Scientific Programme

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

07:50 - 08:50
Basic Science

08:50 - 09:45
Special Considerations

09:55 - 11:20
Fractures around the Upper Limb

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

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

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- **Instructional Course** – Knee Arthroscopy Cadaver Lab
- **Instructional Course** – Dry Hip Arthroscopy Lab
- **Young Surgeons Committee Symposium** – Training the Next Generation
- **Young Surgeons Committee Symposium** – Difficult Case Discussions in THAs

**10:30 - 12:00**
- **Short Free Paper Session** – Hip
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- **Young Surgeons Committee Symposium** – Virtual Workshop: Literature Searching Techniques and Databases

**16:00 - 17:30**
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- **Young Surgeons Committee Symposium** – Endoscopic Discectomy
- **SICOT Instructional Symposium** – Fractures around Knee Arthroplasty
- **SICOT Instructional Symposium** – Computer-Assisted Orthopaedic Surgery
- **Free Paper Session** – Spine
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- **Young Surgeons Committee Symposium** – Virtual Workshop: Literature Searching Techniques and Databases
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- **SICOT Instructional Symposium** – Spinal Cord Injury and Rehabilitation
- **SICOT Instructional Symposium** – Endoscopic Discectomy

**19:00 - 21:00**
- **SICOT Instructional Symposium** – Fractures around Knee Arthroplasty
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- **Instructional Course** – Dry Hip Arthroscopy Lab
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- **Knee Shoulder Cadaver Lab** | Thursday, 5 December | Sultan Qaboos University Hospital
- **Instructional Course** – Knee Arthroscopy Cadaver Lab
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### Partner Society Symposia

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### JAM (Just a Minute) Papers

### Plenary Lecture

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### Videos & Debates
9th SICOT Educational Day | Wednesday, 4 December | Grand Ballroom Hall A1

**07:50 - 08:50**

**Basic Science**

**Moderator:** Arindam BANERJEE (INDIA)

- 07:50 Introduction and welcome
  - Fatih KUCUKDURMAZ (TURKEY)
- 08:00 YSC and its activities
  - Mohamed SUKEIK (UNITED KINGDOM)
- 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)

**08:50 - 09:45**

**Special Considerations**

**Moderator:** To be announced

- 08:50 Wound care
  - Khaled EMARA (EGYPT)
- 09:00 Open fractures
  - Shanmuganathan RAJASEKARAN (INDIA)
- 09:10 Pathologic fractures
  - Bulent EROL (TURKEY)
- 09:20 Fragility fractures
  - Marc HANSCHEN (GERMANY)
- 09:30 Interactive case discussion
  - Bulent EROL (TURKEY)

**09:55 - 11:20**

**Fractures around the Upper Limb**

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

- 09:55 Fracture clavicle and acromioclavicular joint injury: controversies in management
  - Graham TYTHERLEIGH-STRONG (UNITED KINGDOM)
- 10:05 Proximal humeral fracture I: when to fix and how to fix
  - W Jaap WILLEMS (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 JEON (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)

**11:30 - 12:25**

**Fractures around the Lower Limb (I)**

**Moderator:** Hitesh GOPALAN (INDIA)

- 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
  - Hitesh GOPALAN (INDIA)
- 12:10 Interactive case discussion
  - Hitesh GOPALAN (INDIA)

**13:30 - 14:25**

**Fractures around the Lower Limb (II)**

**Moderator:** Hitesh GOPALAN (INDIA)

- 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)
14:40 - 16:30

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** (UNITED KINGDOM)

16:05 Polytrauma patients
- **Peter BIBERTHALER** (GERMANY)

16:15 Interactive case discussion
- **Mohamed SUKEIK** (UNITED KINGDOM)

16:45 - 18:00

Complications

**Moderator:** Fatih KUCUKDURMAZ (TURKEY)

16:45 Infection management
- **Oliver MARIN-PENA** (SPAIN)

16:55 Compartment syndromes
- **Changir 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

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**31st Course on Polytrauma Management**

**Wednesday, 4 December | Grand Ballroom Hall A3**

**08:00 - 10:00**

General Considerations

**Moderator:** Roman PFEIFER (SWITZERLAND)

08:00 Registration
- **Hans-Christoph PAPE** (SWITZERLAND)

08:15 Introduction
- **Hans-Christoph PAPE** (SWITZERLAND)

08:30 Practical exercise: definition of polytrauma
- **Roman PFEIFER** (SWITZERLAND)

09:00 Road safety: European approaches, success and problems
- **Marcos MUSAIFIR** (BRAZIL)

09:15 Road traffic accidents: challenges across Africa
- **Thami BENZAKOUR** (MOROCCO)

09:30 Epidemiology and pattern of mortality
- **Roman PFEIFER** (SWITZERLAND)

09:45 Early diagnostic procedures (CT versus x-ray)
- **Zsolt BALOGH** (AUSTRALIA)

**10:30 - 12:00**

Special Problems

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

10:30 Strategies and treatment of brain injuries
- **Stephan FRENZEL** (AUSTRIA)

10:45 Abdominal and thoracic injuries: indications for surgery
- **Gerhard ACHATZ** (GERMANY)

11:00 Management of SIRS and MODS after trauma
- **Michel TEUBEN** (SWITZERLAND)

11:15 Clearing trauma patients for surgery: which parameters are the best?
- **Roman PFEIFER** (SWITZERLAND)

11:30 Case session I
- **Hans-Christoph PAPE** (SWITZERLAND)
13:30 - 15:30
Priority of Care of Multiply Injured Patients

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

13:30 Damage control surgery
Gershon VOLPIN

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

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

14:15 Stabilisation 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

Moderator: 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

Moderator: 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
Gerrollt JUKEMA (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)
Instructional Course – Knee Arthroscopy Cadaver Lab

Moderators: Tim DEAKON (CANADA), Sultan AL-MASKARI (OMAN), Fernando ROSA (BRAZIL)
Instructors: Fernando ROSA (BRAZIL), Luis JORDAO (BRAZIL), Mario NAMBA (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)

Instructional Course – Shoulder Arthroscopy Cadaver Lab

Moderators: Leonardo DAU (BRAZIL), Ayman AL-AMRY (OMAN)
Instructors: Lee VAN RENSBURG (UNITED KINGDOM), Mohamed SOBHY (EGYPT)

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)
08:00 - 10:00

**Free Paper Session – Trauma 1**

**Moderators:** Essam ELSHERIF (EGYPT), Munther ANABTAWI (PALESTINE)

**08:00** Keynote lecture: WHO campaign on healthy aging  
*Karsten DREINHOEFER (GERMANY)*

**08:15** Polytrauma - are binders being utilised appropriately?  
*Christopher O’DOWD-BOOTH, Thomas GEYTON, Jay WATSON, Christopher THORNHILL, Enis GURYEL, David CRONE, Jay WATSON (UNITED KINGDOM)*

**08:23** Biomechanical evaluation of osseous fixation pathways in an associated both column acetabulum fracture  
*Samuel HAILU¹, Richard JENKINSON², Markku NOUSIAINEN², David STEPHEN², Hans KREDER², Stewart MCLACHLIN², Carin Whyne²  
¹(ETHIOPIA), ²(CANADA)*

**08:31** Management of unstable pelvic ring fractures – is posterior fixation the solution? An analysis of 73 cases  
*Kumar R J BHARAT, Raju SIVAKUMAR, Kumar V N SUDEEP (INDIA)*

**08:39** Does timing of surgery affect perioperative factors and short-term outcomes after surgical treatment of acetabular fractures?  
*Kareem SHAATH, Phillip LIM, Reid ANDREWS, Elizabeth GAUSDEN, Philip MITCHELL, Milton “Chip” ROUTT (UNITED STATES)*

**08:47** MRI evaluation of the posterior pelvic bony and soft-tissue injuries with Tile’s C displaced pelvic fractures in young children  
*Mohamed KENAWY (UNITED KINGDOM)*

**08:55** Functional outcome of acute primary total hip replacement after complex acetabular fractures  
*Faizan IQBAL (PAKISTAN)*

**09:03** Reliability of radiographic Matta grading in the assessment of quality of reduction after surgical fixation of acetabular fracture  
*Aiman MUDAWI, Shady MAHMOUD, Ghalib AHMED, Abduljabbar ALHAMMOUD, Motasem SALAMEH, Maamoun SAMHADANEH (QATAR)*

**09:11** Pararectus versus ilioinguinal approach in acetabular surgery: a radiological and clinical outcome analysis  
*Christian VON RÜDEN¹, Lisa WENZEL¹, Johannes BECKER¹, Andreas BRAND¹, Andreas THANHHEIMER¹, Peter AUGAT², Marlo PERL³  
¹(GERMANY), ²(AUSTRIA)*

**09:19** Clinical results of fixation with trans-iliac rod and screw fixation (TIRF) for posterior pelvic ring fractures  
*Yukihisa YAGATA, Yasuo ITO, Tsuyoshi KIKUCHI, Kazukiyo TODA, Kie NAKAGO (JAPAN)*

**09:27** Lumbo-pelvic fixation in unstable sacral fractures, is it a necessity or a changing trend? A clinico-radiological analysis of 67 cases  
*Rajesh KARUKAYIL, Ajoy SHETTY (INDIA)*

09:35 Polytrauma - generalist or expert?  
*Ilir HASANI (MACEDONIA)*

10:30 - 12:00

**SICOT Instructional Symposium — Surgical Strategies in the Multiply Injured Patient**

**Moderators:** Gershon VOLPIN, Hans-Christoph PAPE (SWITZERLAND)

10:30 Shock room requirements – the Vienna experience  
*Stephan FRENZEL (AUSTRIA)*

10:50 Debate: Why I perform ETC  
*James WADDELL (CANADA)*

11:00 Debate: Why I perform DCO  
*Gershon VOLPIN*

11:10 Polytrauma assessment: which parameters in 2019?  
*Hans-Christoph PAPE (SWITZERLAND)*

11:20 Results from a consensus meeting  
*Roman PFEIFER (SWITZERLAND)*

11:35 Polytrauma - generalist or expert?  
*Ilir HASANI (MACEDONIA)*

12:00 - 13:05

**Plenary Session 1**

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

12:05 To be announced  
*Lewis ZIRKLE (UNITED STATES)*

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

14:00 - 15:30

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

**Moderators:** Peter GIANNOUDIS (UNITED KINGDOM), Zsolt BALOGH (AUSTRALIA)

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
Zsolt BALOGH (AUSTRALIA)

15:00 Fracture healing options: role of autologous osteogenic cells
Nirnrog ROZEN

15:10 Case based lecture and podium discussion
Darish SAVADKOHI (IRAN)

Hip | Thursday, 5 December | Grand Ballroom 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 ORQZCO, David LE, Danielle PONZIO, 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
Abhinandar KOTIAN¹, Abhijeet KUMAR²
¹(UNITED KINGDOM), ²(INDIA)

08:39 Total hip arthroplasty after failure of acetabular fractures fixation
Jatinder Singh LUTHRA, Suwailum AL GHANNAMI (OMAN)

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

08:55 Dual mobility cups for recurrent THA dislocation
Afshan 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 SAMAH¹, Kaisar YAMMINE³
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
Jens 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 GILREA, Bernd KUBISTA, Reinhard WINDHAGER (AUSTRIA)

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

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 JONES (UNITED KINGDOM)

09:43 Interprosthetic femoral sleeves in revision arthroplasty
Hussein 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 CNUDDE, Erik BÜLOW, Szilárd NEMES, Yosef TYSON, Maziar MOHADDES, Ola ROLFSON (SWEDEN)

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

Moderators: Vikas KHANJUJA (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
James POWELL (CANADA)

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

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

11:40 Video: Handling the pincer lesion
Vikas KHANJUJA (UNITED KINGDOM)

11:50 Discussion

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

Moderator: Javad PARVIZI (UNITED STATES)

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

14:08 HSS experience in reimplantation of THR
Eduardo SALVATI (UNITED STATES)

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

14:24 Treatment of acute PJI
David BLAHA (UNITED STATES)

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
Abdeljaouad NAJIB (MOROCCO)

16:08 Neck of femur fractures: is our consent adequate?
Robert WHITTAM, Hammad PARWAIZ, Alexander TAYLOR, Harold AKEHURST, Matthew FLINTOFT-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 AFPU score
Yangguan WU, David JOSEPH, Vinay SIDDAPPA, Rohit HASIJA, Vinayak PERAKE, Richard GILLANI (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 ASSI¹, Jacques CATON², Camille SAMAHÁ¹, Elie NAJJAR¹, Kaissar YAMMINE¹
¹(LEBANON), ²(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, Ekhit 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 GAVINJIT, Sajawal PERWAIZ, Jones 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, Nitish 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 KOTIAN¹, Abhijeet KUMAR², Asif IQBAL¹, Benjamin COUPE¹
¹(UNITED KINGDOM), ²(ININDIA)

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)

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

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

08:00 Welcome to International Congress on Hip Dysplasia

08:15 Discussion

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

08:30 Discussion

08:33 Biomechanics of abduction contracture and its implications to DDH
Victor HUYAHAWE, Charles PRICE (UNITED STATES)

08:38 Discussion

08:41 International interdisciplinary consensus meeting on evaluation of developmental dysplasia of the hip
Sattar ALSHRYDA¹, Joe OBEIRNE², Konstantinos CHLAPOUTAKIS³
¹(UNITED ARAB EMIRATES), ²(IRIELAND), ³(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
Maryam ASHOOR¹, Alshryda SATTAR², Nada ABDULLA²
¹(BAHRAIN), ²(UNITED ARAB EMIRATES)

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 Saeed KHABIRI, 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 femoroacetabular impingement (FAI); a study using the UK Non Arthroplasty Hip Registry (NAHR) dataset
Ajay MALVIYA, Richard HOLLEYMAN, Mark SOHATEE, Johan WITT, Marcus BANKES, Vikas KHANDUJA (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 redirectional 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

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
Tony ANDRADE (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), Hassan NOUH (LIBYA)

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
Sravya 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 DITRO (UNITED STATES)

16:32 Neonatal birth fractures: a tertiary maternity hospital experience
Rachael FISHER, Prakash PROMOD, Amanda OGILVY-STUART, Stuart WILLIS, 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, G JAYASINGHE, Thomas CRMPTON, 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 SYLVA LEIBOLD¹, Simon DAMIAN STEPPACHER¹, Patrick WHITLOCK², Florian SCHMARANZER³, Moritz 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, Heakuyng Kim, David ROYE (UNITED STATES)

