXIMAL HUMERUS FRACTURE DISLOCATIONS WITH AXILLARY EXTRUSION OF HUMERAL HEAD**
Dheenadhayalan JAYARAMARAJU, Shanmuganathan RAJASEKARAN (INDIA)
- 48718 DISTAL BICEPS TENDON RUPTURE REPAIR – ACCELERATED VERSUS PROTECTED REHABILITATION OUTCOMES**
Satish Vinayakrao DHOTARE, Pushkar JOSHI, Rahul MOHAN, Manickam RATHINAM, Rish PARMAR, Mohan PULLAGURA (UNITED KINGDOM)

12:00 - 12:30 **Plenary Lecture – FARES HADDAD (in Auditorium II)**

12:30 - 13:00 **Plenary Lecture – OHENEBA BOACHIE-ADJEI (in Auditorium II)**

13:00 - 14:00 *Break*

14:00 - 15:30 **Short Free Papers – Tumours & Miscellaneous**

Moderators:

Saddig BENDALLA (LIBYA), Thomas HILTON (SOUTH AFRICA)

- 48839 TREATMENT OF PATHOLOGICAL HUMERAL FRACTURE USING ENDOPROSTHETIC REPLACEMENT – LONG-TERM FOLLOW-UP**
Shahbaz MALIK, Chindanai HONGSAPRABHAS, Adriana HERNANDEZ, Louie GASTON, Roger TILLMAN, Lee JEYS, Seggy ABUDU (UNITED KINGDOM)
- 48357 IS FROZEN SECTION OF MARROW BIOPSY NECESSARY AT THE TIME OF RESECTION OF MALIGNANT BONE TUMOURS?**
Sudhir Kumar GARG, Purnima AGGARWAL, Robin BOHAT (INDIA)
- 46644 IS THE MIRELS’ SCORING SYSTEM FOR IMPENDING PATHOLOGICAL FRACTURES REPRODUCIBLE?**
Robert JORDAN, Peter WALL, Gurdip CHAHAL, Shahbaz MALIK, Nicholas SMITH, Imran AHMED (UNITED KINGDOM)
- 46196 LIMB SALVAGE USING LIQUID NITROGEN TREATED TUMOUR BEARING AUTOGRAFT**
Sudhir Kumar GARG, Purnima AGGARWAL, Rohit JINDAL (INDIA)
- 47569 THE MID-TERM OUTCOME OF DISTAL RADIUS RECONSTRUCTION FOR GIANT CELL TUMOUR: COMPARISON OF UNCEMENTED THREE-DIMENSIONAL PRINTING PROSTHESIS AND OSTEOARTICULAR ALLOGRAFT**
Li MIN, Minxun LU, Hong DUAN, Yi LUO, Yong ZHOU, Wenli ZHANG, Rui SHI, Chongqi TU (CHINA)
- 46716 LONG-TERM SURVIVAL AFTER SURGICAL TREATMENT IN PATIENTS WITH BONE OF SOFT TISSUE METASTASES FROM RENAL CELL CARCINOMA**
Takashi HIGUCHI, Norio YAMAMOTO, Katsuhiko HAYASHI, Akihiko TAKEUCHI, Kensaku ABE, Yuta TANIGUCHI, Hisaki AIBA, Yoshihiro ARAKI, Hiroyuki TSUCHIYA (JAPAN)
- 46621 SURGICAL MANAGEMENT OF METASTATIC SPINAL COLUMN TUMOURS BASED ON MODERN PRINCIPLES: A REPORT OF FIVE CASES**
Stipe CORLUKA, Vide BILIC, Stjepan DOKUZOVIC (CROATIA)
- 47879 MANAGEMENT OF RECURRENCE IN GIANT CELL TUMOURS**
Alok Chandra AGRAWAL (INDIA)
- 47700 DIAPHYSEAL RECONSTRUCTION IN MALIGNANT BONE TUMOURS – SURGICAL OPTIONS**
Singh MANINDERPAL, R.R. SAGGAR (INDIA)

- 46987 OUTCOME OF EN BLOC SURGICAL RESECTION OF LOCALLY ADVANCED PANCOAST TUMOURS WITH VERTEBRAL INVASION**
Tim JIYA, Johannes BOLDER, Feller RICARDO, Chris DICKHOFF, Eric KRAANEVELD, Koen HARTEMINK (NETHERLANDS)
- 46553 EXCISION OF AGGRESSIVE BENIGN TUMOURS OF DISTAL FIBULA WITH RECONSTRUCTION USING FIBULAR AUTOGRAFT**
Wael A.M. NASSAR, Mohammed Abdelrahman ELNINY, Mohammed MASHHOUR (EGYPT)
- 47839 FATE OF STRUCTURAL ALLOGRAFT FOR THE BONE TUMOUR IN CHILDREN AND ADOLESCENTS**
Yong-Koo KANG, Yang-Guk CHUNG, Won-Jong BAHK (SOUTH KOREA)
- 47727 FUNCTIONAL OUTCOME IN SACRAL TUMOURS WITH NO RECONSTRUCTION FOLLOWING EXCISION**
Anupam DAS¹, Shah Alam KHAN¹, Abhinav AGARWAL¹, Rishi Ram POUDEL², Sameer BAKSHI¹
¹(INDIA), ²(NEPAL)
- 47702 PROBLEMS AND COMPLICATIONS OF MEGA-PROSTHESIS IN LIMB SALVAGE SURGERY – A RETROSPECTIVE ANALYSIS OF 25 PATIENTS**
Singh MANINDERPAL, R.R. SAGGAR (INDIA)
- 47579 CLINICAL EXPERIENCE WITH LOCAL ADJUVANT BISPHOSPHONATES FOR TREATMENT OF GIANT CELL TUMOURS OF BONE**
Werner HETTWER, Peter HORSTMANN, Michael PETERSEN (DENMARK)
- 48143 PELVIC RING TUMOURS – RESECTION AND RECONSTRUCTION**
Pedro CARDOSO, João ESTEVES, João ROSA, Vânia OLIVEIRA (PORTUGAL)
- 47328 THE DUAL MOBILITY CUP IN MUSCULAR SKELETAL ONCOLOGY: RATIONALE AND INDICATIONS**
Carmine ZOCCALI, Dario ATTALA, Barbara ROSSI, Leonardo FAVALE, Roberto BIAGINI (ITALY)

15:30 - 16:00 *Break*

16:00 - 17:30 **Short Free Papers – Trauma**

Moderators:

Maritz LAUBSCHER (SOUTH AFRICA), Reiner SCHNETTLER (GERMANY)

- 47680 FACTORS ASSOCIATED WITH TREATMENT FAILURE OF ASEPTIC TIBIAL NON-UNIONS MANAGED BY CIRCULAR EXTERNAL FIXATION**
Nando FERREIRA (SOUTH AFRICA)

- 46829 STUDY OF MINIMALLY INVASIVE PLATE OSTEOSYNTHESIS IN FRACTURES OF DISTAL END TIBIA**
Prashant KAMBLE, Rajiv Vasant KULKARNI, Roshan WADE, Kalaivanan MASILAMANI (INDIA)
- 46777 THE FLOATING KNEE INJURIES IN ADULTS: TWENTY-SIX CASES OF IPSILATERAL FRACTURES OF THE FEMUR AND THE TIBIA OUTCOME**
Raghvendra TRIPATHI, Prabhakar Moreshwar GADRE, Suraj MEHAROTRA (INDIA)
- 46773 OUTCOME OF VALGUS REDUCTION IN TROCHANTERIC FRACTURES – A STUDY OF 90 CASES**
Karan SIWACH (INDIA)
- 46522 RETROSPECTIVE COMPARISON BETWEEN SURGICAL OUTCOMES OF COMMINUTED SUBTROCHANTERIC FRACTURES OF FEMUR TREATED BY NAILING VS. BIOLOGICAL PLATING**
Satya Ranjan PATRA, Naresh Kumar PANIGRAHI, Saswat SAMANT, Anmol SHIV (INDIA)
- 48529 ANALYSIS OF DISTAL LOCKING PATTERNS IN INTRAMEDULLARY NAILING IN DISTAL TIBIA FRACTURES – A RETROSPECTIVE STUDY**
Sanjay YADAV, Saurabh SINGH, Ramvilas NAG, Mangesh CHANDEWAR, G.N. KHARE, Utkrisht MANDOT (INDIA)
- 47286 SURGICAL TREATMENT OF SEGMENTAL TIBIAL FRACTURES: DOES MINIMALLY INVASIVE PLATE OSTEOSYNTHESIS YIELD BETTER ALIGNMENT THAN INTRAMEDULLARY NAILING?**
Joon-Woo KIM, Chang-Wug OH, Il-Hyung PARK, Kyeong-Hyeon PARK (SOUTH KOREA)
- 47284 AUGMENTATIVE INTERLOCKING SCREWS WITH EXCHANGE NAILING IMPROVES THE HEALING IN THE INFRA-ISTHMIC NON-UNION OF FEMORAL SHAFT**
Joon-Woo KIM, Chang-Wug OH, Park IL-HYUNG, Kyeong-Hyeon PARK (SOUTH KOREA)
- 47283 EVIDENCE-BASED SIMULATION OF HIP FRACTURE SURGERY**
Jan ROELFING, Simon Toftgaard SKOV, Charlotte PALTVED (DENMARK)
- 47108 USE OF FASCIOTOMY IN CLINICALLY-SUSPECTED COMPARTMENT SYNDROME FOLLOWING SNAKEBITE**
Lucy GUILLE (UNITED KINGDOM)
- 48494 INSUFFICIENCY FRACTURES – A NOVEL DIAGNOSTIC AND TREATMENT ALGORITHM**
Harsh SINGH (INDIA)
- 46645 HOW EFFECTIVE IS CONSENT TRAINING FOR NEW ORTHOPAEDIC TRAINEES?**
Robert JORDAN, Nicholas SMITH, Gurdip CHAHAL, Peter WALL, Shahbaz MALIK, Imran AHMED, Jayne WARD (UNITED KINGDOM)

- 46610 PRELIMINARY RESULTS WITH THE USE OF POLYLACTIC ACID (PLA)-ANTIBIOTIC-COATED NAIL IN OPEN TIBIAL SHAFT FRACTURES**
Anubhav MALHOTRA, Sudhir GARG, Sandeep GUPTA, Rohit JINDAL
(INDIA)
- 46303 THE ROLE OF BMP-7 IN OPERATIVE TREATMENT OF ASEPTIC LONG BONE NON-UNIONS**
Christian VON RÜDEN¹, Simon HACKL¹, Jan FRIEDERICHS¹, Alexander WOLTMANN¹, Volker BÜHREN¹, Christian HIERHOLZER²
¹(GERMANY), ²(SWITZERLAND)
- 48355 COMPARATIVE STUDY BETWEEN MINIMALLY INVASIVE PLATE OSTEOSYNTHESIS AND OPEN REDUCTION FOR DIAPHYSEAL FRACTURE OF THE HUMERUS**
Rohit MOHPAL, Uday SHANKAR, Gyan RANJAN, Bhunesh MOHPAL
(INDIA)
- 46982 RADIOLOGICAL CORRELATION TO THE FUNCTIONAL OUTCOME IN PROXIMAL HUMERUS FRACTURE MANAGED WITH INDIRECT REDUCTION & FIXATION WITH PLATE AND SCREWS**
Dheenadhayalan JAYARAMARAJU, Shanmuganathan RAJASEKARAN
(INDIA)
- 46589 UNBLINDED RANDOMISED CONTROL TRIAL ON PROPHYLACTIC ANTIBIOTIC USE IN GUSTILO II OPEN TIBIA FRACTURES AT KENYATTA NATIONAL HOSPITAL, KENYA**
Joshua Nyaribari ONDARI (KENYA)
- 46558 POLYTRAUMATISED PATIENTS WITH SEVERE CHEST TRAUMA – CLUB CELL PROTEIN 16 AND CYTOKERATIN FRAGMENT 21-1 MAY PREDICT PULMONARY COMPLICATIONS**
Lukas NEGRIN, Gabriel HALAT, Stephan KETTNER, Stefan HAJDU, Thomas HEINZ (AUSTRIA)



Thursday, 30 November

Exhibition Hall

10:00 - 10:30

JAM (Just a Minute) Session – Sports Medicine & Spine

Moderator:

Vikas KHANDUJA (UNITED KINGDOM)

- 47604 PROFESSIONAL SOCCER PLAYERS' RETURN TO PLAY AND PERFORMANCE AFTER ACHILLES TENDON RUPTURES**
J. Turner VOSELLER, David TROFA, Peter NOBACK, Christopher AHMAD, Justin GREISBERG (UNITED STATES)
- 48596 COMPLICATIONS FOLLOWING ARTHROSCOPIC SURGERY OF THE HIP: A SYSTEMATIC REVIEW OF 36,761 CASES**
Naoki NAKANO, Laughter LISENDA, Thomas L. JONES, David LOVEDAY, Vikas KHANDUJA (UNITED KINGDOM)
- 48225 ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION: IS THERE A RELATION BETWEEN TOURNIQUET PRESSURES AND POST-OPERATIVE PAIN?**
Mohammed ELRAKAYBI (SAUDI ARABIA)
- 48031 CLINICAL AND ELECTROPHYSIOLOGICAL ASSESSMENT OF INFRA-PATELLAR BRANCH(ES) OF SAPHENOUS NERVE INJURY DURING ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION USING OBLIQUE INCISION FOR HAMSTRING GRAFT HARVEST: PROSPECTIVE STUDY**
Hira NAG, Mohamad ASJAD, A. SRIVASTAVA, C.S. YADAV (INDIA)
- 47709 INFECTION AFTER ACL RECONSTRUCTION SURGERY: INCIDENCE, RISK FACTORS AND ITS MANAGEMENT**
Munish SOOD, Ravi GUPTA, Anubhav MALHOTRA, Gladson David MASIH, Mukta RAGHAV (INDIA)
- 47394 METHODOLOGICAL ERROR IN ACL RECONSTRUCTION DUE TO A POSSIBLE ROTATION OF THE GRAFT AROUND THE SCREW**
Christoph OFFERHAUS, Jürgen HÖHER, Maurice BALKE, Steffen HECK (GERMANY)
- 46827 MICROFRACTURE, MOSAICPLASTY AND AUTOLOGOUS CHONDROCYTE IMPLANTATION IN ARTICULAR CARTILAGE LESIONS OF KNEE: A SYSTEMATIC REVIEW OF LEVEL I & II STUDIES**
Alok AGGARWAL (INDIA)
- 46345 NEW INSIDE-INSIDE TECHNIQUE FOR ARTHROSCOPIC MENISCAL REPAIR**
Alper ALPER KEBUDI (TURKEY)

- 48530 MISS-TLIF ASSISTED BY QUADRANT OR PIPELINE TUBE SYSTEM FOR THE MANAGEMENT OF LUMBAR SPONDYLOLISTHESIS**
Jiancheng ZENG (CHINA)
- 48390 CO-RELATION OF CLINICAL VS. MRI VS. OPERATIVE FINDINGS IN PROLAPSED INTERVERTEBRAL LUMBAR DISC – A PROSPECTIVE STUDY OF 30 CASES**
Tarun KUKREJA, Ashutosh SINGH (INDIA)
- 47406 FENESTRATED PEDICLE SCREWS AND CEMENT AUGMENTATION IN PATIENTS WITH BONE SOFTENING**
Mahmoud ABOUSAYED (EGYPT)
- 46951 DO WE HAVE CLEAR CRITERIA REGARDING SPINAL INSTABILITY IN DEGENERATIVE STENOSIS OF THE LUMBAR SPINE?**
Stipe CORLUKA, Vide BILIC, Stjepan DOKUZOVIC (CROATIA)
- 46605 DOES INCREASING AGE DETER OUTCOMES OF SPINAL INTERBODY FUSION IN ELDERLY? COMPARATIVE CLINICO-RADIOLOGICAL RESULTS OF SINGLE LEVEL TLIF IN YOUNG VS. ELDERLY AT 2 YEARS' FOLLOW-UP**
Ankit PATEL, Vishal KUNDNANI (INDIA)
- 46531 HADS BRIEF SCORE CAN PREVENT UNNECESSARY SPINAL PROCEDURES**
Andreas VEIHELMANN, Florian BECK, Christof BIRKENMAIER (GERMANY)
- 48316 POSTERIOR ONLY APPROACH FOR LUMBAR PYOGENIC SPONDYLITIS WITH SHORT INSTRUMENTATION AND PROLONGED SUCTION DRAINAGE**
Suk-Hyun HONG, Choi SEUNG MYUNG, Yong-Min KIM, Kook-Jong KIM (SOUTH KOREA)
- 47006 DIFFUSION TENSOR IMAGING OBSERVATIONS IN POTT'S SPINE**
Anil JAIN, Nikhil JAIN, N.S. SAINI (INDIA)
- 46454 IS THERE ANY RELATION BETWEEN SURGICAL SITE INFECTION FOLLOWING ELECTIVE SPINAL SURGERY AND POOR ORAL HEALTH?**
Babak MIRZASHAHI, Arghavan TONKABONI, Roya DOOSTI (IRAN)
- 48082 THE IMPACT OF TYPE OF SCREW ON KYPHOTIC DEFORMITY CORRECTION AFTER SPINE FRACTURE FIXATION – CANNULATED VERSUS SOLID PEDICLE SCREW**
Abduljabbar ALHAMMOUD, Mahmood ARBASH, Ashik PARAMBATHKANDI, Abdul Moen BACO (QATAR)
- 47066 DECOMPRESSION ONLY OR DECOMPRESSION WITH CONCOMITANT FUSION IN DEGENERATIVE SPONDYLOLISTHESIS: A SHORT- AND LONG-TERM OUTCOME**
Dike RUAN, Qing HE, Lisheng HOU (CHINA)

- 46902 RADIATION REDUCTION OF MINIMALLY INVASIVE TRANSFORAMINAL LUMBAR INTERBODY FUSION WITH LOCALISATION SYSTEM IN OVERWEIGHT PATIENTS**
Guoxin FAN, Qingsong FU, Jingjie ZHANG, Shisheng HE (CHINA)
- 48525 TREATMENT OF LUMBAR SPINAL STENOSIS BY PERCUTANEOUS ENDOSCOPIC INTERLAMINAR DECOMPRESSION**
Jiancheng ZENG (CHINA)
- 47791 A COMPARISON OF PERCUTANEOUS VERTEBROPLASTY AT HYPEREXTENSION POSITION AND PERCUTANEOUS KYPHOPLASTY FOR TREATMENT OF OSTEOPOROTIC KÜMMELL'S DISEASE**
Yong FAN, Jianan ZHANG, Qining WU, Jinpeng DU, Dingjun HAO (CHINA)
- 47083 LONG-TERM FOLLOW-UP RESULTS OF PERCUTANEOUS ENDOSCOPIC LUMBAR DISCECTOMY**
Sang Soo EUN (SOUTH KOREA)
- 48194 POSTERIOR LONG SEGMENT PEDICLE SCREW FIXATION FOR UNSTABLE THORACOLUMBAR FRACTURES WITH INCOMPLETE SPINAL CORD INJURY**
Syed Shahidul ISLAM (BANGLADESH)
- 46624 THE PATHOLOGICAL MECHANISMS UNDERLYING LUMBAR DISTRACTION SPINAL CORD INJURY BASED ON WU'S NOVEL MODEL**
Ji WU, Chao ZHENG (CHINA)
- 46153 EFFICACY OF VIRTUAL REALITY IN UPPER LIMB REHABILITATION IN PERSONS WITH SPINAL CORD INJURY – A PILOT RANDOMISED CONTROLLED TRIAL**
Suryakant SINGH, Somya PRASAD, Ruby AIKAT (INDIA)
- 48531 ACUTE SPINE TRAUMA ABOVE THE AGE OF 90 YEARS – ANALYSIS OF MORTALITY AND MORBIDITY**
Anna Carolina RIENMUELLER¹, Ehab SHIBAN², Paulina ROTHLAUF², Jens LEHMBERG², Bernhard MEYER²
¹(AUSTRIA), ²(GERMANY)
- 47767 SURGICAL OPTIONS FOR THE TREATMENT OF KUMMELL'S DISEASE**
Xingkai ZHANG, Yu LIANG, Wenjian WU, Peng CAO (CHINA)

15:30 - 16:00

JAM (Just a Minute) Session – Research, Paediatrics, Hand & Shoulder & Elbow

Moderator:

Matt MORREY (UNITED STATES)

- 48122 CORE NEEDLE BIOPSY IN MUSCULOSKELETAL TUMOURS – DIAGNOSTIC BREVETY AND ACCURACY IN A NATIONAL REFERENCE CENTRE**
Pedro CARDOSO, João ESTEVES, João ROSA, André COELHO (PORTUGAL)

- 48034 INFLUENCE OF COLD ATMOSPHERIC PLASMA (CAP) ON CYTOKINE EXPRESSION IN HUMAN OSTEOSARCOMA CELLS**
Denis GUEMBEL, Lasse WIEN, Nadine GELBRICH, Matthias NAPP, Martin BURCHARDT, Axel EKKERNKAMP, Matthias STOPE (GERMANY)
- 47250 THE IMPACT OF SARCOPENIA ON TREATMENT FOR MALIGNANT BONE AND SOFT TISSUE TUMOUR**
Yoshitaka BAN, Manabu HOSHI, Naoto OEBISU, Yasuyuki SYOJI, Hiroaki NAKAMURA (JAPAN)
- 46276 RECONSTRUCTION OF THE ANKLE AFTER WIDE RESECTION OF DISTAL FIBULA TUMOURS: CASE SERIES AND REVIEW OF THE LITERATURE**
Mohammed ALRUMAIH (SAUDI ARABIA)
- 46206 ACCELERATED PONSETI METHOD: A MORE CONVENIENT TECHNIQUE FOR PATIENTS IN THE DEVELOPING WORLD AND MISSIONARY ORTHOPEDISTS**
Alaa Azmi AHMAD (PALESTINE)
- 48159 TSF FOR TIBIAL FRACTURES IN CHILDREN AND ADOLESCENTS – MAJOR TRAUMA CENTRE EXPERIENCE**
Rajkumar THANGARAJ, Dave HAUGHTON, Mounir HAKIMI, Emmanouil MORAKIS, Ibrar MAJID, Farhan ALI (UNITED KINGDOM)
- 46182 RESULTS OF APPLICATION OF GUIDED GROWTH FOR LLD TREATMENT**
Sergei SERDJUCHENKO, Alexander BELETSKY, Aleh SAKALOUSKI, Andrei DZEMIANTSOU (BELARUS)
- 48049 MANAGEMENT OF TRAUMATIC POSTERIOR HIP DISLOCATION IN CHILDREN – OUR RESULTS IN 5 CASES**
Kingsley Dotcher DOKU (GHANA)
- 48459 MORPHOMETRIC EVALUATION OF OCCIPITAL CONDYLE: DEFINING OPTIMAL TRAJECTORIES AND SAFE SCREW LENGTHS FOR OCCIPITAL CONDYLE-BASED OCCIPITOCERVICAL FIXATION IN INDIAN POPULATION**
Aju BOSCO, Ajoy SHETTY, Prakash VENUGOPAL, Shanmuganathan RAJASEKARAN, Rishi KANNA (INDIA)
- 46410 DOES RADIATION EXPOSURE VARY DEPENDING ON THE EXPERIENCE OF THE SURGEON DURING INTRAMEDULLARY NAILING OF THE FEMUR AND TIBIA? – A PROSPECTIVE RANDOMISED STUDY**
Bhaskara Kanakeshwar RAJA, Sudipto PATRA, Shanmuganathan RAJASEKARAN (INDIA)
- 47481 SHORT-TERM CLINICAL AND RADIOLOGICAL OUTCOMES FOLLOWING ANATOMICAL TOTAL SHOULDER ARTHROPLASTY USING SELF-REINFORCING, SHORT-STEMMED PROSTHESIS AND LESSER TUBEROSITY OSTEOTOMY**
Ali BAKKAI (SOUTH AFRICA)
- 46632 VALIDATION OF NOVEL OSTEOTOMY DEVICE FOR HUMERUS IN SHOULDER ARTHROPLASTY**
Pratul JAIN (INDIA)

- 47734 THE CONCEPT AND VALUE OF BICEPS RELOCATION IN DIAGNOSIS OF SHOULDER INSTABILITY**
Joanna WALECKA, Przemyslaw LUBIATOWSKI, Jan DLUGOSZ, Jakub STEFANIAK, Leszek ROMANOWSKI (POLAND)
- 47571 CHANGES IN ACTIVITY OF THE SHOULDER STABILISING MUSCLES AFTER LATARJET PROCEDURE**
Sebastian ZABIEREK, Marcin DOMZALSKI, Joanna KOWALSKA (POLAND)
- 47934 KIENBÖCK'S DISEASE – MEDIUM AND LONG-TERM RESULTS AFTER RADIAL OSTEOTOMY**
Marta Sofia SANTOS SILVA, Pedro SERRANO, Sérgio FIGUEIREDO, Alexandre PEREIRA, Miguel TRIGUEIROS, César SILVA (PORTUGAL)
- 46866 COLLAGENASE INJECTIONS FOR DUPUYTREN'S CONTRACTURE: 3-YEAR TREATMENT EFFECT DURABILITY**
Isam ATROSHI, Jesper NORDENSKJÖLD, Anna LAURITZSON (SWEDEN)
- 48173 MANAGEMENT OF FOREARM BONE GAP NON-UNIONS BY ILIZAROV TECHNIQUE**
M. Mofakhkharul BARI (BANGLADESH)
- 48306 COMPARISON OF DORSAL AND VOLAR PERCUTANEOUS APPROACHES IN ACUTE SCAPHOID FRACTURES: A META-ANALYSIS**
Young-Soo SHIN, Kyu-Bok KANG, Jung-Ro YOON (SOUTH KOREA)
- 48292 RADIOLOGICAL OUTCOME OF PERCUTANEOUS K-WIRE FIXATION VERSUS ORIF IN SIMPLE INTRA-ARTICULAR DISTAL RADIUS FRACTURES**
P. VELMURUGESAN, Devendra AGRAHARAM, Dheenadhayalan JAYARAMARAJU, Shanmuganathan RAJASEKARAN (INDIA)
- 47364 RELATIONS WITH THE POSTOPERATIVE REDUCTION POSITION AND GRIP STRENGTH IN THE DISTAL RADIUS FRACTURES INCLUDING THE VOLAR ULNAR FRAGMENTS**
Haruhiko YOSHINARI (JAPAN)
- 47296 AN INNOVATIVE MODE OF CLOSED REDUCTION AND PERCUTANEOUS PINNING ALONE FOR THE TREATMENT OF ALL TYPES OF FRACTURES OF DISTAL END OF RADIUS**
Anilkumar VIDYADHARAN (INDIA)

