Scientific Programme

9th SICOT Educational Day | Wednesday, 4 December | Grand Ballroom Hall A1

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Instructional Course — Dry Shoulder Arthroscopy Lab ................. 8

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  - Free Paper Session — Sports Medicine 3

- **10:30 - 12:00**
  - **SICOT Instructional Symposium** — Paediatric Orthopaedics

- **14:00 - 15:30**
  - **Partnership Symposium** — ASAMI & Hull Deformity: Consequences of Growth Plate Arrest

- **16:00 - 17:30**
  - **Free Paper Session** — Paediatrics 3

### MSF / Sports Medicine

- **07:30 - 08:00**
  - Free Paper Session — Médecins-Sans-Frontières Symposium

- **08:00 - 10:00**
  - Free Paper Session — Sports Medicine 4

- **10:30 - 12:00**
  - **SICOT Instructional Symposium** — My Favourite ACL Reconstruction

- **14:00 - 15:30**
  - **SICOT Instructional Symposium** — Advances in Arthroscopic Management of Hip and Knee Injuries

- **16:00 - 17:30**
  - **Free Paper Session** — Sports Medicine 4

### Microsurgery / Shoulder & Elbow

- **07:00 - 08:00**
  - Free Paper Session — What’s New in Chinese Microsurgery

- **08:00 - 10:00**
  - Free Paper Session — Shoulder & Elbow 1

- **10:30 - 12:00**
  - **SICOT Instructional Symposium** — Shoulder and Elbow Arthroscopy

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- **16:00 - 17:30**
  - **Free Paper Session** — Shoulder & Elbow 2

### Infections

- **08:00 - 10:00**
  - Free Paper Session — Infections 1

- **10:30 - 12:00**
  - **SICOT Instructional Symposium** — Periprosthetic Infection and Post-Traumatic Infection (II)

- **14:00 - 15:30**
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<td>Free Paper Session — Knee 4</td>
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<td>08:00</td>
<td>Partner Society Symposium — WAIOT: Clinical Pathways and MS in</td>
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<td>the Middle East and Surrounding Countries (I)</td>
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<td>10:30</td>
<td>SICOT Instructional Symposium — Outpatient Total Joint Arthroplasty:</td>
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<td>08:00</td>
<td>Paediatrics / Trauma</td>
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<td>08:00</td>
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<td>Developing World</td>
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<td>10:30</td>
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<td>Just-A-Minute Papers</td>
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<td>Just-A-Minute Paper Session 3</td>
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<td>15:30</td>
<td>LIVE OPERATION VIDEO: Stem Cell Therapy for Arthritis and Spinal Cord</td>
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<td>Just-A-Minute Paper Session 4</td>
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### Basic Science (07:50 - 08:50)

**Moderator: Arindam BANERJEE EE (INDIA)**

- **07:50** Introduction and welcome
  Fatih KUCUKDURMAZ (TURKEY)

- **08:00** YSC and its activities
  Mohamed SUKEIK (SAUDI ARABIA)

- **08:10** Basic science of fracture healing and fixation
  Arindam BANERJEE (INDIA)

- **08:20** Integrated hip fracture care pathway
  Paolo FALASCHI (ITALY)

- **08:30** Fixation materials and designs
  Shantharam SHETTY (INDIA)

- **08:40** Damage control orthopaedics
  Hans-Christoph PAPE (SWITZERLAND)

### Special Considerations (08:50 - 09:45)

**Moderator: Khaled EMARA (EGYPT)**

- **08:50** Wound care
  Khaled EMARA (EGYPT)

- **09:00** Open fractures
  Shanmuganathan RAJ ASEKARAN (INDIA)

- **09:10** Pathologic fractures
  Bulent EROL (TURKEY)

- **09:20** Fragility fractures
  Marc HANSCHEN (GERMANY)

- **09:30** Interactive case discussion
  Bulent EROL (TURKEY)

### Fractures around the Upper Limb (09:55 - 11:05)

**Moderator: Peter YAU (HONG KONG)**

- **09:55** Fracture clavicle and acromioclavicular joint injury: controversies in management
  Graham TYTHERLEIGH-STRONG (UNITED KINGDOM)

### Fractures around the Lower Limb (09:55 - 11:05)

**Moderator: Peter YAU (HONG KONG)**

- **10:05** Proximal humeral fracture I: when to fix and how to fix
  W Jaap WILLEMRS (NETHERLANDS)

- **10:15** Proximal humeral fracture II: when to consider replacement? Hemi-, total or reverse
  Nuri AYDIN (TURKEY)

- **10:25** Fracture humeral shaft and distal humerus: conventional versus minimal invasive approach
  Lee VAN RENSBURG (UNITED KINGDOM)

- **10:35** Fracture radial head, fracture olecranon and elbow dislocation: how to avoid complications
  In-Ho J EON (SOUTH KOREA)

- **10:45** Forearm and distal radius fractures: how I treat these fractures
  Christian FANG (HONG KONG)

- **10:55** Hand and wrist fracture: principle of management
  Margaret FOK (HONG KONG)

- **11:05** Interactive case discussion
  Christian FANG (HONG KONG)

### Fractures around the Lower Limb (I) (11:30 - 12:25)

**Moderator: Peter YAU (HONG KONG)**

- **11:30** Intertrochanteric and subtrochanteric fractures
  James WADDELL (CANADA)

- **11:40** Femoral neck fractures
  James WADDELL (CANADA)

- **11:50** Femoral shaft and distal femur fractures
  Rafid AL ADHAB (IRAQ)

- **12:00** Patella fractures
  To be announced

- **12:10** Interactive case discussion
  To be announced

### Fractures around the Lower Limb (II) (13:30 - 14:25)

**Moderator: Peter YAU (HONG KONG)**

- **13:30** Proximal tibia fractures
  Rene VERDONK (BELGIUM)

- **13:40** Tibial shaft and distal tibia fractures
  Vijay SHETTY (INDIA)

- **13:50** Ankle fractures and dislocations
  Sethu RAMANATHAN (OMAN)

- **14:00** Foot fractures and dislocations
  Mohamed FADEL (EGYPT)

- **14:10** Interactive case discussion
  Rene VERDONK (BELGIUM)
### Spine, Pelvis and Acetabulum

**Moderator:** Azmi HAMZAOGLU (TURKEY)

- **14:40** Principles of management of fractures around the spine
  Azmi HAMZAOGLU (TURKEY)
- **14:50** Cervical spine fractures
  Cengiz ISIK (TURKEY)
- **15:00** Thoracic and lumbar spine fractures
  Efe Levent ARAS (DENMARK)
- **15:10** Sacrum fractures
  Ghazwan HASAN (IRAQ)
- **15:20** Interactive case discussion
  Cengiz ISIK (TURKEY)
- **15:35** Break
- **15:45** Pelvic ring injuries
  Aju BOSCO (INDIA)
- **15:55** Acetabular fractures
  Mohamed SUKEIK (SAUDI ARABIA)
- **16:05** Polytrauma patients
  Peter BIBERTHALER (GERMANY)
- **16:15** Interactive case discussion
  James POWELL (CANADA)

### Complications

**Moderator:** Fatih KUCUKDURMAZ (TURKEY)

- **16:45** Infection management
  Oliver MARIN-PENA (SPAIN)
- **16:55** Compartment syndromes
  Cihangir TETIK (TURKEY)
- **17:05** Delayed and nonunion
  Ahmed ABDELAZEEM (EGYPT)
- **17:15** Venous thromboembolic event
  Fahad HOSSAIN (UNITED KINGDOM)
- **17:25** Innovations and new technologies in trauma
  Fuat AKPINAR (TURKEY)
- **17:35** Interactive case discussion
  Fatih KUCUKDURMAZ (TURKEY)
- **17:50** Final remarks
13:30 - 15:00
Priority of Care of Multiply Injured Patients

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

13:30  Damage control surgery
Hans-Christoph PAPE (SWITZERLAND)

13:45  Management of polytrauma patients in ICU
Ruben PERALTA (QATAR)

14:00  Which spinal fractures require emergency surgery?
Shanmuganathan RAJASEKARAN (INDIA)

14:15  Stabilization of hemodynamically unstable patients with pelvic injuries
Cyril MAUFFREY (UNITED STATES)

14:30  Case session II
Jordan SAVESKI (MACEDONIA)

15:30 - 16:20
Video Session

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

15:30  Video session: Pelvic packing
Cyril MAUFFREY (UNITED STATES)

16:00  Case session III
Hans-Christoph PAPE (SWITZERLAND)

16:30 - 17:50
Reconstruction and Outcome

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

16:30  Soft-tissue management/Ganga Open Injury Severity Score
Shanmuganathan RAJASEKARAN (INDIA)

16:45  Amputation versus reconstruction
Boris ZELLE (UNITED STATES)

17:00  Treatment of bone defects
Gerolt J UEKEMA (SWITZERLAND)

17:15  Objective outcome after polytrauma
Roman PFEIFER (SWITZERLAND)

17:30  Discussion of practical exercise
Roman PFEIFER (SWITZERLAND)

17:45  Final remarks on Polytrauma Course
Hans-Christoph PAPE (SWITZERLAND)

Dry Shoulder Arthroscopy Labs | Wednesday, 4 December | Meeting Room 10+11

08:00 - 10:30
Instructional Course – Dry Shoulder Arthroscopy Lab

Instructors: Ahmed KANDIL (EGYPT), Mohamed SOBY (EGYPT), Mert Osman TOPKAR (TURKEY)

08:00  Lecture: Portals and arthroscopic anatomy
08:10  Lecture: Bankart repair technique
08:20  Lecture: Cuff repair technique
08:30  Lecture: Tips and tricks to avoid complications
08:40  Hands-on skill training

(This session is repeated as above on 6 December)

14:00 - 16:30
Instructional Course – Dry Shoulder Arthroscopy Lab

Instructors: Ahmed KANDIL (EGYPT), Karadi Hari Sunil KUMAR (UNITED KINGDOM), Nuri AYDIN (TURKEY), Turab SYED (UNITED KINGDOM)

14:00  Lecture: Portals and arthroscopic anatomy
14:10  Lecture: Bankart repair technique
14:20  Lecture: Cuff repair technique
14:30  Lecture: Tips and tricks to avoid complications
14:40  Hands-on skill training

(This session is repeated as above on 6 December)

Knee-Shoulder Cadaver Lab | Wednesday, 4 December | Sultan Qaboos University Hospital

08:00 - 12:00
Instructional Course – Knee Arthroscopy Cadaver Lab

Instructors: James LOH (SINGAPORE), Luis J ORDAO (BRAZIL), Fernando ROSA (BRAZIL), Mohamed ABO ELNOUR (EGYPT)

Advancements in ACL reconstruction: grafts, tunnels and fixation
Primary ACL repair
PCL reconstruction: all-inside versus open tunnel
MCL repair and posterolateral corner reconstruction
ALL reconstruction techniques *(time allowing)*
Meniscal repair: inside-out, all-inside and outside-in, meniscal root repair
MPFL reconstruction
Femoral trochleoplasty *(limited stations only; time allowing)*

(This session is repeated as above on 5 and 6 December)

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**Instructional Course** – Shoulder Arthroscopy Cadaver Lab

Moderator: Ayman AL-AMRY (OMAN), Gabriel RIFFEL (BRAZIL)
Instructors: Raed ABU TALEB (SAUDI ARABIA), Gabriel RIFFEL (BRAZIL)

- Subacromial decompression
- SLAP repair
- Bankart repair
- Biceps tenodesis
- Rotator cuff repair
- Superior capsular reconstruction
- SSN decompression (tunnel and notch)
- Latarjet

(This session is repeated as above on 5 and 6 December)

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**Instructional Course** – Knee Arthroscopy Cadaver Lab

Moderators: Tim DEAKON (CANADA), Sultan AL-MASKARI (OMAN), Fernando ROSA (BRAZIL)
Instructors: Fernando ROSA (BRAZIL), Luis J ORDAO (BRAZIL), Tim DEAKON (CANADA), Stephen MCDONNELL (UNITED KINGDOM)

- ACL reconstruction: grafts, tunnels and fixation
- Primary ACL repair
- PCL reconstruction: all-inside versus open tunnel
- MCL reconstruction and posterolateral corner reconstruction
- ALL reconstruction
- Meniscal repair: inside-out, all-inside and outside-in, meniscal root repair
- MPFL reconstruction

(This session is repeated as above on 5 and 6 December)
### Plenary Session 1

12:00 Introduction to the Scientific Programme
Vikas KHANDUJA (UNITED KINGDOM)

Moderators: John DORMANS (UNITED STATES), Phillipe HERNIGOU (FRANCE)

12:05 The SIGN model for treating fractures in LMIC works
Lewis ZIRKLE (UNITED STATES)

Moderators: James WADDELL (CANADA), Ashok JOHARI (INDIA)

12:35 Patient specific orthopaedics: theory and practice
Mahmoud HAFEZ (EGYPT)

### SICOT Instructional Symposium — Open Fractures and Compartment Syndrome: An Update

Moderator: Boris ZELLE (UNITED STATES)

14:00 Use of the Ganga Hospital Score for open fractures
Devendra AGRAHARAM (INDIA)

14:10 Debate: Acute compartment syndrome — I rely on data!
Frankie Ka Li LEUNG (HONG KONG)

14:25 Debate: Acute compartment syndrome — a clinical look is more important
Reinhard SCHNETTLER (GERMANY)

14:40 My approach to soft-tissue damage and soft-tissue loss in open fractures
Michel TEUBEN (SWITZERLAND)

14:50 How I deal with delayed presentation
Boris ZELLE (UNITED STATES)
Fractures, soft tissue injuries, bone defects: current proceedings
Gerrolt Nico J UKEMA (SWITZERLAND)

15:10 Pathophysiology/diagnosis of compartment syndrome
Edward HARVEY (CANADA)

15:20 Case based lecture and podium discussion
Dariush SAVADKOOGI (IRAN)

Hip | Thursday, 5 December | Grand Ballroom Hall A1

08:00 - 10:00
Free Paper Session — Hip 1

Moderators: Andre FERREIRA (FRANCE), Oliver MARIN-PENA (SPAIN)

08:00 Keynote lecture: Robotics in arthroplasty: is this the moment?
Fares HADDAD (UNITED KINGDOM)

08:15 Direct anterior approach is safe for revision total hip arthroplasty
Zachary POST, Andres DUQUE, Luis GRAU, Fabio OROZCO, David LE, Danielle FONZIO, Alvin ONG (UNITED STATES)

08:23 Clinical evaluation conversion total hip arthroplasty from pedicled vascularized iliac bone graft transfer
Liangliang CHENG, Hui XIE, Wang BENJIE (CHINA)

08:31 Outcomes of cement in cement revision in revision total hip arthroplasty
Abhinandan KOTIAN1, Abhijeet KUMAR2
1(UNITED KINGDOM), 2(INDIA)

08:39 Total hip arthroplasty after failure of acetabular fractures fixation
J atinder Singh LUTHRA, Suwailim AL GHANAMI (OMAN)

08:47 Managing dislocations following hip arthroplasty
Laszlo BUCSI, Kristof JÁNVÁRI (HUNGARY)

08:55 Dual mobility cups for recurrent THA dislocation
Afshin TAHERIAZAM, Farshad SAFDARI (IRAN)

09:03 Total hip arthroplasty: evolution of the use of dual mobility cups in Lebanon
Chahine ASSI1, Jad MANSOUR1, Jacques CATON2, Camille SAMAH2, Kaisar YAMMINE2
1(LEBANON), 2(FRANCE)

09:11 Metallosis due to titanium taper wear in 36 ceramic-on-ceramic total hip arthroplasty causing early implant loosening and revision surgery
J ens G BOLDT (SWITZERLAND)

09:19 Pseudotumours in small-head metal-on-metal total hip arthroplasties at a minimum follow-up of 20 years: a concise follow-up of a previous report
Richard LASS, Paul KOLBITSCH, Iris NÖBAUER, Alexander GIUREA, Bernd KUBISTA, Reinhard WINDHAG (AUSTRIA)

09:27 Our experience of treatment of Bürch-Schneider anti-protrusio cage
Yoshinori SANO (J APAN)

09:35 Peri-prosthetic fracture following cemented collarless polished taper stem: incidence and risk factors in over 2500 cases at maximum 14 years
Ahmed MAGAN, Stephen J ONES (UNITED KINGDOM)

09:43 Interprosthetic femoral sleeves in revision arthroplasty
Husseln ABDELAZIZ, Christian LAUSMANN, Hans MAU, Thorsten GEHRKE, Mustafa CITAK (GERMANY)

09:51 Reoperation after elective total hip replacement: do reoperations influence the relative survival and is the relative survival diagnosis-specific?
Peter huayamave, Erik BÜLOW, Sziard NEMES, Yosef TYSON, Maziar MOHADDES, Ola ROLFSON (SWEDEN)

10:30 - 12:00
SICOT Instructional Symposium — Hip Preservation

Moderators: Vikas KHANDUJA (UNITED KINGDOM), Danyal NAWABI (UNITED STATES)

10:30 Clinical features of a young adult with hip pain
Ajay MALVIYA (UNITED KINGDOM)

10:40 What can you read on a plain radiograph?
Oliver MARIN-PENA (SPAIN)

10:50 Rotational deformities and how they affect outcomes
Tony ANDRADE (UNITED KINGDOM)

11:00 Current concepts in the management of FAI
Danyal NAWABI (UNITED STATES)

11:10 Current concepts in the management of hip dysplasia
J ames POWELL (CANADA)

11:20 Video: Labral repair
Tony ANDRADE (UNITED KINGDOM)

11:30 Video: CAM osteochondroplasty
Oliver MARIN PEN (SPAIN)

11:40 Video: Subspine decompression with labral refixation and labral reconstruction
Danyal NAWABI (UNITED STATES)

11:50 Discussion

12:30 - 14:00
Industry-Sponsored Session

14:00 - 15:30
Partner Society Symposium — American Hip Society: Orthopaedic Infections - Recent Developments and an Update

Moderator: Javad PARVIZI (UNITED STATES)

14:00 Prevention of orthopaedic infections: my ten-step approach
J ames WADDELL (CANADA)

14:08 Five decades of experience in reimplantation of the infected THR at Hospital for Special Surgery, NY
Eduardo SALVATI, Alberto CARLI (UNITED STATES)

14:16 Diagnosis of orthopaedic infections: challenges and innovations
Javad PARVIZI (UNITED STATES)

14:24 Treatment of acute PJ
To be announced
14:32 Treatment of chronic PJI: two stage
  Amar RANAWAT (UNITED STATES)
14:40 Treatment of chronic PJI: one stage
  Fares HADDAD (UNITED KINGDOM)
14:48 Discussion

16:00 - 17:30

Free Paper Session — Hip 2

Moderators: Laszlo BUCSI (HUNGARY), Satish KUTTY (UNITED KINGDOM)

16:00 Management of acetabular fractures
  Abdeljaoaud NAJ IB (MOROCCO)

16:08 Neck of femur fractures: is our consent adequate?
  Robert WHITHAM, Hammad PARWAIZ, Alexander TAYLOR, Harold AXEHURST, Matthew FLINTOFF-BURT, Alexander ASHMORE (UNITED KINGDOM)

16:16 Improving outcomes for proximal femoral fragility fractures: the importance of a multifactorial approach
  Epaminondas VALSAMIS, David RICKETTS, Matthew WHITE, Benedict ROGERS (UNITED KINGDOM)

16:24 Prediction of the delayed healing in the bisphosphonate atypical femur fracture by APJU score
  Yangguan WU, David J OSEPH, Vinay SIDDAPPA, Rohit HASJI A, Vinayak PERAKE, Richard GHILLANI (UNITED STATES)

16:32 Do conservatively managed hip fractures have a higher mortality rate?
  Cheryl Marise Peilin TAN, Antony Xavier Rex PREMCHAND (SINGAPORE)

16:40 Mortality rate and mid-term outcomes of total hip arthroplasty using dual mobility cups for the treatment of femoral neck fractures in a Middle Eastern population
  Chahine ASSP, J jacques CATON, Camille SAMAPA, Elie NAJ JAR, Kaissar TAMMINE (LEBANON), (FRANCE)

16:48 Primary hemiarthroplasty versus internal fixation using dynamic hip screw in unstable trochanteric fractures in an elderly population
  Prateek GOEL, VK GAUTAM, Ajeet KUMAR, Abhijit BEHERA, Ekshit AGRAWAL (INDIA)

16:56 Are patients with hip fractures on direct oral anticoagulants at increased risk of morbidity and mortality?
  Aatif MAHMOOD, David WHITTAM, Singh GAVINJ IT, Sajawal PERVAIZ, J ones CHRISTINE, WJ HARRISON (UNITED KINGDOM)

17:04 A comparison of outcomes between hemiarthroplasties and total hip replacements for neck of femur fractures meeting Nice guidelines
  Saad AZHAR, Nidish GOGI, Sally DILLINGHAM, Benjamin BROOKE (UNITED KINGDOM)

17:12 Dynamic hip screw vs cancellous screws for intracapsular neck of femur (NOF) fractures in young patients
  Abhinandan KOTIAN, Abhijeet KUMAR, Asif IQBAL, Benjamin COUPE (UNITED KINGDOM), (INDIA)

17:20 Impact of resident training level on radiation exposure during fixation of proximal femur fractures
  Zachary POST, Andres DUQUE, Eric BUXBAUM, Danielle PONZIO, Sean GRIFFITHS, Eddie WU, Fabio OROZCO, Alvin ONG (UNITED STATES)

International Congress on Hip Dysplasia & Paediatrics | Thursday, 5 December | Grand Ballroom Hall A2

08:00 - 10:00

Partner Society Symposium — International Congress on Hip Dysplasia 1

Moderators: James Kasser (UNITED STATES), Joshua HYMAN (UNITED STATES), Mihir THACKER (UNITED STATES), Marek SYNDER (POLAND)

08:00 Welcome to the International Congress on Hip Dysplasia

08:02 Embryology and pathology of developmental dysplasia of the hip: clinical implications
  James KASSER (UNITED STATES)
08:15 Discussion

08:18 Hip screening and value of US application: our experience in Shanghai, China
  Li ZHAO (CHINA)
08:30 Discussion

08:41 International interdisciplinary consensus meeting on evaluation of developmental dysplasia of the hip
  Sattar ALSHRYDA, J oe OBERNE, Konstantinos CHLAPOUTAKIS, (UNITED ARAB EMIRATES), (IRELAND), (GREECE)
08:46 Discussion

08:50 Standardised, validated education programmes for diagnosis and non-surgical treatment of developmental dysplasia of the hip
  Emily DODWELL (UNITED STATES)
09:03 Discussion

09:06 Ultrasound management of infant hip dysplasia
  Mihir THACKER (UNITED STATES)
09:18 Discussion

09:21 Evidence based treatment for developmental dysplasia of the hip in children under 6 months of age
  Sattar ALSHRYDA, Maryam ASHOUR, Nada ABDULLA (UNITED ARAB EMIRATES), (BAHRAIN)
09:26 Short-term outcomes of closed reduction after percutaneous adductor tenotomy for developmental dysplasia of the hip and the analysis of the indications of this treatment: a retrospective study of 147 cases
  Hao LI, Ziming ZHANG (CHINA)
09:31 Discussion

09:36 The outcome of Salter innominate osteotomy for developmental hip dysplasia before and after 3 years old
  Seyyed Saed KHALIRI, Taghi BAGHDADI, Nima BAGHERI (IRAN)
09:41 Salterian Dega osteotomy for the management of developmental dysplasia of the hip in children after walking age
  Elsayed SAID, Hamdi TAMMAM (EGYPT)
09:46 Discussion
10:30 - 12:00

Partner Society Symposium — International Congress on Hip Dysplasia 2

Moderators: Charles PRICE (UNITED STATES), James KASSER (UNITED STATES), Li ZHAO (CHINA)

10:30 Innovations in prevention, diagnosis and initial treatment of DDH
Charles PRICE (UNITED STATES)

10:42 Discussion

10:45 Immovable acetabular center in TPO lead a good clinical and radiological outcomes in children with DDH
Zhen Peng LIANG (CHINA)

10:50 Comparison of outcomes of periacetabular osteotomy (PAO) for developmental dysplasia of the hip (DDH) vs femorocacetabular impingement (FAI): a study using the UK Non Arthroplasty Hip Registry (NAHR) dataset
Ajay MALVIYA, Richard HOLLEYMAN, Mark SOHATEE, Johan WITT, Marcus BANKES, Vikas KHANDUJ A (UNITED KINGDOM)

10:55 Discussion

11:00 Surgical tips for hip dysplasia
Travis MATHENEY (UNITED STATES)

11:12 Salter’s innominate osteotomy: is it a redirection or a containment one?
Khamis EL DEEB (EGYPT)

11:24 Long-term results of Dega pelvic osteotomy in developmental dysplasia of the hip
Marek SYNDER (POLAND)

11:36 Discussion

11:44 Paediatric hip in skeletal dysplasia and syndromes
Darko ANTICEVIC (CROATIA)

11:56 Discussion

13:00 - 14:00

Industry-Sponsored Session

14:00 - 15:30

SICOT Instructional Symposium — Paediatric Trauma and Sports

Moderators: Evelyn KUONG (HONG KONG), Saw AIK (MALAYSIA)

14:00 Knee OCD in a paediatric/adolescent population
Indranil KUSHARE (UNITED STATES)

14:13 ACL and MPFL reconstruction: when is it indicated?
Jorge KNORR (SPAIN)

14:26 Hip pain in the young athlete
Vikas KHANDUJ A (UNITED KINGDOM)

14:39 Paediatric hip fractures: an update
Evelyn KUONG (HONG KONG)

15:05 Neglected trauma: what to do?
Saw AIK (MALAYSIA)

15:18 Discussion

16:00 - 17:30

Free Paper Session — Paediatrics 1

Moderators: Ismet GAVRANKAPETANOVIC (BOSNIA), Gholam Hossain SHACHERAGI (IRAN)

16:00 Minimally displaced lateral humeral condyle fractures - optimising follow-up and minimising cost
Mihir THACKER, Kenneth ROGERS, Carlos PARGAS, Theresa MILES (UNITED STATES)

16:08 Supracondylar humerus fractures in low and lower middle-income countries: a review of the current epidemiology, treatment modalities and outcomes
Sraya CHALLA, Kiran AGARWAL-HARDING, Paul LEVY, Jill BARR-WALKER, Coleen SABATINI (UNITED STATES)

16:16 The impact of a virtual orthopaedic triage clinic model in Northern Ireland
Raymond MCKENNA, Elaine ROBINSON, JIm BALLARD, Aidan COSGROVE (UNITED KINGDOM)

16:24 Correction of lower extremity angular deformities in skeletal dysplasia with hemiepiphysiodesis
Mihir THACKER, William MACKENZIE, Amit NEMADE, Kenneth ROGERS, Carlos PARGAS, Colleen DIITO (UNITED STATES)

16:32 Neonatal birth fractures: a tertiary maternity hospital experience
Rachael FISHER, Prakash PROMOD, Amanda OGLIVY-STUART, Stuart WILLS, Glenda VIRGO, Andreas REHM (UNITED KINGDOM)

16:40 Outpatient ambulatory management of acute paediatric fractures is safe, saves inpatient hospital admissions and has high levels of parent satisfaction
Paul CAMERON, Brook LEUNG, GJ AYASINGHE, Thomas CRIMPTON, Joideep PHADNIS (UNITED KINGDOM)

16:48 The diagnostic utility of muscle biopsy for suspected myopathy: a primer for orthopaedists
Mihir THACKER, Monica PAYARES-LIZANO, Carlos PARGAS, Kenneth ROGERS, Brian DEIGNAN, Corrine LINK, William MACKENZIE (UNITED STATES)

16:56 Legg-Calve-Perthes disease can lead to acetabular retroversion
Christiane Sylvia LEIBOLD1, Simon Damian STEPPACHER2, Patrick WHITLOCK2, Florian SCHMARANZER2, Mortiz TANNAST1, Klaus Arno SIEBENROCK1
1(SWITZERLAND), 2(UNITED STATES)

17:04 Validation of the Patient Reported Outcomes Measurement Information System (PROMIS) pain measures in paediatric patients with cerebral palsy
Joshua HYMAN, Hiroko MATSUMOTO, Matthew SIMHON, Heakyung KIM, David ROYE (UNITED STATES)

17:12 Application of antifibrotic substances on pes equinovarus derived cells
Jarmila KNITLOVA, Martina DOUBKOVA, Martin OSTADAL, Adam ECKHARDT, Tomas NOVOTNY, Jana MUSILKOVA (CZECH REPUBLIC)
08:00 Keynote lecture: Ideal cocktail: merging academic and clinical orthopaedic practice
Edward MAH (AUSTRALIA)

08:15 Role of tibial plateau slope in anterior cruciate ligament injuries: a study in an Indian population
Saikat J ENA (INDIA)

08:23 Is DVT prophylaxis indicated after ACL reconstruction surgery?
Amirmohammad NAVALI, Ali NAGHILOO, Lella AZHAR SHEKOUFEH BAHARI (IRAN)

08:31 Probability of anterior cruciate ligament tear in the contralateral knee and in siblings
Mohsen MARDANI-KIVI (IRAN)

08:39 Is saphenous nerve at risk following hamstring graft harvest in arthroscopic ACL reconstruction surgery?
Suwallim AL GHANAMI, Ismail AL HABSI, Arafat ALFIKEY (oman)

08:47 Our experience with extra-articular augmentation of ACL reconstruction
Begad ABDEL RAZEK, Ahmed ABDEL-AZIZ, Ahmed MAHMOUD GAD, Ahmed SAMIR ELKALOBY, Mahmoud ABBAS TOLBA (EGYPT)

08:55 The ACL and anterolateral ligament (ALL) reconstruction — rotational stability after two years
Radek HART, Martín KOMZAK (CZECH REPUBLIC)

09:03 Comparison of functional outcome of transtibial endoscopic anterior cruciate ligament reconstruction by bone-patellar tendon-bone graft with and without augmentation
Sakeb NAJMUS (BANGLADESH)

09:11 Femoral head-neck offset and the hip range of motion in patients with ACL injury
Abolfazl BAGHERIFARDO, Mahmud J ABALAMELI, Hooman YAHYAZADEH, Azadeh SHAFIEESABET, Kaveh GHARANIZADEH, Hosseinialn HADI, Ali J AHANSOUGZ, Parhan KHANLARI (IRAN)

09:19 Arthroscopic ACL reconstruction through trans-tibial tunnel using bone–patellar tendon–bone graft
Sanjay KESHKAR, Nirmal DEY (INDIA)

09:27 A comparative evaluation of the results of arthroscopic anterior cruciate ligament reconstruction with quadrupled hamstring graft using Crosspinning (Transfix) or Endobutton as femoral tunnel graft fixation methods
Ankit KATARIA, Vinod KUMAR, Kundan KUNDU (INDIA)

09:35 Clinical and functional outcomes for all inside tightroper versus PLLA-HA interference screw fixation in arthroscopic ACLR
Nishit PALO, Sidharth CHANDEL, Bhaskar BORGHOHAIN, Manoj PATEL (INDIA)

09:43 Comparison of functional outcome between ‘transportal’ and ‘outside in’ technique in arthroscopic anterior cruciate ligament reconstruction
Abhishek SAXENA, Rajat J ANGIR (INDIA)

09:51 ACL reconstruction, when is best to intervene
Andrew STEPHENS (AUSTRALIA)