17:12 Application of antifibrotic substances on pes equinovarus derived cells
Jarmila KNITLOVA, Martina DOUBKOVÁ, Martin OSTADAL, Adam ECKHARDT, Tomas NOVOTNY, Jana MUSIKOVA (CZECH REPUBLIC)
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<td>08:00-10:00</td>
<td>Free Paper Session — Sports Medicine 1</td>
<td>Gabino GOMEZ MONT (MEXICO), Fabio SCIARETTA (ITALY)</td>
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|            |                                                 |                                      | **Keynote lecture:** Ideal cocktail: merging academic and clinical orthopaedic practice
|            |                                                 |                                      | **Edward MAH (AUSTRALIA)**                                                   |
| 08:00-10:00|                                                 |                                      | **Role of tibial plateau slope in anterior cruciate ligament injuries: a study in an Indian population**
|            |                                                 |                                      | **Saikat JENA (INDIA)**                                                      |
| 08:00-10:00|                                                 |                                      | **Is DVT prophylaxis indicated after ACL reconstruction surgery?**
|            |                                                 |                                      | **Amirmohammad NAVALI, Ali NAGHILOO, Leila AZHAR SHEKOUEF BAHARI (IRAN)**     |
| 08:00-10:00|                                                 |                                      | **Probability of anterior cruciate ligament tear in the contralateral knee and in siblings**
|            |                                                 |                                      | **Mohsen MARDANI-KIVI (IRAN)**                                                |
| 08:00-10:00|                                                 |                                      | **Is saphenous nerve at risk following hamstring graft harvest in arthroscopic ACL reconstruction surgery?**
|            |                                                 |                                      | **Suwallim AL GHANAMI, Ismail AL HABSI, Arafat ALFIKEY (OMAN)**               |
| 08:00-10:00|                                                 |                                      | **Our experience with extra-articular augmentation of ACL reconstruction**
|            |                                                 |                                      | **Begad ABDEL RAZEK, Ahmed ABDEL-AZIZ, Ahmed MAHMoud GAD, Ahmed SAMIR ELKALYOBY, Mahmoud ABBAS TOLBA (EGYPT)** |
| 08:00-10:00|                                                 |                                      | **The ACL and anterolateral ligament (ALL) reconstruction — rotational stability after two years**
|            |                                                 |                                      | **Radek HART, Martin KOMZAK (CZECH REPUBLIC)**                                |
| 08:00-10:00|                                                 |                                      | **Comparison of functional outcome of transtibial endoscopic anterior cruciate ligament reconstruction by bone-patellar tendon-bone graft with and without augmentation**
|            |                                                 |                                      | **Sakeb NAJMUS (BANGLADESH)**                                                 |
| 08:00-10:00|                                                 |                                      | **Femoral head-neck offset and the hip range of motion in patients with ACL injury**
|            |                                                 |                                      | **Abolfazl BAGHERIFARD, Mahmud JABALAMELI, Hooman YAHYZADEH, Azadeh SHAHIESABET, Kaveh GHARANIZADEH, Hosseinali HADI, Ali JAHANSOUZ, Parhan KHANLARI (IRAN)** |
| 08:00-10:00|                                                 |                                      | **Arthroscopic ACL reconstruction through trans-tibial tunnel using bone–patellar tendon–bone graft**
|            |                                                 |                                      | **Sanjay KESHKAR, Nirmal DEY (INDIA)**                                         |
| 08:00-10:00|                                                 |                                      | **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)**                          |
| 08:00-10:00|                                                 |                                      | **Clinical and functional outcomes for all inside tightroper versus PLLA-HA interference screw fixation in arthroscopic ACLR**
|            |                                                 |                                      | **Nishit PALO, Sidharth CHANDEL, Bhaskar BORGOHAIN, Manoj PATEL (INDIA)**      |
| 08:00-10:00|                                                 |                                      | **Comparison of functional outcome between “transportal” and “outside in” technique in arthroscopic anterior cruciate ligament reconstruction**
|            |                                                 |                                      | **Abhishek SAXENA, Rajat JANJIR (INDIA)**                                     |
| 08:00-10:00|                                                 |                                      | **ACL reconstruction, when is best to intervene**
|            |                                                 |                                      | **Andrew STEPHENS (AUSTRALIA)**                                               |
| 10:30-12:00| Partner Society Symposium — ICRS: Joint Preservation - Return to the Future | Fabio SCIARETTA (ITALY), Steven ABELOW (UNITED STATES) |
| 10:30-12:00|                                                 |                                      | **Meniscus and cartilage repair**
|            |                                                 |                                      | **Rene VERDONK (BELGIUM)**                                                     |
| 10:30-12:00|                                                 |                                      | **ACL and cartilage repair**
|            |                                                 |                                      | **Steven ABELOW (UNITED STATES)**                                              |
| 10:30-12:00|                                                 |                                      | **Patellar instability and cartilage repair**
|            |                                                 |                                      | **Sethu RAMANATHAN (OMAN)**                                                    |
| 10:30-12:00|                                                 |                                      | **Osteotomy and cartilage repair: new mini-invasive possibilities**
|            |                                                 |                                      | **Gamal HOSNY (EGYPT)**                                                       |
| 11:00-12:00|                                                 |                                      | **Bone marrow in cartilage orthobiology**
|            |                                                 |                                      | **Fabio SCIARETTA (ITALY)**                                                    |
| 11:00-12:00|                                                 |                                      | **Chondrocytes in cartilage orthobiology**
|            |                                                 |                                      | **Stefan MARLOVITS (AUSTRIA)**                                                  |
| 11:00-12:00|                                                 |                                      | **Adipose tissue in cartilage orthobiology**
|            |                                                 |                                      | **Fabio SCIARETTA (ITALY)**                                                    |
| 11:26-12:00|                                                 |                                      | **Role of arthroscopy**
|            |                                                 |                                      | **John LANE (UNITED STATES)**                                                   |
| 11:34-12:00|                                                 |                                      | **Athletes and orthobiologics**
|            |                                                 |                                      | **Emanuel PAPACOSTAS (GREECE)**                                                 |
| 11:42-12:00|                                                 |                                      | **Religious sentiments in cartilage orthobiology**
|            |                                                 |                                      | **Divyanshu GOYAL (INDIA)**                                                     |
| 14:00-15:30| SICOT Instructional Symposium — Current Concepts in the Management of Meniscal Tears | Peter YAU (HONG KONG), Sachin TAPASVI (INDIA) |
| 14:00-15:30|                                                 |                                      | **Strategy of treatment of meniscal tear: resect, repair, reconstruct or replace?**
|            |                                                 |                                      | **Rene VERDONK (BELGIUM)**                                                     |
| 14:00-15:30|                                                 |                                      | **How I handle bucket handle tear: tips and tricks**
|            |                                                 |                                      | **James LOH (SINGAPORE)**                                                      |
| 14:00-15:30|                                                 |                                      | **‘Ramp lesion’ - diagnosis and treatment**
|            |                                                 |                                      | **Peter YAU (HONG KONG)**                                                     |
| 14:30-15:30|                                                 |                                      | **‘Root tear’ - biomechanics, classification and surgery**
|            |                                                 |                                      | **Sachin TAPASVI (INDIA)**                                                     |
| 14:40-15:30|                                                 |                                      | **Discoid meniscus with tear: update in management**
|            |                                                 |                                      | **Anant MAHAPATRA (IRELAND)**                                                   |
| 14:50-15:30|                                                 |                                      | **Meniscal repair fails to heal: causes and treatment**
|            |                                                 |                                      | **Julio FERNANDES (CANADA)**                                                    |
| 15:00-15:30|                                                 |                                      | **Salvaging irreparable tear: meniscal transplant**
|            |                                                 |                                      | **Rene VERDONK (BELGIUM)**                                                     |
| 15:10-15:30|                                                 |                                      | **Round table case discussion**                                                |
Hand I Thursday, 5 December | Grand Ballroom C1

Free Paper Session —Hand 1

Moderators: Peter KILONZO (KENYA), Ramzi MOUCHARRAFIEH (LEBANON)

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
   Naruhito KODAMA, Kosei ANDO, Kojiro MOTOHARA (JAPAN)

08:39 Clinical results of percutaneous release of trigger fingers using an 18-gauge needle
   Mohamed KASSEM¹, Ahmad ALSHAYE², Sherif GHONEIM1 (EGYPT), ¹(UNITED ARAB EMIRATES)

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 NEGRIN, Paul HOPPE, Ewald UNGER, Thomas KOCH, Lena HIRTLE, Jochen ERHART, Patrick PLATZER, Stefan HAJDU (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 DHAUB (UNITED KINGDOM)

09:27 Comparison of local steroid injection and surgical decompression in treatment of carpal tunnel syndrome
   Rahman Rasool AKHTR, Umer SHAH (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 electrophysiological 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
   Divya SINGH (UNITED STATES)

Free Paper Session —Sports Medicine 2

Moderators: Turab SYED (UNITED KINGDOM), Marc TOMPKINS (UNITED STATES)

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 40 years: a case series
   Rodica MARINESCU, Iozeftina BOTEZATU, Andrei BUNEIA, Dan LAPIOIU (ROMANIA)

16:16 A lateral extra-greffering 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 sertantionosus and gracillis tendons for anterior cruciate ligament reconstruction: retrospective cohort study
   Mohammad HAMMAD, Abdullah ABDULLAH, Nidal ALKHATIB, Kong Wai Jing GERALDINE, Faris ABUSHAABAN (QATAR)

16:40 Timing of ACL surgery in acutely injured patients has prognosis implications: a prospective study on elite players
   Sourabh KHATRI, Ravi GUPTA, Anil KAPOOR, Aditya SINGHAL (INDIA)

16:48 Relation of tibial posterior slope to tibial tunnel widening after primary ACL reconstruction in Indian population
   Saikat JENA (INDIA)

16:56 Arthroscopic primary ACL suture in physically active patients
   Andrzej BOROWSKI, Marcin SYNDER, Michal SKRZYPEK, Kajetan PSTRAGOWSKI, Lukasz KULIGOWSKI, Munaf A. HATIM, Marek DROBNIEWSKI (POLAND)

17:04 Does hamstring tendon graft diameter affect the outcome of anterior cruciate ligament surgery?
   Akash Singh, Akash SINGHAL, Ravi Gupta RAVIDGUPTA, Anil KAPOOR, Anil KAPPOOR (INDIA)

17:12 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 LANDREAU¹, Antoine CATTEEUW², Fawaz HAMIE¹, Adnan SATIHNA², Bertrand SONNERY-COTTET², Robert SMIGIELSKI³, ¹(UNITED ARAB EMIRATES), ²(BELGIUM), ³(UNITED STATES)

17:20 Establishing the first registry on posterior cruciate ligament in our region: the Tehran Posterior Cruciate Ligament Registry (TPCLR) study design and primary results
   Saman GHAFFARI, Mohammad RAZI, Haleh DADGOSTAR, Ali Reza ASKARI, Mojtaba FARJAM, Peyman ARASTEH (IRAN)

17:28 A double blind randomized comparative study of two autografts in arthroscopic ACL reconstruction
   Vidyasagar JVS (INDIA)

17:36 Comparison of local steroid injection and surgical decompression in treatment of symptomatic electrophysiological carpal tunnel syndrome
   Mohandoss ABDULLAH, Mohamed SHERIF, Ahmed SALAH, Amr OMAR (EGYPT)

17:44 Comparative study of double IV cannula and single needle technique of aspiration and methylprednisolone injection in the treatment of wrist ganglion
   Divya SINGH (UNITED STATES)

17:52 Arthroplasty using osteochondral grafts from the knee for post-traumatic or degenerative hand joint disorders
   Akram RIHAB, Kosei ANDO, Kojiro MOTOHARA (JAPAN)

18:00 Results of single stage free tendon graft in neglected flexor tendon injury zone II in adults using FDS tendon of the injured digit
   Ahmed MAHMUD, Tarek EL-GAMMAL, Amr EL-SAYED, Mohamed KOTB, ¹(OMAN), ²(EGYPT)
10:30 - 12:00

**SICOT Instructional Symposium — Peripheral Nerve Injuries (in partnership with the Oman Society for Surgery of the Hand and the Pan Arab Federations of Surgery of the Hand)**

**Moderator: Frederic SCHUIND (BELGIUM), Abdullah AL-HARTHY (OMAN)**

10:30 Management of total brachial plexus injury
Margaret FOK (HONG KONG)

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

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

11:15 Bone shortening to allow direct nerve suture
Fabien MOUNGONDO, Jérôme VALCARENGHI, Aurélie ANDRZEJEWSKI, Frederic SCHUIND (BELGIUM)

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

11:45 Discussion

14:00 - 15:30

**SICOT Instructional Symposium — Trauma (in partnership with the Oman Society for Surgery of the Hand and the Pan Arab Federations of Surgery of the Hand)**

**Moderator: Frederic SCHUIND (BELGIUM)**

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

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

14:18 Treatment strategies in mutilated hand
İsmail BULENT OZCELIK (TURKEY)

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

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

14:45 Carpal instability: diagnosis, treatment and the future
Zufri RAHIMTOOLAZ (UNITED KINGDOM)

14:54 Arthroscopic dorsal ligamentocapsulodesis for combined scapholunate and lunotriquetral interosseous ligamentous injury (floating lunatum)
İsmail BULENT OZCELIK (TURKEY)

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

15:12 Which graft for scaphoid pseudo-arthrosis: pedicled or free?
Taşkin OZALP (TURKEY)

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

16:00 - 17:30

**Free Paper Session — Hand 2**

**Moderators: Frederic SCHUIND (BELGIUM), Roshanak MORADI (IRAN)**

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 Capitate shortening in Kienböck’s disease in 10 cases: clinical and radiological results more than five years of follow-up
Kamel ACHOUR, Abdellahim OULD ROUIS, 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 perilunate dislocations
Binoy SAYOGUJANADHAN, Sreejith PAPPU (INDIA)

16:32 Systematic review of diagnosis for clinically suspected scaphoid fractures: which is best?
Henrik BÆCKER¹, Chia WP², Robert STRAUCH²
¹(GERMANY), ²(UNITED STATES)

16:40 The critical size of a ulnar styloid fracture and the biomechanical effects of the remnants soft tissues and of the surgical repair on the DRUJ-stability
Mauro MANIGLIO¹, Il Jung PARK², William FRAIPONT², Remy FLUECKIGER¹, Lillianna BÖLINGER¹, Matthias ZUMSTEIN², Michelle MCGARRY³, Thay Q LEE³
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-Huei 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 YEHU, Kuen-Huei 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 Rakhoj JAMALI¹
¹(PAKISTAN), ²(UNITED KINGDOM)
Foot & Ankle | Thursday, 5 December | Grand Ballroom C2

08:00 - 10:00

Free Paper Session – Foot & Ankle 1

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

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

08:15 Subtalar arthrodesis in paediatric flexible flatfoot
Mohd Ishaq ALAMLIH, Salah ALBURDENI, Ghalib AL HANEEDI (QATAR)

08:23 Supramalleolar osteotomy and amic cartilage reconstruction in severe cartilage lesion
Hajo THERMANN, Ahmed SHOKRY, Ahmed HEGAZY (GERMANY)

08:31 Total talar replacement with a novel 3D printed modular prosthesis for tumours
Zou CHANG, Hong DUAN (CHINA)