Friday, 1 December

Time	Auditorium II	Roof Terrace	Room 2.41-2.43	Room 2.44-2.45	Room 2.61-2.66
07:00-08:00	Free Papers Polytrauma Management Page 63				
08:00-10:00	Free Papers Lower Limb Trauma Page 64	Invited Lecture & Free Papers Sports Medicine Page 70	Invited Lecture & Free Papers Paediatrics III Page 73	Invited Lecture & Free Papers Knee II Page 77	Invited Lecture & Free Papers Shoulder & Elbow Page 81
10:00-10:30	Break				
10:30-12:00	Symposium Trauma: High Velocity Injuries & Armed Violence Page 65	Hull Deformity Symposium Tibial Deformity: Analysis & Management Page 71	Symposium Best Evidence Based Practice for Paediatric Trauma & Infections Page 75	Symposium Computer-Assisted Technologies: Update on CAOS in 2017 Page 79	Symposium Management of Stiff Elbow Page 83
12:00-12:30	Plenary Lecture (in Auditorium II) – ASHOK K. JOHARI				
12:30-13:00	Plenary Lecture (in Auditorium II) – SICOT Research Award Papers				
13:00-14:00	SICOT GENERAL ASSEMBLY	Industry-Sponsored Symposium	Industry-Sponsored Symposium	Break	Industry-Sponsored Symposium
14:00-15:30	APOA Symposium The Great Foot & Ankle Debate: Tackling the Biggest Controversies in Foot & Ankle Surgery Page 67	ICRS/SICOT Symposium One Step Cartilage Repair: Current Concepts in 2017 Page 72	Symposium Fractures of the Pelvis & Acetabulum Page 75	SOFcot Symposium The Post-traumatic Osteoarthritic Knee Page 80	Symposium Management of Rotator Cuff Disease Page 84
15:30-16:00	Break				
16:00-17:30	Free Papers Foot & Ankle Page 69	ICRS/SICOT Symposium The Advent of a New Powerful Orthobiologic Drugstore Page 72	Invited Lecture & Free Papers Trauma of the Pelvis Page 75	Young Surgeons Committee Symposium Difficult Case Discussions in Hip & Knee Arthroplasty Page 80	Free Papers Shoulder Arthroplasty Page 84

Room 1.41-1.42	Room 1.43-1.44	Room 1.61-1.62	Room 1.63	Room 1.64	Exhibition Hall
			Young Surgeons Committee Virtual Workshop How to Search Literature Page 99		
Invited Lecture & Free Papers Infections I Page 86	Invited Lecture & Free Papers Hip Arthroplasty Page 90	Invited Lecture & Free Papers Infection in Spine Page 94	Symposium Academic Writing Page 100	Short Free Papers Spine Page 103	
Break					JAM – Hip & Knee
Symposium Infections of the Bone I Page 87	Symposium Update on Arthroscopic Surgery of the Hip: From Basics to Advanced Page 92	Symposium Infections in Spine Page 96	Course Academic Writing: Reviewers' Course Page 100	Invited Lecture & Short Free Papers Sports Medicine Page 104	

Break

Symposium Infections of the Bone II Page 88	ARTOF Symposium & Workshop External Fixation in Damage Control & Beyond Page 93	Invited Lecture & Free Papers Trauma of the Spine Page 96	Symposium Progresses in Musculoskeletal Oncology & Future Directions Page 101	Invited Lecture & Short Free Papers Research Page 106	
Break					JAM – Trauma, Foot & Ankle & Misc.
Free Papers Infections II Page 89	Symposium Microsurgery Roundtable: What's New in Chinese Orthopaedic Microsurgery Page 93	Best Papers Session Page 98	Free Papers Tumours Page 101	Invited Lecture & Short Free Papers Paediatrics Page 108	



Friday, 1 December

Auditorium II

07:00 - 08:00 **Free Papers – Polytrauma Management**

Moderators:

Maritz LAUBSCHER (SOUTH AFRICA), Hans-Christoph PAPE (SWITZERLAND)

- 46557 IDENTIFICATION OF POLYTRAUMATISED PATIENTS IN AN “IN EXTREMIS” CONDITION – A NOVEL APPROACH**
Lukas NEGRIN, Anna ANTONI, Stefan HAJDU, Thomas HEINZ (AUSTRIA)
- 46562 IS SERUM NEUTROPHIL GELATINASE-ASSOCIATED LIPOCALIN A RELIABLE MARKER TO DETECT ACUTE KIDNEY INJURY IN POLYTRAUMATISED PATIENTS?**
Lukas NEGRIN, Reinhard HAHN, Thomas HEINZ, Stefan HAJDU (AUSTRIA)
- 48786 UPPER EXTREMITY INJURIES CONSTITUTE RED FLAGS IN ORTHOPAEDIC GUNSHOT TRAUMA ASSESSMENT**
Esmee ENGELMANN¹, Sithombo MAQUNGO², Stephen ROCHE², Michael HELD²
¹(NETHERLANDS), ²(SOUTH AFRICA)
- 46774 OUTCOME OF DISTRACTION OSTEOGENESIS BY RING FIXATOR IN INFECTED, LARGE BONE DEFECTS OF TIBIA**
Karan SIWACH (INDIA)
- 47787 CYCLIST INJURIES IN RELATION TO A TRAM SYSTEM – DEFINING AN AT RISK POPULATION, INJURIES SUSTAINED AND THEIR EFFECTS ON CYCLISTS**
Julian MAEMPEL, Sam MACKENZIE, Conor MCCANN, Gavin BROWN, Chris OLIVER, Tim WHITE (UNITED KINGDOM)
- 48040 MANAGEMENT AND OUTCOME OF POLYTRAUMATISED CHILDREN: TWENTY YEARS OF EXPERIENCE FROM A LEVEL I TRAUMA CENTRE**
Marcus HOFBAUER, Marcus WINNISCH, Thomas TIEFENBOECK, Julian JOESTL (AUSTRIA)
- 48762 PERSPECTIVES ON THE MANAGEMENT OF HUMERUS FRACTURES DUE TO GUNSHOT TRAUMA: AN INTER- AND INTRA-OBSERVER RELIABILITY STUDY**
Esmee ENGELMANN¹, Takura MUKABETA², Michael HELD², Sithombo MAQUNGO², Stephen ROCHE²
¹(NETHERLANDS), ²(SOUTH AFRICA)

Moderators:

Khaled EMARA (EGYPT), Nando FERREIRA (SOUTH AFRICA)

- 47634 RISK FACTORS FOR POSTOPERATIVE DELIRIUM AFTER NECK OF FEMUR FRACTURE SURGERY**
Shahbaz MALIK, Muaz TAHIR, Sheraz MALIK, Nadia HUSSAIN, Robert JORDAN, Huma NAQVI, Atul MALIK (UNITED KINGDOM)
- 47136 THE CHAMBER INDUCTION TECHNIQUE (C.I.T.) IN THE USE OF BONE TRANSPORT TO IMPROVE THE REGENERATE QUALITY AND TO HEAL THE SEPTIC CONDITION**
Giorgio Maria CALORI, Massimiliano COLOMBO, Simone MAZZOLA, Alessandra Ines Maria COLOMBO, Fabio ROMANÒ, Fabio GIARDINA, Emilio MAZZA (ITALY)
- 46498 MEDIAL MALLEOLUS FIXATION IN COMBINATION WITH FIBULAR INTRAMEDULLARY NAILING – ARE WE WASTING OUR TIME?**
Tom CARTER, Katrina BELL, Samuel MACKENZIE, Marcus HOLLYER, Emma GILL, Andrew DUCKWORTH, Tim WHITE (UNITED KINGDOM)
- 47628 A COMPARISON OF TREATMENT SETTING FOR ELDERLY PATIENTS WITH HIP FRACTURE: IS THE GERIATRIC WARD SUPERIOR TO CONVENTIONAL ORTHOPAEDIC HOSPITALISATION?**
Tal FRENKEL RUTENBERG, Efrat DAGLAN, Snir HELLER, Steven VELKES (ISRAEL)
- 46981 AN INNOVATION FOR PERFECT DOCKING IN BONE TRANSPORT FOR GRADE IIIB OPEN TIBIAL FRACTURES WITH BONE LOSS**
Dheenadhayalan JAYARAMARAJU, Shanmuganathan RAJASEKARAN (INDIA)
- 48207 THE USE OF TAYLOR SPATIAL FRAME (TSF) FRAME IN MALAWI: 10-YEAR EXPERIENCE AT BEIT CURE HOSPITAL**
Nicholas LUBEGA (MALAWI)
- 46519 WEIGHT-BEARING RECOMMENDATIONS AFTER OPERATIVE FRACTURE TREATMENT – FACT OR FICTION?**
Benedikt Johannes BRAUN, Nils VEITH, Mika ROLLMANN, Marcel ORTH, Tobias FRITZ, Steven HERATH, Jörg HOLSTEIN, Tim POHLEMANN (GERMANY)
- 48801 CONDYLAR WIDTH OF THE TIBIAL PLATEAU: A STUDY OF 3D CT MEASUREMENTS OF 84 NORMAL KNEES**
Sorawut THAMYONGKIT, Lynne JONES, Erik HASENBOEHLER, Babar SHAFIQ (UNITED STATES)
- 46242 MANAGEMENT OF ANKLE FRACTURES WITH SOFT TISSUE SWELLING – EXPERIENCE FROM A UK MAJOR TRAUMA CENTRE**
Daniel THURSTON, Gregory MCCONAGHIE, Sarah BARLOW, Faiz SHIVJI, Andrew TAYLOR (UNITED KINGDOM)

- 47311 **PROSPECTIVE STUDY OF 30 CASES OF INTRACAPSULAR NECK OF FEMUR FRACTURE TREATED WITH BIPOLAR HEMIARTHROPLASTY IN THE ELDERLY**
Jay PATEL (INDIA)
- 46945 **BILATERAL ASYMMETRICAL HIP DISLOCATION WITH ONE SIDE OBTURATOR INTRA-PELVIC DISLOCATION – CASE REPORT**
Abduljabbar ALHAMMOUD, Abdullah SAAD ABDULFATTAH ABDULLAH, Ayman ABDELHADY (QATAR)
- 46199 **SUCCESSFUL MANAGEMENT OF RESISTANT DISTAL FEMUR NON-UNIONS WITH ALLOGRAFT AND OSTEOSYNTHESIS: OUTCOME ANALYSIS OF 22 PATIENTS**
Bhaskara Kanakeshwar RAJA, Dheenadayalan JAYARAMARAJU, Shanmuganathan RAJASEKARAN (INDIA)
- 47056 **CHANGES IN THE ANATOMICAL POSITION OF THE SUPERFICIAL AND DEEP FEMORAL ARTERIES DURING INTERNAL FIXATION OF INTERTROCHANTERIC FRACTURES**
Iulian NUSEM, Adam COUGHLAN (AUSTRALIA)
- 46979 **ANALYSIS OF INTRAMEDULLARY NAILING SURGICAL TECHNIQUE IN ASEPTIC FEMORAL SHAFT NON-UNION**
Dheenadhayalan JAYARAMARAJU, Shanmuganathan RAJASEKARAN (INDIA)
- 46198 **MODIFIED CAPANNA’S TECHNIQUE (VASCULARISED FREE FIBULA COMBINED WITH ALLOGRAFT) AS A SINGLE STAGE PROCEDURE IN POST-TRAUMATIC LONG SEGMENT BONE DEFECTS OF THE LOWER END OF FEMUR – ANALYSIS OF A SERIES OF 16 PATIENTS WITH AN AVERAGE GAP OF 14 CMS**
Bhaskara Kanakeshwar RAJA, Dheenadayalan JAYARAMARAJU, Devendra AGRAHARAM, Hari VENKATARAMANI, Shanmuganathan RAJASEKARAN (INDIA)

10:00 - 10:30 *Break*

10:30 - 12:00 **Symposium – Trauma: High Velocity Injuries & Armed Violence**

Moderators:

Shanmuganathan RAJASEKARAN (INDIA), Moshe SALAI (ISRAEL)

OPEN FRACTURES OF THE LOWER LIMBS FOLLOWING: THE GANGA HOSPITAL SCORE

Shanmuganathan RAJASEKARAN (INDIA)

MASS CASUALTY INCIDENCE – LESSONS LEARNED IN TEL AVIV

Moshe SALAI (ISRAEL)

THE GERMAN INITIATIVE TO ORGANISED TERROR ATTACKS INCIDENT

Gerhard ACHATZ (GERMANY)

OUR EXPERIENCE WITH HIGH VELOCITY COMBAT LIMB INJURIES

Eytan DUJOVNY (ISRAEL)

TRIAGE IN MASS CASUALTY

Khaled EMARA (EGYPT)

PANEL DISCUSSION: TERRORISM

12:00 - 12:30

Plenary Lecture – ASHOK K. JOHARI

Chairmen:

Jochen EULERT (GERMANY), Philippe HERNIGOU (FRANCE)

THE MAGIC OF GROWTH

Ashok JOHARI (INDIA)

12:30 - 13:00

Plenary Lecture – SICOT Research Award Papers

Chairman:

Shanmuganathan RAJASEKARAN (INDIA)

THE SICOT RESEARCH ACADEMY AWARDS

Shanmuganathan RAJASEKARAN (INDIA)

AWARDS CEREMONY

Matthew DOBBS (UNITED STATES)

INJECTABLE, BIOMECHANICALLY ROBUST, BIODEGRADABLE AND OSSEOINTEGRATIVE BONE CEMENT FOR PERCUTANEOUS KYPHOPLASTY AND VERTEBROPLASTY

Lei YANG, Huiling LIU, Bin LIU, Chunxia GAO, Bin MENG, Huilin YANG, Haiyang YU (CHINA)

THE STATUS OF TRIANGULAR FIBROCARILAGE COMPLEX AFTER THE UNION OF DISTAL RADIUS FRACTURES WITH INTERNAL PLATE FIXATION

Margaret FOK, C.X. FANG, T.W. LAU, Y.K. FUNG, B.K.K. FUNG, K.L. LEUNG (HONG KONG)

PREDICTING CURVE PROGRESSION AT SKELETAL MATURITY IN ADOLESCENT IDIOPATHIC SCOLIOSIS USING THE DISTAL RADIUS AND ULNA CLASSIFICATION

Jason Pui Yin CHEUNG, Prudence Wing Hang CHEUNG, Dino SAMARTZIS, Keith Dip-Kei LUK (HONG KONG)

13:00 - 14:00

SICOT GENERAL ASSEMBLY

14:00 - 15:30

Asia Pacific Orthopaedic Association Symposium – The Great Foot & Ankle Debate: Tackling the Biggest Controversies in Foot & Ankle Surgery

Moderator:

Gowreeson THEVENDRAN (SINGAPORE)

DEBATE: FOOT & ANKLE TRAUMA

Mark BLACKNEY (AUSTRALIA)

I MANAGE MY ACUTE ACHILLES TENDON RUPTURES NON-OPERATIVELY – FOR

Arvind PURI (AUSTRALIA)

I MANAGE MY ACUTE ACHILLES TENDON RUPTURES NON-OPERATIVELY – AGAINST

Nicholas YEO (SINGAPORE)

I USE A TIGHTROPE EVERY TIME FOR SYNDESMOTIC STABILISATION – FOR

Muhamad FARHAN (SINGAPORE)

I USE A TIGHTROPE EVERY TIME FOR SYNDESMOTIC STABILISATION – AGAINST

Kumar Shantanu ANAND (INDIA)

ALMOST ALL CALCANEAL FRACTURES CAN BE TREATED WITH SINUS TARSI APPROACH – FOR

Deepak RAINA (INDIA)

ALMOST ALL CALCANEAL FRACTURES CAN BE TREATED WITH SINUS TARSI APPROACH – AGAINST

Kumar Shantanu ANAND (INDIA)

QUESTIONS & ANSWERS

DEBATE: FOOT & ANKLE DEFORMITIES

Arvind PURI (AUSTRALIA)

DIABETICS WITH ANKLE FRACTURES: FUSION IS THE WAY FORWARD – FOR

James WEE (SINGAPORE)

DIABETICS WITH ANKLE FRACTURES: FUSION IS THE WAY FORWARD – AGAINST

Muhamad FARHAN (SINGAPORE)

ANKLE REPLACEMENT IS A BETTER OPERATION THAN ARTHROSCOPIC ANKLE FUSIONS – FOR

Nurettin HEYBELI (TURKEY)

ANKLE REPLACEMENT IS A BETTER OPERATION THAN ARTHROSCOPIC ANKLE FUSIONS – AGAINST

Gowreeson THEVENDRAN (SINGAPORE)

PRP, STEM CELLS, BONE MARROW ASPIRATE: I USE THEM ALL THE TIME, MOST OF THE TIME – FOR

Syah BAHARI (MALAYSIA)

PRP, STEM CELLS, BONE MARROW ASPIRATE: I USE THEM ALL THE TIME, MOST OF THE TIME – AGAINST

Arvind PURI (AUSTRALIA)

QUESTIONS & ANSWERS

DEBATE: FOOT & ANKLE SPORTS

Syah BAHARI (MALAYSIA)

EARLY SURGICAL INTERVENTION FOR PLANTAR FASCIITIS – FOR

Mark BLACKNEY (AUSTRALIA)

EARLY SURGICAL INTERVENTION FOR PLANTAR FASCIITIS – AGAINST

James WEE (SINGAPORE)

OSTEOCHONDRAL LESIONS OF THE TALUS: ARTHROSCOPIC DEBRIDEMENT & MICROFRACTURE IS NO MORE ENOUGH – FOR

Nurettin HEYBELI (TURKEY)

OSTEOCHONDRAL LESIONS OF THE TALUS: ARTHROSCOPIC DEBRIDEMENT & MICROFRACTURE IS NO MORE ENOUGH – AGAINST

Nicholas YEO (SINGAPORE)

I AM A HUGE FAN OF THE GASTROCNEMIUS RECESSON – FOR

Gowreeson THEVENDRAN (SINGAPORE)

I AM A HUGE FAN OF THE GASTROCNEMIUS RECESSON – AGAINST

Chua Yeok PIN (MALAYSIA)

QUESTIONS & ANSWERS

15:30 - 16:00 *Break*

Moderators:

Craig BROWN (SOUTH AFRICA), Gowreeson THEVENDRAN (SINGAPORE)

- 48583 THE NORMAL ANATOMY OF THE SYNDESMOSIS ON WEIGHT BEARING CT SCAN**
Matthew WELCK, Barry ROSE, Dishan SINGH, Nicholas CULLEN, Karan MALHOTRA, Andrew GOLDBERG (UNITED KINGDOM)
- 48293 THE RADIOGRAPHIC CHANGE OF THE DISTAL TIBIOFIBULAR JOINT FOLLOWING THE REMOVAL OF TRANSFIXING SCREWS AFTER SYNDESMOTIC FIXATION**
Bi O JEONG, Chungsoo HAN, Yoonje CHO, Hyuk JUNG (SOUTH KOREA)
- 46375 TIMING OF OPEN REDUCTION AND INTERNAL FIXATION OF ANKLE FRACTURES**
Direk TANTIGATE¹, Gavin HO², Joshua KIRSCHENBAUM², Christina FREIBOTT², Benjamin ASHERMAN², Justin GREISBERG², Turner VOSELLER²
¹(THAILAND), ²(UNITED STATES)
- 48399 ORIS POSTERIOR MALLEOLLUS ANKLE WITH POSTERIOR ANTEGLIDE PLATE BY POSTEROLATERAL APPROACH – STUDY OF 16 CASES**
Anil SINGHAL (INDIA)
- 48371 PEDOGRAPHIC ANALYSIS OF FOOT PRESSURE PATTERNS FOLLOWING OPERATIVE MANAGEMENT OF ANKLE FRACTURES AND ITS CLINICAL IMPLICATIONS**
Jayasankar VISWANATH, Perur JAYASANKAR (INDIA)
- 48339 PLATELET-RICH PLASMA TREATMENT FOR CHRONIC HEEL PAIN: A PROSPECTIVE OUTCOME STUDY OF 193 CASES**
Moataz HANTOUSH, Yuhan CHEE (SINGAPORE)
- 47398 ROLE OF DECOMPRESSION OF UNRECOVERED COMMON PERONEAL COMPONENTS ON SCIATIC NERVE**
Hardas Singh SANDHU, Parvinder SANDHU, Saurabh AGRAWAL (INDIA)
- 48693 TIBIAL PLAFOND FRACTURE: EVALUATION OF SURGICAL TREATMENT**
Marta Sofia SANTOS SILVA, Pedro SERRANO, Luís BARROS, João ESTEVES, Cláudia RODRIGUES, Luís COSTA, José MURAS, Manuel MARQUES (PORTUGAL)
- 48396 COMPARATIVE STUDY FOR THE TREATMENT OF PLANTAR FASCIITIS BY CORTICOSTEROID VS. PLATELET RICH PLASMA (PRP) – A PROSPECTIVE STUDY OF 40 CASES**
Tarun KUKREJA, Tushar AGARWAL (INDIA)
- 48019 COMPARISON OF TWO SURGICAL APPROACHES FOR DISPLACED INTRA-ARTICULAR CALCANEAL FRACTURES: SINUS TARSII VERSUS EXTENSILE LATERAL APPROACH**
Keun-Bae LEE, Je-Hyoung YEO, Gun-Woo LEE, Min-Cheol KIM (SOUTH KOREA)



Friday, 1 December

Roof Terrace

08:00 - 10:00

Invited Lecture & Free Papers – Sports Medicine

Moderators:

Satish KUTTY (UNITED KINGDOM), Johan PRINS (SOUTH AFRICA)

Invited Speaker

UPDATE ON THE ANTEROLATERAL LIGAMENT

Fabio SCIARRETTA (ITALY)

- 47964 ARTHROSCOPIC RELEASE OF EXTRINSIC ELBOW CONTRACTURE – RECOVERY AND FINAL RESULTS**
Joanna WALECKA, Marta SLEZAK, Przemyslaw LUBIATOWSKI (POLAND)
- 48318 POSTOPERATIVELY NEW-ONSET PSEUDOPARALYSIS – RETROSPECTIVE ANALYSIS OF 652 CONSECUTIVE ARTHROSCOPIC REPAIRS FOR LARGE-TO MASSIVE ROTATOR CUFF TEAR**
Hyeon Jang JEONG, Joo Han OH, Sung Min RHEE, Kyung Pyo NAM, Park JOO HYUN, Ji Hyun YEO, Kwang Jin LEE (SOUTH KOREA)
- 47420 ASSESSMENT OF POTENTIAL DELETERIOUS EFFECTS OF STRENGTH TRAINING EXERCISES OF THE SHOULDER JOINT ACCORDING TO SPECIFIC PATHOLOGIES**
Alexandre LÄDERMANN, Nicolas HOLZER, Pierre HOFFMEYER, Caecilia CHARBONNIER (SWITZERLAND)
- 47416 IS ACROMIOPLASTY PLANIFICATION USEFUL? A PROSPECTIVE RANDOMISED TRIAL**
Alexandre LÄDERMANN, Caecilia CHARBONNIER (SWITZERLAND)
- 47069 RESTORATION OF CAPSULOLABRAL ANATOMY WITH THE LABRAL BRIDGE REPAIR IN COMPARISON TO NATIVE AND STANDARD TECHNIQUES**
Roman Christian OSTERMANN¹, Nicole FISCHER², Juliane TRÖNDLE², Leo PAUZENBERGER¹, Todd MOEN³, Coen WIJDICKS²
¹(AUSTRIA), ²(GERMANY), ³(UNITED STATES)
- 46299 LEVEL OF THE SUBSCAPULARIS SPLIT DURING ARTHROSCOPIC LATARJET**
Alexandre LÄDERMANN¹, Patrick DENARD², Johannes BARTH³
¹(SWITZERLAND), ²(UNITED STATES), ³(FRANCE)
- 48262 THE EFFECT OF INSERTION ANGLE AND PULLING ANGLE ON THE PULLOUT STRENGTH OF ALL-SUTURE TYPE ANCHORS**
Joo Han OH, Hyeon Jang JEONG (SOUTH KOREA)
- 47719 THE EFFECT OF LATERAL ROW ANCHOR CONFIGURATION ON STRENGTH OF FIXATION IN DOUBLE ROW ARTHROSCOPIC ROTATOR CUFF REPAIR**
Nuri AYDIN, Alp ARYA (TURKEY)

- 46298 **BRAIN RECOVERY IS ONLY PARTIAL AFTER ANTERIOR SHOULDER STABILISATION**
Alexandre LÄDERMANN, Grégory CUNNINGHAM (SWITZERLAND)
- 48291 **ARTICULAR-SIDED VERSUS BURSAL-SIDED PARTIAL-THICKNESS ROTATORIAN CUFF TEARS: IS THERE A DIFFERENCE AFTER ARTHROSCOPIC TEAR COMPLETION AND REPAIR?**
Benjamin Fu Hong ANG, Mun Chun LAI, William YEO, Denny Tjiauw Tjoen LIE (SINGAPORE)
- 47670 **A RANDOMISED TRIAL COMPARING ROLE OF INJECTION CORTICOSTEROID AND INJECTION PLATELET RICH PLASMA (PRP) IN SUBACROMIAL BURSITIS**
Vijay KUMAR, Amrut RAJE, Bhavuk GARG, Deep SRIVASTAVA, Prakash P. KOTWAL (INDIA)

10:00 - 10:30 *Break*

10:30 - 12:00 **Hull Deformity Symposium – Tibial Deformity: Analysis & Management**

Moderator:

Hemant SHARMA (UNITED KINGDOM)

LOWER LIMB ALIGNMENT (+ OBLIQUE PLANE)

Reggie HAMDY (CANADA)

OSTEOTOMY AND HARDWARE CONCEPTS (INTERNAL VS. EXTERNAL FIXATION)

Franz BIRKHOLTZ (SOUTH AFRICA)

VIDEO: HOW DO I DO IT – HINGES + HEXAPOD

Hemant SHARMA (UNITED KINGDOM)

TIPS AND TRICKS (INCLUDING AVOIDING COMPLICATIONS)

Nando FERREIRA (SOUTH AFRICA)

CONSEQUENCES OF MALALIGNMENT

Gamal HOSNY (EGYPT)

DISCUSSION

12:00 - 12:30 *Plenary Lecture – ASHOK K. JOHARI (in Auditorium II)*

12:30 - 13:00 *Plenary Lecture – SICOT Research Award Papers (in Auditorium II)*

13:00 - 14:00 *Industry-Sponsored Symposium*

14:00 - 15:30 **International Cartilage Repair Society/SICOT Symposium – One-Step Cartilage Repair: Current Concepts in 2017**

Moderators:

Stephen ABELOW (UNITED STATES), Fabio SCIARRETTA (ITALY), William VAN DER MERVE (SOUTH AFRICA)

MICROFRACTURES VERSUS NANOFRACTURES

Fabio SCIARRETTA (ITALY), Stephen ABELOW (UNITED STATES), William RODKEY (UNITED STATES)

AUTOLOGOUS OSTEOCHONDRAL GRAFTS

Martyn SNOW (UNITED KINGDOM)

VIDEO: ARTICULAR CARTILAGE PASTE GRAFT TECHNIQUE

Kevin STONE (UNITED STATES)

PRP + REGENOGEL

Ron ARBEL (ISRAEL)