10:00 Strategy of treatment of meniscal tear: resect, repair, reconstruct or replace?
Rene VERDONK (BELGIUM)

10:06 How I handle bucket handle tear: tips and tricks
James LOH (SINGAPORE)

10:12 ‘Ramp lesion’ - diagnosis and treatment
Peter YAU (HONG KONG)

10:18 Root tear - biomechanics, classification and surgery
Umer BUTT (PAKISTAN)

10:24 Discoid meniscus with tear: update in management
Anant MAHAPATRA (BELGIUM)

10:30 Meniscus and cartilage repair
Rene VERDONK (BELGIUM)

10:36 ACL and cartilage repair
Stephen ABELOW (UNITED STATES)

10:42 Patellar instability and cartilage repair
Sethu RAMANATHAN (OMAN)

10:48 Osteotomy and cartilage repair: new mini-invasive possibilities
Gamal HOSNY (EGYPT)

11:02 Bone marrow in cartilage orthobiology
Fabio SCIARRETTA (ITALY)

11:08 Chondrocytes in cartilage orthobiology
Stefan MARLOVITS (AUSTRIA)

11:14 Adipose tissue in cartilage orthobiology
Divayanshu GOYAL (INDIA)

11:20 Role of arthroscopy
John LANE (UNITED STATES)

11:26 Athletes and orthobiologics
Emanuel PAPACOSTAS (GREECE)

11:32 Religious sentiments in cartilage orthobiology
Divayanshu GOYAL (INDIA)

11:38 Discussion

14:00 - 15:30

SICOT Instructional Symposium — Current Concepts in the Management of Meniscal Tears

Moderator: Peter YAU (HONG KONG)

14:00 Strategy of treatment of meniscal tear: resect, repair, reconstruct or replace?
Rene VERDONK (BELGIUM)

14:06 How I handle bucket handle tear: tips and tricks
James LOH (SINGAPORE)

14:12 ‘Ramp lesion’ - diagnosis and treatment
Peter YAU (HONG KONG)

14:18 Root tear - biomechanics, classification and surgery
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15:08 Chondrocytes in cartilage orthobiology
Stefan MARLOVITS (AUSTRIA)

15:14 Adipose tissue in cartilage orthobiology
Divayanshu GOYAL (INDIA)

15:20 Discussion
16:00 No additional benefit and higher complications rate with synthetic graft augmentation in anterior cruciate ligament reconstruction: a systematic review
Tarek BOUTEFNOUCHET, Mohammed Abbas REMTULLA, Keshav MATHUR (UNITED KINGDOM)

16:08 Biocomposite screws fixation in soft-tissue ACL reconstruction — retrieval analysis after tibial cyst: a case series
Rodica MARINESCU, Ioelzena BOTEZATU, Andrei BUNEA, Dan LAPTOIU (ROMANIA)

16:16 A lateral extra-tendinous of the iliotibial band
Amr OMR (EGYPT)

16:24 MRI evaluation of anterolateral ligament tears in knee injury with anterior cruciate ligament rupture
Aman HOODA (INDIA)

16:32 Prediction of the graft size of 5-stranded semitendinosus and gracilis tendons for anterior cruciate ligament reconstruction: retrospective cohort study
Mohammad HAMMAD, Abdullah ABDULLAH, Nidal ALKHAITIB, Kong Wai JING GERALDINE, Faris ABUSHAABAN (QATAR)

16:40 Relation of tibial posterior slope to tibial tunnel widening after primary ACL reconstruction in Indian population
Salkat J ENA (INDIA)

16:48 Arthroscopic primary ACL suture in physically active patients
Andrzej BOROWSKI, Marek SYNDER, Michal SKRZYPEK, Kajetan PSTRAGOWSKI, Lukasz KULIGOWSKI, Munaaf A HATIM, Marek DROBNIEWSKI (POLAND)

16:56 Does hamstring tendon graft diameter affect the outcome of anterior cruciate ligament surgery?
Akash SINGHAL, Ravi GUPTA, Anil KAPOOR (INDIA)

17:04 Anatomic study and reanalysis of the nomenclature of the anterolateral complex of the knee focusing on the distal iliotibial band: identification and description of the condylar strap
Philippe LANDREAU, Antoine CATTEEUM, Fawaz HAMIE, Adnan SAITHNA, Bertrand SONNERY-COTTET, Robert SMIGIELSK (1UNITED ARAB EMIRATES), 2(BELGIUM), 3(UNITED STATES), 4(FRANCE), 5(POLAND)

17:12 Establishing the first registry on posterior cruciate ligament injuries and basic principles of management
Mohammed KASSEM1, Ahmed ALSHAYE2, Sherif GHONEIM1 3(EGYPT), 4(UNITED ARAB EMIRATES)

17:47 Comparative evaluation of outcome of flexor tendon repair with or without amniotic membrane wrap
Saket PRAKASH, Anil DHAL, Pulkit KALRA (INDIA)

17:55 Introduction of an innovative repair technique in type IV FDP tendon avulsions
Gabriel HALAT, Lukas NEGRIM, Paul HOPPE, Ewald UNGER, Thomas KOCH, Lena HIRTLER, J ochen ERHART, Patrick PLATZER, Stefan HAJ DU (AUSTRIA)

08:00 - 10:00
Free Paper Session—Hand I
Moderators: Peter KILONZO (KENYA), Divya SINGH (UNITED STATES)

08:00 Keynote lecture: Hand injuries and basic principles of management
Divya SINGH (UNITED STATES)

08:15 Reconstruction of upper limb bone defects by free vascularized fibular graft (VFG)
Mohammed KOTB (EGYPT)

08:23 The observation of two different reverse digital artery island flaps in repairing fingertip soft-tissue defect
Jia-Xiang GU (CHINA)

08:31 Arthroplasty using osteochondral grafts from the knee for post-traumatic or degenerative hand joint disorders
Narihito KODAMA, Kosei ANDO, Kojiro MOTOHARA (JAPAN)

08:39 Clinical results of percutaneous release of trigger fingers using an 18-gauge needle
Mohamed LAMEY, Ahmed ALKHATIB, Natasha ALKHATIB (EGYPT)

08:47 Comparative evaluation of outcome of flexor tendon repair with or without amniotic membrane wrap
Saket PRAKASH, Anil DHAL, Pulkit KALRA (INDIA)

08:55 Introduction of an innovative repair technique in type IV FDP tendon avulsions
Gabriel HALAT, Lukas NEGRIM, Paul HOPPE, Ewald UNGER, Thomas KOCH, Lena HIRTLER, J ochen ERHART, Patrick PLATZER, Stefan HAJ DU (AUSTRIA)

09:03 Role of addition of Dexamethasone and Ketorolac to lignocaine intravenous regional anaesthesia (Bier’s block) to improve tourniquet tolerance and postoperative analgesia in hand and forearm surgery
Syed Faraz Ul Hassan Shah GILLANI, Rana Dilawaz NADEEM, Muhammad AKRAM (PAKISTAN)

09:11 Safe route for placement of K-wire in proximal phalanx by avoiding injury to extensor apparatus
Amith Ram RAMASAMY (INDIA)

09:19 Rising pressures and demands on hand clinics: could physiotherapy LED clinics be a solution?
Ahmed DAOUB (UNITED KINGDOM)

09:27 Comparison of local steroid injection and surgical decompression in treatment of carpal tunnel syndrome
Rahman Rasool AKHTAR, Umer SHAFIQUE (PAKISTAN)

09:35 Comparative study of double IV cannula and single needle technique of aspiration and methylprednisolone injection in the treatment of wrist ganglion
Siddharth GUPTA, Rajesh CHOPRA (INDIA)

09:43 Asymptomatic electromyographical carpal tunnel syndrome
Tatsuki EBATA (JAPAN)

09:51 A pedicle or free flap for reconstruction of upper extremity
Kosei ANDO (JAPAN)

09:59 Results of single stage free tendon graft in neglected flexor tendon injury zone II in adults using FDS tendon of the injured digit
Ahmed MAHMoud1, Tarek EL-GAMMAL2, Amr EL-SAYED3, Mohamed KOTB3 2(OMAN), 3(EGYPT)
10:30 Management of total brachial plexus injury
Margaret FOK (HONG KONG)

10:45 Upper extremity major reimplantations
Salt ADA (TURKEY)

11:00 Radial nerve injuries — current concepts
Anil DHAL (INDIA)

11:15 Bone shortening to allow direct nerve suture
Fabian MOUNGONDO, Jérôme VALCARENGHI, Aurélie ANDRZEJ EWSKI, Frédéric SCHUIND (BELGIUM)

11:30 Outcome of amniotic wrap at peripheral nerve repair site
Anil DHAL (INDIA)

11:45 Discussion

14:00 Complications in phalangeal and metacarpal fractures
Ferdinando DA RIN DE LORENZO (ITALY)

14:09 Causes and prevention of post-traumatic finger stiffness
Frédéric SCHUIND (BELGIUM)

14:18 Treatment strategies in the mutilated hand
Salt ADA (TURKEY)

14:27 Treatment of mutilating hand injuries
Marko BUMBASIREVIC (SERBIA)

14:36 Arthroscopically assisted treatment of malunited distal radial fractures
Amr ALY (EGYPT)

14:45 Carpal instability: diagnosis, treatment and the future
Zulfì RAHIMTOOLA (UNITED KINGDOM)

14:54 Percutaneous sonographically guided procedures in hand surgery: from biomechanical studies to clinical solutions
Fabian MOUNGONDO (BELGIUM)

15:03 Management of scaphoid fractures in Oman
Abdullah AL HARTHY (OMAN)

15:12 Brussels research in peripheral nerve surgery
Frédéric SCHUIND (BELGIUM)

15:21 Arthroscopic management of distal radius and scaphoid fractures
Margaret FOK (HONG KONG)

16:00 What is the prevalence of primary osteoarthritis of the distal radioulnar joint on plain X-rays and how many patients have ulnar wrist pain?
Nadine HOLLEVOET, Benis SZABOLCS (BELGIUM)

16:08 Capitator shortening in Kleinbone’s disease in 10 cases: clinical and radiological results more than five years of follow-up
Kamel ACHOURE, Abdellahim OULD ROUS, Amine TOUHAMI, Mourad OUBIRA, Mourad HAMIDANI (ALGERIA)

16:16 Management of flexion contractures of the wrist by differential distraction
Alok Chandra AGRAWAL (INDIA)

16:24 Functional and radiological outcomes following surgically managed periunlar dislocations
Blnoy SAYOQ JANADHAN, Sreejith PAPPU (INDIA)

16:32 Systematic review of diagnosis for clinically suspected scaphoid fractures: which is best?
Henrik BAECKER², Chia WU², Robert STRAUCH²
¹(GERMANY), ²(UNITED STATES)

16:40 The critical size of an ulnar styloid fracture and the biomechanical effects of the remnants soft tissues and of the surgical repair on the DRUJ-stability
Mauro MANIGLIO¹, II Jung PARK¹, William FRAIPONT¹, Remy FLUECKIGER¹, Liliana BOLINGER¹, Matthias ZUMSTEIN¹, Michelle MCGARRY², Thay Q LEE²
¹(SWITZERLAND), ²(SOUTH KOREA), ³(UNITED STATES)

16:48 GCT of scaphoid treated with excision and four corner fusion
Asjad MAHMOOD, Tahir ANSARI (INDIA)

16:56 The comparison between strut bone and chip bone allograft following volar locking plating in the treatment of the distal radius fracture: a retrospective cohort study
Kuang-Ting YEH, Hao-Wen CHEN, Yi-Chen LI, Kuen-Hue LIN, Ing-Ho CHEN (TAIWAN)

17:04 A retrospective cohort study of volar locked plating fixation following corrective osteotomy in malunion of distal radius fracture
Hao-Wen CHEN, Yi-Chen LI, Kuang-Ting YEH, Kuen-Hue LIN (TAIWAN)

17:12 Fixation of distal radius fractures using wide awake anaesthesia with no tourniquet technique: a cost effective and resource friendly alternative in lower income and middle income countries
Muhammad TAHIR¹, Ghulam MAHBOOB¹, Mark PHILLIPS², Allah Rakhlo JAMALI, Thay Q LEE²
¹(PAKISTAN), ²(UNITED STATES)

Foot & Ankle | Thursday, 5 December | Grand Ballroom Hall C2

08:00 - 10:00

Free Paper Session —Foot & Ankle 1

Moderators: Sofiene KALLEL (TUNISIA), Avind PURI (AUSTRALIA)

08:00 Keynote lecture: MHealth implications for world healthcare
Edward HARVEY (CANADA)

08:15 Subtalar arthrosis in paediatric flexible flatfoot
Mohd Ishaq ALAMILH, Salah ALBURDENTI, Ghalib AL HANEEDI (QATAR)

08:23 Supramalleolar osteotomy and AMIC cartilage reconstruction in severe cartilage lesion
Hajo THERMANN, Ahmed SHOKRY, Ahmed HEGAZY (GERMANY)
10:30 - 12:00

**SICOT Instructional Symposium** — The Commonest Foot and Ankle Surgeries: This is How I Do It (1) (in partnership with the American Orthopaedic Foot and Ankle Society)

**Moderators:** Rupinderbir DEOL (UNITED KINGDOM), Paulo FERRAO (SOUTH AFRICA)

10:30 1. Ankle arthroscopy
Nick SARAGAS (SOUTH AFRICA)

10:40 2. OATS procedure for osteochondral lesion of the talus
Paulo FERRAO (SOUTH AFRICA)

10:50 3. Ankle fusion
Adriaan VAN ZYL (SOUTH AFRICA)

11:00 Case 1: How I wish I did it differently - a case that taught me so much
Anish KADAKIA (UNITED STATES)

11:10 4. Diabetic ankle fracture
Guangrong YU (CHINA)

11:20 5. Calcaneal fracture fixation
Mingzhu ZHANG (CHINA)

11:30 6. Tibiotalocalcaneal fusion with a hindfoot fusion nail
Cristian ORTIZ (CHILE)

11:40 Case 2: How I wish I did it differently - a case that taught me so much
Adriaan VAN ZYL (SOUTH AFRICA)

11:50 Clinical case discussions
Gowreeson THEVENDRAN (SINGAPORE)

14:00 - 15:30

**SICOT Instructional Symposium** — The Commonest Foot and Ankle Surgeries: This is How I Do It! (2) (in partnership with the American Orthopaedic Foot and Ankle Society)

**Moderators:** Gowreeson THEVENDRAN (SINGAPORE), Nick SARAGAS (SOUTH AFRICA)

14:00 7. Lisfranc injury stabilization
Rupinderbir DEOL (UNITED KINGDOM)

14:10 8. Base of Vth metatarsal fracture with an IM screw
Daniel FARBER (UNITED STATES)

14:20 9. Syndesmotic stabilisation with a Tightrope device
Will BRYCESON (AUSTRALIA)

14:30 Case 3: How I wish I did it differently - a case that taught me so much
Vinod PANCHHBHANI (UNITED STATES)

14:40 10. Hallux valgus correction
Lucky J EYASEELAN (UNITED KINGDOM)

14:50 11. How I do gastrocnemius/Achilles lengthening
Pradeep MOONOT (INDIA)

15:00 12. Medialising calcaneal osteotomy
Kar Hao TEOH (UNITED KINGDOM)

15:10 Case 4: How I wish I did it differently - a case that taught me so much
Cristian ORTIZ (CHILE)

15:20 Clinical case discussions
Arvind PURI (AUSTRALIA)

16:00 - 17:30

**Free Paper Session** — Foot & Ankle 2

**Moderators:** Ali ALARADI (BAHRAIN), Adriaan VAN ZYL (SOUTH AFRICA)

16:00 Arthrodesis of the first metatarsophalangeal joint reduces the hindfoot ground pressure during walking
Patrycia SZKUTNIK, Aleksandra CZECHOWSKA, Krzysztof NOWAK, Przemyslaw LAGANOWSKI, Marcin DOMZALSKI (POLAND)

16:08 Comparative study assessing sporting ability after arthrodesis and cartiva hemiarthroplasty for treatment of hallux rigidus
Ahmed ALI AWADI, Bernardo BRANDAO, Anna FOX, Anand PILLAI (UNITED KINGDOM)

16:16 The influence of calcaneal and first ray osteotomies on the contact pressures of the ankle joint
Cesar DE CESAR NETTO¹, Danilo RYUKO NISHIKAWA¹, Niall SMYTH¹, Nicholas CASSCELLS², Stuart MICHNICK², Tao XU³, Pooyan ABASSI, Brent PARKS¹, Stuart MILLER¹²² (UNITED STATES, BRAZIL)

40th SICOT | 17
16:24 High incidence of spring ligament failure in ankle fractures with complete deltoid ruptures: a previously missed entity leading to rapid destabilisation of the first ray and symptomatic adult flat foot
Ahmad Mahmoud El-Sayed ALI, Chandra PASAPULA, Biju KILIANI PLAKKIL (UNITED KINGDOM)

16:32 The Mearys angle: can it be used to determine the type of surgery for hallux valgus, a comparison between lapidus technique and scarf osteotomy in patients with a high Mearys angle
Terin THOMAS, Peter SKELLHORN, Jordi BALLESTER (UNITED KINGDOM)

16:40 Use of an inflatable intramedullary nail for fixation of unstable ankle fractures in frail elderly patients
Langhik KURAR (UNITED KINGDOM)

16:48 Topical review: fibular nail fixation
Henrik BAECKER¹, J Turner VOSSELLER² (GERMANY), (UNITED STATES)

16:56 Achilles tendon elongation after functional management of acute ruptures
Tareq TAREEF, Javed SALIM, Daniel BRUNTON, Emer RICHARDSON, Viren MISHRA (UNITED KINGDOM)

17:04 Outcome of talocalcaneal coalition resection assisted with intra-operative navigation
Mihir THACKER, Carlos PARGAS, Kenneth ROGERS, Reid NICHOLS, Adolredo SANTANA (UNITED STATES)

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Research | Thursday, 5 December | Grand Ballroom Hall C3

Free Paper Session — Research 1

Moderators: Syed Muhammad AWAIS (PAKISTAN), Marc PATTERSON (UNITED KINGDOM)

08:00 Keynote lecture: Controversies in orthopaedics: why they exist and what to do about them!
Javed PARVIZI (UNITED STATES)

08:15 Collagen isoform expression in post-traumatic stiff elbow anterior capsules
Srinath KAMINENI, Mark COHEN (UNITED STATES)

08:23 Total joint replacement improves pain, functional quality of life and health utilities in patients with late-stage knee and hip osteoarthritis for up to five years
Audrey NEUPREZ, Arnaud NEUPREZ, Jean-François KAUX, William KURTH, Christophe DANIEL, Thierry THIRION, Jean-Pierre HUSKIN, Philippe GILLET, Olivier BRUYÈRE, Jean-Yves REGINSTER (BELGIUM)

08:31 Elbow contracture capsule - histology examination
Srinath KAMINENI, Mark COHEN (UNITED STATES)

08:39 The risk of venous thromboembolism after lumbar spine surgery: a population-based cohort study
Hsiang-An LEE, Hao-Wen CHEN, Kuang-Ting YEH, Ho-Ken CHUNG, Yi-Chen LI, Wen-Tien WU, Tzai-Chu YU, In-Ho CHEN (TAIWAN)

08:47 Sarcopenia in patients with chronic low back ache – a case control study
Rajesh RAJ AVELU, Ajay PRASAD SHETTY, Rishi MUGESH KANNA, Shanmuganathan RAJ ASEKARAN (INDIA)

08:55 Evaluating the effectiveness of learning and quality improvement in orthopaedics
Epaminondas VALSAMIS¹, Mohamed SUKEIK² (UNITED KINGDOM), (SAUDI ARABIA)

09:03 Defining value in orthopaedic surgery: a scoping review
Herman J OHAL, Bhandari MOHIT (CANADA)

09:11 Reliability of the EOS imaging system for assessment of the spinal and pelvic alignment in the sagittal plane
Eugene J PARK, Jae-Sung AHN, Kim SANG BUM, Ho-Jin LEE, Seokhwan SONG (SOUTH KOREA)

09:19 The symptom and frequency of the patients with multiple myeloma in osteoporotic vertebral body fracture in the elderly
Kengo HIGUCHI, Shinji KUMAMOTO, Hidefumi HONKE, Masaaki MAWATARI (JAPAN)

09:27 Targeting mutant TP53 as a potential therapeutic strategy for the treatment of osteosarcoma
Fan TANG, Chongqi TU (CHINA)

09:35 In vitro stress effect on degradation and drug release behaviours of basic fibroblast growth factor - poly(lactic-co-glycolic-acid) microsphere
Long CHENG, Hong DUAN (CHINA)

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SICOT Instructional Symposium — Research 1

Moderators: Matthew DOBBS (UNITED STATES), Noppachart LIMPAFAYOM (THAILAND)

10:00 How to conduct clinical research and publish internationally
Khaled EMARA (EGYPT)

10:42 Implant retrievals: pros/cons in research
Bertrand BOYER (FRANCE)

10:54 The use of internal growth distraction rods
Hamish SIMPSON (UNITED KINGDOM)

11:06 AI and big data: gearing up for the research and intelligence of the future in orthopaedics
Vaibhav BAGARIA (INDIA)

11:18 Difficulties faced during research and publication by young surgeons especially in developing countries
Nishit PALO (INDIA)

11:30 The difficulties which a young specialist may encounter in doing research and how to manage them
Margaret FOX (HONG KONG)

11:42 Research ethics/IRB
Mohamed KENAWEY (UNITED KINGDOM)

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14:00 - 15:30
Knee | Thursday, 5 December | Junior Ballroom A

08:00 - 08:15
Keynote Lecture: TKA in severe deformities
Parag SANCHETI (INDIA)

08:15 - 08:30
Free Paper Session — Knee 1

Moderators: Parag SANCHETI (INDIA), Michael ZIMLITSKI (GEORGIA)

08:00
Comparison of functional outcome of medial pivot total knee arthroplasty with posterior stabilising (PS) total knee arthroplasty — a randomised trial
Usman GILL, Khalid Rehman MALIK, Shiraz MALIK, Adnan Latif MALIK, Muhammad Hanif MIAN (PAKISTAN)

08:23
Walk the line — orientating the tibial component along the anatomical tibial axis may result in patellofemoral problems following total knee replacement
Peidar Antane MAC SUBHNE, Mithu GANAPATHI (UNITED KINGDOM)

08:30 - 08:45
Comparing radiographic outcomes of robotic total knee replacement to manual instrumentation
Zachary POST, Andres DUQUE, Luis GRAU, Alvin ONG, David LE, Sean GRIFFITHS, Lauryn BIANCO, Danielle PONZIO, Fabio OROZCO (UNITED STATES)

08:45 - 08:55
Metal allergy and total knee arthroplasty: a call for global consensus
Tarek BOUTENNOUCHET, Mamdouh HEFNY, Karl BELL (UNITED KINGDOM)

08:55 - 09:05
Walk the line — orientating the tibial component along the anatomical tibial axis may result in patellofemoral problems following total knee replacement
Peidar Antane MAC SUBHNE, Mithu GANAPATHI (UNITED KINGDOM)

08:30
Comparison of functional outcome of medial pivot total knee arthroplasty with posterior stabilising (PS) total knee arthroplasty — a randomised trial
Usman GILL, Khalid Rehman MALIK, Shiraz MALIK, Adnan Latif MALIK, Muhammad Hanif MIAN (PAKISTAN)

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08:39
Metal allergy and total knee arthroplasty: a call for global consensus
Tarek BOUTENNOUCHET, Mamdouh HEFNY, Karl BELL (UNITED KINGDOM)

08:47
All types of component malrotation affect the early patient-reported outcome measures after total knee arthroplasty
Amr MOHAMMED, Mohammad ABDENASSER, Mohamed ELSHERIF, Hatem BAKR, Mohamed MAHRAIN, Yaser KHALIFA (EGYPT)

08:55
Anterior versus posterior referencing in the measurement of posterior condyle offset ratio for total knee arthroplasty
Musheer Hussain MOHAMEDAbhishek Vadiraj SHETTY, Imthiaz AHAMEDZ (UNITED KINGDOM), 2(INDIA)

09:03
Kinematically aligned cruciate-retaining total knee arthroplasty: comparison of two types of prosthesis design
Yoshinori TAKASHIMA, Koji TAKAYAMA, Tomoyuki MATSUMOTO, Tomoyuki KAMENAGA, Masanori TSUBOSAKA, Yuichi KURODA, Shingo HASHIOMOTO, Shinya HAYASHI, Ryosuke KURODA (JAPAN)

09:11
Clinical and radiographic outcomes: novel cementless metal backed patella design
Zachary POST, Andres DUQUE, Luis GRAU, Fabio OROZCO, David LE, Sean GRIFFITHS, Lauryn BIANCO, Danielle PONZIO, Alvin ONG (UNITED STATES)
09:19 Pie-crusting of proximal medial collateral ligament for varus deformity in knee arthroplasty
Tanun GOYAL, Arghya K CHAUDHURY, Souvik PAUL (INDIA)
09:27 Early outcomes of the Attune total knee arthroplasty in a non-designer series of 436 knees
Akash SARAOGI¹, Naveen LOKIKERE¹, Tim BOARD², George PAVLOU³, Anil GAMBHIR²
¹(INDIA), ²(UNITED KINGDOM)
09:35 Navigation improves the survival rate of mobile bearing total knee arthroplasty in severe pre-operative coronal deformity
Dominique SARAGAGLIA¹, Jean Yves JENNŸ², Brice RUBENS-DUVAL²
¹(GERMANY), ²(FRANCE)
09:43 Clinical and radiographic outcomes of modern cementless total knee design
Zachary POST, Andres DUQUE, Luis GRAU, Fabio OROZCO, David LE, Sean GRIFFITHS, Lauryn BIANCO, Daniele PONZIO, Alvin ONG (UNITED STATES)
09:51 Influence of posterior tibial slope on functional outcome after cruciate retaining total knee arthroplasty
Romi AGRAWAL, Vijay SINGH, Ayush SHARMA, Nilesh MANGALE, Jeet SAVLA, Priyank DEEPAK, Shorabh SINHA, Ajay JASWAL (INDIA)
09:59 Severe fixed valgus deformity in TKR: is it possible to save the ligaments? Surgical technique and video results
Fabio CONTEDUCA, Ferdinando IANNOTTI, Valerio ANDREZZI, Raffaele IDRI, Daniele MAZZA, Andrea FERRETTI (ITALY)

Moderator: Francesco FALEZ (ITALY)
10:30 Management of intra-operative fractures in total knee arthroplasty
Miroslav HASPL (CROATIA)
10:38 Does notching of the anterior cortex predispose to periprosthetic fracture?
Shekhar AGGARWAL (INDIA)
10:46 Classification of periprosthetic fractures
Parag SANCHETI (INDIA)
10:54 Management of fracture patella in total knee arthroplasty
Jacques CATON (FRANCE)
11:02 Role of cones and sleeves in functional fractures
Ashok RAJ GOPAL (INDIA)
11:10 Extensor tendon disruptions in total knee arthroplasty
Vivek DAHYA (INDIA)
11:18 Osteolysis in total knee arthroplasty: aetiology and management
Fatih KUCUKDURMAZ (TURKEY)
11:26 Stems and augments in management of periprosthetic fractures
Philippe HERNIGOU (FRANCE)
11:34 Exposure options for periprosthetic fractures
Parag SANCHETI (INDIA)
11:42 Discussion

Moderator: Ajeya ADHIKARI (UNITED KINGDOM)
14:00 The evolution of robotics in arthroplasty
Ajeya ADHIKARI (UNITED KINGDOM)
14:08 Early results of a handheld robot in UKR
Alberto GREGORI (UNITED KINGDOM)
14:18 Robotic arm guided arthroplasty—setting the stage
Fares HADDAD (UNITED KINGDOM)
14:33 Robotics and enhanced recovery—a myth?
Bobby ANAND (UNITED KINGDOM)
14:43 Navigation in hip arthroplasty
Djordje LAZOVIC (GERMANY)
14:53 Learning curve, ethics and guidelines—robotic hip replacement
Jon CONROY (UNITED KINGDOM)
15:08 The age of customisation—what does it take?
Maximilian RUDERT (GERMANY)
15:18 Discussion

Free Paper Session—Knee 2

Moderators: Miroslav HASPL (CROATIA), Gholamali AKASHE (IRAN)
16:00 What are the risk factors for failure after one-stage exchange for periprosthetic joint infection of the knee?
Mustafa CITAK, Hussein ABDELAZIZ, Eduardo SUERO, Jasmin FRIEDENSTAB, Akos ZAHAR, Thorsten GEHRKE (GERMANY)
16:08 Clinical and radiographic outcomes of novel highly porous cone design
Zachary POST, Andres DUQUE, Luis GRAU, Fabio OROZCO, David LE, Sean GRIFFITHS, Lauryn BIANCO, Daniele PONZIO, Alvin ONG (UNITED STATES)
16:16 Complications related to the use of spacers in revision knee arthroplasty: a single center retrospective study
Musheer Hussain MOHAMED, Anjan Venkataraman KRISHNAMURTHY (UNITED KINGDOM)
16:24 Rotating hinge knee versus constrained condylar knee in revision total knee arthroplasty: a meta-analysis
Jung-Ro YOON, Seung Hoon LEE, SH YANG (SOUTH KOREA)
16:32 The role of pre-operative inflammatory markers in predicting postoperative infection in patients undergoing total knee arthroplasty
Ebrahim YUSUF, Mohamed ALSAIF, Asma ALQASEER, Mohamed HUSAIN (BAHRAIN)
16:40 Early results of using individual titanium augments for revision knee arthroplasty
Yaroslav RUKIN, Alexey LYCHAGIN, Valeriy MURYLEV, Andrej GRITSUK, Pavel ELIZAROV, Andrej GARKAVI (RUSSIA)
16:48 Continued pain following total knee arthroplasty: diagnostic algorithm and management options
Basil Ugochukwu IWUNE, Nikolai Vasilyevich ZAGORODNY, Sergey Vladimirovich KAGRAMANOV, Georgy Yurevich BORISKOV (RUSSIA)
16:56 Outcomes of revision knee replacement using total stabilising prosthesis
Abdelleem RAGAB, Waleed AKEEL, Mohamed ABDALLAH, Mamooh ELBANAN, Islam MUBARK, Ahmed NAGI, Ian MACKIE, Daniel PARFITT (UNITED KINGDOM)
17:04 Knee flexion deformity after total knee arthroplasty: a surgical approach, indication and results
René VERDONK, Aad DIJOLLANDER, Peter VERDONK,
Theofylaktos KYRIAKIDIS (BELGIUM)

17:12 Debridement, antibiotics and implant retention: are there any predictive clinical markers for implant retention success?
Lauren THOMSON, Abdul BAIG, Helena WHITE, Tawfiq KORIM (UNITED KINGDOM)

17:20 Revision knee surgery for aseptic loosening and continued pain: is metal hypersensitivity real?
Rishi THAKRAL, Kshitij Kumar AGRAWAL (UNITED STATES)

17:28 The DAIRV (debridement, antibiotic beads and vac dressing) with retention of implant and IV antibiotic for infected TKR
Ahmed AL RASHDI, Salim AL-BUSAIIDI (OMAN)

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Spine | Thursday, 5 December | J unior Ballroom B

0800 - 1000

Free Paper Session — Spine 1

Moderators: Abdullah ALOTHMAN (SAUDI ARABIA), Rohit ARMITANAND (INDIA)