08:39 A prospective study to evaluate the results of endoscopic management for Haglund’s syndrome using 3 portal technique
Vinod KUMAR, Keshave SINGH (INDIA)

08:47 Restoration of standing and walking functions in crawling, crouching, hopping limping and squatting patients – analysis of surgical treatment of 255 cases
Mofakhkharul BARI (BANGLADESH)

08:55 Weber-transformation-surgery - ankle construction in fibular hemimelia
Michael WEBER (UNITED ARAB EMIRATES)

09:03 Functional and radiological outcome of tibiotalocalcaneal arthrodesis in Charcot neuroarthropathy using a retrograde hind foot nail
Chandrababu KADASSERY KUMARAN, Balu C BABU (INDIA)

09:11 Features of the first metatarsophalangeal joint chondroplasty by autologous matrix-induced chondrogenesis (AMIC) in treatment of patients with first metatarsophalangeal joint osteoarthritis
Maxim NURMUKHAMETOV, Maxim MAKAROV, Sergey MAKAROV, Evgeny BIALIK, Yaroslav KHRENNIKOV, Valery BIALIK, Vadim NESTERENKO (RUSSIA)

09:19 Functional bracing is cost effective and safer in management of stable Weber B ankle fractures; multicentre study
Sherif ELNIKETY, Ahmed ABDELAAL, Sherif ALY (UNITED KINGDOM)

09:27 Intermediate to long-term follow-up of Hintegra total ankle replacements
Raymond MCKENNA, Gavin HEYES, Andrew WALLS, Prout HONOR, Alistair WILSON, John WONG-CHUNG (UNITED KINGDOM)

09:35 Subluxation of the middle facet of the subtalar joint as a marker of adult acquired flatfoot deformity pertalar subluxation; a case-control study
Cesar DE CESAR NETTO¹, Alexandre Leme GODDY-SANTOS², Guilherme Honda SAITO¹, Francois LINTZ², Sorin SIEGLER¹, Martin O’MALLEY¹, Jonathan DELAND¹, Scott J ELLIS¹ ¹(UNITED STATES), ²(BRAZIL), ³(FRANCE)

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
Gowreesoon 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: Gowreesoon THEVENDRAN (SINGAPORE), Nick SARAGAS (SOUTH AFRICA)

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

14:10 8. Base of Vth metatarsal fracture with an IM screw
Daniel BARBER (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 PANCHBHAVI (INDIA)

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

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

15:00 12. Medialising calcaneal osteotomy
Teoh Kar HAO (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)
Moderators: Ali ALARADI (BAHRAIN), Adriaan VAN ZYL (SOUTH AFRICA)

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

16:08 A non-originator consecutive case series of third generation minimally invasive Chevron akin osteotomy for hallux valgus: one year clinical outcome follow-up
Sivan SIVALOGANATHAN, Thomas HOLME, Beejal PATEL, Kumar KUNASINGAM (UNITED KINGDOM)

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

16:24 The influence of calcaneal and first ray osteotomies on the contact pressures of the ankle joint
Cesar DE CESAR NETTO¹, Danilo RYUKO NISHIKAWA², Nicholas CASSCELLS¹, Stuart MICHNICK¹, Tao XU¹, Pooyan ABASSI¹, Brent PARKS¹, Stuart MILLER¹
¹(UNITED STATES), ²(BRAZIL)

16:32 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 KILYANPILAKKIL (UNITED KINGDOM)

16:40 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)

16:48 Topical review: fibular nail fixation
Henrik BAECKER¹, J Turner VOSSELLER²
¹(GERMANY), ²(UNITED STATES)

16:56 Use of an inflatable intra-medullary nail for fixation of unstable ankle fractures in frail elderly patients
Langhit KURAR (UNITED KINGDOM)

17:04 Achilles tendon elongation after functional management of acute ruptures
Tareq TAREEF, Javed SALIM, Daniel BRUNTON, Emer RICHARDSON, Viren MISHRA (UNITED KINGDOM)

17:12 Outcome of talocalcaneal coalition resection assisted with intra-operative navigation
Mihir THACKER, Carlos PARGAS, Kenneth ROGERS, Reid NICHOLS, Adolfredo SANTANA (UNITED STATES)

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

08:00 Keynote lecture: Controversies in orthopaedics: why they exist and what to do about them!
Javad 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 KURTTH, 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, Ing-Ho CHEN (TAIWAN)

08:47 Sarcopenia in patients with chronic low back ache - a case control study
Rajesh RAJAVELU, Ajay PRASAD SHETTY, Rishi MUGESH KANNA, Rajasekar SHANMUGANATHAN (INDIA)

08:55 Evaluating the effectiveness of learning and quality improvement in orthopaedics
Epaminondas VALSAMIS¹, Mohamed SUKEK²
¹(UNITED KINGDOM), ²(CANADA)

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

09:11 Reliability of the EOS imaging system for assessment of the spinal and pelvic alignment in the sagittal plane
Eugene PARK, Jae-Sung AHN, Kim SANG BUM, Ho Jin LEE, Seokwan 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 HONEKI, Masaaki MATATARI (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)
**Moderators:** Matthew DOBBS (UNITED STATES), Noppachart LIMPAPHAYOM (THAILAND)

**10:30 - 11:00**

**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**

Al 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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**Moderators:** Matthew DOBBS (UNITED STATES), Noppachart LIMPAPHAYOM (THAILAND)

**14:00 - 15:30**

**Stage of innovation from idea to market**

Khaled EMARA (EGYPT)

**14:10**

**Use of local antibiotics**

Hamish SIMPSON (UNITED KINGDOM)

**14:20**

**3RD-I: how research, development and innovation are transforming the developing nations**

Vaibhav BAGARIA (INDIA)

**14:30**

**Importance of data collection and proper ways of taking clinical and radiograph pictures**

Nishit PALO (INDIA)

**14:40**

Management of wound infection: the use of negative pressure dressing

Margaret FOX (HONG KONG)

**14:50**

**How do registries help answer research questions?**

Vikas KHANDHUA (UNITED KINGDOM)

**15:00**

**Advancing precision medicine for clubfoot through translational research**

Matthew DOBBS (UNITED STATES)

**15:10**

**Challenges of clubfoot management in the developing world**

Noppachart LIMPAPHAYOM (THAILAND)
Thursday, 5 December | Junior Ballroom A

**Free Paper Session – Knee 1**

**Moderators:** Asparouh ASPAROUHOV (BULGARIA), Michael ZIMLITSKI (GEORGIA)

**08:00**  
**Keynote lecture:** TKA in severe deformities  
**Parag SANCHETI (INDIA)**

**08:15**  
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  
**Peadar Antaine MAC SUIBHNE, Muthu GANAPATHI (UNITED KINGDOM)**

**08:31**  
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)**

**08:39**  
Metal allergy and total knee arthroplasty: a call for global consensus  
**Tarek BOUTEFNOUCHET, 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 ABDELNASSER, Mohamed ELSHERIF, Hatem BAKR, Mohamed MAHRAN, Yaser KHALIFA (EGYPT)**

**08:55**  
Anterior versus posterior referencing in the measurement of posterior condyle offset ratio for total knee arthroplasty  
**Musheer Hussain MOHAMED¹, Abhishek Vadiraj SHETTY², Imthiaz AHAMED³  
¹(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 KUODA, Shingo HASHIMOTO, Shinya HAYASHI, Ryosuke KUODRA (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  
**Taran GOYAL, Arghya K CHOUDHURY, Souvik PAUL, (INDIA)**

**09:27**  
Early outcomes of the Attune total knee arthroplasty in a non-designer series of 436 knees  
**Akash SARAOGI¹, Naveen LOKIKERE², Tim BOARD², George PAVLOU, Anil GAMBIHR²  
¹(INDIA), ²(UNITED KINGDOM)**

**SICOT Instructional Symposium – Fractures around Knee Arthroplasty**

**Moderators:** 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  
**Hemant WANKANKAR (INDIA)**

**10:54**  
Management of fracture patella in total knee arthroplasty  
**Jacques CATON (FRANCE)**

**11:02**  
Role of cones and sleeves in periprosthetic fractures  
**Ashok RAJGOPAL (INDIA)**

**11:10**  
Extensor tendon disruptions in total knee arthroplasty  
**Vivek DAVAIYA (INDIA)**

**11:18**  
Osteolysis in total knee arthroplasty: aetiology and management  
**Fatih KUCUKDURMAZ (TURKEY)**

**11:26**  
Stems and augments in management of periprosthetic fractures  
**Phillipe HERINGOU (FRANCE)**

**11:34**  
Exposure options for periprosthetic fractures  
**Parag SANCHETI (INDIA)**

**11:42**  
Discussion
Moderators: 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

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, Danielle 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 KRISHINAMURTHY (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 ALS/AIF, Asma ALQASEER, Mohamed HUSAIN (BAHRAIN)

16:40 Early results of using individual titanium augments for revision knee arthroplasty
Yaroslav RUKIN, Alexey LYCHAGIN, Valerly MURYLEV, Andrej GRITSUK, Pavel ELIZAROV, Andrej GARKAVI (RUSSIA)

16:48 Continued pain following total knee arthroplasty: diagnostic algorithm and management options
Basil Ugochukwu IWUNZE, Nikolai Vasilyevich ZAGORODNIY, Sergey Vladimirovich KAGRAMANOV, Georgy Yurevich BORISKOV (RUSSIA)

16:56 Outcomes of revision knee replacement using total stabilising prosthesis
Abdelaleem RAGAB, Waleed AKSEL, Mohamed ABDALLYAH, Mamdouh 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 DHOOLLANDER, Peter VERDONK, Theofyllaktos 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-BUSAIDI (OMAN)

16:00 Keynote lecture: Global spine surgery; challenges and innovation in underserved regions - FOCOS paradigm
Oheneba BOACHIE-ADJEI (UNITED STATES)

08:00 Surgical site infections in paediatric spinal surgery over a decade of serial and iterative efforts to eradicate infection: timing matters
David Price ROYE JR., Bradley HAMMOOR, Hiroko MATSUMOTO, Gerard MARCIANO, Lucas DZIESINSKI, Benjamin ROYE, Michael VITALE (UNITED STATES)

08:23 Does preventive care bundle have an impact on surgical site infections following spine surgery? An analysis of 9607 patients
Sri Vijay Anand K S, Rajdeep BAGGA, Ajoy SHETTY, Rishi Mugesh Kanna P, Rajasekaran S (INDIA)

08:31 The effect of intradiscal vancomycin powder in the prevention of postoperative discitis RCT study
Reda Ali SHETA (EGYPT)

08:39 Strategies for reduction of surgical site infection (SSI) in low risk adolescent idiopathic scoliosis surgery: experience from tertiary level paediatric center
Saneshkumar LAKKOL, Athar SIDDIQI, Ramesh NANDARAJAH, Broomfield EDEL, Stewart TUCKER, Tom EMBER, Mark HARRIS (UNITED KINGDOM)

08:47 Outcome analysis of anterior reconstruction with rib grafts in tuberculosis of the thoracic spine
Aditya RAJ, Sudhir SRIVASTAVA, Sunil BHOSALE, Nandan MARATHE (INDIA)

08:55 Clinical efficacy and feasibility of one-stage combined posterolateral and anterolateral decompression, for thoraco-lumbar tuberculosis using pedicle screw instrumentation and global fusion via a posterior-only approach
Dheeraj BATHEJA (UNITED KINGDOM)
09:03 Classification and management algorithm for post-operative infections following transforaminal lumbar interbody fusion
Renjith KARUKAYIL (INDIA)

09:11 Evaluation of healing of lesion in tuberculosis (TB) spine by contrast MRI and 18-FDG PET/CT scan
Sambhar Mittal, Anil Kumar Jain (INDIA)

09:19 Spinal infections: experience at a spinal unit
Selver Karim, Zeiad Alshameeri, Azeem Thahir, Saajid Kaleel (UNITED KINGDOM)

09:27 To evaluate role of imprint cytology as an early diagnostic modality compared to histopathology in vertebral lesions
Dheeraj Batheja (UNITED KINGDOM)

09:35 The treatment of dural tears in the literature: drowning in information but thirsty for a clear message
Zeid Alshameeri, Ahmed Elmubarak, Ed Kim, V Jasani (UNITED KINGDOM)

10:30 - 12:00 SICOT Instructional Symposium – Spinal Cord Injury and Rehabilitation

Moderators: Evalina Burger (UNITED STATES), John Dornmans (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-Gune Chang (SOUTH KOREA)

11:06 Management strategies in tuberculous paraplegia
Rohit Amritanand (OMAN)

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 - 15:30 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 PELD
Wei Zhang (CHINA)

14:42 Posterior cervical decompression by using large tube endoscopy
Lei MA (CHINA)

15:00 Trendy or mandatory? Navigation in endoscopic spine surgery
Erik Traupe (GERMANY)

15:12 Advanced technologies/pathologies: pushing the limits
Seung Deok Sun (SOUTH KOREA)

16:00 - 17:30 Free Paper Session – Spine 2

Moderators: Mourad Hamidani (ALGERIA), Fred Otseyen (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 Marathe (INDIA)

16:16 Unstable Hangman’s fracture – do anterior surgeries offer better outcomes?
Keerthivasan Panneer Selvam, Shanmuganathan Rajasekar, Ajoy Shetty, Rishi Mugesh Kanna P (INDIA)

16:24 Functional outcome and safety of expansion duroplasty in acute traumatic spinal cord injury
Shahid Ali, Jawad Saleem, Noman Ahmed, Atiq Durrani (PAKISTAN)

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

16:40 Does fusion mandatory for thoracolumbar burst fracture treated with posterior spinal instrumentation?
Sharif Ahmed Jonayed, Md 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 Nogai, Kiyoshi HiGA, Shiji Kurogi, 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 Attia², Osama Alahamshesh³, Fadi Bouri¹, Abdul Moeen Baco⁴, Salahudden AbdeLSalam⁵, Kenan Alkhalil²⁶¹ (QATAR), ²(UNITED STATES), ³SWITZERLAND)

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 Spino pelvic dissociation in patients suffering injuries from airborne sports
Henrik Baeker¹, Chia Wu², J. Turner VosSelle³, Lorin Benneker³, Fabian Krause³, Christoph ALbers³¹ (GERMANY), ²(UNITED STATES), ³SWITZERLAND)
08:00 - 10:00

**Short Free Paper Session – Hip**

**Moderators:** Peter ALDINGER (GERMANY), Bassel EL-OSTA (LEBANON)

08:00 A retrospective study to compare the results of short versus long cephalomedullary proximal femoral nail (PFPN) for trochanteric region femoral fractures in elderly patients with minimum 2 years follow-up

Moht JAIN1, Dhavalkumar PATEL1, Slava BRADKO2, Ashish BRAMBHATT2, Elsayed ATIA1, Saral PATEL3 ¹(INDIA), ²(BELARUS), ³(UNITED STATES)