PERIOPERATIVE PREPARED AUTOLOGOUS CARTILAGE SCAFFOLD IN OSTEOCHONDRAL LESIONS

Dzihan ABAZOVIC (SERBIA)

ALLOGRAFTS

Stephen ABELOW (UNITED STATES)

INSTRUCTIONAL SURGICAL TECHNIQUE VIDEO: ARTHROSCOPIC ACI-MACI

Stephen ABELOW (UNITED STATES)

DISCUSSION

15:30 - 16:00 *Break*

16:00 - 17:30 **International Cartilage Repair Society/SICOT Symposium – The Advent of a New Powerful Orthobiologic Drugstore**

Moderators:

Stephen ABELOW (UNITED STATES), Fabio SCIARRETTA (ITALY), William VAN DER MERVE (SOUTH AFRICA)

ACELLULAR MATRIX-BASED REPAIR TECHNIQUE

Christian LUERING (GERMANY)

LIPO-AMIC

Fabio SCIARRETTA (ITALY)

INSTRUCTIONAL LECTURE: ONE-STEP CARTILAGE REPAIR WITH BMC

Alberto GOBBI (ITALY)

ACL, MENISCAL AND CHONDRAL COMBINED REPAIR

Rene VERDONK (BELGIUM)

SUBCHONDRAL BONE DEFECTS TREATMENT

Marco DEMANGE (BRAZIL)

MALALIGNMENT OSTEOTOMY CORRECTION IN CHONDRAL DEFECTS

Gamal HOSNY (EGYPT)

DISCUSSION



Friday, 1 December

Room 2.41-2.43

08:00 - 10:00

Invited Lecture & Free Papers – Paediatrics III

Moderators:

Ashok JOHARI (INDIA), David CHOON (MALAYSIA)

Invited Speaker

THE APOA – HISTORY, EVOLUTION AND OBJECTIVES

David CHOON (MALAYSIA)

46835 DURATION OF IMMOBILISATION AFTER DEVELOPMENTAL DYSPLASIA OF THE HIP (DDH) OPEN REDUCTION SURGERY

Khaled EMARA, Mohamed AL KERSH, Mohamed AMR, Fahad Abdulazeez HAYYAWI (EGYPT)

47186 HIGHER INCIDENCE OF FEMORAL NERVE PALSY AFTER PAVLIK HARNESS TREATMENT FOR DEVELOPMENTAL DISLOCATION OF THE HIP

Tetyana MYRONENKO, Ahmed EL-BAKOURY, Rafik FANOUS, Tahir KHAN (UNITED KINGDOM)

48418 APPLICATION OF ANTEROLATERAL APPROACH IN THE TREATMENT OF FEMOROACETABULAR IMPINGEMENT OF THE HIP

Um Ji KIM, Hui Taek KIM, Taeyoung AHN (SOUTH KOREA)

48403 MID-TERM RESULTS OF PAVLIK HARNESS TREATMENT FOR DEVELOPMENTAL DYSPLASIA OF THE HIP

Taeyoung AHN, Hui Taek KIM, Chong Il YOO (SOUTH KOREA)

- 48234 THE EFFECT OF SCREENING POLICIES ON AGE AT DIAGNOSIS AND RATES OF SURGERY IN DEVELOPMENTAL DYSPLASIA OF THE HIP (DDH): A BI-NATIONAL STUDY**
Ran WEI¹, Elhanan BAR-ON², Eyal MARCADO², Karen DALY¹, Andrea YEO¹, Yael GELFER¹
¹(UNITED KINGDOM), ²(ISRAEL)
- 47231 CLOSED REDUCTION AND PERCUTANEOUS PINNING OF SUPRACONDYLAR FRACTURE OF HUMERUS IN CHILDREN WITH WARM PULSELESS HAND**
Ahmad Ibraheem ADDOSOOKI, Ahmed ABDELAAL, Ashraf Rashad MARZOUK, Mohamed Atia SAYED, Ahmed FAYSAL, Ahmad Fawaz MORSY, Moustafa Ismail ELSAYED, Ahmed Saleh Shaker SLEEM, Mohamed Elsayed ABDELWANIS (EGYPT)
- 47229 POSTEROMEDIAL APPROACH TO THE DISTAL HUMERUS FOR TREATMENT OF THE MEDIAL COLUMN FRACTURES IN CHILDREN**
Ahmad Ibraheem ADDOSOOKI, Ahmed ABDELAAL, Ashraf Rashad MARZOUK, Ahmed Saleh Shaker SLEEM, Moustafa Ismail ELSAYED, Ahmad Fawaz MORSY (EGYPT)
- 48797 MANAGEMENT AND OUTCOMES OF MULTIDIRECTIONALLY UNSTABLE GARTLAND IV PAEDIATRIC SUPRACONDYLAR FRACTURES – A SYSTEMATIC REVIEW**
Grace YIP, Krishna BODDU, Sandesh LAKKOL (UNITED KINGDOM)
- 48003 COULD TRANSIENT FIXATION OF LUMBAR INSTRUMENTED VERTEBRA PRESERVE THE LUMBAR MOTION IN LENKE TYPE C?**
Hak Sun KIM, Seungjin CHOI, Hwan Mo LEE, Joong Won HA (SOUTH KOREA)
- 46238 CORRELATIONS OF SERUM LEPTIN, ADIPONECTIN AND RESISTIN LEVELS WITH BODYWEIGHT AND GMFCS CLASSIFICATIONS IN CHILDREN WITH CEREBRAL PALSY**
Noppachart LIMPAPHAYOM, Phatcharapa OSATEERAKUN, Soarawit WEERASOPONE, Chavarin AMARASE, Sittisak HONSAWEK (THAILAND)
- 48771 THE EFFECT OF SPINAL DEFORMITY SURGERY ON PNEUMONIA AND PULMONARY FUNCTION IN PATIENTS WITH NON-IDIOPATHIC SCOLIOSIS**
Joshua HYMAN, Anas MINKARA, Michael VITALE, Hiroko MATSUMOTO, Fay CALLEJO, Nicole BAINTON, Benjamin ROYE, David ROYE (UNITED STATES)

10:00 - 10:30 *Break*

10:30 - 12:00

Symposium – Best Evidence Based Practice for Paediatric Trauma & Infections

Moderator:

Patricia FUCS (BRAZIL)

THE HOLE OF EXTERNAL FIXATORS IN PAEDIATRIC FRACTURES

Gamal HOSNY (EGYPT)

SUPRACONDYLAR HUMERUS FRACTURES

George THOMPSON (UNITED STATES)

FEMUR FRACTURES

Patricia FUCS (BRAZIL)

TIBIA FRACTURES

Matthew DOBBS (UNITED STATES)

INFECTIONS

Reggie HAMDY (CANADA)

DISCUSSION

12:00 - 12:30

Plenary Lecture – ASHOK K. JOHARI (in Auditorium II)

12:30 - 13:00

Plenary Lecture – SICOT Research Award Papers (in Auditorium II)

13:00 - 14:00

Industry-Sponsored Symposium

14:00 - 15:30

Symposium – Fractures of the Pelvis & Acetabulum

Moderators:

David HAK (UNITED STATES), Jordan SAVESKI (MACEDONIA)

PELVIC AND ACETABULAR FRACTURES

David HAK (UNITED STATES)

SURGICAL TREATMENT OF COMBINED ACETABULAR AND PELVIC RING FRACTURES

Jordan SAVESKI (MACEDONIA)

TRAUMATIC PELVIC ACETABULUM DISSOCIATION

Dariush GOURAN SAVADKOOHI (IRAN)

PRIMARY THR VS. ORIF FOR PELVIC AND ACETABULUM FRACTURES

Nimrod ROZEN (ISRAEL)

EXTRA-PERITONEAL PRESSURE PACKING: LIFE-SAVING PELVIC PACKING IN MULTI-TRAUMA

Vilmos VECSEI (AUSTRIA)

MANAGEMENT OF DELAYED PRESENTATION IN ACETABULAR FRACTURES

Ramesh SEN (INDIA)

DISCUSSION

15:30 - 16:00 *Break*

16:00 - 17:30 *Invited Lecture & Free Papers – Trauma of the Pelvis*

Moderators:

Gian DU PREEZ (SOUTH AFRICA), Narinder Kumar MAGU (INDIA)

Invited Speaker

MAGU-JOSTEN KL APPROACH IN THE MANAGEMENT OF ELEMENTARY AND COMPLEX FRACTURES OF THE ACETABULUM

Narinder Kumar MAGU (INDIA)

46899 EVALUATION OF ACCURACY OF VIRTUAL SURGICAL PLANNING FOR PRE-CONTOURED PLATES IN ACETABULAR FRACTURE FIXATION

Tarun VERMA (INDIA)

48688 OUTCOME ANALYSIS OF MANAGEMENT OF PELVIC RING FRACTURES IN EMERGENCY: CONSERVATIVE VERSUS SURGICAL, AT LEVEL III TRAUMA CENTRE IN INDIA

Manish Kumar SHARMA, Sunil Kumar DASH, Sanket MISHRA, Deepankar SATHAPATHY, Syed Shahruq AHMED (INDIA)

48581 FACTORS AFFECTING FUNCTIONAL OUTCOME OF SURGICALLY MANAGED FRACTURE OF THE ACETABULUM

Shah WALIULLAH, Dharmendra KUMAR, Narendra Singh KUSHWAHA, Santosh KUMAR, Girish Kumar SINGH (INDIA)

48108 SACRAL FRACTURES WITH SPONDYLOPELVIC DISSOCIATION: OUR EXPERIENCE

Leonardo BETTINI, Francesca TOTTI, Filippo FRENOS, Ilaria BARNI, Domenico Andrea CAMPANACCI, Roberto BUZZI, Stefano ROMOLI, Pietro DE BIASE (ITALY)

- 46822 MID-TERM RADIOLOGIC AND FUNCTIONAL OUTCOMES OF MINIMALLY INVASIVE FIXATION OF UNSTABLE PELVIC RING INJURIES USING AN ANTERIOR SUBCUTANEOUS PELVIC INTERNAL FIXATOR (INFIX) AND PERCUTANEOUS ILIOSACRAL SCREWS**
Aju BOSCO, Ajoy SHETTY, Ramesh PERUMAL, Dheenadhayalan JAYARAMARAJU, Shanmuganathan RAJASEKARAN (INDIA)
- 48411 IS INTERNAL FIXATION EFFECTIVE IN PUBIC SYMPHYSIS DIASTASIS?**
Kuo-Yuan TSENG, Shanwei YANG, Kai Cheng LIN (TAIWAN)
- 48320 SCIATIC NERVE INJURY WITH FRACTURE OF ACETABULUM: DOES EARLY SURGICAL MANAGEMENT AFFECT RECOVERY?**
Waleed AMRHASSAEN, Tamer DAWUD (EGYPT)
- 46520 A NEW MINIMALLY INVASIVE FIXATION TECHNIQUE FOR OPEN-BOOK INJURIES – A BIOMECHANICAL ANALYSIS**
Tobias FRITZ, Benedikt Johannes BRAUN, Laura METTELSIEFEN, Friedemann STROBEL, Tim POHLEMANN, Sascha J. HOPP, Nils Thomas VEITH, Antonius PIZANIS (GERMANY)



Friday, 1 December

Room 2.44-2.45

08:00 - 10:00

Invited Lecture & Free Papers – Knee II

Moderators:

Andrea COLOMBELLI (ITALY), Matt MORREY (UNITED STATES)

Invited Speaker

ALL-POLYETHYLENE TIBIA IN TOTAL KNEE ARTHROPLASTY – FACT OR FICTION?

Matt MORREY (UNITED STATES)

47686 COMPARATIVE STUDY OF CT-GUIDED PATIENT SPECIFIC JIG ASSISTED TKA AND CONVENTIONAL INSTRUMENTATION TKA

Bushu HARNA (INDIA)

47610 IMPACT OF SIZE-SPECIFIC INSTRUMENTATION SETS ON PROCESS COSTS AND HANDLING COMPLEXITY

Wilfried VON EIFF (GERMANY)

46271 REVISION TOTAL KNEE ARTHROPLASTY FOR FAILED HIGH TIBIAL OSTEOTOMY AND UNICOMPARTMENTAL KNEE ARTHROPLASTY HAS SIMILAR CLINICAL OUTCOMES IN A 2-YEAR PROSPECTIVE FOLLOW-UP STUDY

Jason Beng Teck LIM, Hwei Chi CHONG, Hee Nee PANG, Keng Jin Darren TAY, Shi-Lu CHIA, Ngai Nung LO, Seng Jin YEO (SINGAPORE)

- 47782 RELATIONSHIP OF CORRECTABLE VARUS DEFORMITY WITH FEMUR EXTERNAL ROTATION IN PATIENTS UNDERGOING TOTAL KNEE ARTHROPLASTY USING COMPUTER-ASSISTED SURGERY AND COMPARISON BETWEEN GAP MANAGEMENT AND MEASURED RESECTION TECHNIQUES**
Krishna Kiran EACHEMPATI, Chandra Sekhar DANNANA (INDIA)
- 47693 GAP BALANCING IN COMPUTER NAVIGATED TOTAL KNEE ARTHROPLASTY**
Jerry Yongqiang CHEN, Mann Hong TAN (SINGAPORE)
- 46991 ROLE OF METAPHYSEAL SLEEVES IN SEPTIC REVISIONS OF TKR**
Buddhadeb CHATTERJEE (INDIA)
- 48415 TWO YEARS' CLINICAL AND RADIOLOGICAL OUTCOMES COMPARING METAPHYSEAL SLEEVE VERSUS CONVENTIONAL AUGMENTS IN REVISION TKR: A MATCHED PAIR ANALYSIS**
Mun Chun LAI, Jerry Yongqiang CHEN, Ngai Nung LO, Seng Jin YEO, Hee Nee PANG (SINGAPORE)
- 47472 METAPHYSEAL SLEEVES IN REVISION TKA SURGERY: PROMISING MID-TERM RESULTS**
Sebastian Martin KLIM, Mathias GLEHR, Florian AMERSTORFER, Patrick SADOGLI, Gerwin BERNHARDT, Andreas LEITHNER, Roman RADL, Norbert KASTNER (AUSTRIA)
- 46176 PREOPERATIVE KINEMATIC NAVIGATION FOR SURGICAL APPROACH CHOICE IN VALGUS TKR SURGERY**
Radek HART, Martin KOMZAK (CZECH REPUBLIC)
- 48787 MECHANICAL SURVIVORSHIP OF HINGED KNEE ARTHROPLASTY FOR COMPLEX KNEE REVISIONS**
Akash SARAOGI¹, Kevin SYAM², Naveen LOKIKERE², Hajime NAGAI², Henry WYNN-JONES², Tim BOARD², George PAVLOU², Nikhil SHAH², Martyn PORTER², Peter KAY²
¹(INDIA), ²(UNITED KINGDOM)
- 48074 COMPARISON OF THE ACCURACY OF COMPUTER ASSISTED NAVIGATED SURGERY IN ACHIEVING FINAL COMPONENT ALIGNMENT IN TOTAL KNEE ARTHROPLASTY BETWEEN SEVERE (>15°) AND MILD-MODERATE (<15°) VARUS DEFORMITIES**
Krishna Kiran EACHEMPATI, Chandra Sekhar DANNANA (INDIA)
- 48830 COMPUTER NAVIGATED TOTAL KNEE ARTHROPLASTY: IMPROVED FUNCTIONAL OUTCOME AND PATIENT SATISFACTION WITH GAP BALANCING COMPARED TO MEASURED RESECTION**
Navnit MAKARAM, Nicholas CLEMENT, Jackie BELL, Christopher TIEMESSEN, Mehdi SYED ALI, Sara LIVINGSTON (UNITED KINGDOM)
- 48083 INDIVIDUAL KNEE SPACERS CREATED WITH 3D TECHNOLOGIES**
Yaroslav RUKIN, Aleksey LYCHAGIN, Valeriy MURILEV, Grigoriy ZAKHAROV, Semen ALEKSEEV (RUSSIA)

46209 HOFFA PAD IN TKR: DISSECTED OR NOT?
Bassel EL-OSTA¹, Ondrej REJDA², Florian MERKLE², Tomas TRC²
¹(LEBANON), ²(CZECH REPUBLIC)

47626 COMPARATIVE RESULTS OF 100 CEMENTED VS. 100 CEMENTLESS NEW WAVE™ TOTAL KNEE ARTHROPLASTIES AT A MINIMUM FOLLOW-UP OF 11 YEARS
Jean Louis PRUDHON, Regis VERDIER (FRANCE)

10:00 - 10:30 *Break*

10:30 - 12:00 **Symposium – Computer-Assisted Technologies: Update on CAOS in 2017**

Moderators:
Ajeya ADHIKARI (UNITED KINGDOM), Djordje LAZOVIC (GERMANY)

DEBATE: CUSTOM IMPLANTS ARE BETTER

FOR – CUSTOM IMPLANTS ARE BETTER
Maximilian RUDERT (GERMANY)

AGAINST – CUSTOM IMPLANTS ARE BETTER
Frederic PICARD (UNITED KINGDOM)

DISCUSSION

DEBATE: ROBOTS OR NAVIGATION

ROBOTS
Alberto GREGORI (UNITED KINGDOM)

NAVIGATION
Frederic PICARD (UNITED KINGDOM)

DISCUSSION

VIDEO SESSION – TECHNIQUES

PINLESS NAVIGATION – KNEES
Ajeya ADHIKARI (UNITED KINGDOM)

HIP NAVIGATION
Kamal DEEP (UNITED KINGDOM)

CURRENT CONCEPTS

CURRENT STATE OF HIP NAVIGATION
Djordje LAZOVIC (GERMANY)

QUO VADIS CAOS
Rene VERDONK (BELGIUM)

PSI
Mahmoud HAFEZ (EGYPT)

DISCUSSION

12:00 - 12:30 *Plenary Lecture – ASHOK K. JOHARI (in Auditorium II)*

12:30 - 13:00 *Plenary Lecture – SICOT Research Award Papers (in Auditorium II)*

13:00 - 14:00 *Break*

14:00 - 15:30 **Société Française de Chirurgie Orthopédique et Traumatologique Symposium – The Post-traumatic Osteoarthritic Knee**

Moderators:

Jean-Noel ARGENSON (FRANCE), Michel COLMAR (FRANCE)

POST-TRAUMATIC ARTHRITIS OF THE KNEE: AN EPIDEMIC PROBLEM IN 2017

Michel COLMAR (FRANCE)

ANALYSIS AND RESULTS OF A MULTI-CENTRIC NATIONAL SERIES OF 371 CASES AT 10 YEARS' FOLLOW-UP

Sophie PUTMAN (FRANCE)

ANALYSIS AND RESULTS ACCORDING TO AETIOLOGY: FRACTURE, LIGAMENT, OSTEOTOMY

Sebastien LUSTIG (FRANCE)

TIPS AND TRICKS TO AVOID COMPLICATIONS IN TKA FOR POST-TRAUMATIC ARTHRITIS

Pascal VIE (FRANCE)

CASE BASED DISCUSSION FOR TAKE HOME MESSAGES

Jean-Noel ARGENSON (FRANCE)

15:30 - 16:00 *Break*

16:00 - 17:30 **Young Surgeons Committee Symposium – Difficult Case Discussions in Hip & Knee Arthroplasty**

Moderators:

Fares HADDAD (UNITED KINGDOM), Fatih KUCUKDURMAZ (TURKEY)

Faculty:

Carsten PERKA (GERMANY), Jean Noël ARGENSON (FRANCE), Omer Faruk BILGEN (TURKEY), Andre FERREIRA (FRANCE), Murat BOZKURT (TURKEY)

CASE 1

Ali ENAYATOLLAHI (IRAN)

CASE 2

Ahmed ABDELAZEEM (EGYPT)

CASE 3

Rashad ZEYNALOV (AZERBAIJAN)

CASE 4

Ahmed ALGHAMDI (SAUDI ARABIA)

CASE 5

Mustafa ASANSU (TURKEY)

CASE 6

Saheed YAKUB (NIGERIA)

CASES 7 & 8

Ruwais BINLAKSAR (YEMEN)

CASES 9 & 10

Tunay ERDEN (TURKEY)

CASES 11 & 12

Hitesh GOPALAN (INDIA)

FINAL REMARKS

Fares HADDAD (UNITED KINGDOM)

Q&A – DISCUSSION



Friday, 1 December

Room 2.61-2.66

08:00 - 10:00

Invited Lecture & Free Papers – Shoulder & Elbow

Moderators:

Lee VAN RENSBURG (UNITED KINGDOM), Basil VRETTOS (SOUTH AFRICA)

Invited Speaker

TAKING THE TERROR OUT OF THE ELBOW TRIADS

Lee VAN RENSBURG (UNITED KINGDOM)

- 47755 CAN WE REASONABLY SUGGEST A TOTAL ELBOW PROSTHESIS TO PATIENTS BELOW THE AGE OF 55?**
Pierre MANSAT, Mahdi SIALA, Julien TOULEMONDE, Stephanie DELCLAUX, Michel RONGIÈRES, Nicolas BONNEVIALLE (FRANCE)
- 48133 MID-TERM OUTCOMES OF 77 MODULAR RADIAL HEAD PROSTHESES**
Pierre LAUMONERIE¹, Nicolas REINA¹, David ANCELIN¹, Meagan TIBBO², Nicolas BONNEVIALLE¹, Pierre MANSAT¹
¹(FRANCE), ²(UNITED STATES)
- 48547 LONG-TERM FOLLOW-UP AFTER IMPLANTATION OF A BIPOLAR RADIAL HEAD PROSTHESIS VS. OSTEOSYNTHESIS TO TREAT COMPLEX RADIAL HEAD FRACTURES**
David STEIMER, Samantha BADURA, Christian KRETTEK, Martin PANZICA (GERMANY)
- 48230 COMPARISON OF INTRA-ARTICULAR FINDINGS AND CLINICAL FEATURES BETWEEN PATIENTS WITH SYMPTOMATIC ANTERIOR INSTABILITY AFTER RECURRENT SHOULDER SUBLUXATION AND DISLOCATION**
In PARK, Sang-Jin SHIN, Jae-Hoo LEE, Hwan-Sub HYUN (SOUTH KOREA)
- 47924 ARTHROSCOPIC REMPLISSAGE FOR RECURRENT SHOULDER INSTABILITY**
Sahil SANGHAVI (INDIA)
- 47900 OUTCOME OF BRISTOW-LATARJET PROCEDURE IN A GROUP OF MULTIDISLOCATORS**
Sebastian ZABIEREK, Marcin DOMZALSKI (POLAND)
- 48520 FACTORS ASSOCIATED WITH ATRAUMATIC POSTEROSUPERIOR ROTATOR CUFF TEAR**
Hyung Bin PARK, Ji-Yong GWARK (SOUTH KOREA)
- 48352 NEW QUANTIFICATION METHOD FOR THE FATTY INFILTRATION**
Jin Woong YI, Jun Bum JUN, Tae Gyun KIM, Sang-Bum KIM (SOUTH KOREA)
- 48258 ASSOCIATION BETWEEN HIGH-NORMAL FASTING PLASMA GLUCOSE LEVELS AND POSTEROSUPERIOR ROTATOR CUFF TEARS**
Ji-Yong GWARK, Hyung Bin PARK (SOUTH KOREA)
- 47754 CLINICAL AND ANATOMIC RESULTS OF SURGICAL REPAIR OF CHRONIC ROTATOR CUFF TEARS AT 10-YEAR MINIMUM FOLLOW-UP**
Pierre MANSAT, Fanny ELIA, Marine ARBOUCALOT, Julie LEBON, Amélie FARAUD, Nicolas BONNEVIALLE (FRANCE)
- 46226 SERIAL CHANGES IN 3-DIMENSIONAL SUPRASPINATUS MUSCLE VOLUME FOLLOWING ROTATOR CUFF REPAIR**
Seok Won CHUNG, Jong Pil YOON, Joon Yub KIM (SOUTH KOREA)

48054 WHICH IS BETTER BETWEEN CONVENTIONAL EN MASSE REPAIR VERSUS SEPARATE DOUBLE-LAYER DOUBLE-ROW REPAIR FOR THE TREATMENT OF DELAMINATED ROTATOR CUFF TEARS: A PROSPECTIVE RANDOMISED STUDY

Yang-Soo KIM, Hyo-Jin LEE, Gwang Young SUNG, Dong-Jin KIM, Jong-Ho KIM (SOUTH KOREA)

10:00 - 10:30 *Break*

10:30 - 12:00 **Symposium – Management of Stiff Elbow**

Moderators:

Przemyslaw LUBIATOWSKI (POLAND), Pierre MANSAT (FRANCE)

WHY DOES AN ELBOW BECOME STIFF?

Marius SCARLAT (FRANCE)

OPEN RELEASE OF THE ELBOW: TECHNIQUE AND RESULTS

Przemyslaw LUBIATOWSKI (POLAND)

ARTHROSCOPIC RELEASE OF THE ELBOW: TECHNIQUE AND RESULTS

Pierre MANSAT (FRANCE)

HETEROTOPIC OSSIFICATION LIMITING MOTION

Basil VRETTOS (SOUTH AFRICA)

RARE CASES AND DISCUSSION

Stephen ROCHE (SOUTH AFRICA)

12:00 - 12:30 *Plenary Lecture – ASHOK K. JOHARI (in Auditorium II)*

12:30 - 13:00 *Plenary Lecture – SICOT Research Award Papers (in Auditorium II)*

13:00 - 14:00 *Industry-Sponsored Symposium*

14:00 - 15:30

Symposium – Management of Rotator Cuff Disease

Moderators:

Nuri AYDIN (TURKEY), Jacinto MONTEIRO (PORTUGAL)

THE PLACE FOR OPEN REPAIR – IS IT STILL ADMISSIBLE?

Johan PRINS (SOUTH AFRICA)

SUPRASPINATUS REPAIR – WHAT CAN WE EXPECT IN A LONG-TERM OUTCOME?

Graham TYTHERLEIGH-STRONG (UNITED KINGDOM)

SUBCAPSULARIS REPAIR – INDICATIONS AND RESULTS

Rosmaninho SEABRA (PORTUGAL)

MASSIVE-UNRECONSTRUCTABLE TEARS (DEFINITIONS, TREATMENT OPTIONS, OUTCOMES)

Srinath KAMINENI (UNITED STATES)

THE ROLE OF BIOLOGICS – DO THEY WORK?