08:00 Keynote lecture: Global spine surgery: challenges and innovation in underserved regions - FOCOS paradigm
Oheneba BOACHE-ADJ EI (UNITED STATES)

08:15 Does preventive care bundle have an impact on surgical site infections following spine surgery? An analysis of 9607 patients
Sri Vijay Anand KS, Rajdeep BAGGA, Aloy SHETTY, Rishi Mugesh Kanna P, Shamuganathan RAJASEKARAN (INDIA)

08:23 The effect of intradiscal vancomycin powder in the prevention of postoperative discitis: RCT study
Reda All SHETA (EGYPT)

08:31 Strategies for reduction of surgical site infection (SSI) in low risk adolescent idiopathic scoliosis surgery: experience from tertiary level paediatric center
Karadi Hari, Sunil KUMAR, Sandeshkumar LAKKOL, Athar SIDDQUI, Ramesh NADARAJAH, Broomfield EDEL, Stewart TUCKER, Tom EMBER, Mark HARRIS (UNITED KINGDOM)

08:39 Outcome analysis of anterior reconstruction with rib grafts in tuberculosis of the thoracic spine
Aditya RAJ, Sudhir SRINIVASTAVA, Sunil BHOSALE, Nandan MARATHI (INDIA)

08:47 Clinical efficacy and feasibility of one-stage combined posterolateral and anterolateral decompression, for thoraco-lumber tuberculosis using pedicle screw instrumentation and global fusion via a posterior-only approach
Dheeraj BATHAJ (UNITED KINGDOM)

08:55 Classification and management algorithm for post-operative infections following transfemoral lumbar interbody fusion
Renjith KARUKAVIL (INDIA)

09:03 Evaluation of healing of lesion in tuberculosis (TB) spine by contrast MRI and 18-FDG PET/CT scan
Samarth MITTAL, Anil Kumar JAIN (INDIA)

09:11 Spinal infections: experience at a spinal unit
Selvar KARIM, Zeidal ALSHAMEERI, Azeem THAHIR, Saajid KALEEL (UNITED KINGDOM)

09:19 To evaluate role of imprint cytology as an early diagnostic modality compared to histopathology in vertebral lesions
Dheeraj BATHAJ (UNITED KINGDOM)

09:27 The treatment of dural tears in the literature: drowning in information but thirsty for a clear message
Munnan AL-NAJEM, Zeidal ALSHAMEERI, Ahmed ELMUBARAK, Ed KIM, V J ASANI (UNITED KINGDOM)

10:30 - 1200

SICOT Instructional Symposium — Spinal Cord Injury and Rehabilitation

Moderators: Evalina BURGER (UNITED STATES), John DORMANS (UNITED STATES)

10:30 Latest on surgery indications and timing
Jong-Beom PARK (SOUTH KOREA)

10:42 Surgical approaches and procedures for spinal cord injury including OPLL
Yasutsugu YUKAWA (JAPAN)

10:54 Latest on injury treatment advances: stem cell, steroids, etc
Dong-Gun CHANG (SOUTH KOREA)

11:06 Management strategies in tuberculous paraplegia
Rohit ARMITANAND (INDIA)

11:18 Functional outcomes and expectations after SCI
Ahmed AL JAHWARI (OMAN)

11:30 Rehabilitation considerations: tendon transfer for management of upper and lower extremity weakness after SCI
Scott LAKER (UNITED STATES)

11:42 Updates on exoskeleton usage for SCI patients
Scott LAKER (UNITED STATES)

11:54 Discussion

14:00 - 1530

SICOT Instructional Symposium — Endoscopic Discectomy

Moderators: Jong-Beom PARK (SOUTH KOREA), Lin CONG (CHINA)

14:00 Literature review and history
Pradyumna PAI (INDIA)

14:12 Standard pathologies that can be treated
Si Young PARK (SOUTH KOREA)

14:24 Complications of endoscopic discectomy and prevention
Arvind BHAVE (INDIA)

14:36 270 degree decompression of the nerve root in dealing with lumbar lateral recess stenosis in PELOD
Palanikumar CHELLAMUTHU (INDIA)

14:48 Biltoportal posterior cervical foraminotomy and discectomy by using 30 degrees arthroscope
Seok-Bong JUNG (SOUTH KOREA)

15:00 Advanced technologies/pathologies: pushing the limits
Seung Deok SUN (SOUTH KOREA)

15:12 Discussion
16:00 - 17:30

Free Paper Session — Spine 2

Moderators: Mourad HAMIDANI (ALGERIA), Fred OTSYENO (KENYA)

16:00 Functional and radiological outcome of early mobilisation in unstable AO type A thoracolumbar fractures without neurological deficit
Sanjeev KUMAR (INDIA)

16:08 Management protocol and outcome of acute cervical dislocations
Aditya DAHAPUTE, Nandan MARATH (INDIA)

16:16 Unstable Hangman’s fracture – do anterior surgeries offer better outcomes?
Keerthivasan PANNEERSELVAM, Shanmuganathan RAJ ASEEKARAN, Rishi MUGESH Kanna P (INDIA)

16:24 Functional outcome and safety of expansion duroplasty in acute traumatic spinal cord injury
Shahid ALL, Jawad SALEEM, Noman AHMED, Atiq DURRANI (PAKISTAN)

16:32 Unstable thoracolumbar burst fractures: short segment including fracture vertebras versus long segment fixation
Syed Shahidul ISLAM (BANGLADESH)

16:40 Is fusion mandatory for thoracolumbar burst fracture treated with posterior spinal instrumentation?
Sharif Ahmed J ONAYED, M Shah ALAM, Shubhendu CHAKRABORTY (BANGLADESH)

16:48 The impact of the doctor-helicopter transportation and closed reduction technique for immediate reduction of cervical spine dislocation
Deokcheol LEE, Kelsuke KAWANO, Shotaro ISHIDA, Takuya NAGAI, Kiyoshi HIGA, Shujii KURIKO, Hideaki HAMANAKA, Etsuo CHOSA (JAPAN)

16:56 The impact of surgical correction on functional outcome in thoracolumbar burst fractures: a systematic review and meta-analysis
M Ali ALHABASH¹, Abduljabbar ALHAMMOUD¹, Waleed ASAAD¹, Ahmed Khalil ATTIA¹, Osama ALDAHAMSHEH¹, Fadi BOURI¹, Abdul Moeen BACO¹, Salahudden ABDELSALAM², Kenan ALKHALLIF², (QATAR), (UNITED STATES)

17:04 Analysis and outcome of traumatic thoracolumbar fractures in tertiary level spine centre
Manohar TH MANOHAR (INDIA)

17:12 Oblique lumbar interbody fusion combined with minimally invasive percutaneous posterior instrumentation for adult spinal deformity
Kenji FUKAYA (JAPAN)

17:20 Spinopelvic dissociation in patients suffering injuries from airborne sports
Henrik BAECCKER¹, Chia WU, J Turner VOSSELLER², Lorin BENNEKER³, Fabian KRAUSE³, Christoph ALBERS³ (GERMANY), (UNITED STATES), (SWITZERLAND)

08:00 A retrospective study to compare the results of short versus long cephalomedullary proximal femoral nail (PFN) for trochanteric region femoral fractures in elderly patients with minimum 2 years follow-up
Mohit J AIN¹, Dhavalkumar PATEL¹, Slava BLAKDO², Ashish BRAMBHATT², Elsayed ATTIA³, Saral PATEL³ (INDIA), (BELARUS), (UNITED STATES)

08:05 Intramedullary nail (IMN) and sliding hip screw (SHS) for multifragmentary trochanteric fractures type AO/OTA 31-A2: revision and mortality of total 650 cases
Franz MUELLER, Matthias DOBLINGER, Bernd FUECHTMIEIER (GERMANY)

08:10 Temporal subsidence rates with the C-stem cemented triple-tapered polished stem: a 13 to 18 year follow-up study
David SOCHART (UNITED KINGDOM)

08:15 Influence of orthogeriatric input aided by a specialist nurse in outcome of patients with fractured neck of femur in a district general hospital
Sandeep KOHLI, Akshdeep BAWA (UNITED KINGDOM)

08:20 Total hip replacement with the C-stem polished triple-tapered implant: 13 to 18-year follow-up study
David SOCHART (UNITED KINGDOM)

08:25 A short stem for total hip arthroplasty: why? Results after 3 years with a short curved tissue and neck sparing implant
Guillaume VENET¹, Nicolas FRAQUET², Declan BRAZIL³, Timothy MCTIGHE³ (FRANCE), (AUSTRALIA), (UNITED STATES)

08:30 Sagittal alignment of short-tapered compared to standard tapered femoral stem
Abdulrahman ALGARNI (SAUDI ARABIA)

08:35 Dual mobility cups for prevention of early total hip arthroplasty dislocation in patients with failed proximal femoral fracture fixation
Haytham ABDELAZIM (EGYPT)

08:40 Acetabular revision with large bony defects using jumbo cups
Afshin TAHERIAZAM, Farshad SAFDARI (IRAN)

08:45 Different bearings on each side have different incidence of infection during an observation period of 35 years in patients with bilateral total hip arthroplasties
Philippe HERNIGOU, Charles Henri FLOUZAT LACHANINETTE (FRANCE)

08:50 Participation in sports activities after total hip arthroplasty using a minimally invasive anterolateral-supine approach
Yoshiki TAKAHASHI, Naonobu TAKAHIRA, Katsufumi UCHIYAMA, Kensuke FUKUSHIMA, Mitsutoshi MORIYA, Manaka SHIBUYA, Kouji TSUDA, Kiyoshi TOZAKI, Kenta SAKAI, Sho KUDO, Hiroaki KANEDA, Junya SEKIKA (JAPAN)

08:55 Influence of implant characteristics on survival of a cemented stem
Ola ROLFSON, Raad ITAYEM, Johan KARRHOLM (SWEDEN)

09:00 Old unreduced total hip arthroplasty. treatment and results
Dariush GOURAN SAVADKOOH, Babak SIVASHI, Ehsan PENDAR, Babak MOLANAEI, Mohamadjavad ZEZHTAB (IRAN)

09:05 Total hip arthroplasty for complex primary hips
Nirmal DEY, Sanjay KESHKAR, Bhaskar SEN, Ajay GOYAL (INDIA)

09:10 Indications and results of conversion of girdle-stone to total hip arthroplasty
Dariush GOURAN SAVADKOOH, Babak SIVASHI, Ehsan PENDAR, Siavash MOLANAEI (IRAN)

09:15 Prevalence of adverse reaction to metal debris following the 28-mm Metasul metal-on-metal total hip arthroplasty: minimum 15-year follow-up
Tsunehito ISHIDA, Toshiyuki TATEIWA, Takaaki SHISHIDO, Toshinori MASAOKA, Yohei NISHIKAWA, Yasuhiro TAKAHASHI, Kengo YAMAMOTO (JAPAN)

09:20 Midterm results of trabecular metal augmentes combined with cemented cups in reconstruction of acetabular defects
Ahmed EBIED, Ayman EBIED (EGYPT)
11:00 Deteriorating results of the Opera cemented acetabular component beyond 10 years: a 13- to 18-year follow-up study
David SOCHART (UNITED KINGDOM)

11:05 Financial analysis of revision hip arthroplasty
Sreecko SABALIC, Slaven BABIC, Dejan BLAZEVIC, Tomislav CENCIC, Lea KALJA-21C, Stjepan CURIC (CROATIA)

11:10 Functional outcome of two-staged total hip replacement for long standing girdlestone excision arthroplasty
Ibrahim Abolaji ALABI, Soluldeeen Adebayo ARQ URAYE, Ndubuisi OKOH (NIGERIA)

11:15 Possibilities of joint preserving surgery in adolescents in the developing dysplastic coxaarthrosis
Mikhail TEPLENKY (RUSSIA)

11:20 Extra medullary fixation in unstable trochanteric/subtrochanteric fracture by PF-LCP (pre contoured proximal femoral plate)
Krishna Kumar MITTAL (INDIA)

11:25 Osteoporosis and total hip arthroplasty: results of a survey about orthopaedic surgeons attitudes
Nadhir MERRAGHI, Mohamed DERRADJO, Abderrazak CHOUIJI, Riad BENKADALI, Rachid NEMMAR, Mohamed KHALI, Zoubir KARA (ALGERIA)

11:30 Debridement, antibiotics and implant retention (DAIR) following total hip and knee replacements in a district hospital
Kodali Siva Rama Krishna PRASAD, Salim PUNJ ABL, Chanaka SILVA, Stephen SARASIN, Peter LEWIS (UNITED KINGDOM)

11:35 Failure rate of 5-strand and 6-strand hamstring autograft ACL reconstruction
Ahmed ATTIA, Hazem NASEF, Kareem ELSWEFY, Faris ABUSHABAN, Kariyal ARUN (QATAR)

11:40 Conventional digital tomography as an initial diagnostic screening modality in the investigation of sternoclavicular joint pathology
Rumina BEGUM, Nawfal AL-HADITHY, Lee VAN RENSBURG, Graham TYTHERLEIGH-STRONG (UNITED KINGDOM)

11:45 Arthroscopic transosseous rotator cuff repair
Mustafa MESREGA, Bhaa EL SERWI, Ayman EBEID, Adel EL SEEDI, Amro SABER (EGYPT)

11:50 Acute acromioclavicular dislocations treatment meta-analysis on recent procedures where are we going?
Luís LUIS PIRES, Carlos MAIA, Andre BARROS, Raul ALONSO, Eduardo CARPINTERO (PORTUGAL)

11:55 The predictors of core decompression success in patients with AVN Seyed Mohammad javad MORTAZAVI, Mehdi KARIMI (IRAN)

12:00 Comparative study between arthroscopic release of SREC only versus arthroscopic release and drilling of lateral epicondylitis as treatment for chronic lateral epicondylitis (Tennis Elbow)
Ahmad Ibraheem ADDOSOSKI Mohammad ABDELRAHEEM, Abdelrahman HAFEZ, Mohamed ELJ EZAWY, Ahmed TARIK (EGYPT)

12:10 Knee muscle strength following ACL reconstruction using hamstring tendon autograft—a quantitative analysis using force gauge
Srikanth KANCHEANA PALA, Deepak RANGASWAMY (INDIA)

12:15 Proximal tibiofemoral joint instability in multiligamentous knee injury
Bushu HARNA, Dhananjaya SABAT (INDIA)

12:20 Arthroscopic surgery versus conservative treatment for avulsion fractures at the tibial attachment of posterior cruciate ligament
Ryuichihiro AKAGI, Yuta MURAMATSU, Takahiro ENOMOTO, Shotaro WATANABE, Yoshimasa ONO, Aya SADAMASU, Yuya OGAWA, Seiji KIMURA, Satoshi YAMAGUCHI, Seiji OHTORI, Takahisa SASHO (JAPAN)

12:25 Multiligament injured knee role for biceps femoris re-routing in postero-lateral corner reconstruction
Amr KANDEEL (EGYPT)

12:30 Does timing from anterior cruciate ligament (ACL) injury to surgery affect the outcome of arthroscopic ACL reconstruction? A prospective short-term outcome study
Madhusu JAYASEKARA, Dilshan MUNIDASA (SRI LANKA)

12:35 Evaluation of patellar tendon graft 21 years following anterior cruciate ligament reconstruction
Gunjar JAIN, Hira Lai NAG, Sandeep Kumar KANUGULA, Shubhankar SHEKHAR (INDIA)

12:40 Accuracy of tibial tunnel and femoral tunnel placement in arthroscopic anterior cruciate ligament reconstruction in patients more than 40 years and its correlation with functional outcome
Sunil KRISHNAMURTHY (INDIA)

12:45 Arthroscopic transosseous repair of acromio-clavicular joint injury
Deepak RANGASWAMY, Bhavesh JHA, Ayman EBEID, Adel EL SEEDI, Amro SABER (EGYPT)

12:50 Improved functional outcome by proximal humeral fracture treated by PHILOS and PMMA augmentation
Stoyan HRISTOV (BULGARIA)

12:55 Modified technique for coracoclavicular ligament transfer in fresh acromioclavicular joint dislocation
Thejaswi SHANTHAKUMAR GAYATHRI (INDIA)

13:00 Figure of eight repair of acromio-clavicular joint using palmaris longus tendon graft: a new surgical technique
Sadiq MOHAMMED, Nayemuddin MOHAMMED (INDIA)
14:25 Severe glenoid bone loss during total shoulder arthroplasty: is bone grafting still an option? 
Devdatta Suhas NEOGI¹, Rye YAP², Andreas FONTALIS², Madhavan MADHAVAN PAPANNA², Daniel MORRELL², David THYAGARAJAN²¹ (INDIA), ¹(UNITED KINGDOM)

14:30 Mesh-plasty as a shoulder stabilisation technique following hemiarthroplasty of shoulder 
Dibya Singha DAS, Satya Ranjan PATRA, Manoj MADINI, Naresh Kumar PANIGRAHI, Indranil DEY, Udit UPADHYAYA, Siddhartha Shankar MOHANTY, Hemanta Kumar BAMIĐI (INDIA)

14:35 Results of Copeland shoulder resurfacing arthroplasty in sickle cell patients with humeral head avascular necrosis 
Ayman AL AMRI, Ahmed AL HADITYH, Sultan AL MASKARI (OMAN)

14:40 Tilt angles of the bipolar radial head prosthesis correlate with radiocapitellar instability 
Jungyu MOON, Hee-Dong LEE, An-Sung J ANG (SOUTH KOREA)

14:45 Short term outcomes of reverse shoulder arthroplasty (RSA): does the functional outcome differ among the indications for surgery? 
Siddharth GUPTA²¹, Arpit JARIWALA²¹ (INDIA), ¹(UNITED KINGDOM)

14:50 Bone allograft reconstruction in shoulder and elbow surgery 
Devdatta Suhas NEOGI¹, Maulik GANDHI¹, Alistair EYRE-BROOK¹, Hassan SHEIKH¹, David THYAGARAJAN²¹ (INDIA), ¹(UNITED KINGDOM)

14:55 Metal back glenoid anatomical total shoulder replacement: a single surgeon series with mean three-year follow-up 
Devdatta Suhas NEOGI¹, Maulik GANDHI¹, Alistair EYRE-BROOK¹, Hassan SHEIKH¹, Andreas FONTALIS¹, David THYAGARAJAN²¹ (INDIA), ¹(UNITED KINGDOM)

15:00 Clinical and radiological short-term results of stemless shoulder arthroplasty 
Yongjin PARK, Young-Rok SHIN, Myung-Sun KIM (SOUTH KOREA)

15:05 Results of 59 consecutive arrow anatomical total shoulder replacement for primary osteoarthritis — a single surgeon series 
Ravi PANDIT, Mohammed AL MUSTAFA (UNITED KINGDOM)

15:10 Shoulder arthroplasty: the Wolverhampton Royal experience 
Michael WEEKES, Manpreet SIDHU, Madeline BICKLEY, Malik SHAHBAZ, Timothy MCBRIDE (UNITED KINGDOM)

15:15 Arthroscopic extra-articular tenodesis of the long head of the biceps tendon: a case study assessing single anterolateral portal technique 
George EL RASSI (LEBANON)

15:20 Superior shoulder suspensory complex disruption 
John George Grace MASSOUD¹, Tarek Mohamed Samy NOUR EL DEEN², Mohamed Fawzy Mohamed KHATTAB²¹ (OMAN), ²(EGYPT)

15:25 Surgical treatment of fractures of the upper end of the humerus 
Mohamed Amine EL HALEMI (MOROCCO)

16:00 Use of the ideal framework to guide safe introductions of novel innovations in knee surgery: TOKA® - a patient specific 3D printed system for high tibial osteotomy 
Johnny MATHEWS, Alisdair MACLEOD, Alberto CASANATO, Vipul MANDALIA, Andrew TOMS, Richie GILL (UNITED KINGDOM)

16:05 Top 10 research priorities for problematic knee replacements: a priority setting partnership led by the British Association for Surgery of the Knee (BASK) and the James Lind Alliance (J LA) 
Johnny MATHEWS, Andrew TOMS, Revision Knee Replacement Priority Setting Partnership (UNITED KINGDOM)

16:10 Comparative analysis of accuracy of patellar index measurements using multiplanar MRI scan 
John EDMIN, Carol PHILLIPS, Roy POWELL, Vipul MANDALIA (UNITED KINGDOM)

16:15 Functional computer diagnostics of the knee endoprosthesis loosening 
Yaroslav RUKIN, Vera BACHIALLOVA, Valery MURYLEV, Alexey LYCHAGIN, Grigory ZACHAROV (RUSSIA)

16:20 Popliteal artery thrombosis — post TKR — series of cases 
Nithin SUNKU (INDIA)

16:25 Measures to reduce infection rates in knee and hip arthroplasty 
Ahmed Youssry SABER¹, Essam ZAHER², Ashraf TAHER²¹ (UNITED KINGDOM), ²(KUWAIT)

16:30 Comparison of UKA and HTO in medial knee OA by Forgotten Joint Score 12 
Shotaro WATANABE, Ryoichiro AKAGI, Yoshimasa ONO, Yuya OGAWA, Aya SADAMASU, Seiji KIMURA, Satoshi YAMAGUCHI, Seiji OHTORI, Takahisa SASAHO (JAPAN)

16:35 Oncological lower limb salvage with use of megaprostheses for tumours around the knee: 10-year experience at National Institute of Rehabilitation Medicine, Islamabad, Pakistan 
Faridullah KHAN (PAKISTAN)

16:40 Effect of pre-operative serum vitamin-D levels on post operative outcome in total knee arthroplasty 
J unaid KHAN, Riaz AHMED (PAKISTAN)

16:45 A study on knee anthropometry in Indian population and its comparison with other ethnic groups and current TKR implants – a CT based study 
Ratanakar VECHAM, Guravaddedy ANNAPAREDDY, Sukesh RAO SANKINEANI (INDIA)

16:50 Total knee replacement and experience from Afghanistan 
Emad WARDAK (AFGHANISTAN)

16:55 Does a 24-hour post-operative intra-articular local anaesthetic infusion affect patient length of stay or Oxford Knee Score following enhanced recovery primary total knee arthroplasty? 
Shoaib IQBAL, Sameer KHAN, Richard HOLLEYMAN, Mike REED (UNITED KINGDOM)

17:00 Genu recurvatum following primary total knee arthroplasty: a potential indication for isolated polyethylene exchange 
Seyed Mohammad Javad MORTAZAVI, Ali OKATI, Ehsan GHADIMI (IRAN)

17:05 Total knee replacement surgery in patients with varus recurvatum deformity — challenges and early results 
Ravprakash YOLAROTTI, Chikkamuniyappa CHANDRASEKAR (INDIA)

17:10 12-year outcome and survivorship analysis of hip and knee replacement based on the Egyptian Community Arthroplasty Registry 
Mahmoud Abdel HAFEZ, Nada IBRAHIM (EGYPT)

17:15 Does total knee arthroplasty reduce fall risk? 
William HODGE, Estefania MEZA, Mathew ADAMS, Claire HONEYCUTT (UNITED STATES)

17:20 Role of tranexamic acid in knee arthroplasty: topical vs oral 
Rakesh GUPTA (INDIA)
**08:00 - 10:00**

**Short Free Paper Session — Trauma 1**

**Moderators:** Amjad HOSSAIN (BANGLADESH), Nasser ALSUBAI (QATAR)

08:00 A modified Masquelet technique for the forearm infected segmental bone loss  
Ahmad ALLAM (EGYPT)

08:05 Evaluation of functional outcome and histological features of induced membrane in patients managed with Masquelet technique  
Anupam GUPTA, Vivek TRIKHA, HI NAG, Arulseelvi JAYAKUMAR (INDIA)

08:10 Outcome of non vascularised autologous fibula graft in treatment of gap non-union: a case series  
Ek Nath PAWAR, Bipul SHET, Amit YADAV, Nadir SHAH, Ayush SINGH, Naved ANSARI (INDIA)

08:15 Limb salvage in late presenting vascular injuries: how late is really late? A prospective 12-case experience  
Shambhu SINGH, Sibasish META (INDIA)

08:20 Running versus interrupted allgower suture technique in ankle fracture surgery: a randomised controlled trial assessing peri-incisional perfusion using intra-operative angiography in 26 ankle fracture patients  
Sorawut THAMYONGKIT, Babar SHAFAQ, Kitchai LUKSAMAEERUNOTHAI, Erik HASENBOEHLER (UNITED STATES)

08:25 Reuniting ununited post nailing aseptic diaphyseal fracture femur/tibia by augmentation plating  
Krishna Kumar MITTAL (INDIA)

08:30 Colchester Hospital audit on orthopaedic post-operative notes  
Muhammad MOHAMMED YASEEN, Shuaib NOOR (UNITED KINGDOM)

08:35 Colchester Hospital audit of orthopaedic surgical-site marking  
Shuaib NOOR (UNITED KINGDOM)

08:40 Role of sign in improving rural orthopaedic trauma care  
Bhaskar PANT, Mandeep PATHAK (NEPAL)

08:45 Role of ultrasound in detection of radiolucent foreign bodies in extremities  
Qazi Manna MASOOD, Mehraj TANTRAY (INDIA)

08:50 Audit of compartment syndrome in a district general hospital  
Amr ABOUELELA, Michiel SIMONS, Eslam AHMED, Andrew MCMURTRIE (UNITED KINGDOM)

08:55 Management of complex diaphyseal humerus non-unions with autologous intramedullary fibular strut grafting and locked plating  
Deepak KAKI, Karan SHETTY (INDIA)

09:00 The impact of malnutrition on surgical site complications in orthopaedic trauma patients with femoral shaft fractures  
Boris ZELLE, Trevor BOUCK, Nikhil GUPTA, Khang DANG, Samuel ORNELL, Ryan EGBERT (UNITED STATES)

09:05 Total elbow replacements — 10-year follow-up  
Azeem TAHIR, Satyanaranya ANNAPUREDDY, Shuaib NOOR, Jeremy STANTON (UNITED KINGDOM)

09:10 The anatomical region influences the interobserver variability of AIS  
Roman PFIEFER³, Eftychios BOLIERAKIS⁴, Sylvia SCHICK⁴, Frank HILDEBRAND⁴, Hans-Christoph PAPE¹  
¹(SWITZERLAND), ²(GERMANY)

09:15 Development of a Virtual Fracture Clinic (VFC) service at an NHS district general hospital  
Sampali SRIDHAR, Katharine WILCOCKS, Neal JACOBS, Ahmed ELMORSY, Leonidas VAYTSEVANOS, Katharine SHEAN, Lucie PATRICK, Mohamed ABDELMOLEN (UNITED KINGDOM)

09:20 Spectrum of occupational peripheral nerve injuries due to metallic foreign body  
Archit AGARWAL (INDIA)

09:25 Comparison of lateral entry nail and piriformis nail for femoral fractures — is it better?  
Sanjay YADAV, Saurabh SINGH, Rajkumar ARYA, Mohit KUMAR (INDIA)

09:30 Primary shortening — secondary lengthening as the method of choice for treatment of big defect of long bone and soft tissue of extremities  
Enver SABIC, Nedzad SABIC (BOSNIA)

09:35 Long bone defect management by Masquelet technique  
Allahgoni j acob SOKWO¹, Davou Gyang SHA², Vikas KHANDU², Alan NORRISH²  
¹(NIGERIA), ²(UNITED KINGDOM)

09:40 Endoprosthetic replacement of femur for non-oncological indications — major trauma centre experience  
Rajkumar THANGARAJ, Nameer CHOUDHRY, David MELLING, Paul CARTER, Simon SCOTT, James FOUNTAIN (UNITED KINGDOM)

09:45 The mangled extremity severity score - time for a revision  
Gerwin Alexander BERNHARDT, Gloria HOKENBERGER, Peter KONSTANTIUK, J anos CAMBIASO-DANIEL, Veronika MATZI, Angelika SCHWARZ, Renate KRASSNIG, David LUMENTA, Tina COHNERT (AUSTRIA)

09:50 The Gertality score — a feasible and adequate tool to predict mortality in geniatric trauma patients  
J ulian SCHERER¹, Yannik KALBAS¹, Franziska ZIEGENHAIN¹, Valentin NEUHAUS², Rolf LEFERING², Michel TEUBEN², Kai SPRENGEL¹, Hans-Christoph PAPE¹, Kai Oliver J ENSEN¹  
¹(SWITZERLAND), ²(GERMANY)

**10:30 - 12:00**

**Young Surgeons Committee Symposium — Difficult Case Discussions in THAs**

**Moderators:** Fares HADDAD (UNITED KINGDOM), Mohamed SUKEIK (SAUDI ARABIA)

**Expert panel**

Matthew MORREY (UNITED STATES)
James POWELL (CANADA)
Andre FERREIRA (FRANCE)
Zachary POST (UNITED STATES)
Amar RANAWAT (UNITED STATES)

10:30 Case 1  
Mustafa CİTAK (GERMANY)

10:40 Case 2  
Gandhi SOLAYAR (MALAYSIA)

10:50 Case 3  
Ahmed ALABDALI ALGHAMDI (SAUDI ARABIA)

11:00 Case 4  
Oliver MARIN-PENA (SPAIN)

11:10 Case 5  
Anastasia RAKOW (GERMANY)

11:20 Case 6  
Raja Bhaskara Kanakeshwar RAJASEKARAN (INDIA)

11:30 Case 7  
Ahmed ABDELAEZEM (EGYPT)

11:40 Case 8  
Mohammadain ENAYATOLLAHI (IRAN)

11:50 Final remarks  
Fares HADDAD (UNITED KINGDOM)
14:00 - 15:30
Young Surgeons Committee Symposium — Virtual Workshop: Literature Searching Techniques and Databases

Moderators: Fatih KUCUKDURMAZ (TURKEY), Mohamed SUKEIK (SAUDI ARABIA)

14:00 Cochrane
- Mohamed SUKEIK (SAUDI ARABIA)

14:10 PubMed
- Fatih KUCUKDURMAZ (TURKEY)

14:20 RSS feeds and Google Scholar
- Mustafa ALNAIB (UNITED KINGDOM)

14:30 Scopus
- Ismail TURKMEN (TURKEY)

14:40 Web of Science
- Chris O’DOWD-BOOTH (UNITED KINGDOM)

14:50 Grey Literature
- Temiloluwa OLUFEMI (NIGERIA)

15:00 Practical session

15:25 Final remarks
- Fatih KUCUKDURMAZ (TURKEY)

16:00 - 17:30
Young Surgeons Committee Symposium — Training the Next Generation

Moderators: Ashok J OHARI (INDIA), Mohamed SUKEIK (SAUDI ARABIA)

16:00 Innovating education
- Ashok J OHARI (INDIA)

16:08 Digital literacy and training: retooling how and what to teach
- Frankie Ka Li LEUNG (HONG KONG)

16:16 Challenges and educational needs
- Tatiana GUERSCHMAN (BRAZIL)

16:24 Training the next generation of healthcare leaders
- Mohamed SUKEIK (SAUDI ARABIA)

16:32 The key to successful implementation of the SICOT curriculum
- Vikas KHANDUJA (UNITED KINGDOM)

16:40 Training the trainers
- Marc PATTERSON (UNITED KINGDOM)

16:48 Evaluating learning and change in orthopaedics: what is the evidence-based?
- Epaminondas Markos VALSAMIS (UNITED KINGDOM)

16:56 Final remarks
- Ashok J OHARI (INDIA)