08:05 Intramedullary nailing (IMN) and sliding hip screw (SHS) for multitraumatic trochanteric fractures type AO/OTA 31-A2: revision and mortality of total 650 cases

Franz MUELLER, Matthias DOBLINGER, Bernd FUECHTMEIER (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 fracture neck femur in a district general hospital

Sandeep KOHLI, Aksheesh 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 FRAQUET1, Declan BRAZIL2, Timothy MCTIGHE1 ¹(FRANCE), ²(AUSTRALIA), ³(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 ABEDALZIM (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

Phillipe HERINGOU, 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 SEKITA (JAPAN)

08:55 Influence of implant characteristics on survival of a cemented stem

Ola ROLFSON, Raed ITAYEM, Johan KÄRRHOLM (SWEDEN)

09:00 Old unreduced total hip arthroplasty, treatment and results

Daruish GOURAN SAVADKOOGHI, Babak SIAVASHI, Ehsan PENDAR, Babak MOLANAEI, Mohamadjavad ZEHTAB (IRAN)

09:05 Total hip arthroplasty for complex primary hips

Nirmal DEY, Sanjay KESIKUR, Bhaskar SEN, Ajay GOYAL (INDIA)

09:10 Indications and results of conversion of girdle-stone to total hip arthroplasty

Daruish GOURAN SAVADKOOGHI, Babak SIAVASHI, 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 ISHIHARA, Toshiyuki TATEIWA, Takaaki SHISHIDO, Toshihiko MASAOKA, Yohei NISHIKAWA, Yasuhito TAKAHASHI, Kengo YAMAMOTO (JAPAN)

09:20 Midterm results of trabecular metal augments combined with cemented cups in reconstruction of acetabular defects

Ahmed EBIEID, Ayman EBIEID (EGYPT)

09:25 Deteriorating results of the Opera cemented acetabular component beyond 10 years: a 13 to 18 year follow-up study

David SOCHART (UNITED KINGDOM)

09:30 Financial analysis of revision hip arthroplasty

Srocko SABALIC, Slaven BABIC, Dejan BLAZEVIC, Tomislav CENGIC, Lea KALAJZIC, Sljepan CIRIC (CROATIA)

09:35 Functional outcome of two-staged total hip replacement for long standing girdlestone excision arthroplasty

Ibrahim Abolaji ALABI, Solideen Adebayo AROJURAYE, Ndubuisi OKOH (NIGERIA)

09:40 Possibilities of joint preserving surgery in adolescents in the developing dysplastic coxarthrosis

Mikhail TEPLENKHY (RUSSIA)

09:45 Extra medullary fixation in unstable trochanteric/subtrochanteric fracture by PF-LCP (pre contoured proximal femoral plate)

Krishna Kumar MITTAL (INDIA)

09:50 Osteopenosis and total hip arthroplasty: results of a survey about orthopaedic surgeons attitudes

Nadhir MERAGHNI, Mohamed DERRADJI, Abderrazak CHOUTITI, Riad BENKDAIL, Rachid NEMMAR, Mohamed KHALIL, Zoubir KARA (ALGERIA)

09:55 Debridement, antibiotics and implant retention (DAIR) following total hip and knee replacements in a district general hospital

Kodai Siva Rama Krishna PRASAD, Salim PUNJABI, Chanaka SILVA, Stephen SARASIN, Peter LEWIS (UNITED KINGDOM)

10:30 - 12:00

**Short Free Paper Session – Sports Medicine 1**

**Moderators:** Jihad Hajj IBRAHIM (SYRIA), Alan NORRISH (UNITED KINGDOM)

10:30 One stage ligament reconstruction in multi-ligament knee injury

Abolfazl BAGHERIFARD, Mahmoud JABALAMELI, Hooman YAHYAZADEH, Salman GHASSARI, Mehdi MOHAMMADPOUR, Majid ABEDI, Jafar REZAZADEH, Masoud MIRKAZEMI (IRAN)

10:35 Improving quality of care of ACL surgery as day care procedure review of 250 cases from Oman

Ahmed ALHADEETH, Arun KARIYAL, Ahmed ATTIA³, Saral PATEL¹

10:40 Multiligament knee injury. Oman experience

Suwallim AL GHANAMI, Ismail AL HABSI, Arafat ALFIKEY
10:45  Arthroscopic partial scapulectomy for the treatment of snapping scapula
Rumina BEGUM, Emmet GRIFFITH, Nawfal AL-HADITHY, Graham TYHERLEIGH-STRONG (UNITED KINGDOM)

10:50  A novel biceps incorporation technique for arthroscopic repair of massive rotator cuff tears
Patrick HENRY, Aaron NAUTH, William REGAN (CANADA)

10:55  Outcomes of hip arthroplasty in patients with chronic renal failure on dialysis
Sangmin LEE (SOUTH KOREA)

11:00  Evaluation of ligamentisation of the patellar tendon graft 21 years following anterior cruciate ligament reconstruction
Gunjar JAIN, Hira Lal NAG, Sandeep Kumar KANUGULA, Shubhankar SHEKHAR (INDIA)

11:05  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)

11:10  Knee muscle strength following ACL reconstruction using hamstring tendon autograft – a quantitative analysis using force gauge
Srikanth KANCHANA PALA, Deepak RANGASWAMY (INDIA)

11:15  Proximal tubifibular joint instability in multiligamentous knee injury
Bushu HARNA, Dhananjaya SABAT (INDIA)

11:20  Arthroscopic surgery versus conservative treatment for avulsion fractures at the tibial attachment of posterior cruciate ligament
Ryuichiro AKAGI, Yuta MURAMATSU, Takahiro ENOMOTO, Shotoro WATANABE, Yoshimasa ONO, Aya SADAMASU, Yuya OGAWA, Seiji KIMURA, Satoshi YAMAGUCHI, Seiji OHTORI, Takahisa SASHO (JAPAN)

11:25  Multi-ligament injured knee role for biceps femoris re-routing in postero-lateral corner reconstruction
Amr KANDEEL (EGYPT)

11:30  Does timing from anterior cruciate ligament (ACL) injury to surgery affect the outcome of arthroscopic ACL reconstruction? A prospective short-term outcome study
Madhusua JAYASEKARA, Dlishan MUNIDASA (SRI LANKA)

11:35  Failure rate of 5-strand and 6-strand hamstring autograft ACL reconstruction
Ahmed ATTIA, Hazem NASEF, Kareem ELSWEFY, Faris ABUSHABAN, Karyal 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 Vranrensburg, Graham Tytherleigh-Strong (United Kingdom)

11:45  Arthroscopic transosseous rotator cuff repair
Mustafa MERSIGI, 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 epicondyle as treatment for chronic lateral epicondylitis (Tennis Elbow)
Ahmad Ibraheem Adosooki Mohammad Abdelraheem, Abdelfrahman HAFEZ, Mohamed Eljezawy, Ahmed TARIK (EGYPT)

12:05  Results of 62 consecutive arrow anatomical total shoulder replacements for primary osteoarthritis - a single surgeon series
Ravi PANDIT, Mohammed Almustafa (UNITED KINGDOM)

12:10  Shoulder arthroplasty: the Wolverhampton Royal experience
Michael WEEKES, Manpreet SIDHU, Madeline BICKLEY, Malik SHAHBAZ, Timothy McBRIDE (UNITED KINGDOM)
16:15 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 KHATTAB2 1(OMAN), 2(EGYPT)

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

16:00 - 17:30 Short Free Paper Session – Knee 1

Moderators: Nasser ALSUBAI (QATAR), Matthew MORREY (UNITED STATES)

16:00 Hospital volume by year and risk of revision in total knee arthroplasty: results from the Catalan arthroplasty register
Miquel PONS1, Jorge ARIAS DE LA TORRE1, Jose Maria VALDERRAS2, Jonathan EVANS3, Olga MARTINEZ2, Karla SMITH1, Farnesc PALLIS1, Mirela ESPALLARGUES1 1(SPAIN), 2(UNITED KINGDOM)

16:05 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)

16:10 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 (JLA)
Johnny MATHEWS, Andrew TOMS, Revision Knee Replacement Priority Setting Partnership (UNITED KINGDOM)

16:15 Comparative analysis of accuracy of patellar index measurements using multiplanar MRI scan
John EDWIN, Carol PHILLIPS, Roy POWELL, Vipul MANDALIA (UNITED KINGDOM)

16:20 Functional computer diagnostics of the knee endoprosthesis loosening
Yaroslav RUKIN, Vera BACHVALOVA, Valeriy MURYLEV, Alexey LYCHAGIN, Grigoriy ZACHAROV (RUSSIA)

16:25 Popliteal artery thrombosis – post TKR – series of cases
Nithin SUNKU (INDIA)

16:30 Measures to reduce infection rate in knee and hip arthroplasty
Ahmed Younis SABER1, Essam ZAHER2, Ashraf TAHER2 1(UNITED KINGDOM), 2(KUWAIT)

16:35 Comparison of UKA and HTO in medial knee OA by Forgotten Joint Score 12
Shotaro WATANABE, Ryuichiro AKAGI, Yoshimasa ONO, Yuya OGAWA, Aya SADAMASU, Seiji KIMURA, Satoshi YAMAGUCHI, Seiji OHTORI, Takahisa SASHO (JAPAN)

16:40 Oncological lower limb salvage with use of megaprostheses for tumours around the knee: 10-years experience at National Institute of Rehabilitation Medicine, Islamabad, Pakistan
Faridullah KHAN (PAKISTAN)

16:45 Effect of pre-operative serum vitamin-D levels on post operative outcome in total knee arthroplasty
Junaid KHAN, Riaz AHMED (PAKISTAN)

16:50 A study on knee anthropometry in Indian population and its comparison with other ethnic groups and current TKA implants- a CT based study
Ratnakar VECHAM, Guravreddy ANNAPAREDDY, Sukesh Rao SANKINEANI (INDIA)

16:55 Total knee replacement and experience from Afghanistan
Emal WARDAK (AFGHANISTAN)

17:00 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?
Shaob IGBAL, Sameer KHAN, Richard HOLLEYMAN, Mike REED (UNITED KINGDOM)

17:05 Genu recurvatum following primary total knee arthroplasty: a potential indication for isolated polyethylene exchange
Seyed Mohammad Javad MORTAZAVI, Ali OKATI, Ehsan GHADIMI (IRAN)

17:10 Total knee replacement surgery in patients with varus recurvatum deformity – challenges and early results
Raviprakash YOLAROTTI, Chikkamuniyappa CHANDRASEKAR (INDIA)

17:15 12-year outcome and survivorship analysis of hip and knee replacement based on the Egyptian community Arthroplasty Registry
Mahmoud Abdel HAFEZ, Nada IBRAHIM (EGYPT)

17:20 Does total knee arthroplasty reduce fall risk?
William HODGE, Estefania MEZA, Mathew ADAMS, Claire HONEYCUTT (UNITED STATES)

17:25 Role of tranexamic acid in knee arthroplasty: topical vs oral
Rakesh GUPTA (INDIA)

17:30 Kinematic analysis of knee joint in sitting-standing motion using biplane fluoroscopy in osteoarthritic knee that underwent the medial opening wedge high tibial osteotomy
Hyong Min KIM, Seung-Suk SEO, Jeong-Hee SEO, Hyo-Jong NAM (SOUTH KOREA)

Trauma / Young Surgeons Committee | Thursday, 5 December | Meeting Room 9

08:00 - 10:00 Short Free Paper Session – Trauma 1

Moderators: Amjad HOSSAIN (BANGLADESH), Nasser AL SUBAIE (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, Arulselvi JAYAKUMAR (INDIA)

08:10 Outcome of non vascularised autologous fibula graft in treatment of gap non-union: a case series
Vipul SHET, Eknath PAWAR, 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, Sibashish METIA (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 LUKSAMEE UROMTHAI, Erik HASENBOHLE (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
Muhammed MOHAMMED YASEEN, Shuail NOOR (UNITED KINGDOM)

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

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

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

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

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

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

09:05 Total elbow replacements – 10-year follow-up
Azeem THAIRI, Satyanaryana ANNAPUREDDY, Shuail NOOR, Jeremy STANTON (UNITED KINGDOM)

09:10 The anatomical region influences the interobserver variability of AIS
Roman PFEIFER¹, Eftychios BOLIERAKIS², Sylvia SCHICK², Frank HILDEBRAND², Hans-Christoph PAPE¹
¹(SWITZERLAND), ²(GERMANY)

09:15 Development of a Virtual Fracture Clinic (VFC) service at an NHS district general hospital
Sampalli SRIKHAR, Katharine WILCOCKS, Neil JACOBS, Ahmed ELMORSY, Leonidas YACHTEVANOS, Katharine SHEAN, Lucie PATRICK, Mohamed ABDELMONEM (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 big defect of long bone and soft tissue of extremities
Enver SABIC, Nedzad SABIC (BOSNIA)

09:35 Long bone defect management by Masquelet technique
Allaghoji Jacob SOKWO¹, Davou Gyang SHA¹, Vikas KHANDUJA¹, Norrish ALAN²
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 HOHENBERGER, Peter KONSTANTINU, Janos CAMBIASODANIEL, 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 geriatric trauma patients
Julian SCHERER¹, Yannik KALBAS¹, Franziska ZIEGENHAIN¹, Volantin NEUHAUS¹, Rolf LEPERING², Michael TEUBEN², Kai SPRENGEL², Hans-Christoph PAPE¹, Kai Oliver JENSEN²
¹(SWITZERLAND), ²(GERMANY)

10:30 - 12:00
Young Surgeons Committee Symposium – Difficult Case Discussions in THAs

Moderators: Fares HADDAD (UNITED KINGDOM)

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 CITAK (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 ABDELAZEEM (EGYPT)

11:40 Case 8
Mohammad EYAYATOLLahi (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 KUCUDURMAZ (TURKEY), Mohamed SUKEIK (UNITED KINGDOM)

14:00 Cochrane
Mohamed SUKEIK (UNITED KINGDOM)

14:10 PubMed
Fatih KUCUDURMAZ (TURKEY)

14:20 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 JOHARI (INDIA), Mohamed SUKEIK (UNITED KINGDOM)

16:00 Innovating education
  Ashok JOHARI (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 (UNITED KINGDOM)

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-base?
  Epaminondas Markos VALSAMIS (UNITED KINGDOM)

16:56 Final remarks
  Ashok JOHARI (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), Jon CONROY (UNITED KINGDOM), 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)

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 - 17:30
Instructional Course — Knee Arthroscopy Cadaver Lab

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

Instructors: Edmar STEVENS (BRAZIL), Rodrigo MONTIEL (BRAZIL), Diego MAZIEL (BRAZIL), Peter YAU (HONG KONG)

(For course details see page 14)

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

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

Instructors: Edmar STEVENS (BRAZIL), Rodrigo MONTIEL (BRAZIL), Diego MAZIEL (BRAZIL), Peter YAU (HONG KONG)