Nuno SEVIVAS (PORTUGAL)

REHABILITATION FOLLOWING ROTATOR CUFF REPAIR

Lee VAN RENSBURG (UNITED KINGDOM)

CASES

Jo DE BEER (SOUTH AFRICA)

DEBATE: ARTHROSCOPIC VERSUS OPEN REPAIR

ARTHROSCOPIC

Lee VAN RENSBURG (UNITED KINGDOM)

OPEN REPAIR

Srinath KAMINENI (UNITED STATES)

DISCUSSION

15:30 - 16:00

Break

16:00 - 17:30

Free Papers – Shoulder Arthroplasty

Moderators:

Mahmoud HAFEZ (EGYPT), Srinath KAMINENI (UNITED STATES)

47753 LONG-TERM RESULTS OF RESURFACING SHOULDER ARTHROPLASTY IN OSTEOARTHRITIS: RETROSPECTIVE MONOCENTRE STUDY OF 100 CASES

Pierre MANSAT, Julie LEBON, Fanny ELIA, Amélie FARAUD, Vadim AZOULAY, Nicolas BONNEVIALLE (FRANCE)

- 47457 REVERSE TOTAL SHOULDER ARTHROPLASTY FOR CUFF ARTHROPATHY IMPROVES SHOULDER PROPRIOCEPTION**
Joanna WALECKA, Marta SLEZAK, Przemyslaw LUBIATOWSKI, Ewa BREBOROWICZ, Jerzy WIESE, Marcin REDMAN, Leszek ROMANOWSKI (POLAND)
- 46301 STANDARD VERSUS BONY INCREASED-OFFSET REVERSE SHOULDER ARTHROPLASTY: A RETROSPECTIVE COMPARATIVE COHORT STUDY**
Alexandre LÄDERMANN¹, Philippe COLLIN²
¹(SWITZERLAND), ²(FRANCE)
- 48523 INDIVIDUALISING HUMERAL RETROVERSION AND SUBSCAPULARIS REPAIR IN REVERSE SHOULDER ARTHROPLASTY: DOES IT AFFECT THE FUNCTIONAL OUTCOME?**
Nikhil SHARMA¹, Joo Han OH²
¹(INDIA), ²(SOUTH KOREA)
- 48442 WHAT IS THE INFLUENCE OF GREATER TUBerosITY (GT) HEALING ON CLINICAL OUTCOMES AFTER REVERSE SHOULDER ARTHROPLASTY (RSA) FOR ACUTE FRACTURE OF THE PROXIMAL HUMERUS?**
Nicolas BONNEVIALLE, Xavier OHL, Philippe VALENTI, David GALINET, Pascal BOILEAU (FRANCE)
- 47683 HUMERAL STEM LOOSENING FOLLOWING REVERSE SHOULDER ARTHROPLASTY – SYSTEMATIC REVIEW AND META-ANALYSIS**
Ben GREY, Reitze RODSETH, Steve ROCHE (SOUTH AFRICA)
- 48330 MID-TERM OUTCOME OF AFFINIS SHORT-STEM ANATOMIC TOTAL SHOULDER REPLACEMENT: LARGEST SINGLE SURGEON SERIES OF 2- TO 6-YEAR FOLLOW-UP**
Karadi SUNIL KUMAR, Soren SJOLIN (UNITED KINGDOM)
- 48226 REVERSE SHOULDER ARTHROPLASTY FOR FOUR-PART PROXIMAL HUMERUS FRACTURE IN ELDERLY PATIENTS: CAN A HEALED TUBerosITY IMPROVE THE FUNCTIONAL OUTCOMES?**
Sang-Jin SHIN, In PARK, Jae-Hoo LEE, Hwan-Sub HYUN (SOUTH KOREA)
- 47756 REVISION TOTAL ELBOW ARTHROPLASTY WITH A SEMICONSTRAINED HINGE PROSTHESIS: 33 CASES REVIEWED WITH 5-YEAR AVERAGE FOLLOW-UP**
Pierre MANSAT, Julien TOULEMONDE, Marine ARBOUCALOT, Fanny ELIA, Stephanie DELCLAUX, Michel RONGIÈRES, Nicolas BONNEVIALLE (FRANCE)
- 46779 MORTALITY AFTER CONSERVATIVE AND OPERATIVE TREATMENT WITH REVERSE TOTAL SHOULDER ARTHROPLASTY FOR COMPLEX DISPLACED PROXIMAL HUMERUS FRACTURES IN THE ELDERLY**
Dani ROTMAN, Ornit GILADI, Ofir CHECHIK (ISRAEL)



Friday, 1 December

Room 1.41-1.42

08:00 - 10:00

Invited Lecture & Free Papers – Infections I

Moderators:

Tomas HILTON (SOUTH AFRICA), Heinz WINKLER (AUSTRIA)

Invited Speaker

PREVENTION OF SURGICAL SITE INFECTION (SSI) – WHAT'S NEW IN 2017

Allan VAN ZYL (SOUTH AFRICA)

- 48611 ASEPTIC LOOSENING REVISION OF HIP AND KNEE TOTAL ARTHROPLASTY: INFECTION SHOULD ALWAYS BE RULED OUT**
Claudia RODRIGUES, Luis COUTINHO, Luis BARROS, Marta SILVA, João ROSA, Ricardo SOUSA (PORTUGAL)
- 46690 HEMATOGENOUS PERIPROSTHETIC JOINT INFECTIONS: AN ANALYSIS OF 70 CONSECUTIVE EPISODES**
Anastasia RAKOW, Michael SCHUETZ, Carsten PERKA, Andrej TRAMPUZ, Nora RENZ (GERMANY)
- 47235 TWO-STAGE TREATMENT OF SEPTIC HIP ARTHRITIS IN ADULTS**
Nedelcho TZACHEV, Vladimir STOICHKOV, Nikolay IVANOV, Nikola HARISKOV (BULGARIA)
- 46832 PERIPROSTHETIC FUNGAL INFECTIONS: OUTCOMES AND PREDICTIVE FACTORS**
Manpreet Singh SIDHU, Pauline JUMAA, Michael PARRY, Lee JEYS, Jonathan STEVENSON (UNITED KINGDOM)
- 46160 IS IT POSSIBLE TO TREAT CHRONIC FUNGAL PERIPROSTHETIC JOINT INFECTION WITH SINGLE-STAGE REVISION? – AN AVERAGE OF 5 YEARS OF FOLLOW-UP**
Baochao JI, Li CAO, Boyong XU (CHINA)
- 46478 USE OF ANTIBIOTIC CEMENT-IMPREGNATED INTRAMEDULLARY-NAIL IN THE TREATMENT OF INFECTED NON-UNION OF LONG BONES USING A 2-STAGE PROCEDURE**
Arun Kumar PANDEY, Saurabh AGRAWAL (INDIA)
- 47730 GROWTH DEFORMITY AFTER LOWER LIMB SUBACUTE OSTEOMYELITIS (BRODIE'S ABSCESS)**
Pamela GARCIA PULIDO, Kuldeep STOHR, Majeed SHAKOKANI (UNITED KINGDOM)

- 47140 IS THE NON-UNION SCORING SYSTEM CLASSIFICATION (NUSS) STILL VALID TO DESCRIBE THE CASE OF SEPTIC FAILURES?**
Giorgio Maria CALORI, Emilio Luigi MAZZA, Massimiliano COLOMBO, Alessandra COLOMBO, Simone MAZZOLA, Fabio GIARDINA, Fabio ROMANÒ (ITALY)
- 47148 THE ROLE OF PET TC FDG IN THE 2-STEP IMPLANTATION OF MEGAPROSTHESES IN POST-TRAUMATIC AND PERIPROSTHETIC SEPTIC BONE DEFECTS**
Giorgio Maria CALORI, Massimiliano COLOMBO, Emilio Luigi MAZZA, Alessandra COLOMBO, Simone MAZZOLA, Fabio ROMANÒ, Fabio GIARDINA (ITALY)
- 48376 THE PHENOTYPIC DETECTION OF CARBAPENEM RESISTANT ORGANISMS IN ORTHOPAEDIC WOUND INFECTIONS IN ILE-IFE**
Elkanah Ayodele ORIMOLADE¹, Olubunmi ALAKA¹, Olabisi OJO², Anthony ONIPEDE¹
¹(NIGERIA), ²(UNITED STATES)
- 48197 MULTI DRUG RESISTANT SPINAL TUBERCULOSIS: A SERIES OF 27 CASES**
Mohit Kumar ARORA, Anil Kumar JAIN, Karan JAGGI, Samarth MITTAL (INDIA)
- 47807 TUBERCULOSIS AFTER IMPLANT SURGERY: A NEW CHALLENGE**
Vijay Kumar KHARIWAL, Sadhna GARG (INDIA)

10:00 - 10:30 *Break*

10:30 - 12:00 **Symposium – Infections of the Bone I**

Moderators:

Ferdinando DA RIN DE LORENZO (ITALY), Guenter LOB (GERMANY)

DISTRACTION OSTEOGENESIS FOR BONE INFECTIONS

Hiroyuki TSUCHIYA (JAPAN)

THE TREATMENT COMPARED IN THE FOREARM SUBSTANCE LOSS (ILIZAROV AND FIBULA TRANSFER)

Ferdinando DA RIN DE LORENZO (ITALY)

AN INTRAMEDULLARY SPACER SYSTEM FOR THE TREATMENT OF LONG BONE DEFECTS AFTER INFECTION

Guenter LOB (GERMANY)

MANAGEMENT OF BONE LOSS IN PROSTHETIC JOINT INFECTION OF TOTAL KNEE ARTHROPLASTY

Akos ZAHAR (GERMANY)

MANAGEMENT OF BONE LOSS IN PROSTHETIC JOINT INFECTION OF TOTAL HIP ARTHROPLASTY

Fatih KUCUKDURMAZ (TURKEY)

PROSTHETIC JOINT INFECTION (PJI): RECONSTRUCTION OF BONE DEFECTS USING ANTIBIOTIC IMPREGNATED ALLOGRAFT

Heinz WINKLER (AUSTRIA)

JOINT REPLACEMENT IN LARGE BONE DEFECTS IN INFECTIONS: CURRENT TRENDS AND FUTURE PERSPECTIVES

Carlo ROMANO (ITALY)

MANAGEMENT OF THE DIAPHYSEAL INFECTED NON-UNIONS WITH AND WITHOUT BONE GAPS

Shanmuganathan RAJASEKARAN (INDIA)

DISCUSSION

12:00 - 12:30

Plenary Lecture – ASHOK K. JOHARI (in Auditorium II)

12:30 - 13:00

Plenary Lecture – SICOT Research Award Papers (in Auditorium II)

13:00 - 14:00

Break

14:00 - 15:30

Symposium – Infections of the Bone II

Moderators:

Ferdinando DA RIN DE LORENZO (ITALY), Heinz WINKLER (AUSTRIA)

DAMAGE CONTROL IN THE TREATMENT OF BONE INFECTIONS

Khaled EMARA (EGYPT)

TIBIALISATION OF FIBULA FOR BONE LOSS DUE TO OSTEOMYELITIS OF TIBIA IN CHILDREN

Anil DHAL (INDIA)

POST INFECTIVE GAP DEFECTS IN CHILDREN

Ashok JOHARI (INDIA)

THE ROLE OF IMMUNOTHERAPY IN THE TREATMENT OF INFECTIONS OF THE BONE

Ferdinando DA RIN DE LORENZO (ITALY)

ANTIMICROBIAL IMPLANTS (IODINE COATING) FOR BONE INFECTIONS

Hiroyuki TSUCHIYA (JAPAN)

THE ROLE OF BIOFILM IN BONE AND JOINT INFECTIONS AND THE IMPACT OF ANTIBIOFILM TECHNOLOGIES

Carlo ROMANO (ITALY)

CHRONIC OSTEOMYELITIS IN A DEVELOPING WORLD SETTING – HIV AND PALLIATIVE CARE

Len MARAIS (SOUTH AFRICA)

DISCUSSION

15:30 - 16:00 *Break*

16:00 - 17:30 **Free Papers – Infections II**

Moderators:

Anil DHAL (INDIA), Maritz LAUBSCHER (SOUTH AFRICA)

- 46782 USING BBFISH TECHNOLOGY ON THE SONICATION FLUID FOR THE DIAGNOSTIC OF PROSTHETIC JOINT INFECTIONS**
Rares Mircea BIRLUTIU, Victoria BIRLUTIU, Mihai Dan ROMAN, Radu FLEACA, Razvan Silviu CISMASIU, Crina Maria POPA, Mihai Olimpiu PASCA (ROMANIA)
- 47507 COST-BENEFIT ANALYSIS OF ANTIBIOFILM MICROBIOLOGICAL TECHNIQUES FOR PERIPROSTHETIC JOINT INFECTION DIAGNOSIS**
Maria Teresa TRENTINAGLIA¹, Carlo ROMANO¹, Elena DE VECCHI¹, Nicola LOGOLUSO¹, David GEORGE², Ilaria MORELLI¹, Lorenzo DRAGO¹
¹(ITALY), ²(UNITED KINGDOM)
- 47518 ANTIBACTERIAL COATING DAC FOR THE ONE STAGE TREATMENT OF PERIPROSTHETIC JOINT INFECTIONS: RESULTS OF A COMPARATIVE CASE-CONTROL STUDY**
Nicola LOGOLUSO, Nicola CAPUANO, Caterina OHIN, Susanna MARALDI, Carlo ROMANO (ITALY)
- 46930 DO TRICLOSAN COATED SUTURES REDUCE SURGICAL SITE INFECTIONS? A META-ANALYSIS OF THE LITERATURE**
Imran AHMED, Edward DICKENSON, Robert JORDAN, Chetan KHATRI, Sana RIZVI, Mike REED (UNITED KINGDOM)
- 47126 TREATMENT TACTICS AND RESULTS IN PJI FOLLOWING TOTAL KNEE ARTHROPLASTY**
Pavel VOLOTOVSKI, Alexandre SITNIK, Alexander BELETSKY, Oleg BONDAREV, Aleh KORZUN (BELARUS)
- 46290 LAMINAR FLOW IS NOT REQUIRED IN THEATRES DURING JOINT ARTHROPLASTY TO REDUCE THE RISK OF INFECTION**
Rohan PRAKASH, Anita CHITHIRAMOHAN, Robert WESCOTT, Panayioti KISSIAS, Zahid SAEED (UNITED KINGDOM)

- 48773 REDUCING SURGICAL SITE INFECTIONS THROUGH IMPROVED THEATRE ETIQUETTE**
Hammad PARWAIZ, Boris Aliaga CRESPO, Harvey SANDHU (UNITED KINGDOM)
- 47334 INTRAOPERATIVE FEATURES DURING STAGES OF TREATMENT IN PATIENTS WITH PERIPROSTHETIC JOINT INFECTION AFTER TOTAL KNEE ARTHROPLASTY**
Maxim GONCHAROV, Piotr PREOBRAZHENSKI, Alexander KAZEMIRSKI, Svetlana BAZHKOVA (RUSSIA)
- 47133 SEPTIC NON-UNIONS AND BONE DEFECT: NEW TRENDS IN RECONSTRUCTION IMPROVING BIOTECHNOLOGIES**
Giorgio Maria CALORI, Massimiliano COLOMBO, Emilio Luigi MAZZA, Simone MAZZOLA, Alessandra COLOMBO, Fabio ROMANÒ, Fabio GIARDINA (ITALY)
- 48362 IN-VIVO PHARMACOKINETIC EVALUATION OF ANTIBIOTIC ELUTION FROM A LOCALLY IMPLANTED BONE GRAFT SUBSTITUTE IN A COHORT OF PATIENTS WITH INFECTED MEGA PROSTHESES**
Thomas COLDING-RASMUSSEN, Peter HORSTMANN, Werner HETTWER, Michael Mørk PETERSEN (DENMARK)
- 47130 INFECTED NON-UNION AND CRITICAL BONE DEFECTS OF THE FOREARM**
Giorgio Maria CALORI, Emilio Luigi MAZZA, Massimiliano COLOMBO, Alessandra COLOMBO, Simone MAZZOLA, Fabio GIARDINA, Fabio ROMANÒ (ITALY)



Friday, 1 December

Room 1.43-1.44

08:00 - 10:00

Invited Lecture & Free Papers – Hip Arthroplasty

Moderators:

Peter ALDINGER (GERMANY), Jan DE VOS (SOUTH AFRICA)

Invited Speaker

STEM REVISION USING A PRIMARY UNCEMENTED HA COATED STEM

Peter ALDINGER (GERMANY)

47974 RELEVANCE OF IMPLANT SURVIVAL ESTIMATES IN STUDIES WITH LONG FOLLOW-UP

Laurent JACQUOT, Julien CHOUTEAU, Mo SAFFARINI, Hugo BOTHOREL, Hannink GERJON, Jean Pierre VIDALAIN (FRANCE)

- 48485 EARLY OUTCOMES WITH A NOVEL CERAMICISED ZIRCONIUM BEARING FOR TOTAL HIP REPLACEMENT**
Andrew BAKER¹, David FITCH²
¹(SOUTH AFRICA), ²(UNITED STATES)
- 48231 PROSPECTIVE MULTICENTRE STUDY OF 553 DUAL MOBILITY CUPS IN A REGISTRY OF 2,090**
Andre FERREIRA, Jean-Louis PRUDHON, Jean-Marc PUCH, Loÿs DESCAMPS (FRANCE)
- 48334 WHAT ARE THE DESIGN AND SURFACE DIFFERENCES OF COMMON 12/14-TAPERS IN TOTAL HIP ARTHROPLASTY?**
Ulrike MUELLER, Jan Philippe KRETZER (GERMANY)
- 47969 PRE AND POST TOTAL HIP ARTHROPLASTY MEASUREMENT TECHNIQUES OF LEG LENGTH: A SYSTEMATIC REVIEW**
Nicholas MCARTHUR¹, Sathis KANAVATHY², Vikas KHANDUJA¹
¹(UNITED KINGDOM), ²(AUSTRALIA)
- 46795 INTRA- AND POSTOPERATIVE FRACTURES AND FEMORAL SHORTENED STEM ABOUT A PROSPECTIVE SERIES OF 735 CASES**
Jean Marc PUCH, Loÿs DESCAMPS, Guy DERHI (FRANCE)
- 46427 COMPARISON OF METAL ION CONCENTRATIONS AND IMPLANT SURVIVAL AFTER TOTAL HIP ARTHROPLASTY WITH METAL-ON-METAL VERSUS METAL-ON-POLYETHYLENE ARTICULATIONS: A 16-YEAR FOLLOW-UP OF A PROSPECTIVE RANDOMISED STUDY**
Rikard WEDIN, Rüdiger WEISS, Henrik DAHLSTRAND, Andre STARK, Nils HAILER (SWEDEN)
- 46891 THE DAMAGE IN HIP ABDUCTOR MUSCLES AFTER TOTAL HIP ARTHROPLASTY THROUGH THE DIRECT ANTERIOR APPROACH FOR DEVELOPMENTAL DYSPLASIA OF THE HIP**
Masashi KAWASAKI, Satoshi OCHIAI, Masanori OKAMOTO (JAPAN)
- 48763 DOES OBESITY AFFECT FUNCTIONAL RECOVERY AFTER TOTAL HIP ARTHROPLASTY? BIOMECHANICAL AND CLINICAL ANALYSIS**
Pierre MARTZ, Davy LAROCHE, Abderrahmane BOURREDJEM, Emmanuel BAULOT, Paul ORNETTI (FRANCE)
- 47614 DIFFERENCE IN TOTAL HIP ARTHROPLASTY FUNCTIONAL OUTCOMES BETWEEN PATIENTS WITH PRIOR SINGLE LEVEL SPINAL FUSION AND PATIENTS WITH PRIOR MULTI-LEVEL SPINAL FUSION**
Jing Loong Moses LOH, Lei JIANG, Hwei-Chi CHONG, Seng Jin YEO, Ngai Nung LO (SINGAPORE)

10:00 - 10:30 *Break*

10:30 - 12:00

Symposium – Update on Arthroscopic Surgery of the Hip: From Basics to Advanced

Moderators:

Chuck CAKIC (SOUTH AFRICA), Vikas KHANDUJA (UNITED KINGDOM)

MANAGING CAM FAI

Hatem SAID (EGYPT)

INVESTIGATING A YOUNG ADULT WITH HIP PAIN

Emmanuel AUDENAERT (BELGIUM)

SAFE ARTHROSCOPIC ACCESS TO THE HIP JOINT

Thane MUNTING (SOUTH AFRICA)

INDICATIONS FOR HIP ARTHROSCOPY IN 2017

Chuck CAKIC (SOUTH AFRICA)

MANAGING DYSPLASIA IN THE YOUNG ADULT

Ajay MALVIYA (UNITED KINGDOM)

MANAGING PINCER FAI

Oliver MARIN-PENA (SPAIN)

DEBATE

HIP ARTHROSCOPY: AN OVERUSED INTERVENTION THAT MAY HAVE SPREAD TOO FAR

Fares HADDAD (UNITED KINGDOM)

HIP ARTHROSCOPY: SUCCESSFUL AND GROWING, THE EVIDENCE IS THERE FOR ALL TO SEE

Vikas KHANDUJA (UNITED KINGDOM)

DISCUSSION

VIDEO SESSION

ACETABULAR LABRAL REPAIR

Chuck CAKIC (SOUTH AFRICA)

ADDRESSING THE CAM LESION

Oliver MARIN-PENA (SPAIN)

DISCUSSION

12:00 - 12:30

Plenary Lecture – ASHOK K. JOHARI (in Auditorium II)

12:30 - 13:00

Plenary Lecture – SICOT Research Award Papers (in Auditorium II)

13:00 - 14:00

Break

14:00 - 15:30

Association for Rational Treatment of Fractures Symposium & Workshop – External Fixation in Damage Control & Beyond

Moderators:

Marc HANSCHEN (GERMANY), James WADDELL (CANADA)

HISTORY AND PRINCIPLES OF EXTERNAL FIXATION

James WADDELL (CANADA)

DAMAGE CONTROL VERSUS EARLY TOTAL CARE – WHAT’S NEW?

Samuel MOLYNEUX (UNITED KINGDOM)

EXTERNAL FIXATION IN PELVIC TRAUMA – RATIONALE AND TECHNIQUE

Arindam BANERJEE (INDIA)

PRIMARY RING FIXATION IN TRAUMA

Nando FERREIRA (SOUTH AFRICA)

RECONSTRUCTIVE SURGERY USING THE HEXAPOD SYSTEM EARLY AND LATE FOLLOWING TRAUMA

Marc HANSCHEN (GERMANY)

WORKSHOP – HANDS-ON TRAINING: EXTERNAL FIXATION OPTIONS (ORTHOFIX)

15:30 - 16:00

Break

16:00 - 17:30

Symposium – Microsurgery Roundtable: What’s New in Chinese Orthopaedic Microsurgery

Moderators:

Marko BUMBASIREVIC (SERBIA), Li-Qiang GU (CHINA)

INTRODUCTION OF SICOT CHINA CHAPTER ORTHOPAEDIC MICROSURGERY COMMITTEE AND WHAT’S NEW IN CHINESE ORTHOPAEDIC MICROSURGERY

Li-Qiang GU (CHINA)

THE ROLE OF MICROSTRUCTURE IN PERIPHERAL NERVE REGENERATION

Xiaolin LIU (CHINA)

**RECONSTRUCTION OF HUGE SOFT TISSUE DEFECTS OF LIMBS BY
COMBINED TRANSPLANTATION OF PERFORATOR FLAPS**

Juyu TANG (CHINA)

**PERFORATOR-BASED NEURO CUTANEOUS FLAP: ANATOMY, DESIGN,
AND APPLICATION**

Yimin CHAI (CHINA)

**A REVIEW AND REFLECTION ON THE DIAGNOSIS AND TREATMENT OF
NEUROGENIC THORACIC OUTLET SYNDROME**

Yanxi LIU (CHINA)

NEW TRENDS ON THUMB AND FINGER RECONSTRUCTION

Zengtao WANG (CHINA)

REVASCULARISING THE SEVERELY INJURED LIMB

Qingtang ZHU (CHINA)

**CASE REPORT: REPLANTATION OF TRAUMATIC AMPUTATED TEN
FINGERS AND BILATERAL FOREARMS IN ONE PATIENT**

Ziqing ZHANG (CHINA)

**CASE REPORT: REPLANTATION OF MULTIPLE-LEVEL SEVERED HAND
AND FINGERS WITH 17 SEGMENTS**

Jian-Xi HOU (CHINA)



Friday, 1 December

Room 1.61-1.62

08:00 - 10:00

Invited Lecture & Free Papers – Infection in Spine

Moderators:

Anil JAIN (INDIA), Keith LUK (HONG KONG)

Invited Speaker

IMPACT OF RESEARCH EVIDENCE ON CLINICAL PRACTICE

Anil JAIN (INDIA)

47094 FIRST EVER BONE AND JOINT TUBERCULOSIS TREATMENT GUIDELINES

Anil JAIN, Ravi SREENIVASAN (INDIA)

**47007 PROSPECTIVE CLINICAL AND RADIOLOGICAL ANALYSIS OF SPINAL
TUBERCULOSIS**

Roop SINGH (INDIA)

- 46739 MANAGEMENT OF TUBERCULOSIS IN DORSOLUMBAR SPINE: A SYSTEMATIC REVIEW**
Prince RAINA, Shobha ARORA (INDIA)
- 46662 APPLICATION OF TLIF TECHNOLOGY COMBINED WITH LESION CLEARANCE AND CHEMOTHERAPY VIA CATHETER FOR THE TREATMENT OF SPINAL TUBERCULOSIS**
Yun-Fei HUANG, Lei GUO, Yibin MENG, Xin HE (CHINA)
- 46604 A PROSPECTIVE STUDY OF CLINICO-RADIOLOGIC-URODYNAMIC CORRELATION IN PATIENTS WITH TUBERCULOSIS OF THE SPINE**
Roop SINGH, Tanwar MILIND (INDIA)
- 48295 SAFETY OF INSTRUMENTATION IN TUBERCULOSIS OF SPINE, WET LESIONS**
Saurabh SINGH, Alok RAI, Sanjay YADAV, Ghanshyam N. KHARE (INDIA)
- 47988 OPERATIVE TREATMENT FOR L5/S1 TUBERCULOSIS ACCOMPANIED WITH PRE-SACRAL ABSCESS THROUGH COMBINED ANTERIOR AND POSTERIOR APPROACH**
Qianfen CHEN, Feng HU, Xiaofeng LI (CHINA)
- 47987 OPERATIVE TREATMENT FOR TH2-5 TUBERCULOSIS VIA AXILLARY MIDLINE TRANSTHORACIC APPROACH**
Qianfen CHEN, Feng HU, Xiaofeng LI (CHINA)
- 47245 DIAGNOSING UPPER CERVICAL EPIDURAL ABSCESS: RETROSPECTIVE ANALYSIS AND REVIEW OF PUBLISHED CASES FROM 1931-2015**
Khalid AL-HOURANI¹, Rami AL-AREF², Robert LEY-GREAVES¹, Fatima BALLOUT², Addisu MESFIN²
¹(UNITED KINGDOM), ²(UNITED STATES)
- 48358 THE ROLE OF PERCUTANEOUS TRANSPEDICULAR BIOPSY IN TB SPINE AND ITS CORRELATION WITH CLINICO-RADIOLOGICAL FEATURES**
Madan Mohan SAHOO, Sudhir MAHAPATRA (INDIA)
- 46871 SELECTION OF SURGICAL APPROACH IN SPINAL TUBERCULOSIS – A MULTICENTRE EXPERIENCE OF 621 CASES**
M. Shah ALAM¹, M. Rezaul KARIM¹, Kevin PHAN², Sharif Ahmed JONAYED¹, Hasan Khalid M. MUNIR¹, Abul Kalam AZAD¹, Shubhendu CHAKRABORTY¹, Tashfique ALAM¹
¹(BANGLADESH), ²(AUSTRALIA)