Dry Hip Arthroscopy Labs | Thursday, 5 December | Meeting Room 10+11

08:00 - 10:30
Instructional Course — Dry Hip Arthroscopy Lab

Instructors: Emmanuel AUDENAERT (BELGIUM), Marc TOMPKINS (UNITED STATES), Ajay MALVIYA (UNITED KINGDOM), Satish KUTTY (UNITED KINGDOM)

08:00 Lecture: Portals and arthroscopic anatomy
08:15 Lecture: Addressing the cam
08:30 Lecture: Pincer and labral repair
08:45 Hands-on skill training

14:00 - 16:30
Instructional Course — Dry Hip Arthroscopy Lab

Instructors: Emmanuel AUDENAERT (BELGIUM), Oliver MARIN-PENA (SPAIN), Ajay MALVIYA (UNITED KINGDOM), Tony ANDRADE (UNITED KINGDOM)

14:00 Lecture: Portals and arthroscopic anatomy
14:15 Lecture: Addressing the cam
14:30 Lecture: Pincer and labral repair
14:45 Hands-on skill training

Knee-Shoulder Cadaver Lab | Thursday, 5 December | Sultan Qaboos University Hospital

08:00 - 12:00
Instructional Course — Knee Arthroscopy Cadaver Lab

Moderators: Tim DEAKON (CANADA), Sultan AL-MASKARI (oman), Fernando ROSA (BRAZIL)

Instructors: Amr RASHWAN (EGYPT), Rodrigo MONTIEL (BRAZIL), Tim DEAKON (CANADA), Peter YAU (HONG KONG)

(For course details see page 8)
Instructional Course — Shoulder Arthroscopy Cadaver Lab

Moderator: Ayman AL-AMRY (OMAN), Gabriel RIFFEL (BRAZIL)
Instructors: Khaled SHOHAYEB (EGYPT), Deepak BHATIA (INDIA)

(For course details see page 9)

Instructional Course — Knee Arthroscopy Cadaver Lab

Moderators: Tim DEAKON (CANADA), Sultan AL-MASKARI (OMAN), Fernando ROSA (BRAZIL)
Instructors: Ayman EBIED (EGYPT), Sofiene KALLEL (TUNISIA), Sweillam AL GHANNAMI (OMAN), Fabio SCIARRETTA (ITALY)

(For course details see page 8)

Instructional Course — Shoulder Arthroscopy Cadaver Lab

Moderator: Ayman AL-AMRY (OMAN), Gabriel RIFFEL (BRAZIL)
Instructors: Ahmad KHATER (EGYPT), Srinath KAMINENI (UNITED STATES)

(For course details see page 9)

Hands-on Ponseti Clubfoot Workshop | Thursday, 5 December | Junior Ballroom A

Instructional Course — Hands-on Ponseti Clubfoot Workshop

Instructor: Matthew DOBBS (UNITED STATES)

Introduction to clubfoot and the Ponseti method, foot anatomy and definitions, pathoanatomy, method of manipulation, applying casts, tenotomy, maintenance using Foot Abduction Braces and identification of common problems

Trauma | Friday, 6 December | Auditorium

Short Free Paper Session — Trauma 2

Moderators: Garnet TREGONNING (NEW ZEALAND), Vivek TRIKHA (INDIA)

07:00 Complications in the management of closed high-energy proximal tibial plateau fractures: a retrospective study
Rahman Rasool AKHTAR, Umer SHAFIQUE (PAKISTAN)

07:05 Correlation of orthopaedic injuries with mode and mechanism of trauma in road traffic accidents using CDC-WHO injury surveillance guidelines and ICECI
Prateek AHLAWAT (INDIA)
07:10  The impact of introduction of pre-hospital trauma life support (PHTLS) algorithms on pre-hospital care in a European metropolitan area
Michel Paul Johan TEUBEN, Nicholas LOEHR, Kai J ENSEN, Martin BRUESCH, Roman PFEIFER, Stefan MÜLLER, Hans-Christoph PAPE, Kai SPRENGEL (SWITZERLAND)

07:15  Factors affecting the amount of radiation exposure from fluoroscopy during intramedullary nailing of isolated tibia fractures
Waleed ASAD, Ahmad ELSAYED, Ahmad ABDULAZIZ (QATAR)

07:20  Designing and using the pedicle mini-flap for taking pressure off the pedicle in distally based skin flaps
Wang PEI (CHINA)

07:25  The use of social media while driving: an orthopaedic resident’s perspective on ‘the dangers of driving and using social media’
Muhammad TAHIR (PAKISTAN)

07:30  Pelvic/acetabular injuries in a Seha (UAE / Abu Dhabi) Governmental Hospital – our experience
Ihab ABBAS, Husam RAHMEH (UNITED ARAB EMIRATES)

07:35  Treatment for unstable comminuted distal femur fractures: dual plate fixation
Romit AGRAWAL, Vijay SINGH, Ayush SHARMA, Nilesh MANGALE, J et savLA, Priyank DEEPAK, Shorab SINHA, Ajay J AISWAL (INDIA)

07:40  Surgical vs non-surgical treatment of ankle fractures in patients above 50 years: a systematic review and meta-analysis
Maged MEKHAIMAR, Abduljabar ALHAMMoud, Motasem SALAMEH, Abdulaziz AHMED, Osamah ALDAHAMSHEH, Ghali卜 AHMED, Karim MAHMOUD (QATAR)

08:00 - 10:00

Free Paper Session — Trauma 2

Moderators: Narender MAGU (INDIA), Wael AZZAZI (J ORDAN), Shanmuganathan RAJ ASEKARAN (INDIA)

08:00  Keynote lecture: The Ganga hospital score and how it has influenced care of open injuries
Shanmuganathan RAJ ASEKARAN (INDIA)

08:15  Regional blood flow changes in various body regions associated with reperfusion injury in a standardised animal model
Sascha HALVACHIZEDEH, Michel TEUBEN, Yannik KALBAS, Hans-Christoph PAPE, Roman PFEIFER (SWITZERLAND)

08:23  A study on life saving emergency interventions in multiply injured patients – how are they distributed?
Sascha HALVACHIZEDEH, Kai-Oliver J ENSEN, Basil HATZ, Ladislav MICA, Hans-Christoph PAPE, Kai SPRENGEL (SWITZERLAND)

08:31  Infected defected non union – classification, strategy treatment according to Sabin (Fix AS) – follow-up of 25 years
Nedzad SABIC, Enver SABIC (BOSNIA)

08:39  Ocal versus systemic inflammation in a standardized porcine trauma model: is there a discernible effect of the magnitude of injuries?
Sascha HALVACHIZEDEH, Michel TEUBEN, Yannik KALBAS, Hans-Christoph PAPE, Roman PFEIFER (SWITZERLAND)

08:47  Analysis of preventability of preclinical trauma deaths
Roman PFEIFER, Sascha HALVACHIZEDEH, Kai SPRENGEL, Neuhaus Valentin NEUHAUS, Kai Oliver J ENSEN, Hans-Christoph PAPE (SWITZERLAND)

08:55  Retrograde femoral nails for emergency stabilisation in multiply injured patients with haemodynamic instability
Rahil MUZAFFAR, Sultan AL MASKARI, Ahmed YASEEN (OMAN)

09:03  Rib fracture fixation improves chest wall function - major trauma centre experience
Rajkumar THANGARAJ, Graham MILWARD, Simon SCOTT, Sharon SCOTT, David MELLING (UNITED KINGDOM)

09:11  DCO concept for gunshot injuries: results for early conversion from external to internal fixation
Lotfi NOUSIRI (TUNISIA)

09:19  The influence of the nutritional status on the outcome of polytraumatised patients: BMI vs fat distribution
Sija SEINEN, Orkun ÖZKURTUL, J örg BÖHME, Philipp PIEROH, Christoph J OSTERHOFF, Tonja WEBER, Christoph J OSTEN, J ohannes FAKELE (GERMANY)

09:27  Clinical outcome of patients after on scene resuscitation undergoing traumatic cardiac arrest – yes, it is worth it
Orkun ÖZKURTUL, Georg OSTERHOFF, Tonja WEBER, Christoph J OSTEN, J ohannes FAKELE (GERMANY)

09:35  Prevalence and influence of comorbidities in polytrauma patients on survival rates: experiences of a level 1 trauma center
Valerie WEIH, Viola HABERMAYER, Michel DEDEYAN, Nikolaus LANG, Stephan FRENZEL, Martin FROSSARD, Thomas HEINZ, Stefan HAJ DU (AUSTRIA)

09:43  Geriatric polytrauma patients: experiences from a level 1 trauma center
Thomas HEINZ, Valerie WEIH, Viola HABERMAYER, Michel DEDEYAN, Nikolaus LANG, Stephan FRENZEL, Stefan HAJ DU (AUSTRIA)

09:51  A data based assessment of four grading scores of polytraumatised patients
Sascha HALVACHIZEDEH, Larissa BARADARAN, Paolo CINELLI, Roman PFEIFER, Hans-Christoph PAPE (SWITZERLAND)

09:59  Changes in trauma management following the implementation of the whole-body computed tomography: a retrospective multicentre study based on the trauma registry of the German Trauma Society (Traumaregister DGU ®) Patricia LANG (GERMANY)

10:00 - 12:00

SICOT Instructional Symposium — Fractures below the Knee (in partnership with the SICOT Foot and Ankle Group)

Moderator: Gowreeson THEVENDRAN (SINGAPORE)

10:30  Floating knee injuries
Dariush GOURAN (IRAN)

10:40  ORIF in tibial plateau fractures — planning and strategy
Stephan FRENZEL (AUSTRIA)

10:50  Amputation vs reconstruction
Roman PFEIFER (SWITZERLAND)

11:00  How I manage neglected compartment syndrome of the leg
Nikesh SHAH (INDIA)

11:10  How I manage a long standing hindfoot malunion
Anish KADAKIA (UNITED STATES)

11:20  How I manage a chronically loose ankle
Paulo FERRAO (SOUTH AFRICA)
11:30 Case based lecture and podium discussion: are there any geographical influences on fracture management?

12:00 — 12:30

**Plenary Session 2**

**Moderators:** Shanmuganathan RAJ ASEKARAN (INDIA), Vikas KHANJUJA (UNITED KINGDOM)

12:00 Childhood hip disease and its relation to adult osteoarthritis: looking forwards, looking backwards
Vivek TRIKHA (UNITED STATES)

12:30 — 13:00

**Research Academy Session**

12:30 Research Academy Awards
Matthew DOBBS (UNITED STATES), Shanmuganathan RAJ ASEKARAN (INDIA)

YOUNG INVESTIGATOR AWARD: Role of alendronate/teriparatide in steroid induced osteoporosis in developing countries
Abdul QADIR (PAKISTAN)

BASIC SCIENCE AWARD: Basic science: the periprosthetic osteolysis
Ghanshyambhai KAKADIYA (INDIA)

CLINICAL SCIENCE AWARD: Comparative evaluation of outcome of flexor tendon repair with or without amniotic membrane wrap
Saket PRAKASH (INDIA)

14:00 — 15:30

**SICOT Instructional Symposium — Pelvic Ring Fractures**

**Moderator:** Hans-Christoph PAPE (SWITZERLAND)

14:00 Why I use computer-assisted surgery for pelvic fractures
Roman PFEIFER (SWITZERLAND)

14:10 Pelvic ring injuries: specifics in southern USA
Boris ZELLE (UNITED STATES)

14:20 Pelvic fractures in India: how do we manage?
Vivek TRIKHA (INDIA)

14:30 Pelvic ring injuries: specifics in an urban European trauma centre
Hans-Christoph PAPE (SWITZERLAND)

14:40 Case based lecture and podium discussion
Hans-Christoph PAPE (SWITZERLAND)

14:50 Case based lecture and podium discussion
Cyril MAUFFREY (UNITED STATES)

15:00 Case presentation: a plea for minimal invasive fixation
Cyril MAUFFREY (UNITED STATES)

15:10 Case presentation: a plea for ORIF
Jordan SAVESEKI (MACEDONIA)

16:00 — 17:30

**Free Paper Session — Trauma 3**

**Moderators:** Julio RIBES-IBORRA (SPAIN), Vivek TRIKHA (INDIA)

16:00 Improved terror preparedness by education of in-hospital decision makers with a table-top exercise: the Terror and Disaster Surgical Care (TDS®) - course
Gerhard ACHATZ, Benedikt FRIEMERT (GERMANY)

16:08 Lipid profile changes in patients with plantar fasciitis: a case control study
Seyyed Hadi SEYED HOSEINIAN, Amir Reza KACHOOGH, Aileza MOUSAVIAN (IRAN)

16:16 The outcome of primary intramedullary nailing of open tibial and femoral fractures in an austere environment
Muhammad HASEEB¹, Khurshid BHAT², Omeshwar SINGH², Khalid MUZZAFAR², Bias DEV³, Abdul GHANI¹
¹(UNITED KINGDOM), ²(IRAN)

16:24 The current situation and future challenges of the trauma system in Sri Lanka
Ishfa IFHAM¹, Azeem THAHIR²
¹(BANGLADESH), ²(UNITED KINGDOM)

16:32 Management of gunshot fractures of long bones
Filip BURGET (CZECH REPUBLIC)

16:40 Outcome of simultaneous treatment of multiple severely injured trauma patients — an analysis of the German Trauma Registry
Teuben MICHEL PAUL J OHAN¹, Carsten MAND², Alba SHEHU², Roman PFEIFER¹, Steffen RUCHHOLTZ³, Roif LEFERING³, Hans-Christoph PAPE³, Kai J ENSEN³
¹(SWITZERLAND), ²(GERMAN)

16:48 Triage in mass casualties incidents
Filip BURGET (CZECH REPUBLIC)

16:56 Violence against health personnel and facilities in Libya
Mohamed RASHED, Mohamed BASHAGHA, Abdulhameed LAYAS (LIBYA)

17:04 Kermanshah earthquake: a report of musculoskeletal injuries and orthopedic management in Taleqani Hospital, the trauma center of Kermanshah, West Iran
Seyyed Saeed KHABIRI, Monire YAGHOUBI (IRAN)

17:12 Iatrogenic median nerve injury as a result of venous cut down procedure: a rare case report
Akash SINGHAL, Anubhav MALHOTRA (INDIA)

17:20 Functional and radiological outcome of Schatzker type V & VI tibial plateau fractures treated with dual plating
Devendra AGRAHARAM, J ayamaraju DHEENADHAYANL, Shanmuganathan RAJ ASEKARAN (INDIA)

17:28 Cement augmentation in osteoporotic intertrochanteric fractures — a simple yet effective technique
Rakesh GUPTA (INDIA)

DMI’S / Hip | Friday, 6 December | Grand Ballroom Hall A1
07:00 - 08:00

**Partner Society Symposium – DMIS**

**Moderator:** Chahine ASSI (LEBANON)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Details</th>
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<tbody>
<tr>
<td>07:00</td>
<td>Welcome &amp; president address by Jean-Louis PRUDHON (FRANCE)</td>
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<tr>
<td>07:05</td>
<td>Literature review actualities by Jacques CATON (FRANCE)</td>
</tr>
</tbody>
</table>
| 07:10 | Dual mobility around eastern Mediterranean Sea and Arabic countries (round table)
  - Chahine ASSI (LEBANON)
  - Ajinder LUTHRA (OMAN)
  - Ayman EBIED (EGYPT)
  - Osama ALSHAIA (SAUDI ARABIA)
  - Lyes AIT EL ADJ (ALGERIA)
  - Fatih KUCUKDURMAZ (TURKEY) |
| 07:52 | Discussion and conclusion by Jean-Louis PRUDHON (FRANCE) |

**08:00 - 10:00**

**Free Paper Session — Hip 3**

**Moderators:** Rajesh MALHOTRA (INDIA), Ajay MALVIYA (UNITED KINGDOM)

<table>
<thead>
<tr>
<th>Time</th>
<th>Paper Title</th>
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<tbody>
<tr>
<td>08:00</td>
<td>Keynote lecture: When less is more: being conservative in arthroplasty by Rajesh MALHOTRA (INDIA)</td>
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<tr>
<td>08:15</td>
<td>Total hip arthroplasty in association with digastic trochanteric osteotomy and proximal shortening: a solution for old hip dysplasia by Afshin TAHERIAZAM, Farshad SAFDARI (IRAN)</td>
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<tr>
<td>08:23</td>
<td>Low friction arthroplasty and dual mobility cup: a new gold standard by Jean Louis PRUDHON, Regis VERDIER, Jacques CATON (FRANCE)</td>
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<tr>
<td>08:31</td>
<td>Long-term survival of a cementless straight stem with a collar: a continued and multicentric series of 369 THA at a minimum follow-up (FU) of 15 years by Jean Marc PUCH, Guy DERHI, Loïs DESCAMPS, Jacques CATON (FRANCE)</td>
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<td>08:39</td>
<td>Bone remodelling with the C-stem polished triple-tapered implant: a 13- to 18-year follow-up study by David SOCHART (UNITED KINGDOM)</td>
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<td>08:57</td>
<td>Medium-term outcome of large head ceramic-on-metal primary total hip arthroplasty: a non-comparative prospective study by Ahmed MAGAN, Rishi AGGREWAL, Alun J OHN (UNITED KINGDOM)</td>
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<tr>
<td>08:55</td>
<td>Comparative analysis of shortening osteotomies types outcomes in total hip replacement in patients with congenital hip dislocation by Dmitri MARKOV, Ksenia ZVEREVA (RUSSIA)</td>
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<tr>
<td>09:03</td>
<td>Clinical and radiological outcomes of total hip arthroplasty using a monoblock stem and femoral osteotomy in Crowe type-IV hip dysplasia by Abdulrahman ALGARNI (SAUDI ARABIA)</td>
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</table>

**09:11** | Lifetime risk of re-operation for ceramic-on-polyethylene versus ceramic-on-ceramic bearings: study of 8489 primary hips in a 30-year follow-up period by Phillipe HERNIGOU, Charles Henri FLOUZAT LACHANINETTE (FRANCE) |

**09:19** | Improved patient-reported outcomes after total hip replacement in Sweden by Ola ROLFSON, Daniel Sj ÖGREN, Daniel ODIN, Maziar MOHADDES (SWEDEN) |

**09:27** | The use of POLARSTEM hip stem and R3 acetabular component for total hip arthroplasty is associated with higher gains in patient-reported outcome measures compared to the class average for cementless implants by Diarmuid DE FAOITE, Christopher SAUNDERS, Amir KAMALI (SWITZERLAND), Frederic TROISIÈRES (UNITED KINGDOM) |

**09:35** | Effects of rotational torque on the geometry of unstable intertrochanteric fracture fixation — a comparative study on right and left hip fractures by Sanjay SONANIS, Taha MIR, Abdul WAHAB (UNITED KINGDOM) |

**10:30 - 12:00**

**SICOT Instructional Symposium — Hip Osteonecrosis**

**Moderators:** Jacques CATON (FRANCE), Fatih KUCUKDURMAZ (TURKEY)

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<tr>
<td>10:30</td>
<td>Introduction by Jacques CATON (FRANCE)</td>
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<td>10:40</td>
<td>Classification by Mohamed SUKEIK (SAUDI ARABIA)</td>
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<td>10:50</td>
<td>Conservative treatment with cell therapy by Phillipe HERNIGOU (FRANCE)</td>
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<tr>
<td>11:00</td>
<td>Conservative treatment with core decompression and graft by Yasuhiro HOMMA (J APAN)</td>
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<td>11:10</td>
<td>Conservative treatment with femoral osteotomy by Phillipe HERNIGOU (FRANCE)</td>
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<td>11:20</td>
<td>Arthroplasty by Chahine ASSI (LEBANON)</td>
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<tr>
<td>11:30</td>
<td>Results and perspectives by Phillipe CHIRON (FRANCE)</td>
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<td>11:40</td>
<td>Discussion</td>
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**13:00 - 14:00**

**Industry-Sponsored Session**

<table>
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>14:00</td>
<td>How to Follow a Primary and Revision THA by Andre FERREIRA (FRANCE), Laszlo BUCSI (HUNGARY)</td>
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<td>14:00</td>
<td>Clinical scores (PMA, HHS, Iowa, Charnley, ASA...) by Andre FERREIRA (FRANCE)</td>
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</tbody>
</table>
14:10 Quality of life scores (Oxford, WOMAC, HOOS, Devane, Parker…)
   Syah BAHARI (MALAYSIA)
14:20 Radiological survey (Wear, LL, Osteolysis…)
   Alberto CARLI (UNITED STATES)
14:30 Radiological scores (Engh, Green, AAOS, Papovski, SOFCOT…)
   Alexandre NEHME (LEBANON)
14:40 Registries survey (what influence?)
   Ola ROLFSON (SWEDEN)
14:50 Revision for asymptomatic hip
   Afshin TAHERIAZAM (IRAN)
15:00 Revision for symptomatic hip
   Francesco FALEZ (ITALY)
15:10 Conclusion
   Andre FERREIRA (FRANCE)
15:20 Discussion
   Laszlo BUCSI (HUNGARY)

16:00 - 17:30

SICOT Instructional Symposium — Femoral Neck Fractures: What is Best?

Moderators: Andreas MAVROGENIS (GREECE), Narender MAGU (INDIA)

16:00 Classification
   Fatih KUCUKDURMAZ (TURKEY)
16:10 ORIF
   Phillippe HERNIGOU (FRANCE)
16:20 Hemiarthroplasties
   Lyes AIT EL HADJ (ALGERIA)
16:30 THA
   Domenico TIGANI (ITALY)
16:40 Dual-mobility cup
   Chahine ASSI (LEBANON)
16:50 Medico-economic issues
   Jacques CATON (FRANCE)
17:00 Indications (evolution)
   Andre FERREIRA (FRANCE)
17:10 Conclusion
   Nicolas REINA (FRANCE)
17:20 Discussion

Free Paper Session — Paediatrics 2

Moderators: Cloris KESSLER (BRAZIL), Indranil KUSHARE (UNITED STATES)

08:00 Keynote lecture: Managing malignant bone tumours: treatment and beyond
   Ajay PURI (INDIA)
08:15 Results of a standard versus accelerated Ponseti protocol in clubfoot: a prospective randomised study
   Qazi Manna MASOOD, Shahid MIR (INDIA)
08:23 Is a one-day training course useful in making skilful Ponseti providers? A retrospective study
   Sandeep LENKA, Gunjar JAIN (INDIA)
08:31 New histological findings in clubfoot deformity tissue — increase in the level of vascularity and newly detected proangiogenic pathways in the contracted side of the clubfoot
   Tomas NOVOTNY, Adam ECKHARDT, J armila KNITLOVA, Martin OSTADAL (CZECH REPUBLIC)
08:39 Can we predict which clubfoot patients are at risk of relapse? A retrospective study
   Shahbaz KHAN, Noppachart LIMPAHAYOM, Stewart SARA, Ali Khan MANSOOR, Matthew DOBBS
   (PAKISTAN, THAILAND, UNITED STATES)
08:47 Longitudinal overgrowth of the femur stimulated by a short-leg ambulation in children
   Mahmoud EL ROSASY, Ashraf KHANFOUR (EGYPT)
08:55 Historical and up to date stimulation of the distraction osteogenesis: research and practice in ilizarov Center (Kurgan)
   Alexander GUBIN, Dmitriy BORZUNOV, Evgeny OVCHENIKOV, Dmitry POPKOV, Andrey Emanov, Natalia KONONOVICH, Galina DIACHKOVA (RUSSIA)
09:03 Intramedullary magnetic nails for limb lengthening: our experience
   Gilberto COSTA, André COUTO, Jorge COUTINHO, J ana FREITAS, António SOUSA (PORTUGAL)
09:11 Surgical biomechanics in cerebral palsy — role of lever arm dysfunction
   Deepak SHARAN (INDIA)
09:19 Anterior knee pain in adults with cerebral palsy: a miraculous treatment?
   Joshua HYMAN, Ahmad BAYOMY, Hung CHUN WAI, Thejas HIREMATH, Danielle ANNIS, Fay CALLEJ O, Megan CAMPBELL, Nicole BAINTON, Hiroko MATSUMOTO, Lauren REDELER, Charles POPKIN, David ROYE (UNITED STATES)
09:27 Minimal invasive treatment to prevent spastic hip dislocation
   Peter BERNIUS, Vanessa GATTUNG, Nadine HERZIG, Michael POSCHMANN (GERMANY)
09:35 Minimal correlation between Pediatric Outcomes Data Collection Instrument (PODCI) and the Shriners Hospital Upper Extremity Evaluation (SHUEE) scores in children with hemiplegic cerebral palsy
   Jennifer KUS, Rameez QUDSI, Nancy LENNON, John KEE, Timothy NILLER, Julieanne SEES (UNITED STATES)

10:30 - 12:00

SICOT Instructional Symposium — Paediatric Orthopaedics

Moderators: Patricia FUCS (BRAZIL), Gamal HOSNY (EGYPT)

10:30 Mini-invasive surgery in children: arthroscopic tarsal coalition in children
   Jorge KNORR (SPAIN)
10:43 Infections in children: an update
   Reggie HAMDY (CANADA)
16:00 16:30 16:40 16:48 16:56 17:04 17:12
Cerebral palsy hips: salvage options
Patricia FUCS (BRAZIL)
Leg-length discrepancy in children: an update on techniques
Gamal HOSNY (EGYPT)
Pathological fractures in children: what to do?
Bulent EROL (TURKEY)
Surgical treatment of undescended scapula
Mohammed Ali AL-BAYATTI (IRAQ)
The effects of surgical treatment with chondroblastoma in children and adolescents in open epiphyseal plate of long bones
Shi RUI, Hong DUAN (CHINA)
Results of osteoclasis in correction of knee deformities
Abdel-Azim WAHSH (EGYPT)
Neuromonitoring for proximal fibular osteochondroma excision
Mihir THACKER, Carlos PARGAS, Chris MARKY, Kenneth ROGERS, Anthony DINARDO, Anthony SESTOKAS (UNITED STATES)
Surgical reconstruction ‘à la carte’ of severe idiopathic flexible flatfoot in children: a report of 34 cases
Djamel LOUAHEM M’SABAH (FRANCE)
Femoral head reduction in Perthes and Perthes-like deformities
Daniela DIBELLO1, Reinhold GANZ2
1(ITALY), 2(SWITZERLAND)

MSF / Sports Medicine | Friday, 6 December | Grand Ballroom Hall A3

07:30 - 08:00 Free Paper Session — Médecins-Sans-Frontières Symposium

Moderators: Maurice HINSENSKAMP (BELGIUM), Francois BOILLOT (FRANCE)

07:30 Médecins-Sans-Frontières’ Amman Project joint reconstructive program in war zone areas
Francois BOILLOT1, Ali MK AL ANI1, Hanna J ANHO2, Rasheed M FAKHRIR1, Patrick HERARD1
1(FRANCE), 2(ORDAN)

07:45 Ten years of reconstruction in Amman
Ali M K AL ANI1, Hanna J ANHO3, Rasheed M FAKHRIR1, Patrick HERARD1, Francois BOILLOT2
1(ORDAN), 2(FRANCE)

08:00 - 10:00 Free Paper Session — Sports Medicine 3

Moderators: James LOH (SINGAPORE), Vane ANTOLIC (TURKEY)

08:00 Keynote lecture: Management of meniscal pathology in footballers
Philippe NEYRET (FRANCE)

08:15 Double tunnel anatomical coracoclavicular ligament reconstruction with double tightrope suspensory fixation in acute AC joint dislocations
Nishit PALO, Sidharth CHANDEL, Bhaskar BORGHOAIN, Manoj PATEL (INDIA)
Outcomes of arthroscopic surgery in patients with joint laxity and hypermobility syndromes: a systematic review
Habibham SHOMANI¹, Prabir MARWAY², Vikas KHANDUJ A³ (UNITED STATES), ³(UNITED KINGDOM)

Medical support reduced low back pain in juvenile basketball players — five-year results
Kazuyuki WATANABE, Shin-Ichi KONNO (J APAN)

Radial nerve anatomy at the elbow joint and its arthroscopic relevance
Srinath KAMINENI, Ashfaq HAMZA, Satya ALLURLI, Vikas DHAWAN (UNITED STATES)

Arthroscopic anatomy of the median nerve and brachial artery neurovascular bundle at the elbow
Srinath KAMINENI, Ashfaq HAMZA (UNITED STATES)

Surgical management of chronic incomplete avulsion injuries of the proximal hamstrings
Atif AYUB, Babar KAYANI, Fares HADDAD (UNITED KINGDOM)

Dual bundle MPFL reconstruction: the angular arc of safety
Zhihong CHEW, Peilin Cheryl Marise TAN, Sir Young James LOH (SINGAPORE)

Early outcomes of arthroscopy surgery for femoro-acetabular impingement: a study using the non-arthroplasty hip registry (NAHR) dataset
Ajay MALVIYA, Richard HOLLEYMAN, Mark SOHATEE, Marcus BANKES, Vikas KHANDUJ A (UNITED KINGDOM)

The use of a mini all suture anchor reduces post-operative psoas irritation in patients undergoing hip arthroscopy for femoroacetabular impingement
Paul HAGGIS, Tony ANDRADE (UNITED KINGDOM)

Surgical repair of the adductor longus muscle ensures return to sport in male soccer players
Marcin DOMZALSKI, Patrycja SZKUTNIK, Sebastian ZABIEREK, J edrzej LESMAN (POLAND)

Are we doing correct indications for hip arthroscopic treatment? A national multicentric study
Oliier MARIN-PENA¹, Mohamed ABD EL-RADIG², Raul TORRES-EGUA³, J esus MAS-MARTINEZ², J avier SANZ-REIG², J uan RIBERA², Marc TEY-PONS³, Luis PEREZ-CARRO³, Boris GARCIA-BENITEZ² (SPAIN), ²(EGYPT)

Labral repair in femoroacetabular impingement; comparing patient outcomes between two different arthroscopic knotless suture anchors
Paul HAGGIS, Tony ANDRADE (UNITED KINGDOM)

Timing of ACL surgery in acutely injured patients has prognosis implications: a prospective study on elite players
Sourabh KIATRI, Ravi GUPTA, Anil KAPOOR, Aditya SINGHLA (INDIA)

10:30 - 12:00

SICOT Instructional Symposium — My Favourite ACL Reconstruction
Moderators: Stephen ABELOW (UNITED STATES), Julio FERNANDES (CANADA)

10:30 Technique 1
Stephen ABELOW (UNITED STATES)

10:38 Technique 2
Rene VERDONK (BELGIUM)

14:00 - 15:30

SICOT Instructional Symposium — Advances in Arthroscopic Management of Hip and Knee Injuries
Moderator: Vikas KHANDUJ A (UNITED KINGDOM)

14:00 Update on management of injuries to the MPFL
Teo Seow HUI (MALAYSIA)

14:10 Repairing the articular cartilage of the knee: where are we now?
J ulio FERNANDES (CANADA)

14:20 The internal bracing technique for ACL repair
Stephen MCDONNELL (UNITED KINGDOM)

14:30 Minimally invasive PAO for mild dysplasia
Ajay MALVIYA (UNITED KINGDOM)

14:40 Computer-assisted surgery and hip arthroscopy: an update
Vikas KHANDUJ A (UNITED KINGDOM)

14:50 Update on management of OCD
Marc TOMPKINS (UNITED STATES)

15:00 Osteotomy: a forgotten art for preservation of the knee
Milind CHAUDHARY (INDIA)

15:10 Discussion

16:00 - 17:30

Free Paper Session — Sports Medicine 4
Moderators: Stephen ABELOW (UNITED STATES), Parag SANCHETI (INDIA)