(For course details see page 14)
13:00 - 17:00
Instructional Course – Knee Arthroscopy Cadaver Lab

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

(For course details see page 14)

13:00 - 17:00
Instructional Course – Shoulder Arthroscopy Cadaver Lab

Moderators: Leonardo DAU (BRAZIL), Ayman AL-AMRY (OMAN)
Instructors: Ahmad KHATER (EGYPT), Leonardo DAU (BRAZIL)

(For course details see page 14)

Trauma | Friday, 6 December | Auditorium

07:00 - 08:00
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
Teuben MICHEL, Paul JOHAN, Nicholas LOEHR, Kai JENSEN, Martin BRUEESCH, 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 EL-SAYED, Ahmad ABDULAZIZ (QATAR)

07:20 Our local baiian antibiotic cement rod versus standard chest tube cement rod preparation technique
Arslan ABRO (PAKISTAN)

07:25 Designing and using the pedicle mini-flap for taking pressure off the pedicle in distally based skin flaps
Wang PEIJI (CHINA)

07:30 The use of social media while driving: an orthopaedic resident’s perspective on ‘the dangers of driving and using social media’
Muhammad TAHIR (PAKISTAN)

07:35 Pelvic/acetabular injuries in a Seha (UAE/ Abu Dhabi) Governmental Hospital – our experience
Ihab ABBAS, Husam RAHMEH (UNITED ARAB EMIRATES)

07:40 Treatment for unstable comminuted distal femur fractures: dual plate fixation
Romit AGRAWAL, Vijay SINGH, Ayush SHARMA, Nilesh MANGALE, Jeet SAVLA, Priyank DEEPAK, Sharobih SINHA, Ajay JAISWAL (INDIA)

07:45 Surgical vs non-surgical treatment of ankle fractures in patients above 50 years: a systematic review and meta-analysis
Maged MEKHAIMAR, Abduljabbar ALHAMD MouD, Motasem SALAMEH, Abdulaziz AHMED, Omamah ALDHAHAMSHEH, Ghaliib AHMED, Karim MAHMOUD (QATAR)

07:50 Obesity paradox holds true for hip fracture patients – a prospective register based cohort study
Margareta HEDSTROM, Tommy CEDERHOLM, Karin MODIG, Carl MELLNER, Annelie ERDEFELDT (SWEDEN)

08:00 - 10:00
Free Paper Session – Trauma 2

Moderators: Narender MAGU (INDIA), Wael AZZAZI (JORDAN)

08:00 Keynote lecture: New trends of hospital infections in the department of orthopaedics and traumatology
Mohammed AL-AWLAQI (YEMEN)

08:15 Regional blood flow changes in various body regions associated with reperfusion injury in a standardised animal model
Sascha HALVACHIZEH, Michael 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 HALVACHIZEH, Kai-Oliver JENSEN, Basil HATZ, Ladaslav MICA, Hans-Christoph PAPE, Kai SPRENGEL (SWITZERLAND)

08:31 Infected defected non union- classification, strategy treatment according to Sabic (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 HALVACHIZEH, Michel TEUBEN, Kalbas YANNIK, Hans-Christoph PAPE, Roman PFEIFER (SWITZERLAND)

08:47 Analysis of preventability of preclinical trauma deaths
Roman PFEIFER¹, Sascha HALVACHIZEH², Kai SPRENGEL¹, Neuhaus Valentin NEUHAUS¹, Kai Oliver JENSEN¹, Hans-Christoph PAPE²
¹(SWITZERLAND), ²(SWAZILAND)

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 THANAGARAJ, 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 NOUSRI (TUNISIA)

09:19 The influence of nutrition status on the outcome of polytraumatised patients: BMI vs fat distribution
Silja SEINEN, Orkun ÖZKURTUL, Jörg BÖHME, Philipp PIEROH, Christoph JOSTEN, Johannes FAKLER (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 JOSTEN, Johannes FAHLER (GERMANY)

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

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

09:51 A data based assessment of four grading scores of polytraumatised patients
Sascha HALVACHIADEH, 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)

10:30 - 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 SAVADKOHI (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?

12:30 – 13:00
Research Academy Session

12:30 To be announced
Matt DOBBS (UNITED STATES)

14:00 - 15:30
SICOT Instructional Symposium – Pelvic Ring Fractures

Moderators: Zsolt BALOGH (AUSTRALIA), Hans-Christoph PAPE (SWITZERLAND)

14:00 Why I use computer-assisted surgery for pelvic fractures
Meir LIBERGAL

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

14:20 My personal strategy: have I changed at all?
Zsolt BALOGH (AUSTRALIA)

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

14:40 Pathophysiology/diagnosis of compartment syndrome
Edward HARVEY (CANADA)

14:50 Case based lecture and podium discussion
Hans-Christoph PAPE (SWITZERLAND)

15:00 Case based lecture and podium discussion
Cyril MAUFFREY (UNITED STATES)

15:10 Case presentation: a plea for minimal invasive fixation
Zsolt BALOGH (AUSTRALIA)

15:20 Case presentation: a plea for ORIF
Jordan SAVESKI (MACEDONIA)

16:00 - 17:30
Free Paper Session – Trauma 3

Moderators: Julio RIBES-IBORRA (SPAIN), Assia BENHABILES (ALGERIA)

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

16:08 Lipid profile changes in patients with plantar fasciitis: a case control study
Seyyed Hadi SEYYED HOSEINIAN, Amir Reza KACHOOE, Alireza 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 MUZAFFAR², Bish DEV², Abdul GHANI²
¹(UNITED KINGDOM), ²(INDIA)
Ishfa IFHAM, Azeem THAHIR
¹(BANGLADESH), ²(UNITED KINGDOM)

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

Outcome of simultaneous treatment of multiple severely injured trauma patients – an analysis of the German Trauma Registry
Teuben MICHEL PAUL JOHAN, Carsten MAND, Alba SHEHU, Roman PFEIFER, Steffen RUCHHOLTZ, Rolf LEFERING, Hans-Christoph PAPE, Kai JENSEN
¹(SWITZERLAND), ²(GERMANY)

Triage in mass casualties incidents
Filip BURGET (CZECH REPUBLIC)

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

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)

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

Cement augmentation in osteoporotic intertrochanteric fractures – a simple yet effective technique
Rakesh GUPTA (INDIA)

Keynote lecture: When less is more: being conservative in arthroplasty
Rajesh MALHOTRA (INDIA)

Weight dynamics in patients with morbid obesity with total knee arthroplasty
Andrey GRITSYUK, Alexey LYCHAGIN (RUSSIA)

Total hip arthroplasty in association with digastic trochanteric osteotomy and proximal shortening: a solution for old hip dysplasia
Afshin TAHERIAZAM, Farshad SAFDARI (IRAN)

Low friction arthroplasty and dual mobility cup: a new gold standard
Jean Louis PRUDHON, Regis VERDIER, Jacques CATON (FRANCE)

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
Jean Marc PUCH, Guy DERHI, Loys DESCAMPS, Jacques CATON (FRANCE)

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

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
Phillipe HERNIGOU, Charles Henri FLOUZAT LACHANIETTE (FRANCE)

Improved patient-reported outcomes after total hip replacement in Sweden
Ola ROLFSON, Daniel SJÖGRE N, Daniel ODIN, Maziar MOHADDES (SWEDEN)

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
Diarmuid DE FAOITE, Christopher SAUNDERS, Amir KAMALI
¹(SWITZERLAND), ²(UNITED KINGDOM)
10:30 - 12:00

**SICOT Instructional Symposium – Hip Osteonecrosis**

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

- 10:30 Introduction
  - Jacques CATON (FRANCE)

- 10:40 Classification
  - Mohamed SUKEIK (UNITED KINGDOM)

- 10:50 Conservative treatment with cell therapy
  - Phillipe HERNIGOU (FRANCE)

- 11:00 Conservative treatment with core decompression and graft
  - Yasuhiro HOMMA (JAPAN)

- 11:10 Conservative treatment with femoral osteotomy
  - Phillipe HERNIGOU (FRANCE)

- 11:20 Arthroplasty
  - Chahine ASSI (LEBANON)

- 11:30 Results and perspectives
  - Phillipe CHIRON (FRANCE)

- 11:40 Discussion

14:00 - 15:30

**SICOT Instructional Symposium – How to Follow a Primary and Revision THA**

Moderators: Andre FERREIRA (FRANCE), Laszlo BUCSI (HUNGARY)

- 14:00 Clinical scores (PMA, HHS, Iowa, Charnley, ASA...)
  - Andre FERREIRA (FRANCE)

- 14:10 Quality of life scores (Oxford, WOMAC, HOOS, Devane, Parker...)
  - Syah BAHARI (MALAYSIA)

- 14:20 Radiological survey (Wear, LL, Osteolysis...)
  - To be announced

- 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
  - Eduardo SALVATI (UNITED STATES)

- 15:00 Revision for symptomatic hip
  - Francesco FALEZ (ITALY)

- 15:10 Conclusion
  - Eduardo SALVATI (UNITED STATES)

- 15:20 Discussion

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
  - Phillipe 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

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**Paediatrics / ASAMI & Hull Deformity | Friday, 6 December | Grand Ballroom A2**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00</td>
<td>Keynote lecture: Managing malignant bone tumours: treatment and beyond</td>
<td>Ajay PURI (INDIA)</td>
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<tr>
<td>08:15</td>
<td>Results of a standard versus accelerated Ponseti protocol in clubfoot: a prospective randomised study</td>
<td>Qazi Manaan MASOOD, Shahid MIR (INDIA)</td>
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<tr>
<td>08:23</td>
<td>Is a one-day training course useful in making skilful Ponseti providers? A retrospective study</td>
<td>Sandeep LENKA, Gunjar JAIN (INDIA)</td>
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<tr>
<td>08:31</td>
<td>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</td>
<td>Tomas NOVOTNY, Adam ECKHARDT, Jarmila KNITLOVA, Martin OSTADAL (CZECH REPUBLIC)</td>
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<tr>
<td>08:39</td>
<td>Can we predict which clubfoot patients are at risk of relapse?</td>
<td>Shahbaz KHAN¹, Limpaphayom, NOPPACHART², Stewart SARAZ, Ali Khan MANSOOR¹, B.Dobb, MATTHEW³ (PAKISTAN), (THAILAND), (UNITED STATES)</td>
</tr>
</tbody>
</table>
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, Dmitry BORZUNOV, Evgeny OVCHINIKOV, Dmitry POPKOV, Andrey EMANOV, Natalia KONONOVICE, Galina DIACHKOVA (RUSSIA)

09:03 Intramedullary magnetic nails for limb lengthening: our experience
Gilberto COSTA, André COUTO, Jorge COUTINHO, Joana FREITAS, António SOUSA (PORTUGAL)

09:11 Surgical biomechanics in cerebral palsy – role of lever arm dysfunction
Deepak SHARAN (INDIA)

09:19 Depression in paediatric patients with cerebral palsy: evaluating the validity of a PROMIS depression symptoms domain and at-risk patient identification
David Price ROYE JR., Hiroko MATSUMOTO, Gerard MARCIANO, Heakyung KIM, Joshua HYMAN (UNITED STATES)

09:27 Anterior knee pain in adults with cerebral palsy: a miraculous treatment?
Joshua HYMAN, Ahmad BAYOMY, Hung CHUN WAI, Thejas HIREMATH, Danielle ANNIS, Fay CALLEJO, Megan CAMPBELL, Nicole BANTON, Hiroko MATSUMOTO, Lauren REDLER, Charles POPKIN, David ROYE (UNITED STATES)

09:35 Minimal invasive treatment to prevent spastic hip dislocation
Peter BERNIUS, Vanessa GATTUNG, Nadine HERZIG, Michael POSCHMANN (GERMANY)

09:43 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 TY, Rameez QUDSI, Nancy LENNON, John KEE, Timothy NILLER, Julienne SEES (UNITED STATES)

14:00 Aetiology of growth plate arrest
Gracielle CARDOSO (BRAZIL)

14:12 Algorithm for the management of growth plate injuries
Reggie HAMDY (CANADA)

14:24 Update on the diagnosis and imaging of growth plate injuries
Sultan AL MASKARI (OMAN)

14:36 Management of bony bar
Milind CHAUDHARY (INDIA)

14:48 Planning and correction of deformities around the knee
Hemat SHARMA (UNITED KINGDOM)

15:00 Planning and correction of deformities around the ankle
Hemat SHARMA (UNITED KINGDOM)

16:00 Orthopaedic presentation of children with non-accidental injuries
Ramesh DALWAI, Sharma AKSHAT, Varghese BOBIN, Vadivelu RAMANAN (UNITED KINGDOM)

16:08 Radiographic improvement after subtalar arthroereisis: the first study with a control group and without the effect of soft-tissue procedure
Chun-Hua HSIEH, Chia-Che LEE, Tzu-Hao TSENG, Kuan-Wen WU, Ting-Ming WANG (TAIWAN)

16:24 Epidemiology of concomitant injuries in skeletally immature patients with pelvic injuries
Junaid KHAN, Riaz AHMED, Rahman Rasool AKHTAR (PAKISTAN)

16:32 Treatment of developmental coxa by the dynamic hip screw
Abdel-Azim WAHSH (EGYPT)

16:40 The effects of surgical treatment with chondroblastoma in children and adolescents in open epiphyseal plate of long bones
Shi RUI, Hong DUAN (CHINA)

16:48 Results of osteoclasis in correction of knee deformities
Abdel-Azim WAHSH (EGYPT)

16:56 Neuromonitoring for proximal fibular osteochondroma excision
Mihir THACKER, Carlos PARGAS, Chris MARKY, Kenneth ROGERS, Anthony DINARDO, Anthony SEXTOKAS (UNITED STATES)

17:04 Surgical reconstruction ‘à la carte’ of severe idiopathic flexible flatfoot in children: a report of 34 cases
Djamal LOUAHEM M’SABAH (FRANCE)

17:12 Femoral head reduction in Perthes and Perthes-like deformities
Daniela DIBELLO¹, Reinhold GANZ²
¹(ITALY), ²(SWITZERLAND)
07:30 - 08:00

**Free Paper Session – Médecins-Sans-Frontières Symposium**

**Moderators:** Maurice HINSENKAMP (BELGIUM), Francois BOILLOT (FRANCE)

**07:30** Médecins-Sans-Frontières’ Amman Project: joint reconstructive program in war zone areas
Francois BOILLOT¹, Ali M K AL ANI², Hanna JANHO², Rasheed M FAKHRI², Patrick HERARD¹
¹(FRANCE), ²(JORDAN)

**07:45** Ten years of reconstruction in Amman
Ali M K AL ANI¹, Hanna JANHO¹, Rasheed M FAKHRI¹, Patrick HERARD², Francois BOILLOT²
¹(JORDAN), ²(FRANCE)