10:00 - 10:30 *Break*

10:30 - 12:00 **Symposium – Infections in Spine**

Moderators:

Oheneba BOACHIE-ADJEI (GHANA), Fernando FACANHA FILHO (BRAZIL)

TB OF THE SPINE IN INDIA

Anil JAIN (INDIA)

PAEDIATRIC SPONDYLODISCITIS

Robert DUNN (SOUTH AFRICA)

SPINE INFECTIONS IN INDIA

Ajoy Prasad SHETTY (INDIA)

SPINE INFECTIONS IN HONG KONG AND CHINA

Keith LUK (HONG KONG)

HIV / TB SYNDEMIC

Robert DUNN (SOUTH AFRICA)

SPINE INFECTIONS IN DENMARK

Cody BUNGER (DENMARK)

SPINE INFECTIONS IN SOUTH AMERICA

Fernando FACANHA FILHO (BRAZIL)

TREATING THE INFECTED SPINE: A NOVEL APPROACH

Christopher KLECK (UNITED STATES)

PANEL DISCUSSION

12:00 - 12:30 **Plenary Lecture – ASHOK K. JOHARI (in Auditorium II)**

12:30 - 13:00 **Plenary Lecture – SICOT Research Award Papers (in Auditorium II)**

13:00 - 14:00 *Break*

14:00 - 15:30 **Invited Lecture & Free Papers – Trauma of the Spine**

Moderators:

Nick KRUGER (SOUTH AFRICA), Ajoy SHETTY (INDIA)

Invited Speaker **UNI AND BIFACETAL INJURIES OF THE CERVICAL SPINE**
Ajoy SHETTY (INDIA)

- 47824 SHORT-SEGMENT VERSUS LONG-SEGMENT STABILISATION FOR UNSTABLE THORACOLUMBAR JUNCTION BURST FRACTURES**
M. Kamrul AHSAN, Najmus SAKEB, Mohammed Abdul AWWAL (BANGLADESH)
- 48079 OPEN VS. MIS PEDICLE SCREW OF THORACOLUMBAR BURST FRACTURES – THE IMPACT OF SURGICAL CORRECTION/LOSS OF CORRECTION ON FUNCTIONAL OUTCOME – ASYSTEMATIC REVIEW AND META ANALYSIS**
Abduljabbar ALHAMMOUD, Ahmed Khalil ATTIA, Kenan ALKHALILI, Abdul Moen BACO (QATAR)
- 47425 A PROSPECTIVE RANDOMISED DOUBLE BLIND PLACEBO CONTROLLED STUDY COMPARING THE EFFICACY OF BOTROPASE, TRANEXAMIC ACID AND A COMBINATION IN REDUCTION OF BLOOD LOSS IN LUMBAR SPINAL FUSION SURGERY**
Ajoy Prasad SHETTY, Srikanth Reddy DUMPA, Rishi KANNA, Shanmuganathan RAJASEKARAN (INDIA)
- 46162 USAGE OF TRANEXAMIC ACID VIA A DRAIN PLUS DRAIN-CLAMPING TO REDUCE BLOOD LOSS IN DEGENERATIVE SPINAL DEFORMITY SURGERY**
Liang JINQIAN, Liu HONGZHE, Zhao HONG, Li ZHENG (CHINA)
- 47443 MANAGEMENT OF HANGMAN FRACTURES WITH PERCUTANEOUS AXIS PEDICLE SCREWS FIXATION ASSISTED BY O-ARM**
Zhiming CUI, Guanhua XU (CHINA)
- 47438 A COMPARISON OF THE MINI-OPEN WILTSE APPROACH WITH PEDICLE SCREW FIXATION AND PERCUTANEOUS PEDICLE SCREW FIXATION FOR NEUROLOGICALLY INTACT THORACOLUMBAR FRACTURES**
Yong FAN, Jianan ZHANG, Qining WU, Dingjun HAO (CHINA)
- 47876 CRANIO-CAUDAL BIOSTRUCTURAL ASYMMETRIES OF VERTEBRAL BODIES – WHY VERTEBRAL FRACTURES USUALLY INVOLVE THE SUPERIOR END PLATE?**
Dong-Eun SHIN, Young-Sang LEE (SOUTH KOREA)
- 48463 DIAGNOSTIC AND PROGNOSTIC ROLE OF MRI IN SPINAL TRAUMA, ITS COMPARISON AND CORRELATION WITH CLINICAL PROFILE AND NEUROLOGICAL OUTCOME, ACCORDING TO ASIA IMPAIRMENT SCALE**
Akhita SINGHANIA, Sohael KHAN, Shraddha SINGHANIA, Pradeep SINGH, Shashank JAIN, Saherish KHAN, Vaibhav KUMAR, Pooja SINGHANIA, Suvam GUPTA (INDIA)

15:30 - 16:00 *Break*

Chairmen:

Jose Sergio FRANCO (BRAZIL), Ashok JOHARI (INDIA)

- 48830** **COMPUTER NAVIGATED TOTAL KNEE ARTHROPLASTY: IMPROVED FUNCTIONAL OUTCOME AND PATIENT SATISFACTION WITH GAP BALANCING COMPARED TO MEASURED RESECTION**
Navnit MAKARAM, Nicholas CLEMENT, Jackie BELL, Christopher TIEMESSEN, Mehdi SYED ALI, Sara LIVINGSTON (UNITED KINGDOM)
- 48738** **FACTORS AFFECTING SATISFACTION FOLLOWING TOTAL KNEE REPLACEMENT: A SYSTEMATIC REVIEW OF OVER 130,000 CASES**
Naoki NAKANO, Fernando OLAVARRIA, Vikas KHANUJA (UNITED KINGDOM)
- 48221** **PELVIC INCIDENCE AND ITS RELATIONSHIP TO TOTAL HIP DISLOCATION IN PATIENTS WITH PREVIOUS LUMBAR SPINE FUSION**
Christopher KLECK, Philip YORK, Michael DAYTON, Craig HOGAN (UNITED STATES)
- 47754** **CLINICAL AND ANATOMIC RESULTS OF SURGICAL REPAIR OF CHRONIC ROTATOR CUFF TEARS AT 10-YEAR MINIMUM FOLLOW-UP**
Pierre MANSAT, Fanny ELIA, Marine ARBOUCALOT, Julie LEBON, Amélie FARAUD, Nicolas BONNEVIALLE (FRANCE)
- 47494** **NASAL CHONDROCYTES-BASED ENGINEERED AUTOLOGOUS CARTILAGE TISSUE FOR THE REPAIR OF ARTICULAR CARTILAGE DEFECTS: AN OBSERVATIONAL FIRST-IN-HUMAN TRIAL**
Geert PAGENSTERT, Marcus MUMME, Andrea BARBERO, Ivan MARTIN, Marcel JAKOB (SWITZERLAND)
- 47338** **3D-PRINTED TITANIUM CUSTOM-MADE PROSTHESES IN RECONSTRUCTION AFTER RESECTION OF BONE TUMOURS: OUR INDICATIONS AND FIRST RESULTS**
Carmine ZOCCALI, Gennaro SCOTTO, Barbara ROSSI, Dario ATTALA, Nicola SALDUCCA, Roberto BIAGINI, Sandro LUZZATI (ITALY)
- 47097** **ROLE OF CARTRIDGE BASED NUCLEIC ACID AMPLIFICATION TEST, LINE PROBE ASSAY AND LIQUID CULTURE IN OSTEOARTICULAR TUBERCULOSIS**
Anil JAIN, Suresh ABHIMANYU, V.P. MYNEEDU, K.L. CHAKRABORTI (INDIA)
- 46559** **INJECTABLE COLLAGENASE VS. PERCUTANEOUS NEEDLE FASCIOTOMY FOR DUPUYTREN CONTRACTURE IN PROXIMAL INTERPHALANGEAL JOINTS – A RANDOMISED CONTROLLED TRIAL**
Simon Toftgaard SKOV, Therkel BISGAARD, Per SØNDERGAARD, Jeppe LANGE (DENMARK)

46555 TOTAL KNEE POSTOPERATIVE BLOOD LOSS MANAGEMENT – MIS VS. STANDARD AND TRANEXAMIC VS. NON-TRANEXAMIC ACID PERIOPERATIVE USAGE COMPARISON

Boris ZULJ, Sasa RAPAN, Dejana KRNJETA, Zoran ZELIC, Vjekoslav KOLAREVIC, Wertheimer VJEKOSLAV (CROATIA)

46400 PEDICLE FROZEN AUTOGRAFT FOR MALIGNANT BONE TUMOURS: SIMPLE AND EFFECTIVE SURGICAL TECHNIQUE FOR BIOLOGICAL RECONSTRUCTION

Katsuhiko HAYASHI, Norio YAMAMOTO, Akihiko TAKEUCHI, Takashi HIGUCHI, Kensaku ABE, Yuta TANIGUCHI, Hisaki AIBA, Yoshihiro ARAKI, Hiroyuki TSUCHIYA (JAPAN)



Friday, 1 December

Room 1.63

07:00 - 08:00

Young Surgeons Committee Virtual Workshop – How to Search Literature

Moderators:

Fatih KUCUKDURMAZ (TURKEY), Mohamed SUKEIK (UNITED KINGDOM)

COCHRANE

Mohamed SUKEIK (UNITED KINGDOM)

GOOGLE SCHOLAR

Tunay ERDEN (TURKEY)

PUBMED

Fatih KUCUKDURMAZ (TURKEY)

WEB OF SCIENCE

Mustafa ASANSU (TURKEY)

GRAY LITERATURE

Samer MAHMOUD (UNITED KINGDOM)

SCOPUS

Ahmed ABDELAZEEM (EGYPT)

INTERACTIVE PRACTICE SESSION

08:00 - 10:00 **Symposium – Academic Writing**

Moderators:

David HAK (UNITED KINGDOM), Marius SCARLAT (FRANCE)

INTERNATIONAL ORTHOPAEDICS IN 2017

Marius SCARLAT (FRANCE)

VISIBILITY AND IMPACT OF MEDICAL PUBLICATION

David HAK (UNITED STATES)

THE PEER-REVIEW PROCESS

Fares HADDAD (UNITED KINGDOM)

WHAT I LIKE AND DISLIKE IN A PAPER

James WADDELL (CANADA)

THE RISE OF CHINESE ORTHOPAEDIC PUBLICATIONS

Yong Cheng HU (CHINA)

THE PUBLISHER'S POINT OF VIEW

Gabriele SCHROEDER (GERMANY)

RESEARCH METRICS

Vikas KHANDUJA (UNITED KINGDOM)

10:00 - 10:30 *Break*

10:30 - 12:00 **Course – Academic Writing: Reviewers' Course**

Moderators:

Andreas MAVROGENIS (GREECE), Andrew QUAILE (UNITED KINGDOM)

REVIEWERS ARE VIP'S!

Andrew QUAILE (UNITED KINGDOM)

SPECIAL ISSUES OF "INTERNATIONAL ORTHOPAEDICS"

David HAK (UNITED STATES)

MANAGING REFERENCES AND REVIEWS

Jing SUN (CHINA)

FRAUD DETECTION AND RELATED PROCEDURES

Andreas MAVROGENIS (GREECE)

REVIEW PROCESS IN OPEN ACCESS

Hatem SAID (EGYPT)

RESEARCH AND REFERENCES

Anil JAIN (INDIA)

12:00 - 12:30 *Plenary Lecture – ASHOK K. JOHARI (in Auditorium II)*

12:30 - 13:00 *Plenary Lecture – SICOT Research Award Papers (in Auditorium II)*

13:00 - 14:00 *Break*

14:00 - 15:30 **Symposium – Progresses in Musculoskeletal Oncology & Future Directions**

Moderators:

Doron FRANTZEN (SOUTH AFRICA), Pietro RUGGIERI (ITALY)

SURGICAL ANATOMY: ANATOMY IS STILL THE MASTER OF SURGERY

Raffaele DE CARO (ITALY)

ADVANCES IN PROSTHETIC RECONSTRUCTION

Pietro RUGGIERI (ITALY)

ENDOPROSTHESES IN TUMOUR SURGERY

Keith HOSKING (SOUTH AFRICA)

ADVANCES IN PELVIC TUMOUR SURGERY

Georg GOSHEGER (GERMANY)

ADVANTAGES IN RECONSTRUCTION SURGERY FOR SARCOMAS: THE ADVENT OF 'ORTHOPLASTIC'

Franco BASSETTO, Cesare TIENGO (ITALY)

15:30 - 16:00 *Break*

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

Moderators:

Doron FRANTZEN (SOUTH AFRICA), Pietro RUGGIERI (ITALY)

47338 3D-PRINTED TITANIUM CUSTOM-MADE PROSTHESES IN RECONSTRUCTION AFTER RESECTION OF BONE TUMOURS: OUR INDICATIONS AND FIRST RESULTS

Carmine ZOCCALI, Gennaro SCOTTO, Barbara ROSSI, Dario ATTALA, Nicola SALDUCCA, Roberto BIAGINI, Sandro LUZZATI (ITALY)

- 46400 PEDICLE FROZEN AUTOGRAFT FOR MALIGNANT BONE TUMOURS: SIMPLE AND EFFECTIVE SURGICAL TECHNIQUE FOR BIOLOGICAL RECONSTRUCTION**
Katsuhiko HAYASHI, Norio YAMAMOTO, Akihiko TAKEUCHI, Takashi HIGUCHI, Kensaku ABE, Yuta TANIGUCHI, Hisaki AIBA, Yoshihiro ARAKI, Hiroyuki TSUCHIYA (JAPAN)
- 46786 CUSTOM TUMOUR ENDOPROSTHESES WITH SHORT MEDULLARY STEMS AND EXTRA-CORTICAL PLATES: MINIMISE ASEPTIC LOOSENING IN EXTREME BONE RESECTIONS**
Catrin WIGLEY, Jonathan STEVENSON, Shahin GHEZELAYAGH, Burton HARRY, Scott EVANS, Michael PARRY, Lee JEYS (UNITED KINGDOM)
- 46502 DIAGNOSTIC IMAGING METHOD USING MAGNETIC RESONANCE IMAGING OF SUPERFICIAL SOFT TISSUE TUMOURS**
Tadashi IWAI, Manabu HOSHI, Naoto OEBISU, Masanari AONO, Makoto IEGUCHI, Masatsugu TAKAMI, Hiroaki NAKAMURA (JAPAN)
- 46685 BODY IMAGE, SELF-ESTEEM AND QUALITY OF LIFE IN PATIENTS WITH PRIMARY MALIGNANT BONE TUMOURS**
Lukas HOLZER, Nicolas HUYER, Jörg FRIESENBICHLER, Andreas LEITHNER (AUSTRIA)
- 46495 REINFECTION RATE FOLLOWING MEGAPROSTHESIS RECONSTRUCTION OF A MUSCULOSKELETAL TUMOUR OF THE LOWER LIMB**
Irene Katharina SIGMUND, Jutta GAMPER, Christine WEBER, Johannes HOLINKA, Philipp Theodor FUNOVICS, Reinhard WINDHAGER (AUSTRIA)
- 47633 FUNCTIONAL OUTCOME FOLLOWING ECRT FOR LOWER LIMB TUMOURS**
Anupam DAS, Shah Alam KHAN, Manoj KANAMARLAPUDI, Shishir RASTOGI, Devender N. SHARMA, Sameer BAKSHI (INDIA)
- 48497 EFFECTS OF SURGICAL TREATMENT WITH CHONDROBLASTOMA IN CHILDREN AND ADOLESCENTS IN OPEN EPIPHYSEAL PLATE OF LONG BONES**
Duan HONG (CHINA)
- 46373 CLINICAL MANAGEMENT OF SKIN INVOLVEMENT OF SOFT TISSUE SARCOMA**
Manabu HOSHI, Naoto OEBISU, Tadashi IWAI, Yoshitaka BAN, Hiroaki NAKAMURA (JAPAN)
- 46540 OUT-OF-POCKET PAYMENT FOR SEGMENTAL ENDOPROSTHESIS REPLACEMENT: CHALLENGES AND OUTCOME**
Akin AKINMADE, Oluwaseyi OLUWASEYI IDOWU, Samuel Uwale EYESAN, Sulaiman Olayiwola GIWA (NIGERIA)



Friday, 1 December

Room 1.64

08:00 - 10:00 **Short Free Papers – Spine**

Moderators:

Johan DAVIS (SOUTH AFRICA), Andrew QUAILE (UNITED KINGDOM)

- 46948 DRIVING SAFETY AFTER SPINAL SURGERY – SYSTEMATIC REVIEW**
Abduljabbar ALHAMMOUD¹, Kenan Alkhalili KENAN ALKHALILI², Abdul Moen BACO¹
¹(QATAR), ²(UNITED STATES)
- 46804 METAL RELEASE FROM SPINE INSTRUMENTATION AND THE LOCAL TISSUE REACTION**
Christopher KLECK, Reed AYERS, Mackenzie MILLER, Evalina BURGER (UNITED STATES)
- 47013 AN ATYPICAL CASE OF TUBERCULOSIS OF THE POSTERIOR ELEMENTS OF T₂ AND T₃ WITHOUT INVOLVEMENT OF THE VERTEBRAL BODIES**
Naveen MITTAL, Payal MITTAL, Deepak VASHISHT (INDIA)
- 46159 RISK FACTORS FOR CHRONIC BACKACHE IN CIVILIAN AND MILITARY POPULATION – ARE THERE ANY DIFFERENCES?**
Vasudeva PAI¹, Vishal PAI²
¹(NEW ZEALAND), ²(AUSTRALIA)
- 47150 THORACIC MYELOPATHY CAUSED BY COMBINED OSSIFICATION OF POSTERIOR LONGITUDINAL LIGAMENT AND OSSIFICATION OF LIGAMENTUM FLAVUM: CASE SERIES IN A REGIONAL INSTITUTION IN HONG KONG**
Eleanor WEN, Ka Kin CHEUNG (HONG KONG)
- 48676 COMPARATIVE EVALUATION OF PERCUTANEOUS ENDOSCOPIC LUMBAR DISCECTOMY AND OZONE-AUGMENTED PERCUTANEOUS LUMBAR DISCECTOMY FOR THE TREATMENT OF LUMBAR DISC HERNIATION**
Frank Yaw TAKYI-APPIAH, Xicheng LI (CHINA)
- 47021 A SURVEY OF THE USE OF TRACTION BY SPECIALISTS FOR THE REDUCTION OF CERVICAL SPINE DISLOCATIONS**
Matthew WORKMAN, Nicholas KRUGER (SOUTH AFRICA)
- 46921 NAVIGATOR-ASSISTED TECHNIQUE OF TRANSFORAMINAL PERCUTANEOUS ENDOSCOPIC LUMBAR DISCECTOMY AT L₅/S₁ LEVEL WITH HIGH CREST: A PROSPECTIVE CONTROL STUDY**
Guoxin FAN, Hailong ZHANG, Xin GU, Shisheng HE (CHINA)

- 46535 **LEARNING CURVE FOR MINIMALLY INVASIVE SPINE SURGERIES: A RETROSPECTIVE REVIEW OF FIVE YEARS OF MISS TECHNIQUE**
Hitesh MODI, Shakti GOEL, Yatin DESAI (INDIA)
- 48516 **POSTERIOR HEMI VERTEBRECTOMY IN POST-TUBERCULAR SPINAL INFECTION**
Gaurav SANJAY, Bhupendra K.S. SANJAY (INDIA)
- 47084 **TRANSFORAMINAL PERCUTANEOUS ENDOSCOPIC LUMBAR DISCECTOMY FOR DOWN MIGRATED DISC HERNIATIONS: LEVER-UP, ROTATE, AND TILT TECHNIQUE**
Sang Soo EUN, Sang-Ho LEE (SOUTH KOREA)
- 48272 **CLINICAL EFFICACY OF MICROENDOSCOPIC LUMBAR DISCECTOMY COMBINED WITH ANNULUS SUTURE IN THE TREATMENT OF LUMBAR DISC HERNIATION**
Dadi JIN (CHINA)
- 47991 **THERAPEUTIC EVALUATION OF ALIF WITH SELF-STABILISED CAGE TO TREAT DEGENERATIVE LUMBAR DISORDERS**
Qingchu LI (CHINA)
- 47716 **EFFICACY OF EXPANSIVE LAMINOPLASTY FOR QUADRIPLEGIC PATIENTS WITHOUT CERVICAL BONY INJURY**
Young-Woo CHUNG, Ki-Yong AN, Jae-Woong SEO, Hyoung-Yeon SEO (SOUTH KOREA)
- 48492 **DOES PRESERVING OR RESTORING LUMBAR LORDOSIS INFLUENCE THE FUNCTIONAL OUTCOME IN LUMBOSACRAL TUBERCULOUS SPONDYLODISCITIS?**
Aju BOSCO, Ajoy SHETTY, Shanmuganathan RAJASEKARAN, Rishi KANNA (INDIA)
- 47051 **TB SPINE IN CHILDREN – RETROSPECTIVE ANALYSIS OF 36 CASES**
Anil JAIN, Ankur JAIN, Ik DHAMMI, Himanshu BHAYANA (INDIA)
- 46376 **SEVERE RIGID SCHEUERMANN KYPHOSIS IN ADULT PATIENTS: CORRECTION WITH POSTERIOR ONLY APPROACH**
Babak MIRZASHAHI, Mahmoud FARZAN (IRAN)

10:00 - 10:30 *Break*

10:30 - 12:00 **Invited Lecture & Short Free Papers – Sports Medicine**

Moderators:

Stephen ABELOW (UNITED STATES), Johan PRINS (SOUTH AFRICA)

Invited Speaker **SPORTING INJURIES IN THE HIP**
Oliver MARIN-PENA (SPAIN)

- 47077 MODIFIED FOUR-IN-ONE PROCEDURE FOR HABITUAL DISLOCATION OF PATELLA**
Ravi MITTAL, Avtar SINGH (INDIA)
- 46972 REPAIR OF INJURED ANTEROLATERAL SECONDARY RESTRAINTS IMPROVES KNEE STABILITY IN ACUTE ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION**
Andrea FERRETTI, Edoardo MONACO, Antonio PONZO, Angelo DE CARLI, Andrea REDLER, Fabio CONTEDEUCA, Daniele MAZZA (ITALY)
- 47386 THE “HUGHSTON PROCEDURE” – TECHNICAL NOTE OF A FORGOTTEN OPTION TO RESTORE ANTEROMEDIAL ROTATORY INSTABILITY OF THE KNEE**
Christoph OFFERHAUS, Jürgen HÖHER, Maurice BALKE (GERMANY)
- 48256 DOES TIBIAL TUNNEL POSITION IN REMNANT-PRESERVING SINGLE BUNDLE PCL RECONSTRUCTION HAVE AN EFFECT ON OUTCOMES?**
Jung Suk KIM, Cheol Hee PARK, Kyoung Ho YOON, Se Min LEE, Sang Eun PARK (SOUTH KOREA)
- 47166 CURVED DILATOR SYSTEM HAS AN ADVANTAGE OVER REAMER REGARDING TUNNEL ENLARGEMENT AFTER ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION**
Joon Kyu LEE (SOUTH KOREA)
- 46973 SURGICAL TREATMENT OF SEGOND FRACTURES IN ACUTE ACL RECONSTRUCTION**
Andrea FERRETTI¹, Edoardo MONACO¹, Megan Rianne WOLF², Andrea REDLER¹, Angelo DE CARLI¹, Daniele MAZZA¹
¹(ITALY), ²(UNITED STATES)
- 46515 THE INTERNALBRACE: A NEW PRIMARY ANTERIOR CRUCIATE LIGAMENT REPAIR TECHNIQUE WITH 2-YEAR FOLLOW-UP**
Christiaan HEUSDENS¹, Graeme HOPPER², Lieven DOSSCHE¹, Gordon MACKAY²
¹(BELGIUM), ²(UNITED KINGDOM)
- 46995 CERAMIC BONE GRAFT SUBSTITUTES DO NOT REDUCE DONOR SITE MORBIDITY IN ACL RECONSTRUCTION SURGERY**
Naresh DHANAKODI¹, Jai THILAK¹, Jacob VARUGHESE¹, K. Venugopal MENON²
¹(INDIA), ²(OMAN)
- 46823 IN-VIVO COMPARISON OF ENDOBUTTON WITH TIGHTROPE FOR FEMORAL FIXATION OF THE GRAFT IN ACL RECONSTRUCTION IN TERMS OF FUNCTIONAL OUTCOME SCORE AND ANTERIOR TIBIAL TRANSLATION – A RETROSPECTIVE REVIEW**
Lakshay GOEL, Rahul RANJAN, Sahil GABA, Mukesh KALRA (INDIA)

- 48259 GRAFT MATURATION FOLLOWING ANATOMIC ACL RECONSTRUCTION USING HAMSTRING AUTOGRAFT: DOES POSTOPERATIVE ROM RESTRICTION MAKE A DIFFERENCE?**
Jung Suk KIM, Kyoung Ho YOON, Cheol Hee PARK, Se Min LEE, Sang Eun PARK (SOUTH KOREA)
- 47902 SURGICAL TREATMENT STRATEGY FOR KNEE JOINT DISLOCATION IN ACUTE AND DELAYED PERIOD**
Mykola ANKIN, Taras PETRYK, Oleg GOLOMOVZYI (UKRAINE)
- 48021 TECHNIQUES OF MAKING PORTALS IN ARTHROSCOPIC ACL RECONSTRUCTION – TRANSTIBIAL OR ANTEROMEDIAL PORTALS: COMPARISON AND REVIEW OF CLINICAL AND RADIOLOGICAL OUTCOMES**
Pankaj Kumar SHARMA, Ashish DEVGAN, Amit BATRA (INDIA)

12:00 - 12:30 *Plenary Lecture – ASHOK K. JOHARI (in Auditorium II)*

12:30 - 13:00 *Plenary Lecture – SICOT Research Award Papers (in Auditorium II)*

13:00 - 14:00 *Break*

14:00 - 15:30 *Invited Lecture & Short Free Papers – Research*

Moderators:

Ajmal IKRAM (SOUTH AFRICA), Matthew DOBBS (UNITED STATES)

Invited Speaker **UPDATE ON SCAPHOLUNATE INJURIES**

Ajmal IKRAM (SOUTH AFRICA)

48817 EFFICIENCY OF ORTHOPAEDIC SURGICAL INSTRUMENT TRAYS

Stephanie SHIM, Margaret WRIGHT, Laura VOGEL, Rajendra KADIYALA, James VOSELLER (UNITED STATES)

47905 ACCURACY OF THE QUALITATIVE ALPHA-DEFENSIN TEST FOR DIAGNOSIS OF PERIPROSTHETIC JOINT INFECTION

Akos ZAHAR, Thorsten GEHRKE, Christian LAUSMANN, Tommaso BONANZINGA, Lars FROMMELT, Mustafa CITAK (GERMANY)

47459 CAN WE INCLUDE PATIENT-REPORTED OUTCOME DATA FROM BOTH HIPS IN ANALYSIS OF PATIENTS WITH BILATERAL TOTAL HIP REPLACEMENT?