16:00 Clinical, imaging and histologic outcome of osteochondral lesions of the knee treated using the LIPO-AMIC technique
Fabio Valerio SCIARRETTA, Carella CINTIA, Sanchez MASSIMO, Campisi SILVANA (ITALY)

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16:08 Surgical management of distal hamstring (biceps femoris) non-avulsion tears at T-junction
Atif AYUB, Babar KAYANI, Fares HADDAD (UNITED KINGDOM)

16:16 Medial patellofemoral ligament (MPFL) reconstruction: are those patients happy?
Suwallim AL GHANIAMI, Ismail AL HABSI, Arafat ALFIKEY (OMAN)

16:24 The arthroscopic Latarjet: an international, multi-surgeon learning curve analysis
Epaminondas VALSAMIS¹, Jean KANY², Nicolas BONNEVILLE³, Roberto CASTRINCIP, Alexandre LÄDERMANN⁴, Gregory CUNNINGHAM⁵, Daniel SCHWARTZ⁶, George ATHWAL⁷, J oideep PHADNIS⁸
¹[UNITED KINGDOM], ²[FRANCE], ³[ITALY], ⁴[SWITZERLAND], ⁵[UNITED STATES], ⁶(CANADA)

16:32 Could it be an alternate for Latarjet procedure? A cadaveric study of open, arthroscopic-assisted and all-arthroscopic technical feasibility of biceps re-routing and tenodesis to the deficient antero-inferior glenoid
Amr KANDEEL, Wael EL-KHOLY, (EGYPT)

16:40 Arthroscopic repair of torn subscapularis tendon using all suture anchors
Amr OMAR (EGYPT)

16:48 Mini-open interval slide repair with progressive rehabilitation for treatment of massive rotator cuff tears
J Inwu WANG, Keming WAN, Han YANG, Yuanjing XU, Zezheng YANG (CHINA)

16:56 A meta-analysis of clinical success rates following meniscal repair of ramp lesions and horizontal, radial, and root tears
Diarmuid DE FAOITE¹, Robbie DUERR², Rachel BARROW², Amir KAMALI³
¹(SWITZERLAND), ²[UNITED STATES], ³[UNITED KINGDOM]

17:04 Long-term risk of degenerative change following meniscal repair and partial meniscectomy: a meta-analysis
Diarmuid DE FAOITE¹, Robbie DUERR², Rachel BARROW², Amir KAMALI³
¹(SWITZERLAND), ²[UNITED STATES], ³[UNITED KINGDOM]

17:12 Torn discoid lateral meniscus
Mustafa MESRIGA, Ayman EBEID (EGYPT)

Moderators: Marko BUMBASIREVIC (SERBIA), J uyu TANG (CHINA)

07:00 Reconstruction of huge soft tissue defect of limbs by combined transplantation of perforator flaps
J uyu TANG (CHINA)

07:10 Clinical study of selective ipsilateral C7 transposition in the repair of C5 injury
J unjian J IANG (CHINA)

07:13 Vascularised fibular head epiphysis transfer for growing lateral malleolus defect
Wenjun LI (CHINA)

07:16 Vascularised third metatarsal bone/epiphysis transplantation for reconstructing hypoplastic thumb
J iantao YANG (CHINA)

07:19 Clinical application of the descending genicular artery as the recipient artery for free anterolateral thigh flap
J un LIU, Yongjun RIU (CHINA)

07:22 A review and reflection on the diagnosis and treatment of Neurogenic Thoracic Outlet Syndrome
Zhan ZHANG (CHINA)

07:25 The design methods and clinical application of perforating propeller flap in lower limb
Yi CUI (CHINA)

07:28 Aesthetic reconstruction of fingers with re-shaped 2nd toe in one-stage operation
Yaping LIU, Linjun TANG, Talan CUI, Hua ZHENG, Shaoyong ZHOU, Hang ZHANG (CHINA)

07:31 Repair of complicated extremities defects with multi-method chimeric transplantation or combined flow-through
Xiaoju ZHENG (CHINA)

07:34 Clinical application of temporary ectopic implantation combined with anterolateral thigh flap for thumb reconstruction
J ian HUANG (CHINA)

07:37 Transplantation of free metatarsophalangeal or proximal interphalangeal joint of the second toe with toe preservation for repair of traumatic digital arthrits
Yi XU (CHINA)

07:40 Life in black or white? A case report for repairing annular tissue defect in middle finger with hallux wrap-around flap
Zhehui TU (CHINA)

07:41 Early coverage of Grade IIIB tibial fracture tissue defect with modified latissimus dorsi musculocutaneous flap
Zheng-Bing ZHOU (CHINA)

07:42 One stage reconstruction of the open DRUJ injury using the tendon graft
J ihai XU (CHINA)

07:43 Solution of intraoperative difficulties during two-paddle anterolateral thigh flap harvest in treating complex soft tissue defect
Yipeng WU (CHINA)

07:44 The proximal dominant complete severed quadrifinger of a 23-month-old infant was successfully replanted: a case report
Yangjian WANG (CHINA)

07:45 Clinical observation of skin flap repair after radical resection for scrotal and penile Paget's disease guided by subunit division of perineal body surface
Peng WEI (CHINA)

07:46 Discussion
Free Paper Session—Shoulder & Elbow 1

Moderators: Lee VAN RENSBURG (UNITED KINGDOM), Bhuvan MACHANI (UNITED ARAB EMIRATES)

08:00 Keynote lecture: Progression from instability to osteoarthritis in the shoulder
Graham TYHERLEIGH-STRONG (UNITED KINGDOM)

08:15 Disappointing results with the Inspace® balloon spacer for failed-removed/irreparable massive rotator cuff tears
Shoal Iqbal, Sameer Khan, Jaime Candal-Couto, Dave Cloke (UNITED KINGDOM)

08:23 Ultrasound assessment of supraspinatus tendon post antegrade interlocking nail of the humerus
Hilal Salim Ali Al-Housni, Mohammed Zubair AlFayadh, Mohd Razif Bin Mohd Ali, Siew Hui Teo, Wuey Min Ng, Brandon Lee¹ (OMAN), (MALAYSIA)

08:31 Study on efficacy of platelet-rich plasma versus steroid in the treatment of rotator cuff tendinitis
Vineet Thomas Abraham (INDIA)

08:39 Real-time evaluation of perfusion on the supraspinatus tendon with modern contrast enhanced ultrasound
Gerhard Achatz (GERMANY)

08:47 Is there a role for platelet-rich plasma therapy in the treatment of rotator cuff tendinopathy? A systematic review and meta-analysis
Aditya Kaj A, Vijay D Shetty, Saurabh Talekar, Ashutosh Dongre (INDIA)

08:55 Synthetic augmentation for massive rotator cuff tears
Ahmad J Udani, Paul Harrington, Ali AbdulKarim, Mohammed Alhazmi¹ (IRELAND), ² (UNITED KINGDOM)

09:03 Management of periarthritis shoulder by supra-scapular nerve block versus platelet-rich plasma
Alok Chandra Agrawal, Harshal Sakale, Buddhadeb Nayak, Sharma Sankalp, Mayank Kumar (INDIA)

09:11 Internal bracing of the coracoclavicular ligament in a recent acromioclavicular joint dislocation
Sollima Hassan, Taher Abdulsattar, Ismail Tawfik (EGYPT)

09:19 Radiographic and CT characteristics of coroid fractures and inter-observer reliability of coroid fracture classification
Paul Cameron, H Syed, Marko Valsamis, Joldeph Phadnis (UNITED KINGDOM)

09:27 Hydrodilatation for primary adhesive capsulitis: fluoroscopically assisted versus eco-guided
Petraa Iftimie, Joan Tomas Gébelli, Noelia Fons, Ester Blanch, Antonio Buñuel (SPAIN)

09:35 Comparison of outcome of tennis elbow patients treated with USG guided (PRP and steroid injection) vs blind (steroid & PRP injection) in a randomised controlled trial
Abhinav J Ogani, Prashant Kamble, Shubhranshu Mohanty, Tushar Rathod (INDIA)

09:43 Comparative evaluation of non-operative treatment modalities for frozen shoulder
Bushra Harna, Dhananjaya Sabat (INDIA)

10:00 Examination of shoulder instability patient
Ali Chamseddine (LEBANON)

10:10 Arthroscopic Bankart repair
Graham Tytherleigh-Strong (UNITED KINGDOM)

10:20 SLAP repair? Should we do it?
Marc Tompkins (UNITED STATES)

10:30 Arthroscopic treatment of lateral epicondylitis
Srinath Kamieni (UNITED STATES)

10:40 Elbow arthroscopy in degenerative conditions of the elbow joint
In-Ho J Eon (SOUTH KOREA)

10:50 Arthroscopic treatment of multidirectional shoulder instability
Umer Butt (PAKISTAN)

11:00 Complications of shoulder and elbow arthroscopy
Mohammed Razii (IRAN)

11:10 Discussion

SICOT Instructional Symposium—Shoulder Arthroplasty

Moderator: W Jaap Willems (NETHERLANDS)

14:00 Examination of the shoulder arthroplasty patient
Osman Mert Topkari (TURKEY)

14:10 Preoperative planning of shoulder arthroplasty
Ghassan Al-Yassari (OMAN)

14:20 Biomechanics of the anatomical and reverse shoulder arthroplasty
Lee Van Rensburg (UNITED KINGDOM)

14:30 Anatomical total shoulder arthroplasty
Sherif Elnikety (UNITED KINGDOM)

14:40 Reverse shoulder arthroplasty
Srinath Kamieni (UNITED STATES)

14:50 Surface arthroplasty of the shoulder
W Jaap Willems (NETHERLANDS)

15:00 Arthroplasty for rheumatoid arthritis patients
Andrey Grisyuk (RUSSIA)

15:10 Complications of shoulder arthroplasty
Nuri Aydin (TURKEY)

15:20 Discussion

16:00 - 17:30

Free Paper Session—Shoulder & Elbow 2

Moderators: Marius Scarlat (FRANCE), Nuri Aydin (TURKEY)

10:30 Radiological examination of shoulder instability patient
Ustun Aydingoz (TURKEY)

10:40 Examination of shoulder instability patient
Ali Chamseddine (LEBANON)

10:50 Arthroscopic Bankart repair
Graham Tytherleigh-Strong (UNITED KINGDOM)

11:00 SLAP repair? Should we do it?
Marc Tompkins (UNITED STATES)

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11:30 Arthroscopic treatment of multidirectional shoulder instability
Umer Butt (PAKISTAN)

11:40 Complications of shoulder and elbow arthroscopy
Mohammed Razii (IRAN)

11:50 Discussion
16:00 Cemented versus uncemented glenoid components in total shoulder arthroplasty for shoulder osteoarthritis: a New Zealand Joint Registry study
Marc HIRNER (NEW ZEALAND)

16:08 Factors associated with need for blood transfusion and prolonged length of stay (LOS) following shoulder arthroplasty
Waheeb AL-azzani, Manhal Al Rijabi AGHA, Tim MATTHEWS, Rhys WILLIAMS, Paul CARTER, Tessa BAILEY (UNITED KINGDOM)

16:16 Do all anteromedial coronoid fractures require surgical fixation?
Paul CAMERON, H SYED, J oideep PHADNIS (UNITED KINGDOM)

16:24 Treatment of mild and advanced cases of elbow OA with arthroscopic debridement and intra-articular hyaluronic acid injections
Srinath KAMINENI, Sathyaa ALLURI (UNITED STATES)

16:32 CT-scan assessment of both tuberosity healing after reverse shoulder arthroplasty for fracture: a 24-case series with a minimum one-year follow-up
Stanislas GUNST, Lucie LOUBOUTIN, Elvire SERVIEN, Laurent NOVE-J OSSERAND (FRANCE)

16:40 Tranexamic acid versus placebo in shoulder arthroplasty: a meta-analysis of randomised controlled trials
Nedal Jaber ALKHATIB, Abdullah SAAD A ABDULLAH, Abdulaziz AHMED, Mason ALKORI, Elhadi BABIKIR, Shamsi ABDUL HAMEED (QATAR)

16:48 Long term results of radial head replacement — ‘when to do, how to do and what to do’
Anish AGARWALLA, Loveneesh Gopal KRISHNA (INDIA)

16:56 Low incidence of scapular notching in uncinected trabecular metal reverse shoulder system — 7-year results
Ashwanth RAMESH, Makaram NAVNIT, Kiran RAMESH, Andres BAUMAN, Makram SRINIVASAN (INDIA), (UNITED KINGDOM)

17:04 A novel position for antebrachial humeral nailing
Madhusudhan Kumar UMMADESHTY, Ahmed Salif AL JAHIWARI (OMAN)

Infections | Friday, 6 December | Grand Ballroom Hall C2

08:00 - 10:00

Free Paper Session — Infections 1

Moderator: Heinz WINKLER (AUSTRIA)

08:00 Keynote lecture: Internal fixation of infected nonunions: single-stage approach using antibiotic impregnated bone graft
Heinz WINKLER (AUSTRIA)

08:15 Identifying optimal therapy route and predictors of adverse outcomes in paediatric acute hematogenous osteomyelitis
Zaid ALHINA, Mohravand ELahi, Bill FOO, Brian LEE, Kimberle CHAPIN, Penelope DENNEHY, Michael KOSTER, Pablo SANCHEZ, Ian MICHELOW (OMAN), (UNITED STATES)

08:23 Wrist tuberculosis in paediatric patients: our experience in 44 patients
Jatin PRAKASH (INDIA)

08:31 Nontuberculous mycobacterial phalange osteomyelitis in children and literature review
Xinhong PEI (CHINA)

08:39 Sternoclavicular tuberculosis: rare cause of incurable shoulder pain
Jatin PRAKASH (INDIA)

08:47 Reconstruction of extensive long bone defects by radial distraction osteogenesis and transplantation of the enhanced fibula
Matthias MILITZ, Andreas BACHMEIER, Peter THALLER, Uli SCHREIBER, Markus OEHLBAUER, Rainer BADER (GERMANY)

08:55 Bone quality in patients older than 60 years with chronic osteomyelitis of long bones of the lower limbs according to data of multi-slice computer tomography
Konstantin DYACHKOV, Galina DYACHKOVA (RUSSIA)

09:03 Surgical outcome of infected non-unions of long bones using monoplanar rail external fixator (LRS)
Satya Ranjan PATRA, Naresh Kumar PANIGRAHI, Manoj MEDINI, Dibya Singha DAS, Indranil DEY, Uditi UPADHYAYA, Hemanta Kumar BAIMIDI, Siddhartha Shankar MOHANTY (INDIA)

09:11 Long-term follow-up on post-operative diaphyseal osteomyelitis treated by custom-made antibiotic cement rod and sign nail
M AsrAF U Matin, Syed ANWARUZZAMAN (BANGLADESH)

09:19 Osteomyelitic cavities as a form of chronic osteomyelitis from viewpoint of roentgen morphology
Konstantin DYACHKOV, Galina DYACHKOVA (RUSSIA)

09:27 Resection with shortening as the most rational option for the treatment of infected false joints and defects of the femur and tibia
Ali KASHOOP, Alexander ARTEMIEV, Aleksander NASCHKIN, Sameh Nageeb HADDAD (RUSSIA), (OMAN)

09:35 Weber-cable-technique for treatment of osteomyelitis
Michael WEBER (UNITED ARAB EMIRATES)

09:43 Necrotising fasciitis of lower limbs (on 10 cases)
Gilbert Frank Olivier NGONGANG (CAMEROON)

10:30 - 12:00

SIcot Instructional Symposium — Periprosthetic Infection and Post-Traumatic infection (I)

Moderators: Ferdinando DA RIN DE LORENZO (ITALY), Rihad TREBSE (SLOVENIA)

10:30 The algorithmic approach to diagnostics and treatment of prosthetic joint replacements
Rihad TREBSE (SLOVENIA)

10:38 Challenges of diagnosis of orthopaedic infections
Javad PARVIZI (UNITED STATES)

10:46 Single-stage exchange of infected total joint replacement
Heinz WINKLER (AUSTRIA)

10:54 Evaluation of metadiaphyseal fixation in massive bone defects in two-stage knee revision: clinical and radiological results of a new custom made device, titanium unit for bone epiphyseal reconstruction (TUBER)
GioRgi BURASTERO (ITALY)

11:02 Arthrodesis of the knee: when and what to do
Ferdinando DA RIN DE LORENZO (ITALY)

11:10 Halting periprosthetic joint infection at the doorstep: what evidence do we have?
Gholam Hossain SHAHCHERAGHI (IRAN)

11:18 Discussion

11:36 Imaging bone infections: an update
Ustun AYDINGOZ (TURKEY)

11:44 Prevention and treatment of post-traumatic infection
Khaled EMARA (EGYPT)
14:00 - 15:30

**SICOT Instructional Symposium**—Post-Traumatic Infection (I) and Tuberculosis of the Bone

**Moderators:** Ferdinando DA RIN DE LORENZO (ITALY), Ashok J OHARI (INDIA), Mohammed AL-AWLAQI (YEMEN)

14:00 Antibacterial hydrogel coating of implants in trauma: practical applications
Carlo ROMANO (ITALY)

14:08 New trends in combating hospital infections at times of war
Mohammed AL-AWLAQI (YEMEN)

14:16 How much resection to do for bone transport
Alexander KRIENKO (RUSSIA)

14:24 Orthoplastic options in post-traumatic leg bones and soft-tissue defects
Mohamed FADEL (EGYPT)

14:32 Discussion

14:42 An experience of about 700 operated cases of spinal tuberculosis
Shah ALAM (BANGLADESH)

14:50 Unusual localisation of skeletal tuberculosis
Ashok J OHARI (INDIA)

14:58 Tuberculosis after implant surgery: what is unique in diagnosing and preventing catastrophe
Vijay KARIRWAL (INDIA)

15:06 What’s done is done: how to manage peri-implant infections when you cannot remove hardware after spinal resections
Gisberto EVANGELISTI (ITALY)

15:14 Posterior surgery for anterior thoracolumbar tuberculosis
Rohit AMRITANAND (INDIA)

15:22 Discussion

16:00 - 17:30

**Free Paper Session**—Infections 2

**Moderators:** Doron FRANTZEN (SOUTH AFRICA), Shekhar AGARWAL (INDIA)

16:00 Biofilm & orthopaedic practice
Manoj Kumar PATEL (INDIA)

16:08 Alpha-defensin (synovasure) test in prosthetic hip & knee infection-relevance in current practice
Akash SARAOGI¹, Naveen LOKIKERE², George PAVLOU³, Henry WYNJ ONES⁴, Tim BOARD⁴, Peter KAY⁴
¹(INDIA), ²(UNITED KINGDOM)

16:16 In vitro study of polymethylmethacrylate-based antibacterial coatings
Pavel VOLOTOVSKI, Dmitry TAPALSKI, Anna KOZLOVA, Alexandre SITNIK, Mikhail Gerasimenko (BELARUS)

16:24 Knowledge vs attitude of orthopaedic surgeons regarding prosthetic joint infections
Mahmut Nedim AYTEKIN, Imran HASANOGLU, Nihat TOSUN (TURKEY)

16:32 Pro-implant foundation PJ I treatment protocol in UHC Sestre Milosrdnice, Croatia
Tomislav CENCIG, Stjepan CURIC, Dejan BLAZEVIC, Slaven BABIC, Srecko SABALIC (CROATIA)

16:40 Total hip arthroplasty over chronic osteomyelitis
Ivan GEROV, Nikolay UZUNOV (BULGARIA)

16:49 A rare case of streptobacillus moniliformis peri-prosthetic infection & literature review: a locally destructive infection with distant seeding to a prosthetic joint
Mohammed MONEM, Matthew SMALLBONES, Marina BAGANEANU, Rajesh SOFAT, Isra HAUSIEN (UNITED KINGDOM)

16:56 Efficacy of local antibiotic therapy in chronic bone infection
Biswajit SAHU, Alok PRUSTY (INDIA)

17:04 The need for better education of musculoskeletal disorders and exposure to orthopaedics at medical school—septic arthritis as a single disease view
George CROSS, Mohammed MONEM (UNITED KINGDOM)

17:12 Are we picking up all joint infections? A retrospective observational study of adherence to national guidelines on septic arthritis
George CROSS, Mohammed MONEM, Ramandeep SAINI, Savinda LIYANAGEDERA, Rajesh SOFAT, Spencer ELLIS (UNITED KINGDOM)

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**Miscellaneous** | **Friday, 6 December** | **Grand Ballroom Hall C3**

**07:00 - 08:00**

**SICOT Instructional Symposium**—Tech-No Bones: The Positive Impact of Emerging Technologies in Emerging Nations

**Moderators:** Swapnil KENY (INDIA), Vaibhav BAGARIA (INDIA)

07:00 Role of intra-operative CT navigation to achieve precision in orthopaedic surgery
Raja Bhaskara Kanakeshwor RA ASEKARAN (INDIA)

07:08 My first robot: the key to choosing the right play mate
Vaibhav BAGARIA (INDIA)

07:16 Robosapiens: robotic alliances in the pursuit of safe spine surgery
Ram CHADDHA (INDIA)

07:24 Portable ultrasound for outpatient regional anaesthesia in foot and ankle surgery
Juan Agustín CORUNA (PHILIPPINES)

07:32 Virtual planning of skeletal deformity correction in children on handheld portable devices
Swapnil KENY (INDIA)

07:40 Digital pills for better patient outcomes
Vas METUPALLE (SINGAPORE)

07:48 Discussion

08:00 - 10:00

**SICOT Instructional Symposium**—Medical Writing

**Moderators:** Marius SCARLAT (FRANCE), James WADDELL (CANADA)

08:00 Keynote lecture: The new era of evidence-based orthopaedics
Mohit BHANDARI (CANADA)

08:15 International Orthopaedics and the current status of SICOT publications
Marius SCARLAT (FRANCE)

08:27 Quality and relevance of your research
James WADDELL (CANADA)
10:30 - 12:00

**SICOT Instructional Symposium — Reviewers’ Workshop**

Moderators: Andreas MAVROGENIS (GREECE), Cyril MAUFFREY (UNITED STATES)

10:30 Is a good author a good reviewer?
   Phillipe HERNIGOU (FRANCE)

10:42 How to evaluate reviews and reviewers
   Andreas MAVROGENIS (GREECE)

10:54 My preferred method to review a paper
   Ali CHAMSEDDINE (LEBANON)

11:06 Open access publications and review procedure
   Jing SUN (CHINA)

11:18 Impact and citations: what is the power of a journal?
   Syed Muhammad AWAI (PAKISTAN)

11:30 Continuous medical education through peer review
   Mohammed ADAM (QATAR)

11:42 Special issues in orthopaedic journals: choosing the best reviewers
   Thami BENZAKOUR (MOROCCO)

14:00 - 15:30

**Best Papers Session**

14:00 Bone remodelling with the C-stem polished triple-tapered implant: a 13- to 18-year follow-up study
   David SOCHART (UNITED KINGDOM)

14:08 Pelvic obliquity after total hip arthroplasty: is it correctable completely?
   Darush GOURAN SAVADKOOGH, Babak SIAVASHI, Ehsan PENDAR, Mohamadjavad ZEHTAB, Slavash MOLANAEI (IRAN)

14:16 What are the risk factors for failure after one-stage exchange for periprosthetic joint infection of the knee?
   Mustafa CITAK, Hussein ABDELAZIZ, Eduardo SUERO, Jasmin FRIEDENSTAB, Akos ZAHAR, Thorsten GEHRKE (GERMANY)

14:24 Mechanical testing of a novel 3D-printed femoral stem under dynamic loading
   Douglas UNIS, Sulaiman SOMANI, Nathan HO, Eddie EBRAHIMZADEH, Sophia SANGIORDO (UNITED STATES)

14:32 Introduction of an innovative repair technique in type IV FDP tendon avulsions
   Gabriel HALAT, Lukas NEGRIN, Paul HOPPE, Ewald UNGER, Thomas KOCH, Lena HIRTLER, Jochen EHART, Patrick PLATZER, Stefan HAJ DU (AUSTRIA)

14:40 Experience of SIGN Fin nail for treating femoral fractures
   Keppa MARENAH, Bintou TRAWALLY (GAMBIA)

14:48 Role of Gang Hospital Open Injury Severity Score (GHOISS) in prognosticating the functional outcomes in open tibial fractures — a prospective study of 108 cases
   Devendra AGRAHAR, J ayaramaraju DHEENADHAYALAN, Shanmuganathan RAJ A KARAN (INDIA)

14:56 Evaluating the effectiveness of learning and quality improvement in orthopaedics
   Epaminondas VALSAKIS, Mohamed SUKEK (UNITED KINGDOM), (SAUDI ARABIA)

15:04 A meta-analysis of clinical success rates following meniscal repair of ramp lesions and horizontal, radial, and root tears
   Diarmuid DE FAOITE, Robbie DUERR, Rachel BARLOW, Amir KAMALI (SWITZERLAND), (UNITED STATES), (UNITED KINGDOM)

15:12 Regional blood flow changes in various body regions associated with reperfusion injury in a standardised animal model
   Sascha HALVACHADEZ, Michel TEUFEN, Yannik KALBAS, Hans-Christoph PAPPE, Roman PFEIFER (SWITZERLAND)

16:00 - 17:30

**SICOT Instructional Symposium — Injury Prevention & Road Safety Symposium**

- Road Traffic Injury Prevention: How can the Orthopaedic Community Reduce the Burden of Road Traffic Accidents?

Moderators: Mohamed DARWISH (OMAN), Guenter LOB (GERMANY)

16:00 Road safety in Oman
   Mohamed AWAD AL RAWAS (OMAN)

16:10 Hospital networks can provide a better outcome for the injured
   Hans-Christoph PAPPE (SWITZERLAND)

16:20 RTI in Saudi Arabia: impact and ways of prevention
   Hazem ALKHAWASKI (SAUDI ARABIA)

16:30 The experience of a national Iranian traffic knowledge development trust
   Amir Mohammad NAVALI (IRAN)

16:40 Activities in Morroco to lower the number of road traffic injuries
   Thami BENZAKOUR (MOROCCO)

16:50 New technologies to prevent RTI: tools to support this public political issue
   Marcos MUSAFIR (BRAZIL)

17:00 Reduction of road traffic fatalities from 22,000 to 3,000 in 40 years: the part of the German Trauma Society
   Guenter LOB (GERMANY)

17:10 The WHO Decade of Action for Road Safety 2011–2020
   Onser AYDINGOZ (TURKEY)

17:20 Discussion
08:15 5-year results from the Swedish Knee Osteotomy Register
Annette W-DAHL, Martin SUNDBERG, Lars LIDGREN, Otto ROBERTSSON (SWEDEN)

08:23 Accuracy of the tibial component positioning in robotic arm assisted vs conventional UKR: a comparative radiographic study
J althilak KAILATHUVALAPIL, Mohan THADI, K PRAJ WAL, Anubhav SHARMA (INDIA)

08:31 Management of large bone defects around the knee using porous tantalum trabecular metal cones during complex primary and revision total knee arthroplasty
Inayat PANDA, Ashok RAJ GOPAL (INDIA)

08:39 Predictors of patient satisfaction following unicompartmental knee arthroplasty
Koji TAKAYAMA, Tomoyuki MATSUMOTO, Kazunari ISHIDA, Yoshinori TAKASHIMA, Tomoyuki KAMENAGA, Masanori TSUBOSAKA, Shingo HASHimoto, Shinya HAYASHI, RyoSuke KURODA (JAPAN)

08:47 Bilplanar medial opening wedge high tibial osteotomy for early osteoarthritids of knee - the South Indian experience
Deepak KAKI (INDIA)

08:55 Application of 3D printed patient-specific instrumentation (PSI) in high tibial osteotomy (HTO)
Frank Yaw TAKYI APPIAH, Zheng WANG, Xicheng LI (GHANA), (CHINA)

09:03 Long term results and radiographic analysis of metaphyseal supported sleeved revision hinge knee prosthesis
Thomas DEVASIA, Richard SPENCER, J ONES, J onh PAUL WHITTAKER (UNITED KINGDOM)

09:11 Weight bearing in medial opening wedge high tibial osteotomy: early or delayed?
Manoj Kumar PATEL (INDIA)

09:19 Does robotic unicompartmental knee arthroplasty have a learning curve for accuracy of implant positioning? A prospective cohort study
Atif AYUB, Babar KAYANI, Sujith KONAN, Sumon HUQ, J enn TAMHASSEBI, Fares HADDAD (UNITED KINGDOM)

09:27 Bilateral HTO in the same sitting: perioperative challenge or feasible option?
Hemant Kumar UGRASen SINGH (UNITED KINGDOM)

09:35 Autologous Collagen Induced Chondrogenesis (ACIC®): Shetty-Kim technique; micro-scaffold augmented microdrilling for articular cartilage repair - a six-year follow-up study
Arjun NAiK, Karon J AGGI, Anantharam SHETTY, David STELZENEDER, Seok-jung KIM (UNITED KINGDOM), (AUSTRIA), (SOUTH KOREA)

09:43 Weight dynamics in patients with morbid obesity with total knee arthroplasty
Andrey GRITSYUK, Alexey LYCHAGIN (RUSSIA)
11:02 Role of vitamin E poly in survivorship of total knee arthroplasty
Maximilian RUDERT (GERMANY)
11:10 Does choice of surface coatings influence outcomes of TKA?
Matthew MORREY (UNITED STATES)
11:18 Role of technology in TKA in the young patient: do they improve outcomes?
Mojieb MANZARY (SAUDI ARABIA)
11:26 Discussion

14:00 - 15:30
SICOT Instructional Symposium — Complex TKR

Moderators: Ashok RAJGOPAL (INDIA), Shrinand VAIYA (INDIA)
14:00 Management of flexion deformity
Shekhar AGGARWAL (INDIA)
14:09 Management of fixed valgus deformity
Vivek DAHIYA (INDIA)
14:18 Management of severe varus deformity
Philippe NEYRET (FRANCE)
14:27 Management of extra-articular deformity
Shekhar AGGARWAL (INDIA)
14:36 Total knee arthroplasty in stiff knee
Francesco FALEZ (ITALY)
14:45 Total knee arthroplasty in obese patients
Ashok RAJ GOPAL (INDIA)
14:54 Total knee arthroplasty in patients with Parkinsons
Fare E SAYEGH (LEBANON)
15:03 Pain management in total knee arthroplasty
Parag SANCHETI (INDIA)
15:12 Discussion