**08:00 - 10:00**

**Free Paper Session – Sports Medicine 3**

**Moderators:** James LOH (SINGAPORE), Sachin TAPASVI (INDIA)

**08:00** Keynote lecture: to be announced.
To be announced

**08:15** Double tunnel anatomical coracoclavicular ligament reconstruction with double tightrope suspensory fixation in acute AC joint dislocations
Nishit PALO, Sidharth CHANDEL, Bhaskar BORGOHAIN, Manoj PATEL (INDIA)

**08:23** Outcomes of arthroscopic surgery in patients with joint laxity and hypermobility syndromes: a systematic review
Haltham SHOMAN¹, Prabvir MARWAY², Vikas KHANDUJA²
¹(UNITED STATES), ²(UNITED KINGDOM)

**08:31** Medical support reduced low back pain in juvenile basketball players – five-year results
Kazuyuki WATANABE, Shin-Ichi KONNO (JAPAN)

**08:39** Radial nerve anatomy at the elbow joint and its arthroscopic relevance
Srinath KAMINENI, Ashfaq HAMZA, Satya ALLURI, Vikas DHAWAN (UNITED STATES)

**08:47** Arthroscopic anatomy of the median nerve and brachial artery neurovascular bundle at the elbow
Srinath KAMINENI, Ashfaq HAMZA (UNITED STATES)

**08:55** Surgical management of chronic incomplete avulsion injuries of the proximal hamstrings
Atif AYUOB, Babar KAYANI, Fares HADDAD (UNITED KINGDOM)

**09:03** Dual bundle MPFL reconstruction: the angular arc of safety
Zhihong CHEW, Peilin Cheryl Marise TAN, Sir Young James LOH (SINGAPORE)

**09:11** 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 KHANDUJA (UNITED KINGDOM)

**09:19** 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)

**09:27** Surgical repair of the adductor longus muscle ensures return to sport in male soccer players
Marcin DOMZALSKI, Patrycja SZKUTNIK, Sebastian ZABIEREK, Jedrzej LESMAN (POLAND)

**09:35** Are we doing correct indications for hip arthroscopic treatment? A national multicentric study
Oliver MARIN-PENA¹, Mohamed ABD EL-RADI², Raul TORRES-EGUIA¹, Jesus MAS-MARTINEZ¹, Javier SANZ-REIG¹, Juan RIBERA¹, Marc TEY-PONS¹, Luis PEREZ-CARRIO¹, Boris GARCIA-BENITEZ¹
¹(SPAIN), ²(EGYPT)

**09:43** Labral repair in femoroacetabular impingement; comparing patient outcomes between two different arthroscopic knotless suture anchors
Paul HAGGIS, Tony ANDRADE (UNITED KINGDOM)

10:30 - 12:00

**SICOT Instructional Symposium – My Favourite ACL Reconstruction**

**Moderators:** Steven ABELOW (UNITED STATES), Julio FERNANDES (CANADA)

**10:30** Technique 1
Steven ABELOW (UNITED STATES)

**10:38** Technique 2
Rene VERDONK (BELGIUM)

**10:46** Technique 3
Fabio SCiarretta (ITALY)

**10:54** Technique 4
Peter YAU (HONG KONG)

**11:02** Technique 5
Parag SANCHETI (INDIA)

**11:10** Technique 6
Sachin TAPASVI (INDIA)

**11:18** Technique 7
Stephen MCDONNELL (UNITED KINGDOM)

**11:26** Technique 8
Julio FERNANDES (CANADA)

**11:34** Technique 9
Vikas KHANDUJA (UNITED KINGDOM)

**11:42** Discussion
14:00 - 15:30

**SICOT Instructional Symposium — Advances in Arthroscopic Management of Hip and Knee Injuries**

**Moderators: Vikas KHANJUA (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?
   Julio 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 KHANJUA (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

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16:00 - 17:30

**Free Paper Session — What’s New in Chinese Microsurgery?**

**Moderators: Marko BUMBASIREVIC (SERBIA), Juyu TANG (CHINA)**

16:00 Reconstruction of huge soft tissue defect of limbs by combined transplantation of perforator flaps
   Juyu TANG (CHINA)

16:10 Clinical study of selective ipsilateral C7 transposition in the repair of C5 injury
   Junjian JIANG (CHINA)

16:13 Vascularised fibular head epiphysis transfer for growing lateral malleolus defect
   Wenjun LI (CHINA)

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

16:22 A review and reflection on the diagnosis and treatment of Neurogenic Thoracic Outlet Syndrome
   Zhan ZHANG (CHINA)

16:25 The design methods and clinical application of perforating propeller flap in lower limb
   Yi CUI (CHINA)

16:28 Aesthetic reconstruction of fingers with re-shaped 2nd toe in one-stage operation
   Yaping LIU (CHINA)

16:31 Repair of complicated extremities defects with multi-method chimeric transplantation or combined flow-though
   Xiaoju ZHENG (CHINA)

16:34 Clinical application of temporary ectopic implantation combined with anterolateral thigh flap for thumb reconstruction
   Jian HUANG (CHINA)

16:37 Transplantation of free metatarsophalangeal or proximal interphalangeal joint of the second toe with toe preservation for repair of traumatic digital arthritis
   Yi XU (CHINA)
08:40 Life in black or white? A case report for repairing annular tissue defect in middle finger with hallux wrap-around flap
Zhehui TU (CHINA)

09:11 Internal bracing of the coracoclavicular ligament in a recent acromioclavicular joint dislocation
Soliman HASSAN, Tahir ABDL-SATTAR, Ismail TAWFIK (EGYPT)

08:41 Early coverage of Grade IIIB tibial fracture tissue defect with modified latissimus dorsi musculocutaneous flap
Zheng-Bing ZHOU (CHINA)

09:19 Radiographic and ct characteristics of coronoid fractures and interobserver reliability of coronoid fracture classification
Paul CAMERON, H SYED, Marko VALSAMIS, Joildeep PHADNIS (UNITED KINGDOM)

08:42 One stage reconstruction of the open DPLU injury using the tendon graft
Jihai XU (CHINA)

09:27 Hydrodilatation for primary adhesive capsulitis: fluoroscopically assisted versus eco-guided
Petrea IFTIMIE, Joan Tomas GEBELLI, Noelia FONS, Ester BLANCH, Antonio BUÑUEL (SPAIN)

08:43 Solution of intraoperative difficulties during two-paddle anterolateral thigh flap harvest in treating complex soft tissue defect
Yipeng WU (CHINA)

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 JOGANI, Prashant KAMBLE, Shubhranshu MOHANTY, Tushar RATHOD (INDIA)

08:44 The proximal dominant complete severed quadrifinger of a 23-month-old infant was successfully replant: a case report
Yangjian WANG (CHINA)

09:43 Comparative evaluation of non-operative treatment modalities for frozen shoulder
Bushu HARNA, Dhananjaya SABAT (INDIA)

08:45 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)

10:00 - 10:00 Free Paper Session – Shoulder & Elbow 1

Moderators: Lee VAN RENSBURG (UNITED KINGDOM), Bhuwan MACHANI (UNITED KINGDOM)

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

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

08:15 Disappointing results with the Inspace® balloon spacer for failed-repaired/irreparable massive rotator cuff tears
Shoaib IQBAL, Sameer KHAN, Jaime CANDAL-COUTO, Dave CLOKE (UNITED KINGDOM)

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

08:23 Ultrasound assessment of supraspinatus tendon post antegrade interlocking nailing of the humerus
Hilal Salim AL-HOUSNI¹, Mohammed Zubair ALFAYADH², Mohd Razif Bin Mohd AL², Siew Hui TEO², Wuey Min NG², Brandon LEE²
¹(OMAN), ²(MALAYSIA)

10:50 Arthroscopic Bankart repair
Graham TYTHERLEIGH-STRONG (UNITED KINGDOM)

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

11:00 Arthroscopic treatment of multidirectional shoulder instability
Umer BUTT (UNITED KINGDOM)

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

11:10 SLAP repair? Should we do it?
Marc TOMPKINS (UNITED STATES)

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 KAJA, Vijay D SHETTY, Saurabh TALEKAR, Ashutosh DONGRE (INDIA)

11:20 Arthroscopic treatment of lateral epicondylitis
To be announced

08:55 Synthetic augmentation for massive rotator cuff tears
Asham JUDHI¹, Paul HARRINGTON¹, Ali ABDULKARIM², Mohammed AL-HAZMI³
¹(IRLAND), ²(UNITED KINGDOM), ³(SAUDI ARABIA)

11:30 Elbow arthroscopy in degenerative conditions of the elbow joint
In-Ho JEON (SOUTH KOREA)

09:03 Management of periarticular shoulder by supra-scapular nerve block versus platelet rich plasma
Alok Chandra AGRAWAL, Harshal SAKALE, Buddhadeb NAYAK, Sharma SANKALP, Mayank KUMAR (INDIA)

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

10:30 - 12:00 SICOT Instructional Symposium – Shoulder Arthroplasty

Moderators: Marius SCARLAT (FRANCE), Nuri AYDIN (TURKEY)

10:00 Examination of the shoulder arthroplasty patient
Osman Mert TOPKAR (TURKEY)

10:50 Arthroscopic Bankart repair
Ustun AYDINGOZ (TURKEY)

11:00 Arthroscopic treatment of multidirectional shoulder instability
Umer BUTT (UNITED KINGDOM)

11:10 SLAP repair? Should we do it?
Marc TOMPKINS (UNITED STATES)

11:20 Arthroscopic treatment of lateral epicondylitis
To be announced

11:30 Elbow arthroscopy in degenerative conditions of the elbow joint
In-Ho JEON (SOUTH KOREA)

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

11:50 Discussion
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 KAMINENI (UNITED STATES)

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

15:00 Arthroplasty for rheumatoid arthritis patients
Marina LIPINA (RUSSIA)

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

15:20 Discussion

16:00 - 17:30 Free Paper Session – Shoulder & Elbow 2
Moderators: Marko BUMBASIREVIC (SERBIA), Raed ABU TALEB (SAUDI ARABIA)

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 RIJAB AGHA, Tim MATTHEWS, Rhys WILLIAMS, Paul CARTER, Tessa BAILEY (UNITED KINGDOM)

16:16 A retrospective cohort study on surgical outcomes and complications following open reduction with internal fixation for radial head fractures
Hsiang-An LEE, Hao-Wen CHEN, Yi-Chen LI, Kuang-Ting YEH, Tsung Chiao WU, Meng-Ren HUANG (TAIWAN)

16:24 Do all anteromedial coronoid fractures require surgical fixation?
Paul CAMERON, H SYED, Joideep PHADNIS (UNITED KINGDOM)

16:32 Treatment of mild and advanced cases of elbow OA with arthroscopic debridement and intra-articular hyaluronic acid injections
Srinath KAMINENI, Sathyia ALLURI (UNITED STATES)

16:40 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 SERVIVEN, Laurent NOVE-JOSSEUARD (FRANCE)

16:48 Tranexamic acid versus placebo in shoulder arthroplasty: a meta-analysis of randomised controlled trials
Nedal Jaber ALKHATIB, Abdullah SAAD A. ABDULLAH, Abdulaziz AHMED, Mason ALNORI, Elhadi BABIKIR, Shamsi ABDUL HAMEED (QATAR)

16:56 Long term results of radialhead replacement – ‘when to do, how to do and what to do’
Anish AGARWALLA, Loveneesh Gopaul KRISHNA (INDIA)

17:04 Low incidence of scapular notching in uncemented trabecular metal reverse shoulder system – 7-year results
Ashwanth RAMESH1, Makram NAVNIT2, Kran RAMESH1, Andrés BAUMAN3, Makram SRINIVASAN4
1(INDIA), 2(UNITED KINGDOM)

17:12 A novel position for ante grade humeral nailing
Madhusudhan Kumar UMMADISETTY, Ahmed Sal Al JAHWARI (OMAN)

Infections | Friday, 6 December | Grand Ballroom C2

08:00 - 10:00 Free Paper Session – Infections 1
Moderators: Thamer HAMDAN (IRAQ), Alan NORRISH (UNITED KINGDOM)

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 ALFINI1, Morvarid ELAHI1, Bill FO02, Brian LEE1, Kimberle CHAPIN1, Penelope DENNETHY1, Michael KOSTER1, Pablo SANCHEZ1, Ian MICHELOW1
1(OMAN), 2(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 incorrigible 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 BACHMIEIER, 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, Udit UPADHYAYA, Hemanta Kumar BAMIIDI, 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
Syed ANWARUZZAMAN, Md Asraf UI MATIN (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
Alexander ARTEMIEV1, Ali KASHO0B1, Aleksander IVASHKIN1, Sameh Nageeb HADDAD1
1(RUSSIA), 2(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)

09:51 Arthroscopic debridement for necrotising fasciitis-disseminated septic shoulder as a life-saving infection control: a case report with literature review
Hao-Wen CHEN, Yi-Chen LI, Kuang-Ting YEH, Kuen-Huei LIN (TAIWAN)

10:30 - 12:00
SICOT Instructional Symposium – Periprosthetic Infection and Post-Traumatic Infection (I)

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

10:30 The algorithmic approach to diagnostics and treatment of prosthetic joint replacements
Rihard 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 Revision in one or two steps in infected arthroplasty
Amer ABDALLAH (LIBANON)

11:02 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)
Giorgio BURASTERO (ITALY)

11:10 Arthrodesis of the knee when and what to do
Ferdinando DA RIN DE LORENZO (ITALY)

11:18 Halting periprosthetic joint infection at the doorstep: what evidence do we have?
Gholam Hessain SHAHCHERAGHI (IRAN)

11:26 Discussion

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

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

14:00 - 15:30
SICOT Instructional Symposium – Post-Traumatic Infection (II) and Tuberculosis

Moderators: Ashok JOHARI (INDIA), Shanmuganathan RAJASEKARAN (INDIA)

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

14:08 Improving the local environment in the management of post-traumatic osteomyelitis
To be announced
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)

17:20 Uncorrelated pathogen revealed between deep and superficial culture in periprosthetic infection of calcaneus fracture: a case report with literature review
Kuang-Ting YEH, Hao-Wen CHEN, Yi-Chen LI, Meng-Ren HUANG, Chen-Chie WANG (TAIWAN)

Miscellaneous | Friday, 6 December | Grand Ballroom 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 Paradigm shifts in the standard of orthopaedic care due to influence of western technology in the Middle Eastern nations and Asia-Pacific
Shekhar KUMTA (HONG KONG)

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 Agustin 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: to be announced**
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)

08:39 The publisher’s point of view
Gabriele SCHROEDER (GERMANY)

08:51 Reviewers, writers and quality of expression — what makes a good journal?
Cyril MAUFFREY (UNITED STATES)

09:03 Impact and citations, what is the power of a journal
Syed Muhammad AWAI (PAKISTAN)

09:15 Visibility and quality of a research paper: what tools do we use?
Yong Cheng HU (CHINA)