Ola ROLFSON, Erik BÜLOW, Szilard NEMES (SWEDEN)

- 47035 SYNOVIAL FLUID TESTING FOR THE DIAGNOSIS OF PROSTHETIC JOINT INFECTION – IMPROVING DIAGNOSTIC ACCURACY WITH SIMPLE AND INEXPENSIVE BIOMARKERS**
Pedro Manuel SERRANO, Luis COUTINHO, Marta SANTOS SILVA, Joana DIAS, José Carlos OLIVEIRA, António OLIVEIRA, Ricardo SOUSA (PORTUGAL)
- 46455 COMPUTATIONAL MODELLING OF FORCES ACTING ON THE FEMUR IN ACETABULAR FRACTURES: A FINITE ELEMENT ANALYSIS STUDY**
John GIBBONS, Mark BERNEY, Philip CARDIF, Michael LEONARD (IRELAND)
- 47050 EFFECT OF BONE MORPHOGENETIC PROTEIN-2 ON ATYPICAL FEMORAL FRACTURE DEFECT RODENT MODEL BY BISPHOSPHONATE**
Dong Gun SHIM, Kwang-Bok LEE (SOUTH KOREA)
- 46776 A DOUBLE BLINDED RANDOMISED COMPARATIVE STUDY OF 2 PINS VERSUS 3 PINS FOR THE FIXATION OF DORSALLY DISPLACED EXTRA-ARTICULAR DISTAL RADIUS FRACTURES IN THE ELDERLY**
Bhaskara Kanakeshwar RAJA, Dheenadyalan JAYARAMARAJU, Shanmuganathan RAJASEKARAN (INDIA)
- 48300 L-ARGININE IN THE TREATMENT OF OSTEOPOROSIS**
Satish Chandra GOEL (INDIA)
- 46613 BLOCKADE OF OSTEOCLAST-MEDIATED BONE RESORPTION WITH A RANKL INHIBITOR ENHANCES SPINAL FUSION**
Evalina BURGER, Nichole SHAW, Michelle SAUQUE, Christopher ERICKSON, Peter YARGER, Todd BALDINI, Christopher KLECK, Vikas PATEL, Karin PAYNE (UNITED STATES)
- 48410 ANALYSIS OF BONY INGROWTH IN NOVEL CERVICAL DISC PROSTHESIS**
Jigang LOU (CHINA)
- 46332 MESENCHYMAL STEM CELLS (MSCS) DELIVERED IN A NOVEL HYDROGEL FOR THE TREATMENT OF CHONDRAL DEFECTS IN A RABBIT ANIMAL MODEL**
Cecilia PASCUAL-GARRIDO, Stephanie BRYANT, Jorge CHAHLA, Elizabeth AISENBREY, Francisco RODRIGUEZ-FONTAN, Karin PAYNE, Laurie GOODRICH (UNITED STATES)
- 46962 ENHANCED CARTILAGE REGENERATION AFTER TYPE II COLLAGEN GEL-ASSISTED AUTOLOGOUS BONE MARROW CELL CONCENTRATE TRANSPLANTATION IN CHONDRAL DEFECT IN MINIPIGS**
Wei-Nan ZENG, Jun-Li LIU, Fu-You WANG, Liu YANG (CHINA)

15:30 - 16:00 *Break*

16:00 - 17:30

Invited Lecture & Short Free Papers – Paediatrics

Moderators:

Joshua HYMAN (UNITED STATES), Shantharam SHETTY (INDIA)

Invited Speaker

MANAGEMENT OF THE NEGLECTED CLUBFOOT

Shantharam SHETTY (INDIA)

46751 A LA CARTE APPROACH IN SURGICAL TREATMENT OF EQUINUS DEFORMITY IN PATIENTS WITH RECURRENT CLUBFOOT

Viachaslau BRADKO, Heorhi BRADKO, Alexander BELETSKY (BELARUS)

47382 INTRA-ARTICULAR STRUCTURES LIKE LIGAMENT IN ADOLESCENTS' KNEE WHICH CAUSED RECURRENT LUXATION OF THE PATELLA

Sandor ROTH, Aron ROTH, Bobinac DRAGICA (CROATIA)

46530 ILIZAROV APPARATUS FOR MANAGING SEVERE TYPES OF PERTHES DISEASE

Mikhail TEPLENKIY (RUSSIA)

46852 A STUDY OF THE USE OF TRANEXAMIC ACID IN SPINAL FUSION FOR SPINAL MUSCULAR ATROPHY SCOLIOSIS

Shih-Hsiang CHOU, Po-Chih SHEN, Cheng-Chang LU, Chih-Ming KAO, Li-Wen CHIU, Yin-Chun TIEN (TAIWAN)

48020 WHAT FACTORS AFFECT THE SURVIVAL RATE OF PATIENTS WITH DUCHENE MUSCULAR DYSTROPHY SCOLIOSIS?

Hak Sun KIM, Seungjin CHOI, Ki Chan AHN, Joong Won HA, Seong Hwan MOON (SOUTH KOREA)

46205 GROWTH MODULATION AND REMODELLING BY MEANS OF POSTERIOR TETHERING TECHNIQUE FOR CORRECTION OF EARLY-ONSET SCOLIOSIS WITH THORACOLUMBAR KYPHOSIS

Alaa Azmi AHMAD (PALESTINE)

47026 COMPLICATIONS FOLLOWING ACUTE HAEMATOGENOUS OSTEOMYELITIS IN CHILDREN

Anria HORN, Stefan WEVER, Eduard Bernard HOFFMAN (SOUTH AFRICA)

48423 THE RESULTS OF SURGICAL TREATMENT FOR LONGITUDINAL EPIPHYSEAL BRACKET WITH POLYSYNDACTYLY

Hee Jin LEE, Inhee KIM, Yong Geon PARK, Hui Taek KIM, Chong Il YOO (SOUTH KOREA)

46970 CLINICAL, LABORATORY AND RADIOLOGICAL PROFILE OF CHILDREN SUFFERING FROM SEPTIC ARTHRITIS IN A TERTIARY HOSPITAL IN DELHI

Akhil AGNIHOTRI (INDIA)

- 47714 AN EVOLUTIONAL WAY OF BONE AXIS MEASUREMENT TO PAEDIATRIC CALCANEUS WITH SCIENTIFIC SOFTWARE: RETROSPECTIVE STUDY OF 43 CASES**
Chiun-Hua HSIEH, Tai-Yin WU, Rong-Sen YANG, Ting-Ming WANG, Ken N. KUO, Chen-Kun LIAW (TAIWAN)
- 46658 THE USE OF PEEK CAGE AS AN ALTERNATIVE FOR AUTOGRAFT IN ANTERIOR CALCANEAL LENGTHENING OSTEOTOMY TO TREAT PAINFUL FLEXIBLE FLAT FOOT IN ADOLESCENTS: SURGICAL TECHNIQUE**
Khaled ZAGHLOUL, Wael Ali Maher AL ADL, Bassm ABO EL NAS, Ahmed Mostafa SAIED (EGYPT)
- 47813 ILIZAROV FOR LEGG-CALVE-PERTHES DISEASE**
M. Mofakhkharul BARI (BANGLADESH)
- 47273 POST-TRAUMATIC PSEUDARTHROSIS OF THE CLAVICLE IN PAEDIATRIC PATIENTS**
Gonzalo LUENGO ALONSO, Jaime ZORRILLA SANCHEZ DE NEYRA, Jorge FERRERO RECASENS, Rafael VIÑA FERNANDEZ, Rafael MARTI CIRUELOS (SPAIN)



Friday, 1 December

Exhibition Hall

10:00 - 10:30

JAM (Just a Minute) Session – Hip & Knee

Moderator:

Vikas KHANDUJA (UNITED KINGDOM)

- 48673 COMPARISON OF MINIMALLY INVASIVE APPROACHES IN PRIMARY TOTAL HIP ARTHROPLASTY: GLUTEUS SPARING MODIFIED ANTEROLATERAL VERSUS DIRECT LATERAL APPROACH**
Laszlo MECS, Ernest NAGY, Kalman TOTH (HUNGARY)
- 48563 ACETABULAR RESTORATION IN REVISION TOTAL HIP ARTHROPLASTY UTILISING GAP II**
Afshin TAHERIAZAM (IRAN)
- 48430 GEOGRAPHICAL VARIATIONS IN POST-OPERATIVE PATIENT REPORTED OUTCOMES AFTER TOTAL HIP ARTHROPLASTY IN SWEDEN**
Ola ROLFSON, Göran GARELLICK, Linnea OLDSBERG, Ingrid Osika FRIBERG, Anke SAMULOWITZ, Nemes SZILARD (SWEDEN)

- 48252 THE FATE OF PELVIC OBLIQUITY AFTER TOTAL HIP ARTHROPLASTY**
Kee Hyung RHYU, Semin LEE, Young Soo CHUN, Yoon Je CHO (SOUTH KOREA)
- 48174 PREDICTIVE FACTORS ON METAL-ION LEVELS IN METAL-ON-METAL TOTAL HIP ARTHROPLASTY**
Maximilian KASPAREK¹, Lisa RENNERT², Martin FASCHINGBAUER², Wenzel WALDSTEIN¹, Michael WEBER¹, Friedrich BOETTNER³
¹(AUSTRIA), ²(GERMANY), ³(UNITED STATES)
- 48115 EARLY RESULTS IN ALMI TECHNIQUE FOR HIP ARTHROPLASTY – APPROACHING THE LEARNING CURVE**
Razvan-Silviu CISMASIU, Rares Mircea BIRLUTIU, Victoria BIRLUTIU (ROMANIA)
- 47950 AN EXPERIENCE OF REVISION SURGERY IN FAILED 92 METAL-ON-METAL HIP ARTHROPLASTIES**
Rajesh BAWALE, Srinivasa SAMSANI, Anand JOSHI (UNITED KINGDOM)
- 47840 CAN PATIENT-REPORTED OUTCOMES PREDICT RE-OPERATIONS AFTER TOTAL HIP REPLACEMENT?**
Ted ENEQVIST, Szilard NEMES, Erik BULOW, Maziar MOHADDES, Ola ROLFSON (SWEDEN)
- 47669 SALVAGE OF A MONOBLOCK METAL-ON-METAL CUP USING A DUAL MOBILITY LINER: A 2-YEAR MRI FOLLOW-UP STUDY**
Maximilian KASPAREK¹, Lisa RENNERT¹, Martin FASCHINGBAUER², Wenzel WALDSTEIN¹, Kilian RUECKL³, Friedrich BOETTNER³
¹(AUSTRIA), ²(GERMANY), ³(UNITED STATES)
- 47495 AN OUTCOME STUDY OF THE HYBRID TOTAL HIP REPLACEMENT AT THE GOLDEN JUBILEE HOSPITAL, GLASGOW, SCOTLAND – A 2-YEAR FOLLOW-UP**
Sriganesh WALKAY, Rahul TYAGI, Rohit MAHESHWARI (UNITED KINGDOM)
- 47388 IS ONE-STAGE BILATERAL TOTAL HIP ARTHROPLASTY A SAFE PROCEDURE FOR PATIENTS WITH AVASCULAR NECROSIS OF FEMORAL HEAD?**
Afshin TAHERIAZAM, Farshad SAFDARI (IRAN)
- 46654 UNCEMENTED TOTAL HIP ARTHROPLASTY IN RECONSTRUCTION OF ACETABULAR DEFECTS IN POST-TRAUMATIC OSTEOARTHRITIS**
Stanislav BONDARENKO, Volodymyr FILIPENKO, Mandus AKONJOM, Ahmed BADNAOUI (UKRAINE)
- 46653 THE MANAGEMENT OF COMPLICATIONS AFTER TOTAL HIP AND KNEE ARTHROPLASTY IN NEPAL: WHERE DO WE STAND?**
Kapil Mani K.C., Dirgha Raj R.C., Parimal ACHARYA, Bandhu Ram PANGENI, Arun SIGDEL, Suman Babu MARAHATTA (NEPAL)

- 47549 EARLY CARTILAGE DENATURALISATION WITH BONE MARROW EDEMA IN OSTEONECROSIS OF FEMORAL HEAD: EVALUATION BY T1RHO AND T2 MAPPING MRI IMAGING – A PILOT STUDY**
Guoju HONG (AUSTRALIA)
- 48568 GROSS TRUNNION FAILURE AFTER TOTAL HIP ARTHROPLASTY**
Deepak GAUTAM, Rajesh MALHOTRA, Sahil GABA, Lokesh CHAWLA (INDIA)
- 48077 TOTAL HIP ARTHROPLASTY: ROLE OF SYNTHETIC ANTIFIBRINOLYTICS IN REDUCING INTRA-OPERATIVE AND POST-OPERATIVE BLOOD LOSS – A PROSPECTIVE STUDY**
Pankaj Kumar SHARMA (INDIA)
- 47479 VIDEO-ASSISTED WITH PISTON-LIKE PUSHER CORE DECOMPRESSION FOR THE TREATMENT OF AVASCULAR NECROSIS OF THE FEMORAL HEAD (AVN)**
Alyaksandr MURZICH, Alexander BELETSKY (BELARUS)
- 48625 EVALUATION OF THE CLINICAL VALUE OF AN AUXILIARY POSITIONER FOR THE HELICAL BLADE IN PROXIMAL FEMORAL NAIL ANTI-ROTATION (PFNA)**
Frank Yaw TAKYI-APPIAH, Xiaopeng PU, Xicheng LI (CHINA)
- 47389 COMPARATIVE STUDY BETWEEN DYNAMIC HIP SCREW AND PROXIMAL FEMORAL NAIL IN THE MANAGEMENT OF PERITROCHANTERIC FEMORAL FRACTURES**
Virender KUMAR, Ajay SHEORAN, Mamta SINGHROHA (INDIA)
- 46620 THE DESTRUCTIVE POWER OF CIRCUMSTANCE ON CONCURRENT POLIOMYELITIS & OSTEOMYELITIS**
Delran ANANDKUMAR, Ananthakrishnan RAGHUPATHI, Ragai GADELRAH (UNITED KINGDOM)
- 47962 IS RELATIVE SURVIVAL FOLLOWING ELECTIVE TOTAL HIP REPLACEMENT DIAGNOSIS SPECIFIC? RESULTS FROM A NATIONWIDE SURVEILLANCE PROGRAMME**
Peter CNUDE¹, Ola ROLFSON², John TIMPERLEY¹, Anne GARLAND², Johan KÄRRHOLM², Göran GARELLICK², Szilard NEMES²
¹(UNITED KINGDOM), ²(SWEDEN)
- 47176 LIMPING FOLLOWING A PRIMARY TOTAL HIP REPLACEMENT: THE COMPARISON OF THREE SURGICAL APPROACHES**
Boonchana PONGCHAROEN (THAILAND)
- 48825 IS IMMEDIATE POST-OPERATIVE PHYSICAL THERAPY NECESSARY AFTER TOTAL KNEE ARTHROPLASTY?**
Zachary POST, Peter BOYLE, Fabio OROZCO, Rex LUTZ, Max LIGAMFELTER, Alvin ONG (UNITED STATES)
- 47074 DOES FINAL COMPONENT ALIGNMENT COINCIDE WITH ALIGNMENT OF THE BONE RESECTION SURFACES IN CEMENTED TOTAL KNEE ARTHROPLASTY?**
Seung-Suk SEO, Changrack LEE, Muwon KIM (SOUTH KOREA)

- 46460 KINEMATIC ALIGNMENT OF TOTAL KNEE ARTHROPLASTY**
Sang Eun PARK, Kugjin CHOI (SOUTH KOREA)
- 48104 ANALYSIS OF ANTHROPOMETRIC DATA OF SOUTH ASIAN POPULATION WITH KNEE PAIN**
Rajesh MALHOTRA¹, Vijay KUMAR¹, Mayur NAYAK¹, Gaurav KANOJIYA¹, Deep SRIVASTAVA¹, Stephen MELLON¹, David MURRAY², Hemant PANDIT²
¹(INDIA), ²(UNITED KINGDOM)
- 48072 RELATIONSHIP BETWEEN RADIOGRAPHIC GRADING OF KNEE OSTEOARTHRITIS AND FUNCTIONAL LIMITATION IN ELDERLY PATIENTS**
Zenat Ahmed KHIRED (SAUDI ARABIA)
- 46396 TO EVALUATE AND COMPARE THE EFFECT OF OZONE THERAPY WITH INTRA-ARTICULAR CORTICOSTEROIDS ON FUNCTIONAL QUALITY OF LIFE OF KNEE OA PATIENTS**
Shubhanshu SHEKHAR, Anil Kumar RAI, Saurabh SINGH, G.N. KHARE (INDIA)
- 48831 QUALITY OF LIFE AFTER LARS RECONSTRUCTION FOR ACL TEARS: A PROSPECTIVELY PLANNED 12-YEAR FOLLOW-UP STUDY**
Gerwin Alexander BERNHARDT, Anna Verena KIEGERL, Patrick SADOGLI, Norbert KASTNER, Matthias WOLF, Andreas LEITHNER, Gerald GRUBER (AUSTRIA)
- 48707 ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION BY HOURGLASS TECHNIQUE: A 12 YEARS' EXPERIENCE**
Mohammed ELRAKAYBI (SAUDI ARABIA)
- 48416 COMPARISON OF SHORT AND NORMAL FEMORAL TUNNEL-GRAFT LENGTH OF HAMSTRING TENDON ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION: A CLINICAL AND FUNCTIONAL OUTCOME EVALUATION OF INTERMEDIATE TERM FOLLOW-UP**
Thanachai THONGTANWORAPAT, Bancha CHERNCHUJIT (THAILAND)
- 47574 CLINICAL OUTCOMES AFTER MACT: COMPARISON BETWEEN PATELLOFEMORAL, TIBIOFEMORAL AND COMBINED DEFECT LOCALISATIONS**
Rupert SCHUSTER, Christian ALBRECHT, Lukas HOFFMANN, Lukas ZAK, Georgios NEOPHYTOU, Harald BINDER, Stefan MARLOVITS, Silke ALDRIAN (AUSTRIA)
- 46584 DOES LATERAL MENISCAL ALLOGRAFT TRANSPLANTATION USING THE KEY-HOLE TECHNIQUE RESTORE THE ANATOMICAL LOCATION OF THE NATIVE LATERAL MENISCUS?**
Seong-Il BIN, Jae Young KIM, Sung Mok OH, Sungwook CHOI (SOUTH KOREA)

15:30 - 16:00

JAM (Just a Minute) Session – Trauma, Foot & Ankle & Miscellaneous

Moderator:

Gowreeson THEVENDRAN (SINGAPORE)

- 48149 MANAGEMENT OF BONE GAPS BY ILIZAROV RING FIXATOR**
Anirudha CHANDAK, Varun SHAH (INDIA)
- 47925 ENHANCED BONE HEALING OF GUSTILO III SEVERE OPEN TIBIA FRACTURES TREATED BY IMMEDIATE ANTIBIOTIC-FORMULATED BONE GRAFTING**
Moshe SALAI, Doron NORMAN, Eliezer SIDON, Asaf ACKER, Noam EMANUEL (ISRAEL)
- 47814 JUDET’S QUADRICEPSPLASTY FOR KNEE EXTENSION CONTRACTURE**
M. Mofakhkharul BARI (BANGLADESH)
- 47809 LIMB SALVAGE IN SEVERE OPEN FRACTURES OF THE TIBIA**
M. Mofakhkharul BARI (BANGLADESH)
- 47738 ADDITIONAL TITANIUM MESH CAGE IN INDUCED MEMBRANE TECHNIQUE ACCELERATES HEALING AND FUNCTION DURING RECONSTRUCTION OF LONG BONE DEFECTS**
Ashok Sunil GAVASKAR (INDIA)
- 47226 EXPERIENCE OF 1,000 UNSTABLE TROCHANTERIC FRACTURES TREATED BY DHS & ELSHAFIE DYNAMIC DEROTATION (EDD) PLATE**
Mohamed ELSHAFIE (EGYPT)
- 46884 DOES ACHIEVING THE ‘BEST PRACTICE TARIFF’ CRITERIA FOR FRACTURED NECK OF FEMUR PATIENTS IMPROVE ONE YEAR OUTCOMES?**
Samuel WHITAKER, Sohail NISAR, Andrew SCALLY, Graham RADCLIFFE (UNITED KINGDOM)
- 46764 OUTCOME OF EXPERT TIBIAL NAIL IN META-DIAPHYSEAL FRACTURES OF TIBIA – A STUDY OF 50 CASES**
Ramchander SIWACH (INDIA)
- 46496 RISK FACTORS FOR FIBULAR NAIL FAILURE IN THE MANAGEMENT OF UNSTABLE FRACTURES OF THE ANKLE JOINT**
Tom CARTER, Samuel MACKENZIE, Katrina BELL, Marcus HOLLYER, Emma GILL, Andrew DUCKWORTH, Tim WHITE (UNITED KINGDOM)
- 46316 IS THE INTERTROCHANTERIC FRACTURE EVOLVING? TRENDS IN THE ELDERLY POPULATION OVER A 10-YEAR PERIOD**
T. JEGATHESAN (SINGAPORE)
- 48253 DEMOGRAPHICS AND RISK FACTORS FOR NON-ACCIDENTAL ORTHOPAEDIC TRAUMA**
R. Justin MISTOVICH, Julian GATTA, Lakshmanan SIVASUNDARAM, Anne NING, Nikunj TRIVEDI, Chang-Yeon KIM (UNITED STATES)

- 47749 PLASTER CAST TREATMENT FOR DISTAL FOREARM FRACTURES IN CHILDREN: WHICH INDEX BEST PREDICTS RE-DISPLACEMENTS?**
Ilaria MORELLI, Domenico RAVIER, Valentina BUSCARINO, Luca Maria SCONFIENZA, Andrea SPREAFICO, Domenico CURCI (ITALY)
- 47179 CSPINE (CORRELATION OF SOFT TISSUE PROJECTION IN INJURED NECKS) – A DESCRIPTIVE STUDY**
Jeannie MCCAUL, Anria HORN, Michael MCCAUL, Stewart DIX-PEEK (SOUTH AFRICA)
- 48338 ROLE OF BETA-TCP AS BONE AUTOGRAFT EXPANDER IN MANAGEMENT OF FEMUR FRACTURE WITH SEGMENTAL DEFECT USING MASQUELET’S TECH**
Sandeep GUPTA (INDIA)
- 46984 FUNCTIONAL OUTCOMES OF PRE-CONTOURED CLAVICULAR LOCKING PLATE FIXATION FOR DISPLACED MIDSHAFT CLAVICLE FRACTURES IN ADULTS**
Bandhuram PANGENI, Dirgha Raj R.C., Parimal ACHARYA, Kapil Mani K.C., Arun SIGDEL, Suman Babu MARAHATTA (NEPAL)
- 48086 FRACTURES OF THE CAPITULUM: ABOUT 15 CASES**
Nadhir MERAGHNI, Riad BENKAIDALI, Abdelrezak CHOUITI, Mohamed KIHAL, Zoubir KARA (ALGERIA)
- 47539 CHANGES IN THE ANKLE JOINT AND HINDFOOT ALIGNMENT FOLLOWING VARUS DEFORMITY CORRECTION OF THE KNEE WITH TOTAL KNEE ARTHROPLASTY**
Bi O JEONG, Chungsoo HAN, Yoonje CHO, Hyuk JUNG (SOUTH KOREA)
- 46241 METATARSUS ADDUCTUS AND HALLUX VALGUS**
Wolfgang WILLAUSCHUS, Felix HUETTNER (GERMANY)
- 47114 EFFECTS OF NEUROMUSCULAR ELECTRICAL STIMULATION AND STRAIGHT LEG RAISE TEST ON DEEP VENOUS BLOOD FLOW IN THE LOWER EXTREMITIES: PROPHYLAXIS FOR VENOUS THROMBOEMBOLISM IN PATIENTS WITH LOWER EXTREMITY PARALYSIS**
Kiyoshi TOZAKI, Kazuki KAJI, Koji TSUDA, Miki SAKAMOTO, Naonobu TAKAHIRA (JAPAN)
- 48829 LONG-TERM QUALITY OF LIFE AFTER SURGICAL TREATMENT OF HALLUX RIGIDUS USING HEMICAP®**
Gerwin Alexander BERNHARDT, Isabella NOMJUWEIT, Matthias LUGER, Martin ORNIG, Lukas HOLZER, Andreas LEITHNER, Roman RADL (AUSTRIA)
- 46491 PUBS – THE CURIOUS CASE OF URINARY DISCOLORATION**
Vishesh KHANNA, Mathew VARGHESE (INDIA)

- 47745 VARIATION IN THE DURATION OF RECUMBENCY POSTSPINAL ANAESTHESIA IN RELATION TO THE OCCURRENCE OF POSTDURAL PUNCTURE HEADACHE**
Elkanah Ayodele ORIMOLADE, Samuel OLATEJU, Joseph MEJABI, Adedapo ADETOYE, Chiedu IKEM, Oluwadare ESAN (NIGERIA)
- 47712 KINGS ELECTIVE ORTHOPAEDIC CENTRE (KEOC): OUR EXPERIENCE OF 1,000 HIPS AND KNEES IN THE GIRFT ERA**
Donald OSARUMWENSE, Mohamed FAROOK, Patrick LI (UNITED KINGDOM)
- 47424 ACCURACY OF PEDICLE SCREW INSERTION BY AIRO® INTRAOPERATIVE CT IN COMPLEX SPINAL DEFORMITY ASSESSED BY A NEW CLASSIFICATION BASED ON TECHNICAL COMPLEXITY OF SCREW INSERTION**
Ajoy Prasad SHETTY, Manindra BHUSHAN, Shanmuganathan RAJASEKARAN (INDIA)
- 47706 MAKO ROBOTIC-GUIDED SURGERY IMPROVES POSTOPERATIVE RECOVERY AND LENGTH OF HOSPITAL STAY FOLLOWING UNICOMPARTMENTAL KNEE ARTHROPLASTY**
Babar KAYANI, Sujith KONAN, Fares HADDAD (UNITED KINGDOM)
- 47704 IMPROVED IMPLANT POSITIONING AND LOWER LIMB ALIGNMENT IN MAKO ROBOTIC-GUIDED UNICONDYLAR KNEE ARTHROPLASTY COMPARED TO JIG-BASED OXFORD UNICOMPARTMENTAL KNEE ARTHROPLASTY**
Babar KAYANI, Sujith KONAN, Fares HADDAD (UNITED KINGDOM)

Saturday, 2 December

Time	Auditorium II	Roof Terrace	Room 2.41-2.43	Room 2.44-2.45	Room 2.61-2.66
08:00-10:00	Symposium Post-traumatic Non-union of Long Bone Fractures Page 118	Young Surgeons Committee Video Session Approaches to Hip for Total Hip Arthroplasty Page 120	DMI'S Symposium Dual Mobility Page 121	Symposium & Free Papers Injury Prevention: Road Safety / Disaster Management Page 123	Invited Lecture & Free Papers Knee III Page 125
10:00-10:30	Break				
10:30-12:00	Free Papers Trauma: Miscellaneous Page 118	Young Surgeons Committee Symposium Advances in Shoulder Arthroplasty Page 120	Invited Lecture & Free Papers Hip Revision Page 121	Free Papers Emerging Technology Page 124	Free Papers Knee IV Page 127
12:15-13:30	CLOSING CEREMONY				

Room 1.41-1.42	Room 1.43-1.44	Room 1.61-1.62	Room 1.63	Room 1.64
FFN <i>Symposium</i> Hip Fracture Care: From Surgery to Secondary Prevention	<i>Symposium</i> Necessity for Microsurgery in Limb Surgery: From Trauma to Secondary Reconstruction	AOSpine <i>Symposium</i> Cervical Spine, Spinal Stenosis & the SI Joint	<i>Symposium</i> Update in Medicolegal Issues	<i>Short Free Papers</i> Hip
Page 128	Page 130	Page 132	Page 134	Page 136

Break

<i>Free Papers</i> Osteoporosis & Conservative Management	<i>Invited Lecture & Free Papers</i> Rheumatology & Pain Management	<i>Free Papers</i> Cartilage in Sports Medicine	<i>Free Papers</i> Developing World	<i>Short Free Papers</i> Knee
Page 129	Page 131	Page 132	Page 134	Page 138



Saturday, 2 December

Auditorium II

08:00 - 10:00 **Symposium – Post-traumatic Non-union of Long Bone Fractures**

Moderators:

David HAK (UNITED STATES), Reiner SCHNETTLER (GERMANY)

BIOLOGY OF FRACTURE HEALING – UPDATES

Nimrod ROZEN (ISRAEL)

THE ROLE OF THE DIAMOND CONCEPT IN BONE DEFECT TREATMENT

David HAK (UNITED STATES)

ILIZAROV TREATMENT FOR LONG BONES

To be confirmed

REAMER IRRIGATOR ASPIRATOR – CASE BASED

Roman PFEIFER (SWITZERLAND)

ASEPTIC NON-UNION OF LONG BONES – MY PREFERRED TECHNIQUE

To be confirmed

INFECTED NON-UNION – HOW TO PREVENT AND TREAT

Reiner SCHNETTLER (GERMANY)

10:00 - 10:30 *Break*

10:30 - 12:00 **Free Papers – Trauma: Miscellaneous**

Moderators:

Mohamed RASHED (LIBYA), Nando FERREIRA (SOUTH AFRICA)

49394 SCIATIC NERVE INJURY IN PELVIC FRACTURE

Ashok Kumar DAS (INDIA)

48753 IS A PRE-OPERATIVE GROUP AND SAVE NECESSARY FOR ORTHOPAEDIC PATIENT WITH EMERGENCY UPPER AND LOWER LIMB PATHOLOGIES?