16:00 - 17:30
Free Paper Session — Knee 4

Moderators: Vijay SHETTY (INDIA), Phil TURNER (UNITED KINGDOM)
16:00 Tourniquet versus no tourniquet in total knee arthroplasty
Junaid KHAN, Riaz AHMED (PAKISTAN)
16:08 Sleep pattern disturbances in patients undergoing total knee arthroplasty
Hitesh MANGUKIYA, Sharan PATIL, Ravikumar MUKARTHAL (INDIA)
16:16 Functional performance after physiotherapy in robotic-arm assisted versus conventional total knee arthroplasty in a female outpatient set up: a retrospective cohort study
Rashmi KALIYIL, Pramod DIVAKARA SHENOY, Roy MATHEW, Sharon FILIO MENDEZ, Chandra IYER, Mohammed Mubarak AL ATEEQ AL Dgosari, Shamsi ABDULHAMEED, Aissam ELMIHIREGH, Arun SAMUEL AUGUSTINE (QATAR)
16:24 Foot loading pattern and hind foot alignment are restored in varus knees following total knee arthroplasty: a pedobarographic analysis of 121 knees
Bhaskara Kanakeshwar RAJ A, Rajkumar NATESAN, P Dhanasekara RAJ A, Shanmuganathan RAJASEKARAN (INDIA)
16:32 Comparison of effectiveness of intra-articular, intravenous and topical wash tranexamic acid in total knee arthroplasty
Jatin PRAKASH (INDIA)
16:40 Can we predict leg length change (LLC) after unilateral total knee arthroplasty (TKA)?
Ahmed KhALIFA1, Abanoub GENDY1, Hatem BAKR2, Ahmed AHMED3, Yaser KhALIFA4, Ahmed ABDEL-AAL5, Arun MULLAJA P1(EGYPT), J4(INDIA)
16:48 Epsilon-aminocaproic acid versus tranexamic acid in total knee arthroplasty: a meta-analysis study
Raees VANKER, Osman RIAZ, Adeel AQIL, Samir ASMAR, James HAHNEL, Christopher BREW, Richard GROGAN, Graham RADCLIFFE (UNITED KINGDOM)
16:56 Steroids reduce rates of early post-operative postural hypotension after total knee arthroplasty
Hui Min Giona CHENG, Muhammad Fadzil KAMARUDIN, Wei Wen Bryan LEE, Jia Min Jiu ilia CHENG, Guoping Kelvin TAN (SINGAPORE)
17:02 What is the real reason of pain after primary TKA?
Valeriy Y MURYLEV, Semen ALEXEEV, Pavel ELIZAROV, Grigori KUKOVENKO, Alexey DERING (RUSSIA)

Spine | Friday, 6 December | Junior Ballroom B

08:00 - 10:00
Free Paper Session — Spine 3

Moderators: Thami BENZAKOUR (MORROCO), Dadi JIN (CHINA)
08:00 Keynote lecture: The spine, hip and knee syndrome: how to differentiate the primary source of pain?
Azmi HAMZAOGLU (TURKEY)
08:15 Incorporating active vertebral apex correction (APC) alongside guided growth technique for controlling spinal deformity in growing children: a modified Shilla technique
Alaa Azmi AHMAD1, Aakash AGARWAL2, Loai AKER1 1(PALESTINE), 2(UNITED STATES)

40 | 40th SICOT
Does fresh whole blood improve the clinical outcome and serological parameters better than blood components transfusion in major spine surgeries? — a prospective randomised study

Keerthivasan PANNEERSELVAM, Shanmuganathan RAJASEKARAN, Ajoy Prasad SHETTY, Rishi Mugesh KHANNA (INDIA)

08:31

Research on global sagittal postural patterns of asymptomatic Chinese adults

Pan-Pan HU, Miao YU, Xiao-Guang LIU (CHINA)

08:39

Unilateral posterior lumbar interbody fusion for coronal balance correction in patients with degenerative lumbar scoliosis

Sithirat THONGSUUKAOEO, Pawin GAI ASENI, Chalsiri CHAIHANKUL (THAILAND)

08:47

SULT1C2A-mir-466c-5p-Foxo4 in congenital scoliosis

Chong CHEN, Yunbing CHANG, Guoyan LIANG, Qijian ZHENG (CHINA)

08:55

Neurological deficit in delayed presentation of congenital vertebral deformities (CVD) — an analysis of risk factors and surgical outcome

Rajesh RAJ AVELU, Ajoy PRASAD SHETTY, Rishi MUGESH KANNA, Shanmuganathan RAJASEKARAN (INDIA)

09:03

Comparison of dual surgeon versus single surgeon approach for scoliosis surgery: a systematic review and meta-analysis

Joshua HAYES, lain FEELEY, Kyle BORAIN, Conor O’BRIEN, Conor GREEN (IRELAND)

09:11

Pelvic incidence-lumbar lordosis mismatch less than 10 degrees (PI-LL<10) has limited applicability as a criterion of adult sagittal spinal deformity (ASD) correction

Christopher KLECK, Vikas PATEL, Christopher CAIN, David CALABRESE, Andry NOSCHENKO, Evalina BURGER (UNITED STATES)

09:19

Outcome of minimally invasive scoliosis surgery in adolescent idiopathic scoliosis

Jawad SALEEM, Shahid ALI, Atiq DURRANI (PAKISTAN)

09:27

Long-term evaluation of fusion rates in thoraco-scope-assisted minimal invasive (MIS) anterior interbody spinal fusion

Nirmal PATIL1, Hussien EL GHAIT2, Heinrich BOEHM3

1(INdia), 2(EGYpt), 3(GerMANY)

09:35

Axial plane characteristics of primary thoracic (Lenke 1) scoliosis

Tamas ILLES1, Fabien LAUER3, Francois LAVASTE4, Jean DUBOISSET4

1(BELGIUM), 2(FRANCE)

09:43

Comparison of complications and clinical outcomes of primary and revision surgery in patients with adult spinal deformity with sagittal imbalance using combined anterior and posterior procedure

Whoan Jang KIM, Dae Geon SONG, Yeon Seung MIN, Jae Won LEE, Kun Young PARK, Shann Haw CHANG, Won Sik CHOY, Chang Hwa HONG (SOUTH KOREA)

10:06

Lumbar technique: patient selection, surgical pearls and pitfalls

Evalina BURGER (UNITED STATES)

10:18

Lumbar dynamic templating with finite element modelling

Christopher CAIN (UNITED STATES)

10:30

Cervical technique: patient selection, surgical pearls and pitfalls

Ahmed AL JAHWARI (OMAN)

10:42

Motion preservation successes and failures

Vikas PATEL (UNITED STATES)

11:00

SICOT Instructional Symposium — Thoracolumbar Deformity

Moderators: Christopher CAIN (UNITED STATES), Azmi HAMZAOGLU (TURKEY)

11:40

Standard of care/current status of treatment/safety

John DORMANS (UNITED STATES)

11:51

Update on measurements, parameters, goals of surgery

Christopher KLECK (UNITED STATES)

12:02

Early onset scoliosis and current treatment methods

Aiala AHMAD (PALESTINE)

12:13

Spinal tethering surgery in scoliosis treatment

Mohammad DIAB (UNITED STATES)

12:24

Management of post-tuberculosis spinal deformity

Rohit AMRITANAND (INDIA)

12:35

Advanced techniques: osteotomies

Evalina BURGER (UNITED STATES)

12:45

Advanced techniques: vertebrectomy

Azmi HAMZAOGLU (TURKEY)

12:56

Advanced techniques: navigation, robotics, etc

Lin CONG (CHINA)

13:07

Free Paper Session — Spine 4

Moderators: Cody BUNGER (DENMARK), Aju BOSCO (INDIA)

13:20

A comparative analysis of bone strain in pullout vs toggle pedicle screw testing

Christopher CAIN, Michela POTT, Reed AYRES, Michelle AIKYAMA, Todd BALDWIN, Zachary WUTHRICH, William MCCLELLAN, Vikas PATEL, Evalina BURGER, David OU-YANG, Nolan WESSEL, Christopher KLECK (UNITED STATES)

13:40

Unfolding the outcomes of surgical treatment of lumbar spinal stenosis — a prospective 5- and 10-year follow-up study

Olavi AIRAKSINEN1, Marinko RADE2, Aalto TIMO3, Helikki KRÖGER1, Ville LEINONEN2, Hannu MIETTINEN4, Linda TUOMAINEN1

1(FINLAND), 2(CROATIA)

13:51

Can we predict adverse outcomes in lumbar fusion for primary degenerative disorders? A modified frailty index based study

Pramod SUDARSHAN, Alok MOOGALI, Gowrishankar SWAMY (INDIA)

14:02

Outcome assessment of posterior lumbar interbody fusion (PLIF) and transfemoral lumbar interbody fusion (TLIF) in spondylolisthesis

Sakeb NAJMUS (INDIA)

14:13

10:30 - 12:00

SICOT Instructional Symposium — Motion Preservation

Moderators: Christopher KLECK (UNITED STATES), Arvind BHAVE (INDIA), Mohamed DARWISH (OMAN)

10:30

Adjacent segment disease: the gravity of the problem; is motion preservation the best solution as of today?

Ram CHADDHA (INDIA)

10:42

Cervical laminoplasty

Jong-Beom PARK (SOUTH KOREA)

10:54

Disc replacement and spine motion preservation: past, present and future

Christopher CAIN (UNITED STATES)

11:06

Adverse outcomes in lumbar fusion for primary degenerative disorders? A modified frailty index based study

Pramod SUDARSHAN, Alok MOOGALI, Gowrishankar SWAMY (INDIA)

16:24

Outcome assessment of posterior lumbar interbody fusion (PLIF) and transfemoral lumbar interbody fusion (TLIF) in spondylolisthesis

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11:42

Free Paper Session — Spine 4

Moderators: Cody BUNGER (DENMARK), Aju BOSCO (INDIA)

16:00

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16:08

Unfolding the outcomes of surgical treatment of lumbar spinal stenosis — a prospective 5- and 10-year follow-up study

Olavi AIRAKSINEN1, Marinko RADE2, Aalto TIMO3, Helikki KRÖGER1, Ville LEINONEN2, Hannu MIETTINEN4, Linda TUOMAINEN1

1(FINLAND), 2(CROATIA)

16:16

Can we predict adverse outcomes in lumbar fusion for primary degenerative disorders? A modified frailty index based study

Pramod SUDARSHAN, Alok MOOGALI, Gowrishankar SWAMY (INDIA)

16:24

Outcome assessment of posterior lumbar interbody fusion (PLIF) and transfemoral lumbar interbody fusion (TLIF) in spondylolisthesis

Sakeb NAJMUS (INDIA)
16:32 Association of lumbar spinal stenosis with disability or mortality among community-dwelling older adults: the Locomotive Syndrome And Health Outcomes In The Alzu Cohort Study (LOHAS)
Yusakzu Hiji IKATA (J APAN)

16:40 Surgical outcome of decompression and fixation of degenerative lumbar sacral spondylothesis surgery in a Pakistani population
Muhammad TAHIR, Lal REHMAN, Ali AZFAL (PAKISTAN)

16:48 How useful is sedation sign for the diagnosis and the outcome of surgical treatment?
Thamer HAMDAN (IRAQ)

16:56 Follow-up comparative study of absorbable suture failure of the nuchal ligament in the early post-operative period after cervical laminoplasty
Yuma ONISHI, Teruo KITA, Hiroshi TANIWAKI, Kazushi TAKAYAMA, Hideki SAKANAKA, Yoshiko YAMANO (J APAN)

17:04 Application of cervical arthroplasty using Mobi-C for cervical spondylotic radiculopathy
Dadi J IN, Huibo YAN (CHINA)

17:12 ‘AJ M’ grading system for cervical myelopathy
Qasim AJ MI (UNITED KINGDOM)

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Short Free Papers | Friday, 6 December | Meeting Room 8

08:00 - 10:00

Short Free Paper Session — Research

Moderators: El Hadji IBRAHIMA HAMET DIOP (SENEGAL), Emal WARDAK (AFGHANISTAN)

08:00 Long segment bone lengthening of the femur with mono-lateral frames
Ahmad ALLAM, Saied MOHAMMADY, Amr EL GAZZAR (EGYPT)

08:05 Long-term follow-up results of final fusion surgery after growing rod treatment in children with progressive scoliosis
Hak Sun KIM, J aeho YANG (SOUTH KOREA)

08:10 Comparing axial stiffness of Worland type C periprosthetic humerus fractures treated with 14 holes small fragment locking compression plate (LCP) transfixated with either 3 cerclage wires or 1 cerclage wire and 2 screws
Affif HARB, Bastian WELKE, Emmanouil LIODAKIS, Christin KRETTKE, Christof HURSCHEL, Nael HAWI (GERMANY)

08:15 Effectiveness of sealant versus dural closure for the treatment of cerebrospinal fluid leakage: a meta-analysis
Cong LIN (CHINA)

08:20 Tourniquet use in orthopaedic surgery: a survey study among Algerian orthopaedic surgeons
Nadhir MERAGHNI, Mohamed DERRADJI, Riad BENKAIDALI, Abderrazak CHOUITI, Rachid NEMMAR, Zoubir KARA (ALGERIA)

08:25 Establishing successful clinical research networks in orthopedics and trauma: what does the literature have to say?
Djamuid DE FAOITE, Amir KAMALP, John WATSON, Beate HANSON
1(SWITZERLAND), 2(UNITED KINGDOM), 3(UNITED STATES)

08:30 Morphometric analysis of cervical spine vertebrae pedicle using computed tomography in a South Indian population
Manohar TH MANOHAR (INDIA)

08:35 Digital technologies in the differential diagnosis of benign and malignant bone tumours
Gennady BERCHENKO (RUSSIA)

08:40 Increase of human growth by lengthening of lower extremities: opportunities, problems, prospects
Ali Masoud KASHO Ob1, Alexander ARTEMIEV, Sameh Nageeb HADDAD, Georgiy GULULYAN, Zaur BYTDAEV
1(RUSSIA), 2(OMAN)

08:45 An economic analysis of PICO single-use negative pressure wound therapy compared to conventional dressings in reducing surgical site infections following orthopaedic surgery
Diarmuid DE FAOITE, Lee NHERERA, Sanjay VERMA, Christopher SAUNDERS, Amir KAMALP
1(SWITZERLAND), 2(UNITED KINGDOM)

08:50 Is fever unnecessarily delaying hospital discharge after total joint arthroplasty?
Zachary POST, Andres DUQUE, Fabio OROZCO, Adriana MORA, J ason COHEN, Danielle PONZIO, Alvin ONG (UNITED STATES)

08:55 Association of vitamin-D deficiency and knee osteoarthritis in young Indian patients
Sujit TRIPATHY, Mangaraj MANASWINI (INDIA)

09:00 Adipose derived stem cells (ADSCS): viability and cell composition characterisation from fresh isolated tissue samples
Fabio Valerio SCIARRETTA, Silvana CAMPISI, Corella CINTIA, Sanchez MASSIMO (ITALY)

09:05 To evaluate the functional outcome of platelet rich plasma infusion in plantar fasciitis
Pankaj Kumar SHARMA, Raj POTALIA (INDIA)

09:10 Cameras in operative training: the trainee and medicolegal perspective
Hunza OSMANI, J ason SIBBEL, J im GRAY (UNITED KINGDOM)

09:15 The proteomic signature of nucleus pulposus in human foetal intervertebral discs
Sri Vijay Anand KS, Shanmuganathan RAJ A SEKARAN, Chitraa TANGAVEL, Dilip Chand Raja S, Sharon MIRACLE NAYAGAM, Monica Steffi MATCHADO, Raveendran M, Dharmalingam K, Ajoy SHETTY, Rishi Mugesh Kanna P (INDIA)

09:20 Inflammaging is the key factor dissecting the molecular mechanisms between biological ageing and disc degeneration
Sri Vijay Anand KS, Shanmuganathan RAJ A SEKARAN, Chitraa TANGAVEL, Dilip Chand Raja S, Sharon MIRACLE NAYAGAM, Monica Steffi MATCHADO, Raveendran M, Ajoy SHETTY, Dharmalingam K, Rishi Mugesh Kanna P (INDIA)

09:25 Sensory nerve protects from the progression of osteoarthritis at early stage in mice
Zong-Ping LUN, Yijie SHAO, Xi CHEN (CHINA)

09:30 Do different Wiberg patella types affect the Arc of Safety?
Cheryl Marile Pellin TAN, Zhi Hong CHEW, J imes Sir Young LOH (SINGAPORE)

09:35 Combining bisphosphonates with calcitonin and alone in treating osteoporosis — a comparison
Vijay Kumar KHARIWAL, Sadhna GARG (INDIA)

10:00 - 10:30

Short Free Paper Session — Foot & Ankle

Moderators: Philipp FUNOVICS (AUSTRIA), Arvind PURI (INDIA)

10:30 2-5 year results after minimally invasive reconstruction of the Achilles tendon with semitendinous tendon transfer
Hajo THERMANN, Ahmed SHOKRY, Ahmed HEGAZI (GERMANY)

10:35 Additional akin proximal phalanx procedure has limited effect on outcome of scarf osteotomy for hallux valgus surgery
Marcin MILCZAREK, Nowak KRZYSZTOF, Tomaski BARTLOMIEJ, Milczarek J ULIA, Domzalski MARCIN (POLAND)
14:00 Timing of surgical reduction and stabilisation of talus fracture-dislocations
Manoj MITTAL (INDIA)
14:05 Functional outcome of single-stage correction of paralytic rigid equinovarus deformities
Deepak SHARAN (INDIA)
14:10 Weber-TCNC-arthrodesis – ultima ratio in different talar pathology
Michael WEBER (UNITED ARAB EMIRATES)
14:15 Observation on the curative effect of calcaneal longitudinal osteotomy in the treatment of malunion of calcaneal fracture
Chun-Guang LI, Xiang Yang XU (CHINA)
14:20 Retrograde drilling and autologous cancellous bone grafting technique for osteochondral lesion of the talus
Guangrong YU (CHINA)
14:25 Comparison of partially threaded and fully threaded 4mm cancellous screws in fixation of medial malleolar fractures: a randomised clinical trial
Seyed Hadi SEYED HOSEINIAN, Farshid BAGHERI, Sogol GOLSHAN, Mohammad Hosein EBRAHIMZADEH (IRAN)
14:30 Peroneal tendon dislocation in talus fractures and diagnostic value of fleck sign
Ahmed ATTIA, Karim KHAMIS, Tarek TAHAA, Osama ALDAHAMSHEH, Maged MEKHAIMAR (QATAR)
14:35 Ten years post compression arthrodesis in infected diabetic Charcot ankle joint
Ahmad ALLAM (EGYPT)
14:40 Treatment options for unstable ankle fractures in older adults: a systematic review and meta-analysis
Catrin WIGLEY, Andrew GRAZETTE, Andrew METCALFE (UNITED KINGDOM)
14:45 Correlation of valgus-external rotation deformity in neglected fractures of the ankle
Satya Ranjan PATRA, Dibya Sinha DAS, Naresh Kumar PANIGRAHI, Manoj MADINI, Udit UPADHYAYA, Indranil DEY, Siddhartha Shankar MOHANTY, Hemanta Kumar BAMI/DI (INDIA)
14:50 Displaced intra-articular calcaneal fractures – open reduction and internal fixation versus primary sublar fusion: a retrospective cohort study
Brady BONNER, William BRYCESON, Arvind PURI (AUSTRALIA)
14:55 To weight-bear or not to weight-bear? The ankle fracture fixation question
Jonathan BLACK (UNITED KINGDOM)
15:00 Platelet rich plasma for treatment of osteochondral lesions of the talus: a systematic review of clinical trials
Oliver Emmanuel YAUSEP¹, Sameera ABAS², Madhi IMAD², Dionysios TRIGKILIDAS²
¹(INDONESIA), ²(UNITED KINGDOM)
15:05 An evaluation of regional anaesthesia in patients undergoing foot surgery
Bryan LOH, Nicholas Eng Meng YEO, Sze Ying THONG (SINGAPORE)
15:10 Regardless of the previous physiotherapy, ESWT is effective in the treatment of planter fasciitis in the midterm
Marcin DOMZALSKI, Joanna KAPUSTA, Patrycja SZKUTNIK, Ilona WAGNER-OLSZEWSKA (POLAND)
15:15 Osteoblastoma in children and adolescents: analysis of 57 patients
Anton FRANTOV, Gennady BERCHENKO, Ilya KRAYETS (RUSSIA)
15:20 Outcomes of minimally invasive spine surgery for spinal metastasis
Amith Ram RAMASANY, Karthik KAILASH (INDIA)
15:25 The illuminOss photodynamic bone stabilization system for pathological osteolysis and fractures of the humerus: indications, advantages and limits in a series of 12 patients and 13 procedures at mid-term follow-up
Carmine ZOCCALI, Jacopo BALDI, Alessandra SCOTTO DI UCCIO, Nicola SALDUCCA, Roberto BIAGINI (ITALY)
15:30 50 cases experience in treatment aneurysmal bone cysts treated by extended curettage, cryosurgery and bone grafting
Osman Abd Ellah MOHAMED (EGYPT)
15:35 Recurrence rate after treatment of aneurysmal bone cyst with intralesional procedures and adjuvant therapy at paediatric age group
Mohammad AL-AWAN (J ORDAN)
15:40 Free fibula reconstruction of distal tibial osteoarticular defects after sarcoma surgery
Bulent EROL, Ewrim SIRIN, Ozgur BAYSAL, Fevzi SAGLAM, Said Erkam BAYKAN, Servet IGREK (TURKEY)
15:45 Low-dose zoledronate for local delivery to patient-derived spinal bone metastasis secondary to lung cancer
Elie AKOURY, Pouyan ANGANGAR, Ana Sofia RAMIREZ GARCIA LUNA, Michael WEBER, Derek ROSENZWEIG (CANADA)
15:50 Mixed bone grafting (autograft + hydroxyapatite crystals) in the management of benign lytic lesions of bone: a prospective study
Iftekhar ANSARI (INDIA)
15:55 Local recurrence in bone sarcoma treatment and results in 55 cases
Reda HARRAR, Chafiza GRARADJ, Kamel ACHOUR, Mourad HAMIDANI, Kamel ACHOUR, Mourad OUBIRA, Abdelhalim OULD ROUIS (ALGERIA)
16:00 Management of giant cell tumor of lower third tibia with curettage and extended curettage, cryosurgery and bone grafting
Vipul SHET, Eknath PAWAR, Amit YADAV, Akash SARAOGI, Ankit MARFATIA, Sandeep GAVHARE (INDIA)
16:05 Giant cell tumor with secondary aneurysmal bone cyst of the patella: a case report
Sujit TRIPATHY, Doki SUNIL, Velagada SANDEEP (INDIA)
16:10 Lumatic endoprosthetic reconstruction after periacetabular tumour resection: midterm results
Bulent EROL, Ewrim SIRIN, Mert Osman TOPKAR, Fevzi SAGLAM, Said Erkam BAYKAN, Servet IGREK (TURKEY)
16:15 Non-vascularized fibular strut grafting in benign lytic lesion of proximal femur
Manoj MADINI, Hemanta Kumar BAMI/DI, Satya Ranjan PATRA, Dibya Sinha DAS, Naresh Kumar PANIGRAHI, Indranil DEY, Udit UPADHYAYA, Siddhartha Shankar MOHANTY (INDIA)
16:20 High efficacy of combination therapy of mTOR inhibitor and VEGFR inhibitor against doxorubicin resistant osteosarcoma using patient-derived orthotopic xenograft model
Hiromichi OSHIRO¹, Tasuku KIYUNA¹, Hiroki MAEHARA¹, Robert HOFFMAN², Yasunori TOME²
¹(JAPAN), ²(UNITED STATES)
16:25 Management of giant cell tumor of lower third tibia with curettage and hydroxyapatite bone cementation in benign lytic lesions of bone. A case study
Said Erkam BAYKAN, Said Yildirim SARMAZ, Sogol SADEH (INDIA)
16:30 Outcomes of minimally invasive spine surgery for spinal metastasis
Amith Ram RAMASANY, Karthik KAILASH (INDIA)
16:35 The IlluminOss photodynamic bone stabilization system for pathological osteolysis and fractures of the humerus: indications, advantages and limits in a series of 12 patients and 13 procedures at mid-term follow-up
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17:05 Giant cell tumor with secondary aneurysmal bone cyst of the patella: a case report
Sujit TRIPATHY, Doki SUNIL, Velagada SANDEEP (INDIA)
16:00 Comparing clinical outcome with the patient-reported outcome and their relation with patient satisfaction following primary anterior cruciate ligament reconstruction
Manesh JAIN, Surendra KAMATH (INDIA)

16:05 Can a bioactive glass containing screw be used for anterior cruciate ligament graft fixation? Prospective study on 108 patients
André FERREIRA, Philippe D’INGRADO (FRANCE)

16:10 Corticosteroid injections in adhesive capsulitis of shoulder: a systematic review of randomised clinical trials
Alok AGGARWAL (INDIA)

16:15 Less than 9.5mm coracohumeral distance predicts for subscapularis tear
Kilian RUECKL, Stefan HERZ, Mohammed El TABBAKH, Thomas REICHEL, Thorsten BLEY, Piet PLUMHOF (GERMANY)

16:20 Alternations in serratus anterior electromyographic activity in preadolescent swimmers with a history of shoulder pain
Marcin DOMZALSKI, Janna KOWALSKA, Patrycia SZKUTNIK, Magdalena FRONCZEK-WOJ CIECHOWSKA, Karolina KOPACZ, Gianluca PADULA (POLAND)

16:25 Does virtual reality simulation have a role in training trauma and orthopaedic surgeons?
Raymond MCKENNA, Dessie GIBSON, John WONG-CHUNG (UNITED KINGDOM)

16:30 Anthropometric correlation with hamstring graft size in anterior cruciate ligament reconstruction among male patients: a prospective cohort study
Ghali AMAD AL HANEEDI, Isam MOGHAMIS, Yousif ABUODEH, Ali DARWICH, Ali Alateeg Al Dosari MOHAMMAD, Talal IBRAHIM (QATAR)

16:35 Injuries in underwater rugby
Max Daniel KAUTHER, Felicitas MINNEMANN, Manuel BURGGRAF, Christina POLAN, Lothar MEYER, Felix REINECKE, Kai GÖDDE, Marcel DUDDA (GERMANY)

16:40 Incidence of venous thromboembolism post hip arthroscopy
Terin THOMAS, Ravindra GUDENA (UNITED KINGDOM)

16:45 Avoid postoperative bracing, reduce ACL rupture rates
Arjun NAIK, Bishwaranjan DAS, Yogeesh KAMAT (INDIA)

16:50 Aperture vs suspensory devices for the tibial side fixation in single bundle anatomic anterior cruciate ligament reconstruction using quadrupled hamstring tendon graft
Madhusha JAYASEKARA, Dilshan MUNDASDA (SRI LANKA)

16:55 Dynamic intraligamentary stabilisation for primary repair of acute anterior cruciate ligament rupture: early results from the east of England
Kenan KURSUMOVIC, Sophie PERRIO, Willem SCHENK, Andrew DUNN (UNITED KINGDOM)

17:00 Clinical outcome after anterior cruciate ligament reconstruction using hamstring tendon autograft: a prospective study with 6 months follow-up
Matiaz SAJ OVIC (SLOVENIA)

17:05 Do patients with a frozen shoulder and concomitant partial rotator cuff tear benefit from rotator cuff repair?
Winston Shang Rong LIM, Amit Kanta MITRA, Paul Chee Cheng CHANG (SINGAPORE)

17:10 Internal bracing of quadriceps tendon ruptures: a novel technique for primary repair
Martina FAIMALI, Khan SHAHNAWAZ, Kiran DIWANI, Henry ATKINSON (UNITED KINGDOM)

17:15 Epidemiology of anterior cruciate ligament and meniscal injuries at a tertiary care centre in western India
Swapneel SHAH, Surendra Singh BAVA, Pradip NENADE, Aditya RAJ, Nandan MARATHA, Saurabh CHAUDHARI (INDIA)

17:20 Arthroscopic management of giant synovial osteochondromatosis of the knee joint
Samundeeswar SASEENDAR, Saseendar SHANMUGASUNDARAM²,¹ (INDIA), (OMAN)

17:25 Outcomes of single bundle anatomic anterior cruciate ligament reconstruction using quadrupled hamstring tendon graft, length adjustable cortical suspensory button devices and bio absorbable interference screws for femoral and tibial fixation
Madhusha JAYASEKARA, Dilshan MUNDASDA (SRI LANKA)

17:30 Arthroscopic simulator
Ahmed Yousef SABER¹, Hassan EL-SAYED¹, Mohamed TAHA¹, Shunil KOSHV², Maged SHAHIN², Walid HUSSEIN¹,² (UNITED KINGDOM), (EGYPT)

17:35 Meniscal root repair
Ammar OMAR (EGYPT)

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**Tumours / APOA / ARTOF | Friday, 6 December | Meeting Room 9**

**Free Paper Session — Tumours**

**Moderators: Joseph BENEVENIA (UNITED STATES), Maximilian RUDERT (GERMANY)**

**08:00 Keynote lecture: What is next after resection of bone sarcomas?**
Bülent EROL (TURKEY)

08:15 Arthroplasty of shoulder and elbow joints in cases of bone tumours
Volodymyr PROTSENKO, Volodymyr CHORNEYI (UKRAINE)

08:23 The efficacy and safety of intraoperative navigation in spinal tumour surgery
Ankith NV, Ajoy PRASAD SHETTY, Rishi MUGESH KANNA, Shanmuganathan RAJ ASEKARAN (INDIA)

08:31 Surgery of femoral metastasis: result of selecting procedures based on patient prognosis
Hiroya KATAGIRI, Atsushi TANAKA, Hideki MURATA, J unji WASA, Michihito MIYAGI, Mitsuhiro TAKAHASHI (JAPAN)

08:39 Early experience with CT-guided computer navigation-assisted surgery in musculoskeletal tumour surgery
Philipp FUNOVICS, Markus SCHREINER, Heiko SCHMID-STINO, Klemens VERSTESCH, Gerhard HOBUSCH, J oannis PANOTOPoulos, Reinhard WINDHEISER (AUSTRIA)

08:47 90-day complications after surgery for spinal tumours
Mahboub EL HASHEM, Omid J ALALI, Blake FORMANEK², Zorica BUSER², Jeffrey WANG²,¹ (SUDAN), (UNITED STATES)

08:55 Improved virtual surgical planning with 3D-multimodality image for malignant giant pelvic tumours
Fang XIAO, Hong DUAN (CHINA)

09:03 Total femoral prosthesis replacement following resection of femoral malignant tumours
Wu FAN, Hong DUAN (CHINA)

09:11 Implant survival in hip replacement for tumours around the hip
Ola ROLFSON, Marcus BORENÅS, David WINNERGREN, Christina BERGER, Rikard WEDIN (SWEDEN)

09:19 3D-printed titanium custom-made prostheses in reconstruction after resection of pelvic tumours: results at medium follow-up
Carmine ZOCCALI, Jacopo BALDI, Luca CANNAVO, Alessandra SCOTTI DI UCcio, Roberto BIAGINI, Alessandro LUZZATI, Gennaro SCOTTO (ITALY)
Retrospective and prospective study of giant cell tumour of bone: multi-modal approach
Kritesh MISHRA, Mudit SHAH (INDIA)

09:27 SICOT Instructional Symposium — Tumours
Moderators: Pietro RUGGERI (ITALY), Salim AL-BUSAIDI (OMAN)

10:30 Definition of oligometastasis: the literature
Nedim AYTEKIN (TURKEY)

10:45 Principles of treatment of skeletal oligometastasis
Pietro RUGGERI (ITALY)

11:00 Multidisciplinary approach and the role of radiotherapy
Yogesh PANCHWAGH (INDIA)

11:15 Medical treatment of oligometastasis
Antonella BRUNELLO (ITALY)

11:30 Discussion

16:30 Smart operating rooms: advanced intraoperative imaging to optimised workflow
Jason STRELZOW (UNITED STATES)

16:45 Outcome oriented innovation in surgical processes from the perspective of the medical industry, based on co-creation, cross-industrial exchange and collaboration in value-chain-management
Soren LAUINGER (GERMANY)

17:00 The potential of digital health: cultural transformation of traditional healthcare
Samuel MOLYNEUX (UNITED KINGDOM)