09:27 Fraud and misconduct in medical writing
Andreas MAVROGENIS (GREECE)

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?
Phllipe HERNIGOU (FRANCE)

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

10:54 My preferred method to review a paper
All CHAMSSEDA (EBANON)

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)

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: Mohammed DARWISH (OMAN), Guenter LOB (GERMANY)

16:00 Road safety in Oman
To be announced

16:13 The WHO decade of action for road safety 2011–2020
Onder AYDINGOZ (TURKEY)

16:26 New technologies to prevent RTI: tools to support this public political issue
Marcos MUSAFIR (BRAZIL)

16:39 The role of Oman and BJD in global road safety and its positive impact at the UN and the resolutions afforded
To be announced

16:52 To be announced
Lewis ZIRKLE (UNITED STATES)
The experience of a national Iranian traffic knowledge development

Amirmohammad NAVALI (IRAN)

17:05 RTI in Saudi Arabia: impact and ways of prevention

Hazem ALKHAWASKI (SAUDI ARABIA)

17:18 To be announced

Hans-Christoph PAPE (SWITZERLAND)
10:30 - 12:00

SICOT Instructional Symposium — TKA in Young Active Patients

Moderators: Maximilian RUDERT (GERMANY), Darlush SAVADKOOGHI (IRAN)

10:30 Unicompartment replacement: indications
Sachin TAPASVI (INDIA)

10:38 Patellofemoral replacements: current scenario
Amer ABADALLAH (LEBANON)

10:46 Bi-cruciate replacements
To be announced

10:54 Revising the uni: what are the outcomes?
Shrinand V VAIDYA (INDIA)

11:02 TKR in the young patient: what can we expect?
Aree TANAVALEE (THAILAND)

11:10 Registry data on total knee arthroplasty in the young: what does it say?
Emilio ROMANINI (ITALY)

11:18 Role of vitamin E poly in survivorship of total knee arthroplasty
Maximilian RUDERT (GERMANY)

11:26 Does choice of surface coatings influence outcomes of TKA?
Matthew MORREY (UNITED STATES)

11:34 Role of technology in TKA in the young patient: do they improve outcomes?
Mojib MANZARY (SAUDI ARABIA)

11:42 Discussion

14:00 - 15:30

SICOT Instructional Symposium — Complex TKR

Moderators: Ashok RAJGOPAL (INDIA), Shrinand VAIDYA (INDIA)

14:00 Management of flexion deformity
Hemant WAKANKAR (UNITED STATES)

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 RAJGOPAL (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: Sureshivan SIVANANTHAN (MALAYSIA), Vijay SHETTY (INDIA)

16:00 Tourniquet versus no tourniquet in total knee arthroplasty
Junaid KHAN, Riaz AHMED (PAKISTAN)

16:08 Comparison of postoperative analgesic effect between interspace between the popliteal artery and the capsule of the posterior knee and periarticular multimodal drug injection in total knee arthroplasty
Seung-Suk SEO, Hyo-Jong NAM (SOUTH KOREA)

16:16 Sleep pattern disturbances in patients undergoing total knee arthroplasty
Hitash MANGUKIYA, Sharan PATIL, Ravikumar MUKARTIHAL (INDIA)

16:24 Functional performance after physiotherapy in robotic-arm assisted versus conventional total knee arthroplasty in a female outpatient set up: a retrospective cohort study
Rashmi M KALAYIL, Pramod DIVAKARA SHENOY, Roy MATHEW, Sharon FILIO MENDEZ, Chandra YER, Mohammed Mubarak AL ATEEQ AL DOSARI, Shamal ABDUL HAMEED, Aissam ELMIHREGH, Arun SAMUEL AUGUSTINE (QATAR)

16:32 Foot loading pattern and hind foot alignment are restored in varus knees following total knee arthroplasty: a pedobarographic analysis of 121 knees
Bhaskara Kanakshwar RAJA, Rajkumar NATESAN, P DHANASEKARA RAJA, Rajasekaran SHANMUGANATHAN (INDIA)

16:40 Comparison of effectiveness of intra-articular, intravenous and topical wash tranexamic acid in total knee arthroplasty
Jatin PRAKASH (INDIA)

16:48 Can we predict leg length change (LLC) after unilateral total knee arthroplasty (TKA)?
Ahmed KHALIFA¹, Ahmed KHALIFA¹, Abanoub GENDY¹, Hatem BAKR², Ahmed AHMED¹, Yaser KHALIFA², Ahmed ABDEL AAL¹,
Arun MULLAJI²
¹(EGYPT), ²(INDIA)

16:56 Epsilon-aminocaporic acid versus tranexamic acid in total knee arthroplasty: a meta-analysis study
Raees VANKER (UNITED KINGDOM)

17:04 Effect of dexamethasone and fluid therapy on early post-operative postural hypotension after total knee arthroplasty
Hui Min Gloria CHENG, Muhammad Fadzil KAMARUDIN, Wei Wen Bryan LEE, Jia Min Julia CHENG, Guoping Kelvin TAN (SINGAPORE)

17:12 What is the real reason of pain after primary TKA?
Valeriy Y. MURYLEV, Semen ALEXEEV, Pavel ELIZAROV, Grigori KUKOVENKO, Alexey DERING (RUSSIA)
08:00-10:00

**Free Paper Session — Spine 3**

**Moderators:** Thami BENZAKOUR (MORROCO), Dadi JIN (CHINA)

**08:00**

**Keynote lecture:** to be announced

*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 AHMAD³, Aakash AGARWAL², Loai AKER¹*

¹(PALESTINE), ²(UNITED STATES)

**08:23**

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, Rajasekaran SHANMUGANATHAN, 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

*Sitthirat THONGSUKKAEO, Pawin GAJASENI, Chaisiri CHAIChANKUL (THAILAND)*

**08:47**

SULT1C2-A -miR-466c-5p-Foxo4 in congenital scoliosis

*Chong CHEN, Yunbing CHANG, Guoyan LIANG, Qiujian ZHENG (CHINA)*

**08:55**

Neurological deficit in delayed presentation of congenital vertebral deformities (CVD) – an analysis of risk factors and surgical outcome

*Rajesh RAJAVELU, Ajoy PRASAD SHETTY, Rishi Mugesh KHANNA, Rajasekaran SHANMUGANATHAN (INDIA)*

**09:03**

The association between subjective health related quality of life outcomes and objective pulmonary function testing

*David Price ROYE JR., Gerard MARCIANO, Hiroko MATSUMOTO, June HA, Klane WHITE, Gregory REDDING, Scott LUHMANN, Sumeet GARG, Study Group CHILDREN'S SPINE, Study Group GROWING SPINE (UNITED STATES)*

**09:11**

Comparison of dual surgeon versus single surgeon approach for scoliosis surgery: a systematic review and meta-analysis

*Joshua HAYES, Iain FEELEY, Kyle BORAIN, Conor O'BRIEN, Conor GREEN (IRELAND)*

**09:19**

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, Andriy NOSHCHENKO, Evalina BURGER (UNITED STATES)*

**09:27**

Outcome of minimally invasive scoliosis surgery in adolescent idiopathic scoliosis

*Jawad SALEEM, Shahid ALI, Atiq DURRANI (PAKISTAN)*

**09:35**

Long-term evaluation of fusion rates in thoraco-scope-assisted minimal invasive (MIS) anterior interbody spinal fusion

*Nirmal PATIL¹, Hussien EL GHAIT¹, Heinreich BOEHM²*

¹(INDIA), ²(EGYPT), ³(GERMANY)

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**10:30 - 12:00**

**SICOT Instructional Symposium — Motion Preservation**

**Moderators:** Christopher KLECK (UNITED STATES), Arvind BHAVE (INDIA)

**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**

Lumbar technique: patient selection, surgical pearls and pitfalls

*Youssry ELHAWARY (EGYPT)*

**11:18**

Lumbar dynamic templating with finite element modelling

*Christopher CAIN (UNITED STATES)*

**11:30**

Cervical technique: patient selection, surgical pearls and pitfalls

*Ahmed AL JAHWARI (OMAN)*

**11:42**

Motion preservation successes and failures

*Vikas PATEL (UNITED STATES)*

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**14:00 - 15:30**

**SICOT Instructional Symposium — Thoracolumbar Deformity**

**Moderators:** Christopher CAIN (UNITED STATES), Azmi HAMZAOGLU (TURKEY)

**14:00**

Standard of care/current status of treatment/safety

*John DORMANS (UNITED STATES)*

**14:11**

Update on measurements, parameters, goals of surgery

*Christopher KLECK (UNITED STATES)*

**14:22**

Early onset scoliosis and current treatment methods

*Alaa AHMAD (PALESTINE)*

**14:33**

Spinal tethering surgery in scoliosis treatment

*Mohammad DIAB (UNITED STATES)*

**14:44**

Management of post-tuberculosis spinal deformity

*Rohit AMRITANAND (INDIA)*

**14:55**

Advanced techniques: osteotomies

*Evalina BURGER (UNITED STATES)*
15:06 Advanced techniques: vertebrectomy
   Azmi HAMZAOGLU (TURKEY)

15:17 Advanced techniques: navigation, robotics, etc
   Lin CONG (CHINA)

16:00 A comparative analysis of bone strain in pullout vs toggle pedicle screw testing
   Christopher CAIN, Michaela POTT, Reed AYRES, Michelle AKIYAMA, Todd BALDINI, Zachary WUTHRICH, William MCCLELLAN, Vikas PATEL, Evalina BURGER, David OU-YANG, Nolan WESSEL, Christopher KLECK (UNITED STATES)

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 TIMO¹, Heikki KROGER¹, Ville LEINONEN¹, Hannu MIETTINEN¹, lina 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 transforminal lumbar interbody fusion (TLIF) in spondylolysis
   Sakeb NAJMUS (BANGLADESH)

16:32 Association of lumbar spinal stenosis with disability or mortality among community-dwelling older adults: the Locomotive Syndrome And Health Outcomes In The Aizu Cohort Study (LOHAS)
   Yasukazu HIJIKATA (JAPAN)

16:40 Surgical outcome of decompression and fixation of degenerative lumbosacral spondylolisthesis surgery in a Pakistani population
   Muhammad TAHIR, Lal REHMAN, Ali AZMAL (PAKISTAN)

16:48 How useful is sedimentation 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, Yoshiki YAMANO (JAPAN)

17:04 Application of cervical arthroplasty using Mobi-C for cervicalspondylotic radiculopathy
   Dadi JIN, Huibo YAN (CHINA)

17:12 'AJMI' grading system for cervical myelopathy
   Qasim AJMI (UNITED KINGDOM)
11:00 To evaluate the functional outcome of platelet rich plasma infiltration in plantar fasciitis
Pankaj Kumar SHARMA, Raj POTALIA (INDIA)
11:05 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, Solgol GOLSHAN, Mohammad Hosein EBRAYIMZADEH (IRAN)
11:10 Peroneal tendon dislocation in talus fractures and diagnostic value of fleck sign
Ahmed ATTIA, Karim KHAMIS, Tarek TAHA, Osama ALDAMEESHEH, Maged MEKHAIMAR (QATAR)
11:15 Ten years post compression arthrodesis in infected diabetic Charcot ankle joint
Ahmad ALLAM (EGYPT)
11:20 Management of acute Achilles tendon rupture with tendon-bundle technique
Yunfeng YANG, Bing Li (CHINA)
11:25 Treatment options for unstable ankle fractures in older adults: a systematic review and meta-analysis
Carin Wigley, Andrew GRAZETTE, Andrew METCALFE (UNITED KINGDOM)
11:30 Correction of valgus-external rotation deformity in neglected fractures of the ankle
Satya Ranjan PATRA, Dibya Singha DAS, Naresh Kumar PANIGRAHI, Manoj MADINI, Udit UPADHYAYA, Indranil DEY, Siddhartha Shankar MOHANTY, Hemanta Kumar BAMIDI (INDIA)
11:35 Displaced intra-articular calcaneal fractures – open reduction and internal fixation versus primary subtalar fusion: a retrospective cohort study
Brady BONNER, William BRYCESON, Arvind PURI (AUSTRALIA)
11:40 To weight-bear or not to weight-bear? The ankle fracture fixation question
Jonathon BLACK (UNITED KINGDOM)
11:45 Platelet rich plasma for treatment of osteochondral lesions of the talus: a systematic review of clinical trials
Oliver Emmanuel YAUSEP¹, Sameera ABAS², Madhi IMAD², Dionysois TRIGKILIDAS² ¹(INDONESIA), ²(UNITED KINGDOM)
11:50 An evaluation of regional anaesthesia in patients undergoing foot surgery
Bryan LOH, Nicholas Eng Meng YEO, Sze Ying THONG (SINGAPOR)
11:55 Regardless of the previous physiotherapy, ESWT is effective in the treatment of plantar fasciitis in the midterm
Marcin DOMZALSKI, Joanna KAPUSTA, Patrycja SZKUTNIK, Ilona WAGNER-OLSZEWSKA (POLAND)

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10:00 - 12:00
Short Free Paper Session—Foot & Ankle

Moderators: Philipp FUNOVICS (AUSTRIA), Rupinder DEOL (UNITED KINGDOM)

10:30 2-5 year results after minimally invasive reconstruction of the Achilles tendon with semitendinosus 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 KRZYŚZTOF, Tomasz BARTŁOMIEJ, Milczarek JULIA, Domzalski MARCIN (POLAND)
10:40 Timing of surgical reduction and stabilisation of talus fracture-dislocations
Manoj MITTAL (INDIA)
10:45 Functional outcome of single-stage correction of paralytic rigid equinovarous deformities
Deepak SHARAN (INDIA)
10:50 Weber-TCNC-arthrodesis - ultima ratio in different talar pathology
Michael WEBER (UNITED ARAB EMIRATES)
10:55 Observation on the curative effect of calcaneal longitudinal osteotomy in the treatment of malunion of calcaneal fracture
Chun-Guang LI, Xiang Yang XU (CHINA)
11:00 Retrograde drilling and autologous cancellous bone grafting technique for osteochondral lesion of the talus
Guangrong YU (CHINA)
11:05 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, Solgol GOLSHAN, Mohammad Hosein EBRAYIMZADEH (IRAN)
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14:00 - 15:30
Short Free Paper Session—Tumours

Moderators: Michael PETERSEN (DENMARK), Milan SAMARDZISKI (MACEDONIA)

14:00 Luminic endoprosthetic reconstruction after periacetabular tumour resection: mid-term results
Bulent EROL, Evrim SIRIN, Mert Osman TOPKAR, Fevzi SAGLAM, Said Erkam BAYKAN, Servet IGREK (TURKEY)
14:05 Non-vascularized fibular strut grafting in benign lytic lesion of proximal femur
Manoj MADINI, Hemanta Kumar BAMIDI, Satya Ranjan PATRA, Dibya Singha DAS, Naresh Kumar PANIGRAHI, Indranil DEY, Udit UPADHYAYA, Siddhartha Shankar MOHANTY (INDIA)
16:10 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, Yasuori TOME1
¹(JAPAN), ²(UNITED STATES)