Chetan KHATRI, Imran AHMED, Kanai GARALA, Peter WALL, Robert JORDAN, Gurdip CHAHAL (UNITED KINGDOM)

47667 DETERMINANTS OF REOPERATION FOLLOWING LOCKED NAIL MANAGEMENT OF TIBIA SHAFT FRACTURES

Akinola AKINMADE, Adeolu ADEYEYE, Innocent IKEM (NIGERIA)

- 46463 RIVAROXABAN VERSUS ENOXAPARIN IN COAGULATION TEST**
Sang Eun PARK, Kugjin CHOI (SOUTH KOREA)
- 46490 CRITICALLY ILL, POSTOPERATIVE ORTHOPAEDIC TRAUMA PATIENTS – FACTORS INFLUENCING MORTALITY FOLLOWING INTER-HOSPITAL TRANSFERS**
Vishesh KHANNA, Senthil SAMBANDAM (INDIA)
- 48527 THE CLINICAL EFFICACY OF PERCUTANEOUS KYPHOPLASTY FOR THE MANAGEMENT OF OSTEOLYTIC THORACOLUMBAR TUMOUR**
Jiancheng ZENG (CHINA)
- 47138 MEGAPROSTHESIS IN POST-TRAUMATIC AND PERIPROSTHETIC SEPTIC**
Giorgio Maria CALORI, Massimiliano COLOMBO, Emilio Luigi MAZZA, Alessandra COLOMBO, Simone MAZZOLA, Fabio ROMANÒ, Fabio GIARDINA (ITALY)
- 46785 PROBIONIBACTERIUM ACNES – AN UNDERESTIMATED PROBLEM OF THE SURGICAL TREATMENT OF CLAVICLE INJURIES? PRELIMINARY RESULTS OF THE HAPDICS-GROUP**
Till Orla KLATTE, Lars GROSSTERLINDEN, Felix PRANGE, Johannes M. RUEGER, Christian LAUSMANN, Akos ZAHAR, Thorsten GEHRKE, Daniel KENDOFF, Holger ROHDE, Anna BOTH (GERMANY)
- 46635 POST-TRAUMATIC STIFF ELBOWS – OPEN ARTHROLYSIS THROUGH TRAP APPROACH**
Deepak KAKI (INDIA)
- 47846 EPIDEMIOLOGY OF DELAYED UNION OF LONG BONES**
Shashank JAIN, Singh PRADEEP, Khan SOHAEL, Suvarn GUPTA, Shantanu GUPTA, Khan SAHERISH, Shraddha SINGHANIA, Vaibhav KUMAR, Akhita SINGHANIA, Pooja SINGHANIA (INDIA)

12:15 - 13:30

CLOSING CEREMONY



Saturday, 2 December

Roof Terrace

08:00 - 10:00

Young Surgeons Committee Video Session – Approaches to Hip for Total Hip Arthroplasty

Moderators:

Jacques CATON (FRANCE), Mohamed SUKEIK (UNITED KINGDOM)

VIDEO: DIRECT ANTERIOR APPROACH

Kerem BASARIR (TURKEY)

VIDEO: ANTEROLATERAL APPROACH

Mohamed SUKEIK (UNITED KINGDOM)

VIDEO: LATERAL APPROACH

Ibrahim AZBOY (TURKEY)

DISCUSSION

10:00 - 10:30

Break

10:30 - 12:00

Young Surgeons Committee Symposium – Advances in Shoulder Arthroplasty

Moderators:

Nuri AYDIN (TURKEY), Przemyslaw LUBIATOWSKI (POLAND)

THE DESIGN AND INDICATIONS OF ANATOMICAL AND REVERSE SHOULDER ARTHROPLASTY

Kerem CANBORA (TURKEY)

DELTOPECTORAL APPROACH FOR SHOULDER ARTHROPLASTY

Nuri AYDIN (TURKEY)

REVERSE SHOULDER ARTHROPLASTY FOR FRACTURE

Davide BLONNA (ITALY)

HEMIARTHROPLASTY FOR FRACTURE

Lee VAN RENSBURG (UNITED KINGDOM)

SHOULDER ARTHROPLASTY IN RHEUMATOID PATIENTS

Marina LIPINA (RUSSIA)



Saturday, 2 December

Room 2.41-2.43

08:00 - 10:00

Dual Mobility International Society Symposium – Dual Mobility

Moderator:

Jean Louis PRUDHON (FRANCE)

PRESIDENTIAL INTRODUCTION

Jean-Louis PRUDHON (FRANCE)

BEST OF THE LHA ABOUT DUAL MOBILITY MEETING IN LYON, FRANCE

Jean-Louis PRUDHON (FRANCE)

THA INSTABILITY

Sebastien LUSTIG (FRANCE)

LONG-TERM RESULTS OF DUAL MOBILITY CUP

Andre FERREIRA (FRANCE)

WHAT'S NEW ABOUT WEAR IN DUAL MOBILITY CUP

Jacques CATON (FRANCE)

DUAL MOBILITY CUP COMPLICATION: MYTH OR REALITY?

Jean-Louis PRUDHON (FRANCE)

IS IT REASONABLE TO WIDEN INDICATIONS OF DUAL MOBILITY CUPS?

Jean Marc PUCH (FRANCE)

DISCUSSION

Philippe HERNIGOU (FRANCE)

NEED FOR A DMC INTERNATIONAL REGISTER

All speakers

10:00 - 10:30

Break

10:30 - 12:00

Invited Lecture & Free Papers – Hip Revision

Moderators:

Pierre HOFFMEYER (SWITZERLAND), Dick Ronald VAN DER JAGT (SOUTH AFRICA)

Invited Speaker

ARTHROPLASTY REGISTRIES: BOON OR BANE

Pierre HOFFMEYER (SWITZERLAND)

- 47869 IMPACTION BONE GRAFTING WITH CEMENTED STEM IN FEMORAL STEM REVISION WITH SEVERE FEMORAL BONE DEFECT**
Yoon Je CHO, Young Soo CHUN, Kee Hyung RHYU, Chung Soo HAN, Bi O JEONG, Liang HU (SOUTH KOREA)
- 47978 REVISION FOR SYMPTOMATIC PSEUDOTUMOURS FOLLOWING PRIMARY TOTAL HIP ARTHROPLASTY WITH A NON-METAL-ON-METAL BEARING SURFACE AND A STANDARD FEMORAL STEM**
Henrik BODÉN (SWEDEN)
- 47027 A SYSTEMATIC REVIEW OF RECONSTRUCTION FOR FAILED ACETABULAR COMPONENT IN THE PRESENCE OF SEVERE BONE LOSS**
Rosamond TANSEY, Andrea VOLPIN, Sujith KONAN, Fares HADDAD (UNITED KINGDOM)
- 47353 SHORT-TERM OUTCOME OF ACETABULAR DEFECT RECONSTRUCTION WITH TRABECULAR METAL AUGMENTS**
Won Yong SHON, Chirayu DWIVEDI (SOUTH KOREA)
- 48373 TANTALUM METAL ACETABULAR COMPONENT IN REVISION HIP ARTHROPLASTIES – OVER 10-YEAR RESULTS IN 100 PATIENTS**
Hannu MIETTINEN, Jukka KETTUNEN, Simo MIETTINEN, Jussi JALKANEN, Heikki KRÖGER (FINLAND)
- 46640 UNCEMENTED STEMS HAVE A HIGHER RISK FOR FRACTURE, BUT A LOWER RISK OF CAUSING VANCOUVER TYPE C FRACTURES: AN ANALYSIS OF 840 POSTOPERATIVE PERIPROSTHETIC FEMORAL FRACTURES**
Georgios CHATZIAGOROU, Hans LINDAHL, Göran GARELLICK, Johan KÄRRHOLM (SWEDEN)
- 47499 PROXIMAL FEMORAL REPLACEMENT – A SOLUTION FOR PROFOUND FEMORAL BONE LOSS?**
Akash SARAOGI¹, Sijin KALLADA SIDHARTHAN², William WILSON-THEAKER², Naveen LOKIKERE², Siney PAUL², Hajime NAGAI², Anil GAMBHIR², Nikhil SHAH², Martyn PORTER², Peter KAY²
¹(INDIA), ²(UNITED KINGDOM)
- 48039 IS IT REASONABLE TO USE DUAL MOBILITY CUP (DMC) IN TOTAL HIP ARTHROPLASTY (THA) FOR ALL CASES? ABOUT A COMPARATIVE SERIES OF DMC IN PATIENTS UNDER 55 YEARS OLD – OVER 10 YEARS' FOLLOW-UP**
Jacques CATON, Jean Marc PUCH (FRANCE)
- 46264 TIPS AND TRICKS IN HIP REVISION SURGERY**
László BUCSI¹, Ákos ZAHÁR²
¹(HUNGARY), ²(GERMANY)



Saturday, 2 December

Room 2.44-2.45

08:00 - 10:00

Symposium – Injury Prevention: Road Safety

Moderators:

Gunter LOB (GERMANY), Hans-Christoph PAPE (SWITZERLAND)

IMPLEMENTING INJURY PREVENTION AND ROAD SAFETY IN INDIA

Shanmuganathan RAJASEKARAN (INDIA)

THE ROLE OF THE ORTHOPAEDIC SURGEON IN ROAD SAFETY

Fred OTSYENO (KENYA)

ROAD TRAFFIC FATALITIES IN AFRICA

Thami BENZAKOUR (MOROCCO)

ROAD SAFETY AND CASUALTY IN ARAB COUNTRIES

Khaled EMARA (EGYPT)

ROAD TRAUMA IN BRAZIL

Jose Sergio FRANCO (BRAZIL)

ROAD TRAUMA, FATALITIES AND ACCIDENT PREVENTION IN THE USA

David HAK (UNITED STATES)

EUROPEAN EXPERIENCE IN REDUCING ROAD TRAUMA FATALITIES

Gunter LOB (GERMANY)

DISCUSSION

Symposium – Disaster Management

Moderators:

Maurice HINSENKAMP (BELGIUM), Fred OTSYENO (KENYA)

CHRONIC OSTEOMYELITIS IN LOW AND MIDDLE INCOME COUNTRIES

(LAMIC): A NEGLECTED GLOBAL SURGERY ISSUE – LOCAL VERSUS SYSTEMIC ANTIBIOTICS AS ADJUVANT TO WHICH SURGERY?

Innocent NYARUHIRIRA (BELGIUM)

DISCUSSION

Free Papers

- 48484 **A NEW TRIAGE AND TRANSPORT PRIORISATION DEVICE FOR MASS CASUALTY INCIDENTS AT SEA**
Denis GUEMBEL, Caspar OTTERSACH, Esther HENNING, Stefan SCHULZ-DROST, Matthias NAPP, Axel EKKERNKAMP (GERMANY)
- 46631 **PRIMARY DEFINITIVE INTERNAL FIXATION OF GUSTILO IIIA AND IIIB FRACTURES**
Pramod LAMICHHANE (NEPAL)
- 47381 **A CLINICO-RADIOLOGICAL STUDY OF OPERATIVE TREATMENT OF TIBIAL PLATEAU FRACTURES**
Virender KUMAR, Mamta SINGHROHA, Ajay SHEORAN, Pradeep SHARMA (INDIA)
- 48794 **TRADITIONAL BONE SETTING COMPLICATIONS IN A TROPICAL COUNTRY**
Segla Pascal CHIGBLO, Eric LAWSON, Emile MENSAH, Fiacre TIDJANI, Aristote HANS-MOEVI (BENIN)

10:00 - 10:30 *Break*

10:30 - 12:00 *Free Papers – Emerging Technology*

Moderators:

Cody BUNGER (DENMARK), Rajesh MALHOTRA (INDIA)

- 48505 **UPPER EXTREMITY KINEMATICS AND TEMPOROSPATIAL PARAMETERS OF FILIPINO TRACK AND FIELD PARALYMPIANS DURING WHEELCHAIR PROPULSION: AN ANALYSIS USING A KINECT®-BASED MARKERLESS MOTION ANALYSIS SYSTEM**
Carlo Emmanuel SUMPAICO, Christoher CONSTANTINO, Joycie ABIERA (PHILIPPINES)
- 48211 **THE CHALLENGES FOR THE YOUNG ORTHOPAEDIC SURGEON IN THE REDUCTION AND SYNTHESIS OF ARTICULAR KNEE, ELBOW AND ACETABULAR FRACTURES: ARE THE 3D MODELS REALLY USEFUL?**
Luigi MECCARIELLO, Giuseppe ROLLO, Massimo TORSELLO, Giorgio DE NUNZIO, Luigi MARTELLA, Marina DONATIVI, Marco FILIPPONI, Paolo PICHIERRI (ITALY)
- 46452 **ASSESSMENT OF BONE HEALING DURING ANTEGRADE INTRAMEDULLARY ROD FEMUR LENGTHENING USING RADIOGRAPHIC PIXEL DENSITY**
David SOLOMON, Ettore VULCANO, Austin FRAGOMEN, S. Robert ROZBRUCH (UNITED STATES)

- 46614 EVALUATION OF A NEW IGS FOR THE IMPLANTATION OF PROXIMAL FEMORAL NAILS – A RANDOMISED CONTROLLED TRIAL**
 Fabian SOMMER¹, Simon WEIDERT¹, Axel GREINER¹, Christopher BECKER¹, Philip SOMMER¹, Patrick SOMMER², Bianka RUBENBAUER¹, Stefan GROTE¹, Christian KAMMERLANDER¹
¹(GERMANY), ²(SWITZERLAND)
- 46500 PERCUTANEOUS EXCISION OF DIFFICULT OSTEOID OSTEOMAS USING INTRA-OPERATIVE CT NAVIGATION – AN EARLY EXPERIENCE**
 Bhaskara Kanakeshwar RAJA, Venkatadass KRISHNAMOORTHY, Shanmuganathan RAJASEKARAN (INDIA)
- 46923 IMPACT OF ISOCENTRIC NAVIGATION ON RADIATION EXPOSURE IN TRANSFORAMINAL PERCUTANEOUS ENDOSCOPIC LUMBAR DISCECTOMY**
 Guoxin FAN, Shisheng HE (CHINA)
- 47707 THE LEARNING CURVE ASSOCIATED WITH THE CT PLANNED, ROBOTIC-GUIDED UNICOMPARTMENTAL KNEE ARTHROPLASTY**
 Babar KAYANI, Sujith KONAN, Fares HADDAD (UNITED KINGDOM)
- 48774 DOES EXTENDED TRAINING ON A VIRTUAL-REALITY DYNAMIC HIP SCREW SIMULATOR IMPROVE PERFORMANCE?**
 Chetan KHATRI, Kapil SUGAND, Catrin WIGLEY, Akhtar KASHIF, Chinmay GUPTA (UNITED KINGDOM)
- 47149 CONVENTIONAL PLATE FIXATION METHOD VERSUS PREOPERATIVE VIRTUAL SIMULATION AND THREE-DIMENSIONAL PRINTING-ASSISTED CONTOURED PLATE FIXATION METHOD IN THE TREATMENT OF ANTERIOR PELVIC RING FRACTURE: A PRELIMINARY REPORT**
 Yuan-Ta LI, Tsu-Te YEH (TAIWAN)



Saturday, 2 December

Room 2.61-2.66

08:00 - 10:00

Invited Lecture & Free Papers – Knee III

Moderators:

Miroslav HASPL (CROATIA), Richard VON BORMANN (SOUTH AFRICA)

Invited Speaker

HIDDEN MENISCUS INJURY IN ACL RAMP LESIONS

Richard VON BORMANN (SOUTH AFRICA)

- 47804 SECONDARY PATELLAR RESURFACING FOR PERSISTENT ANTERIOR KNEE PAIN (AKP) AFTER PRIMARY KNEE ARTHROPLASTY**
Ori WEISS (ISRAEL)
- 46175 VARUS KNEE TOTAL REPLACEMENT SURGERY (TIBIAL COMPONENT PLACEMENT) ACCORDING TO THE ROTATIONAL ALIGNMENT OF THE LIMB**
Radek HART, Martin KOMZAK (CZECH REPUBLIC)
- 48389 CHANGE OF CHONDRAL LESIONS AND PREDICTIVE FACTORS AFTER MEDIAL OPEN-WEDGE HIGH TIBIAL OSTEOTOMY WITH A LOCKED PLATE SYSTEM**
Hwan Jin KIM, Kang-Il KIM, Gi Beom KIM (SOUTH KOREA)
- 46587 INSIDE-OUT STEPLADDER PITHING TECHNIQUE FOR BALANCING THE MEDIAL COLLATERAL LIGAMENT IN TOTAL KNEE ARTHROPLASTY**
Mrinal SHARMA (INDIA)
- 46960 LOW DOSE OF EPINEPHRINE AND TRANEXAMIC ACID REDUCES EARLY POST-OPERATIVE BLOOD LOSS AND INFLAMMATORY RESPONSE IN TOTAL KNEE ARTHROPLASTY: A RANDOMISED CLINICAL TRIAL**
Wei-Nan ZENG, Jun-Li LIU, Fu-You WANG, Liu YANG (CHINA)
- 48738 FACTORS AFFECTING SATISFACTION FOLLOWING TOTAL KNEE REPLACEMENT: A SYSTEMATIC REVIEW OF OVER 130,000 CASES**
Naoki NAKANO, Fernando OLAVARRIA, Vikas KHANDEJA (UNITED KINGDOM)
- 47783 SINGLE DOSE INTRAVENOUS TRANEXAMIC ACID MAY NOT BE ADEQUATE TO REDUCE BLOOD LOSS AND BLOOD TRANSFUSION REQUIREMENT IN PATIENTS UNDERGOING SINGLE STAGE BILATERAL TOTAL KNEE ARTHROPLASTY**
Sujit Kumar TRIPATHY, Somnath MUKHERJEE (INDIA)
- 48445 DOES NAVIGATION SYSTEM HAVE ANY ADVANTAGES IN UNICOMPARTMENTAL KNEE ARTHROPLASTY COMPARED WITH CONVENTIONAL TECHNIQUE IN LONG-TERM RESULTS?**
Dong-Hyun LEE, Eun Kyoo SONG, Jong Keun SEON, Je Hyoung YEO (SOUTH KOREA)
- 47817 SINGLE DOSE OF TRANEXAMIC ACID IN TOTAL KNEE REPLACEMENT WITHOUT TOURNIQUET – IS IT CLINICALLY EFFECTIVE IN REDUCING POST-OPERATIVE TRANSFUSION?**
Giri SITARAM, Richard FERNANDES, Serahdin AJNIN, Mahesh THIBALAH (UNITED KINGDOM)
- 47827 COMBINATION OF INTRAVENOUS AND INTRA-ARTICULAR TRANEXAMIC ACID REDUCES TRANSFUSION RATE IN SIMULTANEOUS BILATERAL TOTAL KNEE REPLACEMENT SURGERY**
Mridul ARORA, Ashutosh DONGRE, Vijay SHETTY (INDIA)

- 47772 **COMPARISON OF ADDUCTOR CANAL BLOCK WITH COMBINED ADDUCTOR CANAL BLOCK AND INTRA-ARTICULAR EPIDURAL CATHETER INFILTRATION FOR PAIN RELIEF AFTER TOTAL KNEE ARTHROPLASTY**
Chandra Sekhar DANNANA (INDIA)
- 47913 **DOES PRE-OPERATIVE AETIOLOGY PLAY A ROLE IN QUALITY OF LIFE AFTER REVISION TKR? A COMPREHENSIVE ANALYSIS USING 5 SCORING SYSTEMS**
Sahil SANGHAVI (INDIA)
- 47919 **SHOULD WE REPLACE THE PCL IN TKR?**
Chetan SOOD (INDIA)
- 47912 **MANAGEMENT OF TIBIAL BONE DEFECTS IN PRIMARY COMPLEX KNEE REPLACEMENT**
Chetan SOOD (INDIA)

10:00 - 10:30 *Break*

10:30 - 12:00 **Free Papers – Knee IV**

Moderators:

Vijay KUMAR (INDIA), Hemant PANDIT (UNITED KINGDOM)

- 48087 **RESULTS OF OXFORD MOBILE BEARING MEDIAL UNICOMPARTMENTAL KNEE REPLACEMENT IN INDIAN POPULATION**
Vijay KUMAR¹, Rajesh MALHOTRA¹, Naman WAHAL¹, Mayur NAYAK¹, Gaurav KANOJIYA¹, Deep SRIVASTAVA¹, David MURRAY², Hemant PANDIT²
¹(INDIA), ²(UNITED KINGDOM)
- 47087 **VARUS KNEE OSTEOARTHRITIS: ELEVATED SYNOVIAL CD15 COUNTS INDICATE INFERIOR BIOMECHANICAL PROPERTIES OF LATERAL-COMPARTMENT CARTILAGE**
Wenzel WALDSTEIN¹, Ulrich KOLLER¹, Veit KRENN², Kilian RUECKL³, Maximilian KASPAREK¹, Reinhard WINDHAGER¹, Friedrich BOETTNER³
¹(AUSTRIA), ²(GERMANY), ³(UNITED STATES)
- 48388 **IS TRANEXAMIC ACID EFFECTIVE IN OPEN-WEDGE HTO?**
Hwan Jin KIM, Kang-Il KIM, Gi Beom KIM (SOUTH KOREA)
- 47908 **PATELLOFEMORAL CHONDROMALACIA DOES NOT INFLUENCE THE RADIOLOGIC AND CLINICAL OUTCOMES FOLLOWING HIGH TIBIAL OSTEOTOMY**
Hyun Woo JUNG, Jae Doo YOO, Nam Ki KIM (SOUTH KOREA)

- 46814 HIGH TIBIAL OSTEOTOMY AND CORRECTION BY GRADUAL HISTOGENESIS USING LRS FRAME FOR OSTEOARTHRITIS OF THE KNEE**
Raghvendra TRIPATHI, Prabhakar Moreshwar GADRE, Suraj MEHAROTRA (INDIA)
- 47073 DOES SUPERFICIAL MEDIAL COLLATERAL LIGAMENT RELEASE IN OPEN-WEDGE HIGH TIBIAL OSTEOTOMY FOR VARUS OSTEOARTHRITIC KNEES INCREASE VALGUS LAXITY?**
Seung-Suk SEO, Changrack LEE, Muwon KIM (SOUTH KOREA)
- 47450 MID-TERM RESULTS OF LATERAL UNICONDYLAR MOBILE BEARING KNEE REPLACEMENT – A MULTI-CENTRE STUDY OF 363 CASES**
Tilman WALKER, Niklas ZAHN, Thomas BRUCKNER, Marcus STREIT, Guido MOHR, Peter ALDINGER, Michael CLARIUS, Tobias GOTTERBARM (GERMANY)
- 48126 IN VIVO SAGITTAL PLANE KINEMATIC ANALYSIS OF OXFORD MOBILE BEARING MEDIAL UNICOMPARTMENTAL KNEE REPLACEMENT (UKR) AND ITS CORRELATION WITH FUNCTIONAL OUTCOME**
Rajesh MALHOTRA¹, Vijay KUMAR¹, Naman WAHAL¹, Deep SRIVASTAVA¹, Stephen MELLON¹, David MURRAY²
¹(INDIA), ²(UNITED KINGDOM)
- 46248 OXFORD PARTIAL KNEE REPLACEMENT FOR SEVERE VARUS DEFORMITIES IN INDIA**
Sanjeev GOKHALE (INDIA)



Saturday, 2 December

Room 1.41-1.42

08:00 - 10:00

Fragility Fracture Network Symposium – Hip Fracture Care: From Surgery to Secondary Prevention

Moderators:

Karsten DREINHOEFER (GERMANY), James WADDELL (CANADA)

A TEMPLATE FOR HIP FRACTURE CARE

James WADDELL (CANADA)

HIP FRACTURE CARE IN SOUTH AFRICA: A UNIQUE MODEL

Koos JORDAAN (SOUTH AFRICA)

TREATMENT OF FRAGILITY FRACTURES – WHO NEEDS SURGERY, WHO DOESN'T

Rajesh MALHOTRA (INDIA)

FRAGILITY FRACTURE CARE IN SOUTH AFRICA

Koos JORDAAN (SOUTH AFRICA)

RECONDITIONING, REHABILITATION AND SECONDARY – PREVENTION OF FRAGILITY FRACTURE

Karsten DREINHOEFER (GERMANY)