17:15 Panel discussion

Dry Shoulder Arthroscopy Labs | Friday, 6 December | Meeting Room 10+11

Instructors: Umer BUTT (PAKISTAN), Raed ABU TALEB (SAUDI ARABIA), Teo Seow HUI (MALAYSIA), Ahmed KHATER (EGYPT)
(For course details see page 8)

14:00 Percutaneous acetabular surgery: how to get it right?
Cyril MAUFFREY (UNITED STATES)

14:12 Management of femoral head fractures: tips and tricks
Jamal ASHRAF (INDIA)

14:24 Fractured neck of femur: how good is the BDSF technique
Anup AGRAWAL (INDIA)

14:36 Application of 3D planning and printing for the hip
Christian FANG (HONG KONG)

14:48 Unstable intertrochanteric fractures: tips and tricks
Ram PRABHOO (INDIA)

15:00 Periprosthetic fractures around the THR: how I do it
David CHOOON (MALAYSIA)

15:12 Discussion

Instructors: Ahmed KHATER (EGYPT), Santosh SAHANAND (INDIA), Deepak BHATIA (INDIA), Gabriel RIFFEL (BRAZIL)
(For course details see page 8)

Knee-Shoulder Cadaver Lab | Friday, 6 December | Sultan Qaboos University Hospital

14:00 Instructional Course — Dry Shoulder Arthroscopy Lab
Moderators: Önder AYDINGOZ (TURKEY)

14:00 Percutaneous acetabular surgery: how to get it right?
Cyril MAUFFREY (UNITED STATES)

14:12 Management of femoral head fractures: tips and tricks
Jamal ASHRAF (INDIA)

14:24 Fractured neck of femur: how good is the BDSF technique
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Ram PRABHOO (INDIA)

15:00 Periprosthetic fractures around the THR: how I do it
David CHOOON (MALAYSIA)

15:12 Discussion

Instructors: Ahmed KHATER (EGYPT), Santosh SAHANAND (INDIA), Deepak BHATIA (INDIA), Gabriel RIFFEL (BRAZIL)
(For course details see page 8)
Moderator: Ayman AL-AMRY (OMAN), Gabriel RIFFEL (BRAZIL)
Instructors: Ayman AL-AMRY (OMAN), Gabriel RIFFEL (BRAZIL)
(For course details see page 9)

13:00 - 17:00

Instructional Course — Knee Arthroscopy Cadaver Lab

Moderators: Sultan AL-MASKARI (OMAN), Fernando ROSA (BRAZIL)
Instructors: Darci Duarte LOPES (BRAZIL), Bobby ANAND (UNITED KINGDOM), Sultan AL-MASKARI (OMAN), Fernando ROSA (BRAZIL)
(For course details see page 8)

13:00 - 17:00

Instructional Course — Shoulder Arthroscopy Cadaver Lab

Moderator: Ayman AL-AMRY (OMAN), Gabriel RIFFEL (BRAZIL)
Instructors: Bhuvan MACHANI (UNITED ARAB EMIRATES), Usama Hassan SALEH (UNITED ARAB EMIRATES)
(For course details see page 9)

Trauma | Saturday, 7 December | Auditorium

08:00 - 10:00

SICOT Instructional Symposium — Delayed Presentation

Moderator: To be announced

08:00 | Road traffic fatalities: issues and recommendations
Thami BENZAKOUR (MOROCCO)

08:10 | Incidence of delayed presentation in Europe
Jordan SAVESKI (MACEDONIA)

08:20 | Delayed presentation in India
Vivek TRIKHA (INDIA)

08:30 | Delayed presentation of urban terrorism injured patients with multiple injuries
Kai Oliver J ENSEN (SWITZERLAND)

08:40 | Delayed presentation of isolated closed injuries: a challenge!
Vivek TRIKHA (INDIA)

08:50 | Prevention and treatment of post-traumatic infection
Khaled EMARA (EGYPT)

09:00 | Delayed presentation in polytrauma patients
To be announced

09:10 | Delayed presentation of compartment syndrome
Reinhard SCHNETTLER (GERMANY)

09:20 | Discussion

10:30 - 12:00

Free Paper Session — Trauma 4

Moderators: Ram Kewal SHAH (NEPAL), Sanjay KESHKAR (INDIA)

10:30 | Supratellar tibial nailing reduces radiation exposure and operative time compared to conventional tibial nailing
Ram Mohan RAGHAVENDRA, Anil Kumar SINGHAL, Glenn CLEWER (UNITED KINGDOM)

10:38 | Does bone grafting at the docking site lead to improved union following bone transport for segmental bone defects of the tibia and the femur? A retrospective cohort study
Hasan NAHOULI, Karim MASROUHA, Rima ABDUL-KHALEK, Asdgиг DER-BOGEHOSSIAN, Ali RTEL, Wassim MOURAD, Said SAGHIEH (LEBANON)

10:46 | The use of anatomical locked plate as an external fixator for Schatzker (VI) fractures
Rafid AL ADHAB (IRAQ)

10:54 | Dia-metaphyseal fractures of distal tibia treated with intramedullary nails which are distally locked with an innovative locking system: a prospective clinical study
Mehmet Salih SOYLEMEZ, Necdet SAGLAM, Ismail TURKMEN, Fuat AKPINAR (TURKEY)

11:02 | Complications associated with plate fixation of distal fibular fractures
J Tumer VOSSELLER, Henrik BACKER, J ustin GREISBERG (UNITED STATES)

11:10 | Surgical treatment of comminuted intraarticular distal radius fracture with external fixation: functional outcome and short term follow-up
Mohammed AL-SAIFI, Khaled SWAILEM, Anwar MUGHALIS, Mohammed SADHAN (YEMEN)

11:18 | Outcomes following conservative versus surgical treatment in displaced distal radius fractures
Daniel OLTEAN DAN, Ana Diana BILOUS, Mihael Gheorghe PAUSAN, Petronela Laura PAUSAN, Christian Paul DAN, Ciprian Alin BARDAS, Horea Rares Ciprian BENA, Gheorghe TOMOAU (ROMANIA)

11:26 | The outcome of deltoid ligament repair in ankle fractures: a meta-analysis
Maged MEKHAIMAR, Motasem SALAMEH, Abduljabbar ALHAMOUD, Nidal ALKHATIB, Ghailb AHMED, Karim MAHMOUD (QATAR)

Hip | Saturday, 7 December | Grand Ballroom Hall A1

08:00 - 10:00
**SICOT Instructional Symposium — Instructional Course Lecture: Cemented THA - How? Why? Results**

**Moderators:** Jacques CATON (FRANCE), Eduardo SALVATI (UNITED STATES)

08:00  The cement
  Mustafa CITAK (GERMANY)

08:10  Stem cementation: evolution
  Jean-Louis PRUDHON (FRANCE)

08:20  Modern cementation: pros
  Mustafa CITAK (GERMANY)

08:30  Modern cementation: cons
  Phillipe HERNIGOU (FRANCE)

08:40  The French paradox
  Jacques CATON (FRANCE)

08:50  Stem cementation and surface finish
  Laurent SEDEL (FRANCE)

09:00  Exeter technique
  Mohamed SUKEIK (SAUDI ARABIA)

09:10  Cup cementation (fixed and DMC)
  Chahine ASSI (LEBANON)

09:20  Results
  Jacques CATON (FRANCE)

09:30  Conclusion: future of cemented THA
  Andreas MAVROGENIS (GREECE)

09:40  Discussion
  Eduardo SALVATI (UNITED STATES)

10:30 - 12:00

**Free Paper Session — Hip 4**

**Moderators:** Bassel EL-OSTA (LEBANON), Laszlo BUCSI (HUNGARY)

10:30  Stress management, art exhibitions and total hip and knee arthroplasty in ambulatory surgery
  Yves MICHAUD (FRANCE)

10:38  Multimodal thromboprophylaxis in patients with a prior history of venous thromboembolism undergoing primary hip arthroplasty
  Eduardo SALVATI, Alejandro GONZALEZ DELLA VALLE, Kate SHANAGHAN (UNITED STATES)

10:46  Validation of the World Health Organisation Quality of Life Instrument (WHOQOL-BREF) Hindi questionnaire in total hip replacement patients
  Prasoon KUMAR, Ramesh SEN, Rajesh KUMAR RAJ NISH (INDIA)

10:54  Hip muscle strength and gait speed after hip surgery for the treatment of osteoarthritis of the hip in adult: RAO versus THA
  Tetsuya ENISHI, Ryosuke SATO, Shinji YOSHIOKA, Masaru NAKAMURA, Shunji NAKANO (JAPAN)

11:02  Is 'safe surgical dislocation of the hip' really safe? Our experience
  Praveen RAMIA, Govardhan RAMIA (INDIA)

11:10  Pelvic obliquity after total hip arthroplasty: is it correctable completely?
  Darlish GOURAN SAVADKOONI, Babak SAVASHTI, Ehsan PENDAR, Mohamadjavad ZEHTAB, Slavash MOLANAEI (IRAN)

11:18  Total hip arthroplasty with an uncemented Wagner cone stem for patients with deformity of the proximal femur or subluxation/dislocation hip
  Shunji NAKANO, Shinji YOSHIOKA, Masaru NAKAMURA, Rhosuke SATOH, Tetsuya ENISHI, Koichi SIRYO (JAPAN)

11:26  Accuracy and reproducibility of visual estimation of the acetabular cup positioning on AP and lateral radiographs by the orthopaedic surgeons is very poor
  Charlotte SOMERVILLE, Krishna RODDU, Robert BUTCHER, Oliver SHASTRI, Jacques GEDDES (UNITED KINGDOM)

11:34  Hyperbaric oxygen therapy versus core decompression augmented with bone substitute in pre-collapse avascular necrosis of the hip
  Ghalib AHMED AL HANEEDI, Isam MOGHAMIS, Abduljabbar ALHAMMOUD, Osama KOKASH (QATAR)

11:42  Our original non-invasive mechanical navigation technique for cementless total hip arthroplasty (THA) has demonstrated a high level of accuracy in component placement on obese patients as well as non-obese patients
  Hideo ONISHI, Tepppei MURALI, Koji ODA, Kazutaka YASUI, Naoki KURINOMARU, Toshiki IWAMOTO, Hidetoshi TANAKA, Satoshi OKABE (JAPAN)

11:50  Is hip arthroscopy cost-effective for the treatment of non-cemented THA using an uncemented Wagner cone stem?
  Saitto SHOMAN (UNITED STATES)

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**Osteoporosis | Saturday, 7 December | Grand Ballroom Hall A2**

**Partner Society Symposium — IOF: Osteoporosis (Fragility) Fractures in Orthopaedic Surgery: Interactive Case Discussion**

**Moderators:** Josee DELISLE (CANADA), Serge Livio FERRARI (SWITZERLAND)

08:00  Case study #1: patient presenting with first distal radius fracture
  Josee DELISLE (CANADA)

08:28  Case study #2: patient presenting with a vertebral fracture
  Peter ARZEM (CANADA)

08:56  Case study #3: patient presenting with a fracture of the hip
  Serge Livio FERRARI (SWITZERLAND)

09:24  Case study #4: patient presenting with an atypical fracture of the femur
  Christiano SALIBA (BRAZIL)

09:52  Closing message
  Josee Yves REGINSTER (SWITZERLAND)
08:15 Women's professional football: the next big thing
Rodrigo MONTIEL (BRAZIL)

08:30 Team doctor and orthopaedic surgeon working hand in hand
Jose PADILLA (QATAR)

08:45 For and against we stand: a crossfire on controversies in football lesions and professional football players (round table)

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**Football / Emerging Technology | Saturday, 7 December | Grand Ballroom Hall A3**

**Free Paper Session — Pain/Osteoporosis**

Moderators: Mohammed AL-BAYATTI (IRAQ), Michael WEBER (UNITED ARAB EMIRATES)

10:30 Rising needle sign during lumbar facet injection: a useful sign in helping localising the facet and reducing radiation exposure
S SAKKA (JOR) ORDAN

10:38 ‘Hand on hip sign’: a novel sign and diagnostic tool in piriiformis syndrome
Sadiq MOHAMMED, Azher Hussain SYED, Nayeemuddin MOHAMMED (INDIA)

10:46 Opioid dose affects increase LOS
Atif AYUB, Salamah AYYAD, Phillip PAIRON, Fares HADDAD (UNITED KINGDOM)

10:54 Quality of life after amputation in patients with advanced complex regional pain syndrome — a systematic review
Brijesh AYASWAMY, Saeed BILAL, Anoop ANAND, Lal CHAN, Vishwanathan SHETTY (UNITED KINGDOM)

11:02 Ice-can rolling and stretching technique in acute plantar fascitis as an effective treatment
Manoj MADINI, Satya Ranjan PATRA, Naresh Kumar PANIGRAHI, Dibya Singha DAS, Hemanta Kumar BAMIDI, Siddhartha Shankar MOHANTY, Udit UPADHYAYA, Indranil DEY (INDIA)

11:10 Review of the first fracture liaison service of our hospital in an Indian healthcare perspective
Gunjan J AIN, Vijay SHARMA (INDIA)

11:18 Factors affecting bone mineral density in an Indian adult population and their response to therapy
Kiran Kumar Vedavyasa ACHARYA, Sashitemjen AIER (INDIA)

11:26 Does sarcopenia increase the risk of fresh vertebral fragility fractures?
A case control study
Vyom SHARMA, Shanmuganathan RAJ ASEKARAN, Ashish ANAND, Ajoy SHETTY, Rishi Mugesh Kanna P (INDIA)

11:34 When to do biopsy in benign looking osteoporotic fractures radiologically and clinically
Vijay Kumar KHARIWAL, Sadhna GARG (INDIA)

11:42 Efficacy and safety of once-yearly zoledronic acid administration for the super elderly — short-term results
Hitoshi TANIGAWA, Kosel ANDO, Ryo NAKAJIMA, Masato TANEMURA, Shinji IMAI (JAPAN)

**Football Symposium: 2022 FIFA World Cup, Qatar: Orthopaedic Surgeons at the Highest Level**

Moderators: Mohamed DARWISH (OMAN), Jose PADILLA (QATAR)

08:00 Prevention of orthopaedic lesions in football
Mohammed RAZI (IRAN)

**Free Paper Session — Emerging Technology**

Moderators: Ajeya ADHIKARI (UNITED KINGDOM), Umer BUTT (PAKISTAN)

10:30 Computer assisted live navigation for glenoid baseplate fixation in severe glenoid bone loss during reverse shoulder arthroplasty
Inayat PANDA¹, Mark HABER² (INDIA), (AUSTRALIA)

10:38 Accuracy and safety evaluation of robot assisted subdermal intermuscular pedicle screw technique
Cong LIN, Zhu YUE (CHINA)

10:46 Can robotic technology take enhanced recovery arthroplasty one step further? A prospective cohort study
Atif AYUB, Babar KAYANI, Sujith KONAN, J enni TAHMASSEBI, Fares HADDAD (UNITED KINGDOM)

10:54 Mechanical testing of a novel 3D-printed femoral stem under dynamic loading
Douglas UNIS, Sulaiman SOMANI, Nathan HO, Eddie EBRAMZADEH, Sophia SANGIOGIO (UNITED STATES)

11:02 Morphometric analysis of the odontoid process and influence of screw design in odontoid fixation: a study in an Indian population
Shreesh Kadur J M, Abhishek KASHYAP (INDIA)

11:10 Robotic-assisted total knee arthroplasty maintains posterior condylar offset with greater femoral component flexion, smaller component size and better functional results
Atif AYUB, Babar KAYANI, Rowan FIASCHERA, Fares HADDAD (UNITED KINGDOM)

11:18 Accuracy of implant positioning in robotic-assisted primary total knee replacement versus conventional jig based TKR
Balu C BABU, J ai THILAK, Thadi MOHAN (INDIA)

11:26 Robot assisted subdermal intermuscular pedicle screw technique in the minimally invasive treatment of adolescent idiopathic scoliosis: accuracy and safety evaluation of this novel minimally invasive technique
Cong LIN, Zhu YUE (CHINA)

11:34 Robotic surgery improves accuracy in restoration of native hip biomechanics and reduces outliers in safe zones of acetabular implant positioning
Atif AYUB, Babar KAYANI, Sujith KONAN, Raj THAKRAR, Huq SUMON, Fares HADDAD (UNITED KINGDOM)

11:42 3D printing and 3D models as a part of preplanning for complex total hip arthroplasty
Kalaivanan KANNIYAN, Shantanu PATIL (INDIA)

11:50 An ultrasound image-based surgical navigation using deep learning network for a bone cyst surgery
Ilhyung PARK, Sanghyun J OUNG, Chul-Woo PARK (SOUTH KOREA)

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**Microsurgery | Saturday, 7 December | Grand Ballroom Hall C1**

**SICOT Instructional Symposium — Football Symposium: 2022 FIFA World Cup, Qatar: Orthopaedic Surgeons at the Highest Level**

Moderators: Mohamed DARWISH (OMAN), Jose PADILLA (QATAR)

08:00 Prevention of orthopaedic lesions in football
Mohammed RAZI (IRAN)

48 | 40th SICOT
08:00 - 10:00

**SICOT Instructional Symposium** — Use of Microsurgery in Orthopaedic Trauma

**Moderator:** Marko BUMBASIREVIC (SERBIA)

08:00 Importance of microsurgery in solving of difficult problems in traumatised limbs
Marko BUMBASIREVIC (SERBIA)

08:07 FVFGS
Konstantinos MALIZOS (GREECE)

08:14 Free vascularised fibular graft, harvest technical details and different indications
Ahmad ADDOSSOKI (EGYPT)

08:21 Damage control and reconstructive microsurgery applied in salvage of mangled limb
Qing-Tang ZHU (CHINA)

08:28 Management of finger tip injury/distal finger amputation
Margaret FOK (HONG KONG)

08:35 Surgical management of ring fingers
Fabian MOUNGONDO (BELGIUM)

08:42 VBGS for scaphoid
Konstantinos MALIZOS (GREECE)

08:49 Microsurgical approach in complex traumas of the lower leg
Alexandru GEORGESCU (ROMANIA)

08:56 Open contaminated wounds with soft tissue loss: management with microvascular flaps
Panayotis SOUCACOS (GREECE)

09:03 Microsurgical reconstruction of major heel defects, lessons and pitfalls
Mohamed ELLABBAN (EGYPT)

09:10 Discussion

10:30 - 12:00

**SICOT Instructional Symposium** — Use of Microsurgery in Orthopaedic Tumour Surgery

**Moderators:** Pietro RUGGIERI (ITALY), Marko BUMBASIREVIC (SERBIA)

10:30 Musculoskeletal oncology of the extremities: reconstructive microsurgery as a useful and versatile tool
Panayotis SOUCACOS (GREECE)

10:42 Orthoplastic in musculoskeletal tumour surgery
Franco BASSETTO (ITALY)

10:54 Segment forearm amputation followed by replantation for treatment of radius osteosarcoma
Qing-Tang ZHU (CHINA)

11:06 Microsurgical treatment of different tumour cases in orthopaedic surgery
Albert LAM (HONG KONG)

11:28 Management of neuropathic pain with nerve transfers
Margaret FOK (HONG KONG)

11:30 Discussion

10:30 - 12:00

**Partner Society Symposium** — WAIOT: Clinical Pathways and MSI in the Middle East and Surrounding Countries (II)

**Moderators:** Ashok J OHARI (INDIA), Guenter LOB (GERMANY), Thami BENZAKOUR (MOROCCO), Hazem ALKHAWASHKI (SAUDI ARABIA)

08:00 Early diagnosis of musculoskeletal infection is mandatory for a complete recovery — lost time = lost chance of healing
Guenter LOB (GERMANY)

08:08 Treatment of osteomyelitis in the paediatric age
Ashok J OHARI (INDIA)

08:16 Microbiological sampling and processing in orthopaedics
Carlo ROMANO (ITALY)

08:24 How to manage the infected osteosynthesis: the ICS classification
Carlo ROMANO (ITALY)

08:32 Discussion

08:42 Biofilm and musculoskeletal infections: current concept
Rafid AL ADHAB (IRAQ)

08:50 Arthrodesis of the ankle joint in septic osteoarthritis
Chingiz ALIZADEH (AZERBAIJAN)

08:58 Epidemiology of MSI in orthopaedics and trauma in Africa
Thami BENZAKOUR (MOROCCO)

09:06 Surgical site infection control in scoliosis surgery: can we have a consensus?
Alaa AHMAD (PALESTINE)

09:14 Pyogenic infection of the spine
Bahaa KORNAH (EGYPT)

09:22 Discussion

10:30 - 12:00

**Partner Society Symposium** — WAIOT: MSI in the Middle East and Surrounding Countries (II)

**Moderators:** Ferdinando DA RIN DE LORENZO (ITALY), Konstantinos MALIZOS (GREECE)

10:30 Infection in sicklers
Thamer HAMDAN (IRAQ)

10:38 Southern west KSA sicklers patterns of MSI
Mohammad ALOTAIBI (SAUDI ARABIA)

10:46 How to differentiate vaso-occlusive crisis and acute osteomyelitis
Dalal BUBSHAIT (SAUDI ARABIA)

10:54 PJ I: 30 years of personal experience at one institute (SFH)
Salah ELMOUR (SAUDI ARABIA)

11:02 Difficulties in managing PJ I: 12-year review of Egyptian community arthroplasty registry
Mahmoud HAFEZ (EGYPT)
11:10 Management of MSI with bone loss with Masquelet technique: Tunisian experience
   Sofiene KALLEL (TUNISIA)

11:18 Versatility of Ilizarov principles in post-traumatic femoral infection
   Mohamed FADEL (EGYPT)

11:26 Uses of bone transport on bone loss and infection
   Saleh ALHARBY (SAUDI ARABIA)

11:34 Discussion

SOFCOT / Miscellaneous | Saturday, 7 December |
Grand Ballroom Hall C3

Partner Society Symposium — SOFCOT: Hip Osteonecrosis

Moderator: Phillipe CHIRON (FRANCE)

08:00 What every surgeon should know
   Phillipe CHIRON (FRANCE)

08:10 Survey results on AVN in France
   Arthur J USTO (FRANCE)

08:20 Outcomes following core decompression for AVN
   Vikas KHANDEJ A (UNITED KINGDOM)

08:30 AVN treated with bone marrow concentrate
   William MURRELL (UNITED ARAB EMIRATES)

08:40 Pelvic osteotomy for hip AVN
   Yasuhiro HOMMA (JAPAN)

08:50 Cell therapy in sickle cell disease
   Phillipe HERNIGOU (FRANCE)

09:00 Arthroplasty in osteonecrosis
   Bertrand BOYER (FRANCE)

09:10 Arthroplasty; bearing surface
   Brice RUBENS-DUVAL (FRANCE)

09:20 Discussion

10:30 - 12:00

Free Paper Session — Miscellaneous

Moderators: Sediq BEN DALLA (LIBYA), Peter KILONZO (KENYA)

10:30 Socioeconomic status of patients in a Swedish national self-management program for osteoarthritis compared to the general population — a descriptive observational study of 72,069 patients
   Ola ROLFSON, Kristin GUSTAFSSON, Joanna KVIST, Mark ERIKSSON, Leif DAHLBERG (SWEDEN)

10:38 Results of non-surgical management of femoral neck fractures in the elderly patients
   Gautam REDDY, Rajiv SANGER, Prakash CHANDRAN (UNITED KINGDOM)

10:46 Prevalence of piriformis syndrome among the cases of low back/buttock pain with sciatica: a prospective study
   Rajkumar MEENA (INDIA)

10:54 A randomised clinical trial on comparison of corticosteroid injection with splinting versus autologous platelet-rich plasma (PRP) with splinting in patients with lateral epicondylitis
   Rahul KHANNA (INDIA)

11:02 Extracorporeal shockwave therapy for treatment of nonunion, cross-sectional study
   Mutasim ELMHAI, Muhammed ALFAHEL (QATAR)

11:10 Evaluation of offloading in the treatment of neuropathic foot ulcers: a prospective study
   Alok PRUSTY, Biswajit SAHU (INDIA)

11:18 The use of platelet-rich plasma application in the treatment of diabetic foot ulcers: a systematic review of the literature
   Imad MADHI², Oliver Emmanuel YAUSEP², Dionysios TRIGKILIDAS¹, Sameera ABAS¹
   ¹(UNITED KINGDOM), ²(INDONESIA)

11:26 Platelet-rich plasma injections in hip osteoarthritis: does it work? A review
   Paul MC CARROLL, Mark BERNEY, Brian LENENAN (IRELAND)

11:34 Are you suffering pain neck due to smartphone text neck syndrome?
   Syed Faraz Ul Hassan Shah GILLANI, Rana Diliaziwa NADEEM, Muhammad AKHTAR (PAKISTAN)

11:42 Failed back surgery syndrome: outcome of an intensive, multimodal, interdisciplinary rehabilitation protocol
   Deepak SHARAN (INDIA)

11:50 Total hip arthroplasty: survey of acetabular reaming practices among French Society of Hip and Knee (SFHG) members
   Jean Louis FRUDION, Andre FERREIRA (FRANCE)

11:58 3D-technology in distal prosthesis of fingers' stumps
   Artem REZNIK, Alexander GUBIN (RUSSIA)

12:06 The application of 3D printing technology in orthopaedics and rehabilitative devices
   Yuanjing XU, J inwu WANG (CHINA)

Knee / Enhanced Recovery & Outpatient Arthroplasty | Saturday, 7 December | J Junior Ballroom A

10:00 - 12:00

SICOT Instructional Symposium — New and Old Patterns of Failure in TKR

Moderators: Miroslav HASPL (CROATIA), Fatih KUCUKDURMAZ (TURKEY)

08:00 Why are knees failing in 2019?
   Phil TURNER (UNITED KINGDOM)

08:09 Aseptic loosening management: role of alignment and balance
   Gautam CHAKRABARTY (UNITED KINGDOM)

08:18 Management and classification of mid-flexion instability
   Mojib MANZARY (SAUDI ARABIA)

08:27 Bone loss management in total knee arthroplasty
   Gabriele PANEGROSSI (ITALY)

08:36 Constraint in total knee arthroplasty: indications and role
   Ashok RAJGOPAL (INDIA)

08:45 Diagnosing the infected knee: current perspectives
   Darlush SAVADKOOGH (IRAN)
08:54 Treatment of the infected knee: what the literature says  
Ferdinando DA RIN DE LORENZO (ITALY)

09:03 Salvage options in failed total knee arthroplasty  
Maximilian RUDERT (GERMANY)

09:12 Discussion

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10:30 - 12:00

**SICOT Instructional Symposium** — Outpatient Total Joint Arthroplasty: Why, When and How

**Moderators:** Ajeya ADHIKARI (UNITED KINGDOM), Zachary POST (UNITED STATES)

10:30 The case for outpatient joint arthroplasty  
Zachary POST (UNITED STATES)

10:45 Current concept: enhanced anaesthesia for early discharge  
J esse OTERO (UNITED STATES)

10:55 Current concept: less invasive techniques in hip and knee arthroplasty  
Maxwell COURTNEY (UNITED STATES)

11:05 Current concept: pain management in arthroplasty  
Nagi Chetty BHASKARAN (UNITED KINGDOM)

11:15 Current concept: who should never be an outpatient? Screening and preventing complications  
J on CONROY (UNITED KINGDOM)

11:25 Current concept: blood loss management for the surgeon  
J ulio FERNANDES (CANADA)

11:35 Panel discussion: case review and hospital preparation for outpatient joint arthroplasty

**Young Surgeons Committee / Spine** | Saturday, 7 December | J unior Ballroom B

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08:00 - 10:00

**Young Surgeons Committee Symposium** — Difficult Case Discussions in Spine Surgery

**Moderators:** Cody BUNGER (DENMARK), Jong-Beom PARK (SOUTH KOREA)

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08:56 Case 5  
Bedri KARAIŞMA LOGLU (TURKEY)

09:10 Case 6  
Mahboub EL HASHEMI (SUDAN)

09:24 Discussion

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10:30 - 12:00

**Short Free Paper Session** — Spine

**Moderators:** Alaa AHMAD (PALESTINE), Aju BOSCO (INDIA)

10:30 Clinical relevance of cement leakage after kyphoplasty techniques and the diagnostic accuracy of fluoroscopy, radiography and computed tomography in detecting cement leakage in kyphoplasty  
Hans-J oachim RIESNER, Patricia LANG, Hackenbroch CARSTEN, Benedikt FRIEMERT, Hans-Georg PALM (GERMANY)

10:35 Bone cement intergrade better in earlier vertebraloplasty and may lead to less adjacent fractures  
Chang Chen YANG, Lee RÜ-PING, Wu WEN-TIEN (TAIWAN)

10:40 Early phase MRI after balloon kyphoplasty can predict subsequent adjacent vertebral compression fracture in osteoporotic patients  
Akihiro NAGAMACHI, Daiki NAKAJIMA, Masatoshi MORIMOTO, Kazuma WADA, Kaori MOMOTA (J APAN)

10:45 Change of the kyphotic angle after stand-alone percutaneous stent-kyphoplasty for thoracolumbar split and burst-split fractures  
Julian SCHERER, Simon TIZIANI, Kai SPRENGEL, Hans-Christoph PAPF, Georg OSTERHOF, (SWITZERLAND), (GERMANY)

10:50 The disc/endo plate pressure in different percutaneous kyphoplasty and percutaneous vertebraloplasty surgical methods — study by finite element analysis  
Chen-Lun CHU, Shing-Sheng WU (TAIWAN)

10:55 Coccyx: the forgotten spine  
S SAKKA (J ORDAN)

11:00 The concept of lamina-pedicle perpendicularity  
Nirmal PATIL, Tarek EL FIKY, Mohammad ESSAM, Keith LUK (INDIA), (EGYPT), (HONG KONG)

11:05 Efficacy of vitamin-D supplementation in patients with chronic low back pain  
Rahman Rasool AKHTAR, Riaz AHMED (PAKISTAN)

11:10 The analysis of risk factors of failed conservative treatment of three consecutive selective nerve block for lumbar spinal pathology  
Seek-Hwan SONG, Jaen-Sung AHN, Sang Bum KIM, Ho-J in LEE, Eugene J PARK (SOUTH KOREA)

11:15 The efficacy of strain counterstrain on outcome measures in treatment of acute mechanical low back pain patients  
Ahmed BAGHDADI, Ghada KOURA, Yadulla SYED, Alaa ABALBA, Noora AL-MUDAHA, (QATAR), (EGYPT)

11:20 Rationale, surgical technique, and short-term follow-up results of a new minimally invasive treatment for thoracic spinal stenosis  
LI XINGCHEN, Zhou HONGGANG, Ma HAIJ UN, Zhao XAOING (CHINA)

11:25 Comparison between transforaminal epidural I (SNRB) vs interlaminar epidural in the treatment of lumbar radicular leg pain in an Indian population  
Azher Hussain SYED, Sadiq MOHAMMED (INDIA)

11:30 Changes in lumbar sagittal alignment following microendoscopic laminoplasty for grade 1 degenerative spondylolisthesis  
Hiromichi MISAWA, Takahiro TSUTSUMI-MOTO, Mutsuki YUI, Hideki KOSAKU, Koji HAYASHI, Tetsuhiko MIMURA (J APAN)
Paediatrics / Trauma | Saturday, 7 December | Meeting Room 8

08:00 - 10:00

**Short Free Paper Session** — Paediatrics

**Moderators:** Khaled EL-ADWAR (EGYPT), Mohamed RASHEED (LIBYA)

08:00 Paediatric proximal femoral osteotomies: planning and execution

Khaled EL-ADWAR (EGYPT)

08:10 Mosaicplasty for open idiopathic osteochondritis dissecans of the femoral head in adolescent

Djamel LOUAHEM M’SABAH (FRANCE)

08:15 Percutaneous low energy osteotomy in treatment of pathological coronal knee deformities in paediatrics

Khaled EMARA, Mahmoud ELSHOBAKY, Ramy DIAB, Shadi MAHMOUD, Ahmed EMARA (EGYPT)

08:20 Complications of the surgical treatment of SCFE, 5-year retrospective study

Sujith VELLATHUSSERY CHAKKALAKUMBIL, Farhan ALI, Ibrar MAJ ID, Mohamed KENAEWEY (UNITED KINGDOM)

08:25 Weber-booster-surgery for tibial hemimelia

Michael WEBER (UNITED ARAB EMIRATES)

08:30 Study on functional outcome of elastic nails fixation in femoral fractures of children and adolescents

Jyothiprasanth MAHESHKUMAR, Edwin AJ IN (INDIA)

08:35 Complex radiological findings in congenital pseudarthrosis of the tibia

Konstantin DYACHKOV, Galina DYACHKOVA (RUSSIA)

08:40 Arthroscopic lavage for the treatment of septic arthritis of the hip in children

Iulian NUSEM (AUSTRALIA)

08:45 Management of clubfoot by differential distraction

Alok Chandra AGRAWAL, Sharath KAUSHIK, Bikram Keshari KAR (INDIA)

08:50 Ponseti methods of treatment for non-idiopathic clubfeet: a retrospective evaluation

Pankaj Kumar SHARMA, Vineet VERMA (INDIA)

08:55 Is the Dennis Brown splint a myth? A randomised controlled trial in clubfoot management using Dennis Brown splint versus daily exercise protocol: a long-term study

Reda Ali SHETA (EGYPT)

09:00 Effects of botulinum toxin type A in treatment of upper limb spasticity in cerebral palsy — short-term functional outcome in 30 upper limbs — a study from India

Suresh CHAND, Alok SUD, Satender YADAV (INDIA)

09:05 Peritalar release in current clubfoot treatment

Martin OSTADAL, J Iri CHOMIÁK, Adam ECKHARDT, Pavel DUNGL (CZECH REPUBLIC)

09:10 Multilevel contracture release has an additive effect to glucocorticoid treatment in Duchenne patients

Anastasla RAKOW, Claudia WEISS, Corinna STOLTENBURG, Susanne LEBEK, Julija FUNK (GERMANY)

09:15 Congenital postero-medial bowing of tibia: differences in lengthening younger vs older children

Milind CHAUDHARY (INDIA)

09:20 Management of paediatric forearm fractures and the associated refracture risk

Rachael FISHER, Yazen QAQISH, Dimitrios MANOUKIAN, Andreas REHM (UNITED KINGDOM)

09:25 The management of displaced paediatric limb fractures in A&EE with high success rate and high patient / family satisfaction

Sherif ELNIKETY, Paul ERDMAN, Solomon KAMAL-UDDIN, Krzysztof DEIERL, Nalayini JEYAVEL (UNITED KINGDOM)

09:30 The utility of leucocyte esterase strip test in the diagnosis of paediatric septic arthritis

Seyed Mohammad J avad MORTAZAVI, Hadi KALANTAR, Taghi BAGHDADI, Sorush BAGHDADI, Alireza MOHARRAMI (IRAN)

09:35 Paediatric upper limb fracture manipulation in the children’s emergency department under 70% Nitrous sedation: a successful treatment that provides cost savings

Jay james WATSON, Paul CAMERON, Darius RAD, Edward LINDISFARNE, Alexander VAUGHAN, Thomas CROMPTON, Subramanyam Naidu MARIPURI (UNITED KINGDOM)

09:40 Probiotic exposure of increased angiogenesis in clubfoot tissue

Adam ECKHARDT, Tomas NOVOTNY, J armila KNITLOVA, Martina DOUBKOVA, Barbora PAVLU, Martin OSTADAL (CZECH REPUBLIC)

09:45 The outcome of selective screening of DDH in Armed Forces Hospital, Oman

Yaqoub AL MUFARGI, Nafaa AL KINDI, Reema AL SHANFARI (OMAN)

09:50 Diagnostics and therapy of traumatic birth fractures

Christina POLAN, Heinz-Lothar MEYER, Manuel BURGRGAF, Daniel SPODECK, Matthias HÖVEL, Marcel DUDDA, Max KAUTHER (GERMANY)

09:55 Comparison of elastic and rigid intramedullary nailing in tibial fractures

Christian LINDISFARNE, Jay James VAUGHAN, Jay James WATSON, Bo GAO (CZECH REPUBLIC)

Free Paper Session — Trauma 5

**Moderators:** James WADDELL (CANADA), Afshin TAHERIAZAM (IRAN)

10:30 Fixation of paediatric supracondylar fractures: does the size of the K-wire predict outcome?

Chinyelu APPIAH (GHANA), EBOHON CARROTHERS, Victoria STOHLNER, Chinyelu MENAKAYA, Liza OSAGIE, Victoria STOHLNER, Adam ECKHARDT, Paul CAMERON (UNITED KINGDOM)

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Christina POLAN, Heinz-Lothar MEYER, Manuel BURGRGAF, Daniel SPODECK, Matthias HÖVEL, Marcel DUDDA, Max KAUTHER (GERMANY)
11:02 Patient reported outcome in adolescent mid-shaft clavicle fracture: a mid-term review
Nasir REHMAN, Matthew GOODBUN, Marcin ZGODA (UNITED KINGDOM)

11:10 A three-year follow-up for physeal injury and forearm function after open reduction and intramedullary fixation by transphyseal pins in children with forearm both bone fractures
Hanon SADONI (IRAN)

11:18 Congenital dislocation of pisiform
Nadeem KHALID (SAUDI ARABIA)

11:26 Functional and radiological outcome following corrective osteotomy in cubitusvarus deformities
Manohar TH MANOHAR, Giriraj GIRIRAJ (INDIA)

11:34 Neglected distal femur epiphyseal fracture-separation management: about 13 cases
Malick DIALLO, Massadiami SOULAMA, Alexander HEMA, Adama SIDIBÉ, Patrick WH DAKOURÉ (BURKINA FASO)

11:42 A case report of paediatric posterior cruciate ligament avulsion fracture and its management
Sandep VELAGADA, Sunil Kumar DOKI, Shakti SWAROOP, Sujit Kumar TRIPATHY (INDIA)

11:50 Descriptive epidemiology of paediatric orthopaedic trauma in southern Nigeria
Joseph ASUQUO, Chukwuemeka ANISI, Innocent ABANG, Omolade LASHEBIKAN, Ehioluokun AIGBOMIAN, Olayinka ADEGBEHINGBE (NIGERIA)

08:05 Evidence-based medicine in surgical management in countries with limited resources
Mohit BHANDARI (CANADA)

08:41 Global alliance for musculoskeletal health
Karsten DREINHOEFER (GERMANY)

08:47 Indian experience for orthopaedic services in rural areas
Rajesh GUPTA (INDIA)

08:53 Stress fractures in metabolic disorders (treatment of osteoporosis even after fragility fracture given only in 20% of cases)
Vijay KHARIWAL (INDIA)

08:59 Bridging the gap
Wilson LI (HONG KONG)

09:05 Role of OASAC in LMICs
Emal WARDAK (AFGHANISTAN)

09:11 Asia Pacific experience
Wilson LI (HONG KONG)

09:17 Latin America experience
Tatiana GUERCSCHMAN (BRAZIL)

09:23 AO experience in LMICs
Ram Kewal SHAH (NEPAL)

09:29 TKS Gold Medal Award
Deven TANEJ A (INDIA)

09:35 My experience in LMICs through AO Alliance
Claude MARTIN (SWITZERLAND)

09:45 Final talk by the WOC President
Deven TANEJ A (INDIA)

10:30 - 12:00

Free Paper Session — Developing World

Moderators: Mohammed AL RAFAI (MORROCO), Sergio FRANCO (BRAZIL)

10:30 Trochanteric fracture management by dynamic hip screw with trochanteric support plate
Amiya BERA, Priyadarshini BERA, Snejuti BERA (INDIA)

10:38 Retractile scars on African black skin: epidemiological, clinical and therapeutic aspects of 52 cases observed in Cameroon
Farikou IBRAHIMA, Marc Leroy GUIFO, Marie-Ange NGO YAMBEN, Gildas NISSO (CAMEROON)

10:46 Prospective study of deep vein thromboses (DVT) prophylaxes in a tertiary hospital in India
Amiya BERA, Priyadarshini BERA, Snejuti BERA (INDIA)

10:54 Complications of the surgical treatment of talipes equinovarus in Africa: about 74 cases observed in Cameroon
Farikou IBRAHIMA, Alexandre MANGA, Kennedy MULUEM, J ean Philippe GOP NKOULOU ABDOULAI (CAMEROON)

11:02 Neglected avascular necrosis of femoral head secondary to quackery
Muhammad TAHIR, Nadeem AHMED, j amal ALI RAKHO, Muhammad MUZZAMMAL (PAKISTAN)

11:10 An innovative model for rural orthopaedic trauma care
Bhaskar PANT, Mandeep PATHAK (NEPAL)

11:18 Can selective nerve root block avoid surgery for lumbar radiculopathy?
Sharif Ahmed J ONAYED, M Shah ALAM, Shubhendu CHAKRABORTY (BANGLADESH)

Developing World | Saturday, 7 December | Meeting Room 9

Partner Society Symposium — WOC: Sharing Experiences in Promoting Orthopaedic Services in LMICs

Moderators: Deven TANEJ A (INDIA), Alaa AHMAD (PALESTINE)

08:00 WOC as the humanitarian arm of SICOT — SICOT President
John DORMANS (UNITED STATES)

08:05 WOC achievements within a year — WOC Secretary
Alaa AHMAD (PALESTINE)

08:10 WOC vision for the future — WOC President
Deven TANEJ A (INDIA)

08:15 Refugees journey of death: a human tragedy
Dalal DARWISH (OMAN)

08:21 The role of Oman and BJ D in global road safety and its positive impact at the UN and the resolutions afforded
Wahid ALKHARUSI (OMAN)

08:29 Innovative education in LMICs
Ashok JOHARI (INDIA)
11:26 A volunteer joint camp and mission trip to a developing nation: a prospective
Rishi THAKRAL, Kshitijs Kumar AGRAWAL (UNITED STATES)

11:34 Patient safety – a global challenge
Muhammad Zahid SAEED1, Muhammad Arif SAEED1, Abid SAEED1, Zoha Arif SAEED2, Sameen Arif SAEED3, Maham Khalid1, Zain AKHTAR4, Muhammad Rumman SIKANDAR3, Muhammad Muaz SIKANDAR3, Arisha Zahid SAEED3, Bushra Zahid SAEED2, Samarr Lal SHAHID1, Alman HILAL1, Omema HILAL1
1(PAKISTAN), 2(UNITED KINGDOM)

11:42 Research and publications in the orthopaedic journals from India are growing
S SASEENDA1, Raju VAISHYA2, Mohit PATRAKESKH1, Abhishek VAISH3, Lalit MAIN1
1(OMAN), 2(INDIA)

11:50 Experience of SIGN Fin nail for treating femoral fractures
Kebba MARENAH, Bintou TRAWALLY (GAMBIA)

10:00 The outcomes of closed fracture shaft humerus in adult patients treated with a functional brace
Mohammad REDWAN (OMAN)

10:01 Comparison of functional outcome in intertrochanteric fracture operated with proximal femoral nail and calcar replacement bipolar hemiarthroplasty in elderly patients
Hitesh MANGUKIYA, Piyush GAVAI, Kaushik KUMAR (INDIA)

10:02 Lower limb malrotation following minimally invasive plating in distal tibia fractures
Marcus LEE (SINGAPORE)

10:03 Treatment of hallux valgus using the Isham Reverdin percutaneous technique: about a personal series of 468 Moroccan cases
All EL KOHEN (MOROCCO)

10:04 Role of conservative treatment of rachitic knee deformities: our experience in 198 knees
J atin PRAKASH (INDIA)

10:05 Effect of extracorporeal shock wave therapy in sickle cell disease related-hip osteonecrosis
Abdulrahman ALGARNI (SAUDI ARABIA)

10:06 Supracondylar periprosthetic femoral fractures outcomes following retrograde intramedullary nailing versus distal femoral plating: a systematic review
Tarek BOUTENNOUCHET, Rosemary WALL, Mateen ARASTU, Bryan RIEMER (UNITED KINGDOM)

10:07 Scarf osteotomy without internal fixation for correction of hallux valgus
Abdel-ouad NIJAB (MOROCCO)

10:08 Ellipse method for measuring Layis’s anteverversion of the acetabular component after total hip arthroplasty
Kuei-Lin YEH, Chen-Kun LIANG, Sheng-Mou HOU (TAIWAN)

10:09 Does femoral nerve block for hip fracture patients reduce postoperative delirium?
Suchyun KWEON, Chang-Hyun SHIN, Byung-Tack KWON, Hyun-Gue YOO (SOUTH KOREA)

10:10 Effect of fascial surgery on spasticity, dyskinesia and functions of upper extremity in cerebral palsy
Deepak SHARAN (INDIA)

10:11 Treatment results with the spino-pelvic fixation for the unstable pelvic fractures
Masaaru HIYOSHI, Etsuo CHOSA (J APAN)

10:12 Direct anterior minimally invasive surgery (DAMIS) for total hip arthroplasty: evaluation of complications in 617 patients, with a 3-year follow-up
Panagiotis LEPETROS1, Christos MULARAS, Dimitrios TZEFRONIS, Christos CHRISTOFORIDIS, Michalis SARANTIS, Anastasios GKTETOS, George MACHFARAS (GREECE)

10:13 Manual labour as a risk factor for clinically relevant base of thumb osteoarthritis
Isam ATROSHE1, J ennifer WOLF1, Aleksandra TURKIEWICZ2, Martin ENGLUND3
1(SWEDEN), 2(UNITED STATES)

10:14 A single stage distal femoral osteotomy with lateral plating for correction of genu valgum – a case series
Thiyagarajan THIAGARAJAN SINGARAM, Giriraj HARSHAVARDHAN, Gopinath MENON (INDIA)

10:15 Total knee prostheses without resurfacing the patella (about 60 cases)
Mohamed Amine EL HALEMI (MOROCCO)

10:16 Congenital femoral deficiency – treatment with reconstruction type superhip
Monica Paschoal NOGUEIRA, Francisco VIOLANTE, Fernando FARCETTA (BRAZIL)

10:17 Incidence of hip heterotrophic ossification in patients treated with open reduction and internal fixation of acetabular fractures
Panagiotis LEPETROS, Nikolaos BAXEVAROS, Nikolaos LIARAKOS, Marianna KORRE, Dimitrios TZEFRONIS, Anastasios GKTETOS, Nikolaos PREVEZAS (GREECE)

10:18 Impact of avascular necrosis in hip reconstruction in cerebral palsy
Monica Paschoal NOGUEIRA, Daniela GOMES, Alexandre ZUCCON, Fernando FARCETTA (BRAZIL)

10:19 CT based morphometric study of scaphoid and its implications for safe passage of screws for fixation
Sarith MITTAL, Arvind KUMAR, Vivek TRIKHA (INDIA)

10:20 Location of atypical femoral fractures can be determined by the mechanical axis of lower limb: CT-based finite element analysis
J i Wan KIM, Donghwan HWANG, Yongkoo LEE, J un-Ki MOON (SOUTH KOREA)

10:21 ‘Scapulo-humeral manoeuvre’ for shoulder dislocations
Sanjay SONANIS, Nitin DESHMUKH, Taha MIR, Sanjay KUMAR (UNITED KINGDOM)
LIVE OPERATION VIDEO: Stem Cell Therapy for Arthritis and Spinal Cord Injury

Moderator: Gowreeson THEVENDRAN (SINGAPORE)

15:30 Advantages of treating humeral shaft fractures with medial plating in a polytrauma setting
Rohit PRASAD VARKEY, Prasad VARKEY, Sunil PUTHOOR PAUL (INDIA)

15:31 Factors affecting length of stay post total hip and knee arthroplasty
Abhinandan KOTIAN, Singh AYUSH, Amav SAHU, Abhijeet KUMAR (UNIVERSITY KINGDOM)

15:32 Is C7 a clinically feasible distal fixation anchor in multilevel posterior cervical fusion surgery? A retrospective radiological follow-up of C7 lateral mass and pedicle screw constructs
Vym SHARMA, Ajoy SHETTY, Shanmuganathan RAJ ASEKARAN, Rishi KANNA (INDIA)

15:33 Musculotendinous junction injuries of the proximal biceps femoris: a prospective study of 64 patients treated surgically
Atif AYUB, Babar KAYANI, Fares HADDAD (UNIVERSITY KINGDOM)

15:34 Surgical management of acute semimembranosus injuries in professional athletes — a prospective study
Atif AYUB, Babar KAYANI, Fares HADDAD (UNIVERSITY KINGDOM)

15:35 Ultrasound guided injection of Morton’s neuroma vs operative removal — is the outcome comparable?
Dakshinamurthy SUNDERAM OORTHY, Mohammad Murtaza KHAN, Ikram SAAD (UNIVERSITY KINGDOM)

15:36 Predictors of needing laminectomy after indirect decompression via initial anterior (ALIF) or lateral (LLIF) lumbar interbody fusion
Daehyun PARK¹, Dean CHOU¹, Hyungseok LEE¹ (SOUTH KOREA), (UNITED STATES)

15:37 Functional outcome and recurrence rate of arthroscopic bankart repair in Omani patients
Sulaiman AL HAMINI, Muhammad AL HUNAINI, Ghassan AL YASSARI, Ahmed AL MANDHARI (OMAN)

15:38 Post-lateraljet alternations in biceps brachii and infraspinatus activity
Marcin DOMZALSKI, Joanna KOWALSKA, Sebastian ZABIEREK, Magdalena FRONCZEK-WOJ CIECHOWSKA, Karolina KOPACZ, Gianluca PADULA (POLAND)

15:39 Robotic trauma and orthopaedic surgery: the recent advances and the systematic reviews of literature
Muhammad Zahid SAEED¹, Sameen Afir SAEED¹, Arisha Zahid SAEED¹, Bushra Zahid SAEED¹, Zoha Afir SAEED¹, Samar Lal SHAHID¹, Zain AKHTAR¹, Maham KHALID¹, Muhammad Rumun SIKANDAR¹, Muhammad Maaz SIKANDAR¹, Afir SAEED¹, Abid SAEED¹, Alman HILAL¹, Omema HILAL¹ (PAKISTAN), (UNIVERSITY KINGDOM)

15:40 Validation of the Swedish Forgotten Joint Score — 12 (F-JS-12), a new patient-reported outcome tool of knee replacements
Siri HEIJ BEL, Margareta HEDSTROM, Axel HEDIN (SWEDEN)

15:41 How degenerative is the tendon in Achilles tendon ruptures?
J Turner VOSSELLER, Henrik BACKER, Tony T WONG (UNITED STATES)

15:42 Fragment-specific fixation versus volar locking plates in non-reducible or redisplaced distal radius fractures: a 6-8 years’ follow-up of a randomised controlled study in 50 patients
Magnus TAGL, Karl BORGSTRAND, Melker LARSSON, Antonio ABRAMO, Mats GEIER, Marcus LANDGREN (SWEDEN)

15:43 Factors associated with loss of walking ability after a hip fracture
Margareta HEDSTROM, Karl LINDQUIST, Ami HOMMEL, Amer AL-ANI (SWEDEN)

15:44 Radiation exposure during antegrade femur nailing
Nasser Mehrab KHAN², Ahmed Mounir ELSAYED², Abdujabbar ALHAMMOUD², Mohammed WAUSEMMUDDIN² (QATAR), (UNITED STATES)

15:45 To develop artificial intelligence to measure the amount of displacement of fractures: we devised a manual method to quantify fracture displacement using 3D CT images
Masayuki ITO, Taku SATO, Yumetaka SHINDEN, Syunsuke SATO, Ryosuke MASHIKO, Yoshiki SUZUKI, Satoshi HATASHITA (J APAN)

15:46 Frailty fractures of the ankle in the frail elderly patient: retrograde hind foot nailing, a promising solution
Qasim AJ M, Tony MCEVOY (UNIVERSITY KINGDOM)

15:47 Role of multimodal intraoperative neurophysiological monitoring during surgery for cervical myelopathy
Qasim AJ M, Manoj KHATRI (UNIVERSITY KINGDOM)

15:48 Ponseti method after walking age — a multi-center study of 429 feet
Tatiana GUERCHSMANN¹, Gabriel FERREIRA¹, Davi De Podesta HAJ E¹, Daniel Augusto MARANHÃO¹, Adolfo Cauahtemoc Rocha GEDE², Alaric ARRO³, Ana Claudia QUEIROZ³, Anisuddin BHATTI⁴, Antonio Luiz Gonçalves BRANDÃO⁴, Edwin Giovanny Valencia LUCERO⁴, Erika Iliana Arana HERNÁNDEZ⁵, Guillermo Oscar Hernández TIERNO⁵, J Ian Carlos OCAMPO⁶, J ung Ho KIM⁶, Leopoldina Milanez Da Silva LEITE⁶, Nariman Abol OYOU⁷, Ranjeet KUMAR⁷, Sandra Juan Sanchez CANTO⁷, Monica Paschoal NOGUEIRA⁷ (BRAZIL), (MEXICO), (INDIA), (PAKISTAN), (ECUADOR), (COLOMBIA), (EGYPT)

15:49 Comparison of reverse total shoulder arthroplasty outcomes: with vs without subscapularis repair
Seungyong SUNG, Whanyong JUNG (SOUTH KOREA)

15:50 Microbiological culture findings of the femoral head as a prognostic factor for infection in primary hip replacement surgery
Raymond MCKENNA, Gavin MCALINDEN (UNIVERSITY KINGDOM)

15:51 Virtual fracture clinic services and patient satisfaction survey at district general hospital in the United Kingdom
Kotban ABHINANDAN, Ayush SINGH, Mukherjee SUNIRMAL, Ramteke UJJ WALTER (INDIA)

15:52 New innovation for foot drop: internal mechanical device prototype
Bassel EL-OSTA, Marwa FAWAL (LEBANON)
10:00 Effect of obesity on functional outcome in primary total knee arthroplasty—an analysis of (214) primary total knee replacements
Ashraf YOUSEF, Ali ALMUAIKI, Ilidar AKHTYAMOV, Sara ZAHER (KWUAI)

10:01 Biplane fractures of the distal femur: a proposed CT based classification and surgical management
Sadiq MOHAMMED, Kulkarni VIKRANT, Chatrashali SHIVARAJ (INDIA)

10:02 Bone wax can lead to foreign body reaction and focal osteolysis
Christiane Sylvia LEIBOLD, Rupert LANGER, Florian SCHMARANZER, Klaus Arno SIEBENROCK (SWITZERLAND)

10:03 Evaluation of results of wedgeless V shaped distal femoral osteotomy for genu valgum in adolescents (13-18 years)
Nishit KAPIL, Rajkumar SHARMA (INDIA)

10:04 Effect of femoral component position relative to tibial implant on clinical outcomes in fixed-bearing unicondylar knee arthroplasty
Tomoyuki KAMENAGA, Koji TAKAYAMA, Kazunari ISHIDA, Shinya HAYASHI, Shingo HASHIMOTO, Yuichi KURODA, Masanori TSUBOSAKA, Yoshinori TAKASHIMA, Tomoyuki MATSUMOTO, Ryosuke KURODA (J APAN)

10:05 Midterm results of cementless total knee arthroplasty
Kan TAKASE, Narumi NODA (J APAN)

10:06 Outcomes of total knee replacements in Asian patients with early osteoarthritis: to operate or not to operate?
Amitpal SINGH, Choon Chiet HONG, Lingaraj KRISHNA (SINGAPORE)

10:07 Qualitative study exploring patient experiences of disability following an open bibia fracture in Malawi
Alexander SCHADE, Eleni KARASOULI, Linda CHOKOTHO, Andrew METCALFE, William JIM HARRISON (UNITED KINGDOM), (MALAWI)

10:08 TEMOZOLAMIDE arrests a doxorubicin-resistant follicular dendritic cell sarcoma patient-derived orthotopic xenograft (PDOX) mouse model
Hiromichi OSHIRO3, Tazuku KYUNA3, Hiroki MAEHARA3, Robert HOFFMAN2, Yasunori TOME (J APAN), (UNITED STATES)

10:09 Comparison of long versus short nail for unstable pertrochanteric fracture to prevent excessive neck shortening: a retrospective study
Takahiro INUI, Yoshiaki KURATA, Keisuke ISHII, Takashi SUZUKI, Taketo KUROZUMI, Yosinobu WATANABE, Hirotaka KAWANO (J APAN)

10:10 Acute vascular injuries in 404 Gartland type III supracondylar fractures of the humerus in children: urgency management and therapeutic consensus
Djamel LOUAHEM M’SABAH (FRANCE)

10:11 Hand dominance, clavicle length and shortening in fractures: when deciding to operate, first do no harm
Amitpal SINGH, Zubin J DARUWALLA, Diarmuid Paul MURPHY (SINGAPORE)

10:12 Congenital osseus abnormalities of the cervical spine: occurrence, morphological characteristics, embryological basis and their clinical significance—a computerised tomography based study
Ankith NV, Ajay PRASAD SHETTY, Rishi MUGESH KANNA, Shanmuganathan RAJ ASEKARAN (INDIA)

10:13 Surgical outcomes of elderly patients aged more than 80 years with distal radius fracture: comparison of external fixation and locking plate
Yuyi HUANG, Tung-YI LIN (TAINW)

10:14 Arthroscopic excision arthroplasty of the sternoclavicular joint for osteoarthritis: a case-series of 50 patients with a minimum 2-year follow-up
Rumina BEGUM, James GILL, Nawfal AL-HADITHY, Graham TITHERLEIGH-STRONG (UNITED KINGDOM)

10:15 Melting temperature mapping method for rapid identification of unknown pathogenic microorganisms for periprosthetic hip joint infection
Katsufumi UCHIYAMA, Hideki NIIMI, Keizou SAKURAI, Shinsuke IKEDA, Kensuke FUKUSHIMA, Mitsutoshi MORIYA, Naonobu TAKAHIRA, Isao KITAJIMA, Masashi TAKASO (J APAN)

10:16 Retropective comparison between surgical outcome of internal fixation for femoral shaft fractures—expandable nails vs. interlocking nails
Nareesh PANIGRAHI, Satya Ranjan PATRA, Manoj MADINI, Dibya Singha DAS, Indranil DEY, Udit UPADHYAYA, Hemanta Kumar BANERJEE, Siddhartha Shankar MOHANTY (INDIA)

10:17 Comparison of MRI measured femoral intercondylar notch width ratio and alpha angle in patients with and without ACL (anterior cruciate ligament injury)
Santosh J EEVANNAVAR, Keshav SHENOY, Prasanna BAINDOOR (INDIA)


10:19 The new ulnar window triceps sparing approach for extraarticular distal humeral fractures
Srecko SABALIC, Tomislav CENGCIC, Dejan BLAZEVIC, Stjepan CURIC, Lea KALAJ ZIC, Slaven BABIC (CROATIA)

10:20 The effect of NSAIDs on post-fracture bone healing: a meta-analysis of randomized controlled trials
Humaid AL FARIS, Leila FARAHDEL, Ali SALIMI, Bernstein MITCHELL (CANADA)

10:21 Risk factors for mechanical failure following fixation of proximal femoral fractures with the PFNA II—are they different in Asian patients?
Wei ZHANG, Joshua DECRUZ, Derek Howard PARK, Antony Xavier REX PREMCHAND (SINGAPORE)

10:22 Study of 500 cases of radiological visible pathology of sacroiliac region
Vijay Kumar KHAIRWAL, Sadhna GARG (INDIA)

15:30 - 16:00

Just-A-Minute Paper Session 4

Moderator: Zachary POST (UNITED STATES)

15:30 Vascularised fibular graft: results and indications
Reda HARRAR, Abdelhalim OULD ROUIS, Kamel ACHOUR, Mourad OUBIRA, Chafiza GRARADJ, Mourad HAMIDANI (ALGERIA)

15:31 A prospective cohort study assessing the surgical team’s learning curve with robotic total knee arthroplasty in a high-volume arthroplasty centre
Atif AYUB, Babar KAYANI, Sujith KONAN, Huq SUMON, J enni TAHMASSEBI, Haddad FARES (UNITED KINGDOM)

15:32 Influence of the local correction on the sagittal balance obtained by mechanical kyphoplasty: preliminary results of a multicentric retrospective study, the ‘Aurora Project’
Andrea PANTALONE, Elda ANDREOLI, Pedro BERJANO, Vincenzo SALINI, Daniele VANNI (ITALY)

15:33 A surgical algorithm for the management of recalcitrant distal femur nonunions based on distal femoral bone stock, fracture alignment, medial void and stability of fixation
Bhaskar Kanakeshwar RAJ A, Dheenadhayalan J AYARAMA R U, Shanmuganathan RAJ ASEKARAN (INDIA)

15:34 FHL transfer in treatment of neglected Achilles tendon rupture
Radek HART (CZECH REPUBLIC)
A polyurethane partial meniscal implant for chronic painful partial meniscectomy: a 5-year follow-up evaluation
René VERDONK, Aad DHOLLANDER, Peter VERDONK (BELGIUM)

Management of acute high grade acromioclavicular joint dislocations by arthroscopic dog bone button and fibretape — preliminary results
Sandesh MADI SURAL, Vivek PANDEY, Kiran ACHARYA (INDIA)

Arthroscopic fixation of tibial eminence fractures using suture bridge technique: a case series
Prabhakar VENKATARAMANA, Mohan Kumar J., Mahesh MN, Vijay M (INDIA)

Early clinical results of modified triple-row arthroscopic rotator cuff repair
Hideaki ASAI, Takashi YAMAZAKI, Nobuhiro HARA, Sakae TANAKA (JAPAN)

Identifying the risky drilling holes in clavicular fixation with a 3.5 mm LCP reconstruction plate by measuring the distances from screw tips and plate to the neurovascular structure using superior and anteroinferior plates: a cadaveric study
Chaiwat CHUAYCHOOSAKOON, Porames SUWANNO, Sittipong SUWANAPISIT, Prapakorn KLABKLAY, Wachirapan PARINYAKUP, Korakot MALIWANKUL, Yada DUANGNUMSAWANG, Tanarat BOONRIONG, Boonsin TANGTRAKULWANICH (THAILAND)

New technique of ulnar nerve stabilisation during anterior transposition for cubital tunnel syndrome
Takakazu HIRAYAMA, Masaaki SHINDO (JAPAN)

Biomechanical analysis of rotator cuff with 3D modeling
Hanbo WANG, Jinwu WANG, Yuanjing XU, Han YANG, Keming WAN (CHINA)

A novel method of tendo-Achilles repair
Mohamed RASHED, Zakaryia ISHWIA, Turkia EL-ROUK (LIBYA)

Does the presence of a partial rotator cuff tear affect functional outcome after capsular release in patients with a frozen shoulder?
Winston Shang Rong LIM, Amit Kanta MITRA, Paul Chee Cheng CHANG (SINGAPORE)

Minimal invasive plate osteosynthesis of humeral shaft fractures
Mustafa MESRIGA, Mahmoud HADHOUD (EGYPT)