THE ROLE OF THE GERIATRICIAN IN FRAGILITY FRACTURE MANAGEMENT

Paolo FALASCHI (ITALY)

ROUNDTABLE / CASE PRESENTATIONS / Q&A

10:00 - 10:30 *Break*

10:30 - 12:00 **Free Papers – Osteoporosis & Conservative Management**

Moderators:

Vijay SHETTY (INDIA), James WADDELL (CANADA)

46255 THE RATES OF REFERRAL FOR PATIENTS WITH FRAGILITY FRACTURES TO FALLS PREVENTION AND OSTEOPOROSIS SERVICES – A MANAGEMENT AUDIT

Henry MAGILL, Arif RAZAK (UNITED KINGDOM)

46257 ASSESSMENT OF OSTEOPOROSIS IN PATIENTS PRESENTING WITH PROXIMAL FEMORAL FRACTURES: AN INDIAN PERSPECTIVE

Jagandeep VIRK, Ajit CHALAK, Sudhir Kumar GARG, Ravi GUPTA, Sandeep GUPTA (INDIA)

47025 CASE SERIES OF STRESS FRACTURES OF PROXIMAL TIBIA TREATED WITH OPEN REDUCTION AND INTERNAL FIXATION WITH PLATING AND FIBULECTOMY

Ayush SHARMA, Vijay SINGH, Kaustubh SAWANT, Prashant KAMBLE, Hari KISHORE, Shorabh SINGH (INDIA)

47631 INTRA-ARTICULAR PRP/HA: WHICH IS MORE EFFECTIVE?

Pradeep KAMBOJ, Ashish DEVGAN (INDIA)

47193 AUTOLOGOUS BLOOD INJECTIONS IN TENNIS ELBOW: EXPERIENCE FROM A DEVELOPING COUNTRY – INDIA

Kashif AKHTAR AHMED, K. Salauddin ARIF (INDIA)



Saturday, 2 December

Room 1.43-1.44

08:00 - 10:00

Symposium – Necessity for Microsurgery in Limb Surgery: From Trauma to Secondary Reconstruction

Moderators:

Marko BUMBASIREVIC (SERBIA), Frederic SCHUIND (BELGIUM)

INTRODUCTION

Marko BUMBASIREVIC (SERBIA)

REPLANTATIONS

Panayotis SOUCACOS (GREECE)

VASCULARISED FIBULAR GRAFT

Ryoko UESATO (JAPAN)

RECONSTRUCTION OF CERVICAL SPINE AFTER CORPECTOMY USING VASCULARISED FIBULAR GRAFT

Ahmad ADDOSOOKI (EGYPT)

EARLY TREATMENT OF BRACHIAL PLEXUS LESION

Margaret FOK (HONG KONG)

UPDATE IN BRACHIAL PLEXUS INJURIES

Jörg BAHM (GERMANY)

FUNCTIONAL MUSCLE TRANSFERS

Liqiang GU (CHINA)

MICROSURGICAL/NON-MICROSURGICAL PROCEDURES – PERFORATOR FLAPS

Juyu TANG (CHINA)

LIMB TRANSPLANTATION (CADAVERIC)

To be confirmed

BIONIC LIMBS

Marko BUMBASIREVIC (SERBIA)

RECONSTRUCTION PRINCIPLES OF BIG DEFECTS AND ROLE OF MICROSURGERY

Shanmuganathan RAJASEKARAN (INDIA)

DISCUSSION

10:00 - 10:30 *Break*

10:30 - 12:00

Invited Lecture & Free Papers – Rheumatology & Pain Management

Moderators:

Julio FERNANDES (CANADA), Hitesh GOPALAN (INDIA)

Invited Speaker

CURRENT EVIDENCE AND BEST PRACTICE IN TIBIAL NON-UNION

Hitesh GOPALAN (INDIA)

47237 TOTAL HIP ARTHROPLASTY IN CASES OF RHEUMATOID ARTHRITIS: DOES MEDICATION WORK?

Taku KAWASAKI, Tomohiro MIMURA, Noriaki OKUMURA, Kousuke KUMAGAI, Shinji IMAI (JAPAN)

47292 COMPARATIVE ANALYSIS OF PERIPROSTHETIC FRACTURES AFTER TOTAL HIP ARTHROPLASTY IN PATIENTS WITH RHEUMATIC DISEASES

Alexander KHRAMOV, Maxim MAKAROV, Sergey MAKAROV, Vadim PAVLOV, Evgeniy BYALIK, Gayane VARDIKOVA, Alexey RYBNIKOV, Evgeniy NARYSHKIN, Vera AMIRDZHANOVA (RUSSIA)

47291 PREVENTION AND TREATMENT OF VENOUS THROMBOEMBOLISM IN PATIENTS WITH RHEUMATOID ARTHRITIS UNDERGOING TOTAL KNEE ARTHROPLASTY

Alexey RYBNIKOV, Eugeny BYALIK, Sergei MAKAROV, Maxim MAKAROV, Alexander KHRAMOV, Evgeniy NARYSHKIN, Vadim PAVLOV, Gayane VARDIKOVA (RUSSIA)

48503 ROLE OF NUCLEAR MEDICINE IN UNUSUAL CASES OF SERONEGATIVE INFLAMMATORY DISORDERS

Vijay Kumar KHARIWAL, Sadhna GARG (INDIA)

47805 HOW CAN DEXAMETHASONE INCREASE ANALGESIC DURATION AFTER SHOULDER ARTHROSCOPY?

Petrea IFTIMIE, Joan Tomas GEBELLI JOVE, Olga ARAUJO LOPERENA, Eugenia MIRANDA SANROMA, Antonio BUÑUEL VIÑAU (SPAIN)

47581 EMG IN DIAGNOSIS OF PIRIFORMIS SYNDROME: RELIABILITY OF PERONEAL H-REFLEX ACCORDING TO RESULTS OBTAINED AFTER SURGERY, BOTOX INJECTION AND MEDICAL FOLLOW-UP

Hassan NAJDI, Elie MAKHOUL, Hussein FARHAT, Roger JAWISH (LEBANON)

46507 WORKABILITY IN PATIENTS WITH RHEUMATOID ARTHRITIS

Ludwig ERLACHER, Carolin BERNER, Karl Heinrich FENZL, Michael QUITTAN, Thomas Ernst DORNER (AUSTRIA)



Saturday, 2 December

Room 1.61-1.62

08:00 - 10:00

AOSpine Symposium – Cervical Spine, Spinal Stenosis & the SI Joint

Moderators:

Cody BÜNGER (DENMARK), Vikas PATEL (UNITED STATES)

CERVICAL STENOSIS, PATHOLOGY AND PRESENTATION

Johan DAVIS (SOUTH AFRICA)

TREATMENT OPTIONS AND OUTCOMES

Jong-Beom PARK (SOUTH KOREA)

SURGICAL TECHNIQUES FOR CERVICAL SPINAL STENOSIS

Osahiko TSUJI (JAPAN)

CASES AND DEBATES ON TREATMENT OPTIONS

Pradeep MAKAN (SOUTH AFRICA)

SI JOINT, MORPHOLOGY AND FUNCTION

Johan DAVIS (SOUTH AFRICA)

THE SI JOINT: THE SPINE ORPHAN?

Vikas PATEL (UNITED STATES)

SPINAL STENOSIS: A NATURAL PHENOMENON OF AGING; WHEN AND HOW TO TREAT

Jae-Yoon CHUNG (SOUTH KOREA)

CASE PRESENTATIONS

Osahiko TSUJI (JAPAN)

DISCUSSION & QUESTIONS

10:00 - 10:30

Break

10:30 - 12:00

Free Papers – Cartilage in Sports Medicine

Moderators:

Mohamed SUKEIK (UNITED KINGDOM), Peter YAU (HONG KONG)

- 46775 MESENCHYMAL STEM CELLS AUTOLOGOUS TRANSPLANTATION FOR REGENERATIVE RESTORATION OF LOCAL FULL THICKNESS KNEE CARTILAGE INJURY: 2 YEARS' CLINICAL RESULTS**
Dzmitry BUKACH (BELARUS)

- 47877 **THE LIPO-AMIC: SURGICAL TECHNIQUE AND FIRST PATIENTS REPORT OF AN ADVANCED CARTILAGE REPAIR PROCEDURE**
Fabio Valerio SCIARRETTA (ITALY)
- 48139 **SURGICAL TREATMENT OF PATIENTS WITH ISOLATED OSTEOCHONDRAL DEFECTS OF THE KNEE JOINT ASSOCIATED WITH VARUS DEFORMITY**
Victor VOLOSHIN, Dmitry MURIN, Saravanan SANKARANARAYANAN ARUMUGAM, Lev SHERMAN, Tatyana BEZUGLOVA (RUSSIA)
- 47317 **ALLTHROUGH SCOPIC REDUCTION AND FIXATION WITH FLOUROSCOPIC CONFIRMATION OF DEPRESSED TIBIAL PLATEAU FRACTURES**
Ahmed GAD (EGYPT)
- 46379 **PATELLA FEMORAL ARTICULAR CARTILAGE LESIONS IN 700 KNEE ARTHROSCOPIES**
Hasan BOMBACI, Suavi AYDOGMUS (TURKEY)
- 48757 **CHONDROTISSUE: IS IT A SOLUTION FOR CHONDRAL LESIONS?**
Mohammed ELRAKAYBI (SAUDI ARABIA)
- 48209 **THE ASSOCIATION OF ATHLETE'S FEAR AVOIDANCE WITH PHYSICAL FUNCTION AND PAIN INTENSITY**
Stefan Franz FISCHERAUER¹, Mojtaba TALAEI-KHOEI², Rens BEXKENS³, David RING², Luke OH², Ana-Maria VRANCEANU²
¹(AUSTRIA), ²(UNITED STATES), ³(NETHERLANDS)
- 48504 **NON-SURGICAL AND SURGICAL TREATMENT OF PROXIMAL HAMSTRING AVULSIONS**
Elsa PIHL (SWEDEN)
- 47494 **NASAL CHONDROCYTES-BASED ENGINEERED AUTOLOGOUS CARTILAGE TISSUE FOR THE REPAIR OF ARTICULAR CARTILAGE DEFECTS: AN OBSERVATIONAL FIRST-IN-HUMAN TRIAL**
Geert PAGENSTERT, Marcus MUMME, Andrea BARBERO, Ivan MARTIN, Marcel JAKOB (SWITZERLAND)
- 47030 **SURGICAL REPAIR OF PROXIMAL AVULSION OF THE RECTUS FEMORIS MUSCLE IS ASSOCIATED WITH A PREDICTABLE RETURN TO HIGH-LEVEL**
Rosamond TANSEY, Jurek PIETRZAK, Sujith KONAN, Haddad FARES (UNITED KINGDOM)
- 48756 **ADIPOSE DERIVED STEM CELLS VS. FK506 ENHANCED PERIPHERAL NERVE REGENERATION – EXPERIMENTAL STUDY IN A RAT MODEL**
Andreas MAVROGENIS, Panayiotis MEGALOIKONOMOS, Georgios PANAGOPOULOS, Myrto BAMI, Mandy MILONAKI, Georgios AGROGIANNIS, Evanthia MITSIOKAPA (GREECE)



Saturday, 2 December

Room 1.63

08:00 - 10:00 **Symposium – Update in Medicolegal Issues**

Moderators:

Tony BIRRELL (UNITED KINGDOM), Andrew QUAILE (UNITED KINGDOM)

INTRODUCTION AND AIMS

Andrew QUAILE (UNITED KINGDOM)

LOCAL CONDITIONS FOR SOUTH AFRICA – STANDARD OF EVIDENCE

Tony BIRRELL (UNITED KINGDOM)

WRITING A GOOD REPORT IMPAIRMENT RATINGS / ABNORMAL ILLNESS BEHAVIOUR / STICKING TO EXPERTISE

Vikas KHANDUJA (UNITED KINGDOM)

HOW TO AVOID BEING SUED / CONSENT / COMMUNICATION / RECORDS / MONTGOMERY

Ian LESLIE (UNITED KINGDOM)

GIVING EVIDENCE / CAUSATION / MEETINGS OF EXPERTS / BARRISTER'S MEETINGS

Andrew QUAILE (UNITED KINGDOM)

LEGAL TESTS IN MEDICOLEGAL REPORTS / BOLAM+BOLITHO / STANDARD OF EVIDENCE / ADVANCEMENT / EXACERBATION

Marc PATTERSON (UNITED KINGDOM)

QUESTIONS & DISCUSSION

10:00 - 10:30 *Break*

10:30 - 12:00 **Free Papers – Developing World**

Moderators:

John DORMANS (UNITED STATES), Deven TANEJA (INDIA)

48368 USE OF CHARLSON'S CO-MORBIDITY INDEX IN PREDICTING ONE-YEAR MORTALITY IN ELDERLY HIP FRACTURE PATIENTS: A PROSPECTIVE STUDY IN SECONDARY CARE HOSPITAL

Jayasankar VISWANATH, Perur JAYASANKAR (INDIA)

- 48440 NATIONWIDE TRENDS ON AWARENESS AND ATTITUDES TOWARD RADIATION RISKS IN ORTHOPAEDIC RESIDENCY TRAINING**
Lawrence LAO, Mamer ROSARIO (PHILIPPINES)
- 47672 CHRONIC OSTEOMYELITIS: TREATMENT WITH LOCAL STERILE AND RESORBABLE BEADS OF PLASTER OF PARIS EMBEDDED WITH ANTIBIOTICS AS ADJUVANT TO SURGERY**
Innocent NYARUHIRIRA¹, Jean De La Croix INGABIRE², Olivier VANDENBERG¹, Renaud BAILLON¹
¹(BELGIUM), ²(RWANDA)
- 46311 LARGE BONE DEFECTS TREATED WITH INDUCED BIOMEMBRANE TECHNIQUE – A CASE SERIES**
Hitesh DAWAR, Suryakant SINGH, Surbhit RASTOGI, Deepak RAINA (INDIA)
- 48004 TREATMENT OF TIBIAL SHAFT FRACTURE BY CLOSE REDUCTION AND INTERNAL FIXATION (CRIF) WITH INTER-LOCKING NAIL (ILN) WITHOUT HELP OF IMAGE (C-ARM OR X-RAY)**
M. Myen Uddin MOZUMDER, Arunava CHOWDHURY, Mohammad MUHSIN (BANGLADESH)
- 47885 COMPARISON OF HARDWARE BATTERY DRILL AND ORTHOPAEDIC BATTERY DRILL FOR SLIDING HIP SCREW FIXATION IN INTERTROCHANTERIC FRACTURES**
Satish Kumar BRJ (INDIA)
- 47778 DEVELOPING A TRAUMA SERVICE – CHALLENGES AND TIPS**
Ivan GEROV, Nikolai UZUNOV (BULGARIA)
- 46977 TRADITIONAL METHODS OF CONSERVATIVE MANAGEMENT OF FRACTURES AS A HURDLE IN PROVIDING COMPLETE FUNCTIONALITY TO THE PATIENT IN THE DEVELOPING WORLD**
Anmol Shiv ARORA, Manish Kumar SHARMA, Samrat SMRUTIRANJAN SAHOO, Sunil Kumar DASH, Manoj MADINI, Saswat SAMANT, Sanket MISHRA, Lalit DAS (INDIA)



Saturday, 2 December

Room 1.64

08:00 - 10:00

Short Free Papers – Hip

Moderators:

Darius GOURAN SAVADKOOHI (IRAN), Dick Ronald VAN DER JAGT (SOUTH AFRICA)

- 48744 CARTILAGE REPAIR TECHNIQUES FOR THE CHONDRAL INJURY IN THE HIP – SYSTEMATIC REVIEW**
Naoki NAKANO¹, Chetan GOHAL², Andrew DUONG², Natalie KUURSTRA², Femi AYENI², Vikas KHANDUJA¹
¹(UNITED KINGDOM), ²(CANADA)
- 48542 HIP ARTHROSCOPY IN FEMORAL ACETABULAR IMPINGEMENT: IMPROVED FUNCTIONAL OUTCOME AT 5 YEARS' FOLLOW-UP**
Rosamond TANSEY, Tony FAYAD, Sujith KONAN, Fares HADDAD (UNITED KINGDOM)
- 47141 TREATMENT OF AVN USING THE CHAMBER INDUCTION TECHNIQUE AND BIOTECHNOLOGIES**
Giorgio Maria CALORI, Massimiliano COLOMBO, Emilio Luigi MAZZA, Alessandra COLOMBO, Simone MAZZOLA, Fabio ROMANÒ, Fabio GIARDINA (ITALY)
- 46357 A COMPARATIVE STUDY BETWEEN REPAIRING AND NON-REPAIRING OF SOFT TISSUE IN TOTAL HIP ARTHROPLASTY BY POSTERIOR APPROACH**
Darius GOURAN SAVADKOOHI, Babak SIAVASHI, Ehsan PENDAR, Arash AALIREZAEI (IRAN)
- 46781 LATERAL APPROACH VS. ANTERIOR APPROACH IN TOTAL HIP JOINT – GAIT ANALYSIS EVALUATION**
Francesco BOVE, Gabriele BOVE, Giorgio BOVE (ITALY)
- 46665 NATIONAL SCREENING FOR DDH IN LIBYA**
Mohamed RASHED, Ali ZAWAWI, Turkia AL ROK (LIBYA)
- 47391 PERIACETABULAR OSTEOTOMY FOR SEVERE HIP DYSPLASIA IN CHARCOT-MARIE-TOOTH DISEASE**
Minne HEEG (NETHERLANDS)
- 47376 COMPUTED TOMOGRAPHY IN THE ASSESSMENT OF CLOSED REDUCTION IN DEVELOPMENTAL DISLOCATION OF THE HIP**
Khaled EL ADWAR, Hesham KOTB, Amin ABD EL-RAZEK, Mohammed ABDELKAREEM (EGYPT)

- 48434 COMPARISON OF FEMORAL LENGTH IN UNILATERAL HIGH RIDING DEVELOPMENTAL DYSPLASIA OF THE HIP: AVOID LIMB LENGTH DISCREPANCY AFTER HIP ARTHROPLASTY**
Kaveh GHARANIZADEH, Karim PISOODEH, Mansour ABOLGHAHEMIAN (IRAN)
- 48711 ACCURATE LEG LENGTH CORRECTION FOLLOWING TOTAL HIP ARTHROPLASTY UTILISING A VERTICAL MEASUREMENT SYSTEM AND SMARTPHONE BASED APPLICATION**
Tim SLUIS CREMER, Garth GROBLER, Brendan DOWER, Mark NORTJE (SOUTH AFRICA)
- 47307 WHAT IS THE OPTIMAL TARGET ZONE FOR HIP GEOMETRY RECONSTRUCTION TO IMPROVE OUTCOME FOLLOWING TOTAL HIP ARTHROPLASTY?**
Christian MERLE¹, Moritz INNEMANN¹, Marcus STREIT¹, Michael MAIER¹, Peter ALDINGER¹, George GRAMMATOPOULOS², Tobias GOTTERBARM¹
¹(GERMANY), ²(UNITED KINGDOM)
- 47483 HIGH REVISION RATE OF THE REJUVENATE MODULAR NECK FEMORAL STEM AT 3-5 YEARS' FOLLOW-UP**
Morteza MEFTAH, Derek BERNSTEIN, Stephen INCAVO (UNITED STATES)
- 47493 CEMENTED OR CEMENTLESS TOTAL HIP ARTHROPLASTY: HOW TO MAKE THE RIGHT CHOICE?**
Kepa IGLESIAS, Pierre-Olivier PINELLI, Jean-Noel ARGENSON (FRANCE)
- 48715 RISK FACTORS FOR EARLY REVISION AFTER TOTAL HIP AND KNEE ARTHROPLASTY**
Sunny PARIKH (UNITED KINGDOM)
- 47875 THE EFFECT OF TIME INTERVAL AFTER ACCIDENT ON CLINICAL OUTCOME AFTER HIP FRACTURE SURGERY**
Harald K. WIDHALM, Julia SCHMIDRATHNER, Martin RESCHL (AUSTRIA)
- 47269 MID-TERM RESULTS OF OPEN DEBRIDEMENT FOR LABRAL TEAR USING ANTEROLATERAL APPROACH WITH A MINI-INCISION**
Kyu-Jin CHO, Kyung-Soon PARK, Taek-Rim YOON (SOUTH KOREA)
- 47863 CHALLENGES AND EARLY OUTCOME OF TOTAL HIP REPLACEMENT SURGERY IN SICKLE CELL DISEASE PATIENTS**
Udo Ego ANYAEHIE, Cajetan Uwatoronye NWADINIGWE, Gabriel Okey EYICHUKWU, Amaechi Uchenna KATCHY, Henry Chinedu EKWEDIGWE (NIGERIA)
- 47517 DIRECT ANTERIOR VS. LATERAL APPROACH FOR TOTAL HIP ARTHROPLASTY**
Anton PLAKSEYCHUK, Timothy LEVISON, Elizabeth PLAKSEYCHUK (UNITED STATES)

- 47802 MINI-NUTRITIONAL ASSESSMENT AND VITAMIN D STATUS IN PERIPROSTHETIC FEMUR FRACTURES**
Thando NCUBE (SOUTH AFRICA)
- 47896 CLINICAL OUTCOMES AFTER ARTHROSCOPIC ILIOPSOAS RELEASE**
Ahmed ABDELAZEEM, Mohamed GHANEM, Ahmed RABIE, Mahmoud ABDEL KARIM, Khaled KADER (EGYPT)
- 46333 VIABILITY AND TISSUE QUALITY OF CARTILAGE FLAPS FROM PATIENTS WITH FEMOROACETABULAR HIP IMPINGEMENT: COMPARISON WITH MATCHED CONTROLS**
Cecilia PASCUAL-GARRIDO, Jorge CHAHLA, Francisco RODRIGUEZ-FONTAN, Karin PAYNE (UNITED STATES)
- 46387 THE SAFETY OF AIR ARTHROGRAPHY IN INTRA-ARTICULAR HIP INJECTIONS**
K.T. Matthew SEAH, Tho PHAM, Vikas KHANDUJA (UNITED KINGDOM)

10:00 - 10:30 *Break*

10:30 - 12:00 **Short Free Papers – Knee**

Moderators:

Andre PEACH (SOUTH AFRICA), Manuj WADHWA (INDIA)

- 48811 REDUCTION OSTEOTOMY OF THE PROMINENT TIBIAL TUBERCLE AFTER OSGOOD-SCHLATTER'S DISEASE**
Geert PAGENSTERT, Lukas HUBER, Markus WURM, Christian EGLOFF (SWITZERLAND)
- 47559 EARLY CLINICAL RESULTS OF ABDOMINAL SUBCUTANEOUS ADIPOSE TISSUE-DERIVED MESENCHYMAL STEM CELL (ADMSC) INJECTION FOR KNEE OSTEOARTHRITIS**
Cengiz SEN, Yavuz SAGLAM (TURKEY)
- 47853 DOES KNEE SIZE AFFECT THE RELIABILITY OF TIBIAL TUBERCLE-TROCHLEAR GROOVE MEASUREMENTS USING CT SCAN?**
Jacques HERNIGOU, Esfandiar CHAHIDI, Eric MOEST, Antoine CALLEWIER, Olivier BATH (BELGIUM)
- 46927 MANAGEMENT OF KNEE FLEXION CONTRACTURE IN HAEMOPHILIA WITH ILIZAROV TECHNIQUE AND PASSIVE MOTION**
Jiliang ZHAI, Xisheng WENG, Baozhong ZHANG, Bin FENG, Yanyan BIAN (CHINA)

- 48501 COMPARISON BETWEEN IN VIVO KINEMATIC ANALYSIS OF TOTAL KNEE REPLACEMENT AND UNICOMPARTMENTAL KNEE REPLACEMENT IN INDIAN PATIENTS**
Naman WAHAL, Rajesh MALHOTRA, Vijay KUMAR, Sahil BATRA, Deep SRIVASTAVA, Hemant PANDIT (INDIA)
- 47819 TOTAL KNEE REPLACEMENT – DOES TOURNIQUET USE AFFECT EARLY REHABILITATION AND LENGTH OF STAY?**
Giri SITARAM, Serajdin AJNIN, Mahesh THIBAI AH (UNITED KINGDOM)
- 46555 TOTAL KNEE POSTOPERATIVE BLOOD LOSS MANAGEMENT – MIS VS. STANDARD AND TRANEXAMIC VS. NON-TRANEXAMIC ACID PERIOPERATIVE USAGE COMPARISON**
Boris ZULJ, Sasa RAPAN, Dejana KRNJETA, Zoran ZELIC, Vjekoslav KOLAREVIC, Wertheimer VJEKOSLAV (CROATIA)
- 46469 THE EFFECT OF ORAL TRANSEXAMIC ACID ON POST-OPERATIVE KNEE ARTHROPLASTY PATIENTS: A PROSPECTIVE RANDOMISED CONTROL TRIAL**
Ciaran MCDONALD, Iain FEELEY, Sheehan EOIN (IRELAND)
- 46870 THE ROTATIONAL MISMATCH BETWEEN FEMORAL AND TIBIAL COMPONENTS AFTER TOTAL KNEE ARTHROPLASTY WITH RANAWAT FEMORAL CUTTING BLOCK**
Masaki MIZUSHIMA (JAPAN)
- 47698 RETURN TO SPORT POST KNEE REPLACEMENT: EBM**
Francesco PISANU, Andrea DONATO, Roberto PINNA NOSSAI, Emanuele CIURLIA (ITALY)
- 48823 LONG-TERM OUTCOME OF KNEE ARTHROPLASTY IN PATIENTS UP TO 40 YEARS OF AGE**
Kevin SYAM¹, Akash SARAOGI², Naveen LOKIKERE¹, Rebecca LAFFERTY¹, Siney PAUL¹, Hajime NAGAI¹, Videsh RAUT¹, Nikhil SHAH¹, Martyn PORTER¹, Peter KAY¹, George PAVLOU¹
¹(UNITED KINGDOM), ²(INDIA)
- 46771 PROCALCITONIN – THE ENIGMA IN PROSTHETIC JOINT INFECTIONS**
M. Buhary KIZHER SHAJAHAN, Khye Soon Andy YEW, Hee Nee PANG, Keng Jin Darren TAY, Shi Lu CHIA, Ngai Nung LO, Seng Jin YEO (SINGAPORE)
- 46334 TWO-STAGE REVISION FOR INFECTED TOTAL KNEE ARTHROPLASTY: BASED ON AUTOCLAVING THE FEMORAL COMPONENT AND INTRAOPERATIVE MOLDING USING ANTIBIOTIC-IMPREGNATED CEMENT ON THE TIBIAL SIDE**
Hee-Soo KYUNG, Hee-June KIM, Chang-Wug OH (SOUTH KOREA)
- 48328 THE FIRST WORLDWIDE SURVEY ON SURGEON PREFERENCES IN THE MANAGEMENT OF STIFFNESS FOLLOWING TOTAL KNEE ARTHROPLASTY – A SURVEY OF SICOT MEMBERS**
Karadi SUNIL KUMAR, Georgios MAMARELIS, Vikas KHANDUJA (UNITED KINGDOM)