16:15 Osteoblastoma in children and adolescents: analysis of 57 patients
Anton FRANTOV, Gennady BERCHENKO, Ilya KRAVYETS
(RUSSIA)

16:20 Outcomes of minimally invasive spine surgery for spinal metastasis
Amith Ram RAMASAMY, Karthik KAILASH (INDIA)

16:25 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)

16:30 50 cases experience in treatment aneurysmal bone cysts treated by extended curettage, cryosurgery and bone grafting
Osman Abd Elah MOHAMED (EGYPT)

16:35 Recurrence rate after treatment of aneurysmal bone cyst with intralesional procedures and adjuvant therapy at paediatric age group
Mohammad AL-ALWAN (JORBad)

16:40 Free fibula reconstruction of distal tibial osteoarticular defects after sarcoma surgery
Bulent EROL, Evrim SIRIN, Ozgur BAYSAL, Fevzi SAGLAM, Said Erkam BAYKAN, Servet IGREK (TURKEY)

16:45 Low-dose zoledronate for local delivery to patient-derived spinal bone metastasis secondary to lung cancer
Elle AKOURY, Pouyan AHANGAR, Ana Sofia RAMIREZ GARCIA LUNA, Michael WEBER, Derek ROSENZWEIG (CANADA)

16:50 Mixed bone grafting (autograft + hydroxyapatite crystals) in the management of benign lytic lesions of bone: a prospective study
Iftekhar ANSARI (INDIA)

16:55 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 ROUS (ALGIERIA)

17:00 Management of giant cell tumor of lower third tibia with curettage and reconstruction by cementation and locking plate: a case report
Vipul SHET, Eknath PAWAR, Amit YADAV, Akash SARAOGI, Ankit MARFATIA, Sandeep GAVHALE (INDIA)

17:05 Does virtual reality simulation have a role in training trauma and orthopaedic surgeons?
Raymond MCKENNA, Dessie GIBSON, John WONG-CHUNG (UNITED KINGDOM)

17:10 Internal bracing of quadriceps tendon ruptures: a novel technique for primary repair
Martina FAIMALJ, Khan SHAHNAWAZ, Kifan 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 NAMSAKAR, Aditya RAJ, Nandan MARATHE, Saurabh CHAUDHARI (INDIA)

17:20 Arthroscopic management of giant synovial osteochondromatosis of the knee joint
Samundeevar SASEENDAR, Sasenendar SHANMUGASUNDARAM²
¹(INDIA), ²(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 MUNIDASA (SRI LANKA)

16:15 Less than 9.5mm coracohumeral distance predicts for subscapularis tear
Kilian RUECKL, Stefan HERZ, Mohammed EI TABBAKHI, Thomas REICHEL, Thorsten BLEY, Piet PLUMMHOFF (GERMANY)

16:20 Alternations in serratus anterior electromyographic activity in preadolescents swimmers with a history of shoulder pain
Marcin DOMZALSKI, Joanna KOWALSKA, Patrycja SZKUTNIK, Magdalena FRONCZEK-WOJDEGOWSKA, Karolina KOPACZ, Gianluca PADULA (POLAND)

16:25 Injuries in underwater rugby
Max Daniel KAUTHER, Felicitas MINNEMANN, Manuel BURGOF, Christine POLAN, Lothar MEYER, Felix REINECKE, Kai GÖDDE, Marcel DUDDA (GERMANY)

16:30 Anthropic correlation with hamstring graft size in anterior cruciate ligament reconstruction among male patients: a prospective cohort study
Ghalib AHMED AL-HANEEDI, Isam MOHAMIS, Youcef ABDOUDEH, Ali DARWICHE, Ali Ateeq Al Dosari MOHAMMAD, Talal IBRAHIM (QATAR)

16:40 Incidence of venous thromboembolism post hip arthroscopy
Terin THOMAS, Ravindra GUDENA (UNITED KINGDOM)

16:45 Postoperative bracing, reduce ACL rupture rates
Arjun NAIK, Bishwaranjan DAS, Yogesh 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 MUNIDASA (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
Matjaz SAJOVIC (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 Arthroscopic management of giant synovial osteochondromatosis of the knee joint
Samundeevar SASEENDAR, Sasenendar SHANMUGASUNDARAM²
¹(INDIA), ²(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 MUNIDASA (SRI LANKA)
17:30 Arthroscopic simulator
Ahmed Yousry SABER¹, Hassan ELSAYED¹, Mohamed TAHÂ¹,
Shinil KOSHY¹, Maged SHAHIN¹, Walid HUSSEIN¹
¹(UNITED KINGDOM), ²(EGYPT)

17:35 Meniscal root repair
Amr OMR (EGYPT)

Tumours / APOA / ARTOF | Friday, 6 December | Meeting Room 9

08:00 - 10:00
Free Paper Session – Tumours
Moderators: Joseph Benevenia (UNITED STATES), Maximillian Rudert (GERMANY)

08:00 Keynote lecture: What is next after resection of bone sarcomas?
Bulent 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, Rajasekar SHANMUGANATHAN (INDIA)

08:31 Surgery of femoral metastasis: result of selecting procedures based on patient prognosis
Hiroya KATAGIRI, Atsushi TANAKA, Hideki MURATA, Junji WASA, Michihito MIYAGI, Mitsuru 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 VERTEISCHI, Gerhard HOBUSCH, Joannis PANOTOPoulos, Reinhard WINDHAUSER (AUSTRIA)

08:47 90-day complications after surgery for spinal tumours
Mohammed MAHBOUB¹, Omid JALALI², Blake FORMANEK², Zorica BUSER², Jeffrey WANG²
¹(SUDAN), ²(UNITED STATES)

08:55 Improved virtual surgical planning with 3D-multimodality image for malignant giant pelvic tumours
Fang XIANG, 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 WENNERGRENS, 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
Carine ZOCCALI, Jacopo BALDI, Luca CANNAVÒ, Alessandra SCOTTO DI UCCIO, Roberto BIAGINI, Alessandro LUZZATI, Gennaro SCOTTO (ITALY)

09:27 Retrospective and prospective study of giant cell tumor of bone: multimodal approach
Kritesh MISHRA, Mudit SHAH (INDIA)

10:30 - 12:00
SCIOT Instructional Symposium – Tumours
Moderators: Pietro RUGGIERI (ITALY), Salim AL-BUSAIIDI (OMAN)

10:30 Definition of oligometastasis: the literature
Nedim AYTEKIN (TURKEY)

10:45 Principles of treatment of skeletal oligometastasis
Pietro RUGGIERI (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

14:00 - 15:30
Partner Society Symposium – APOA: Injuries around the Hip Joint
Moderators: Hitesh GOPALAN (INDIA), 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 Fracture neck 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 CHOO (MALAYSIA)

15:12 Discussion

16:00 - 17:30
Partner Society Symposium – ARTOF: Trends in Trauma and Orthopaedics: Focus on Digital Health
Moderators: Marc HANSCHEN (GERMANY), James WADDELL (CANADA)

16:00 Digital health in trauma and orthopedics: where are we, where do we want to go, and how do we do it?
Marc HANSCHEN (GERMANY)

16:15 Emergency care and trauma surgery: what can we expect in the next five years?
Roman PFIEFER (SWITZERLAND)
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

08:00 - 10:30
Instructional Course – Dry Shoulder Arthroscopy Lab
Instructors: Fabiano PALAURO (BRAZIL), Raed ABU TALEB (SAUDI ARABIA), Ayrton MARTINS NETO, Ahmed KHATER (EGYPT)
(For course details see page 13)

14:00 - 16:30
Instructional Course – Dry Shoulder Arthroscopy Lab
Instructors: Ahmed KHATER (EGYPT), Santosh SAHANAND (INDIA), Deepak BHATIA (INDIA), Leonardo DAU (BRAZIL)
(For course details see page 13)

Knee-Shoulder Cadaver Lab | Friday, 6 December | Sultan Qaboos University Hospital

08:00 - 12:00
Instructional Course – Knee Arthroscopy Cadaver Lab
Moderators: Leonardo DAU (BRAZIL), Ayman AL-AMRY (OMAN), Fernando ROSA (BRAZIL)
Instructors: Ahmd KHATER (EGYPT), Santosh SAHANAND (INDIA), Ahmed MALHAT (EGYPT), Leonardo DAU (BRAZIL)
(For course details see page 13)

13:00 - 17:00
Instructional Course – Shoulder Arthroscopy Cadaver Lab
Moderators: Ayman AL-AMRY (OMAN), Ahmed KANDIL (EGYPT)
Instructors: Ayman AL-AMRY (OMAN), Ahmed KANDIL (EGYPT)
(For course details see page 13)

Trauma | Saturday, 7 December | Auditorium

08:00 - 10:00
SICOT Instructional Symposium – Delayed Presentation
Moderator: Phillip STAHEL (UNITED STATES)
08:00  Incidence of delayed presentation in Europe
       Jordan SAVESKI (MACEDONIA)
08:10  Delayed presentation in India
       Vivek TRIKHA (INDIA)
08:20  Delayed presentation of urban terrorism injured patients with multiple injuries: 35 years experience
       Moshe SALAI
08:30 Delayed presentation of isolated fractures: open and closed
Vivek TRIKHA (INDIA)

08:40 Road traffic fatalities: issues and recommendations
Thami BENZAKOUR (MOROCCO)

08:50 Prevention and treatment of post-traumatic infection
Khaled EMARA (EGYPT)

09:00 Delayed presentation in polytrauma patients
Philip STAHEL (UNITED STATES)

09:10 Delayed presentation of compartment syndrome
Reinhard SCHNETTLER (GERMANY)

09:20 Discussion

10:30 - 12:00
Free Paper Session – Trauma 4

Moderators: Ram SHAH (NEPAL), Sanjay KESHKAR (INDIA)

10:30 Suprapatellar 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,
Asdgigh DER-BOGHOSSIAN, Ali RTEIL, Wassim MOURAD, Said
SAGHIEH (LEBANON)

10:46 Minimally invasive surgery for calcaneal fractures using, bioresorbable
cannulated HA/PLLA screws
Takuya USAMI, Inamoto SHOUGO, Oota KYOUHEI, Takada
NAOYA, Sekiya ISATO (JAPAN)

10:54 The use of anatomical locked plate as an external fixator for Schatzker
(VI) fractures
Rafid AL ADHAB (IRAQ)

11:02 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)

11:10 Complications associated with plate fixation of distal fibular fractures
J. Turner VOSSELLER, Henrik BACKER, Justin GREISBERG
(UNITED STATES)

11:18 Surgical treatment of comminuted intraarticular distal radius fracture
with external fixation: functional outcome and short term follow up
Mohammed AL-SAIFI, Khaled WAILEM, Anwar MUGHALIS,
Mohammed SAIDHAN (YEMEN)

11:26 Outcomes following conservative versus surgical treatment in
displaced distal radius fractures
Daniel OLTEAN DAN, Ana Diana BILOUS, Mihai Gheorghe
PAUSAN, Petronela Maria PAUSAN, Christian Paul DANN,
Ciprian Alin BARDA, Horea Rares Ciprian BENA, Gheorghe
TOMOGAIA (ROMANIA)

11:35 The outcome of deltoid ligament repair in ankle fractures: a meta-
analysis
Maged MEKHAMAR, Motasem SALAMEH, Abduljabbar
ALHAMOUD, Nidal ALKHATIB, Ghalib AHMED, Karim MAHMOUD
(QATAR)

10:30 - 12:00
Free Paper Session – Hip 4

Moderators: Vane ANTONIC (SLOVENIA), Bassel EL-OSTA (LEBANON)

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
SHANAGHIAN (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 RAJNISH (INDIA)
10:54 Hip muscle strength and gait speed after hip surgery for the treatment of osteoarthritis of the hip in adult: THA versus RAO
Tetsuya ENISHI, Ryosuke SATO, Shinji YOSHIOKA, Masaru NAKAMURA, Shunji NAKANO (JAPAN)

11:02 Is ‘safe surgical dislocation of the hip’ really safe? Our experience
Praevent RAMIA, Govardhan Goud (INDIA)

11:10 Pelvic obliquity after total hip arthroplasty: is it correctable completely?
Darliush GOURAN SAVIDKOOGHI, Babak SIAVASHI, Ehsan PENDAR, Mohamadjavad ZEHTAB, Siavash 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 BODDU, Robert BUTCHER, Oliver SHAstri, James 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, Teppai MURAI, Koji ODA, Kazutaka YASUI, Naoki KURNOMARU, Toshiki IWAMOTO, Hidetoshi TANAKA, Satoshi OKABE (JAPAN)

11:50 Is hip arthroscopy cost-effective for the treatment of femoroacetabular impingement (FAI)? A systematic review of economic evaluations
Halham SHOMAN (UNITED STATES)

Osteoporosis | Saturday, 7 December | Grand Ballroom A2

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 (JORDAN)

10:38 ‘Hand on hip sign’: a novel sign and diagnostic tool in piriformis syndrome
Sadiq MOHAMMED, Azher Hussain SYED, Nayeemuddin MOHAMMED (INDIA)

10:46 Opioid dose affects increase LOS
Salahab AYAD, Philip PAIRON, Faris HADDAD (UNITED KINGDOM)

10:54 Quality of life after amputation in patients with advanced regional pain syndrome—a systematic review
Brijesh AYYASWAMY, Saed 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, Dilbya Singha DAS, Hemanta Kumar BAMIUDI, 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
Gunjar JAID, Vijay SHARMA (INDIA)

11:18 Factors affecting bone mineral density in an Indian adult population and their response to therapy
Kiran Kumar Vedavasya ACHARYA, Sashitemjen AIER (INDIA)

11:26 Does sarcopenia increase the risk of fresh vertebral fragility fractures? A case control study
Viyom SHARMA, Shahnuganathan RAJASEKARAN, Ashish ANAND, Ajay SHETTY, Rishi Mugesh Kanna P (INDIA)

11:34 When to do biopsy in benign looking osteoporotic fractures radiological and clinically
Vijay Kumar KHRIWI, Sadhna GARG (INDIA)

11:42 Efficacy and safety of once-yearly zoledronic acid administration for the super elderly—short-term results
Hitoshi TANIGAWA, Kosei ANDO, Ryo NAKAJIMA, Masato TANEMURA, Shinji IMAI (JAPAN)

Soccer / Emerging Technology | Saturday, 7 December | Grand Ballroom A3

Free Paper Session – Pain/Osteoporosis
Moderators: Sohrab KEYHANI (OMAN), Hamldreza YAZDI (OMAN)

08:00 Prevention of orthopaedic lesions in football
Mohammed RAZI (IRAN)

08:12 Being a team physician in professional football: pearls and pitfalls
Diego MAZIEL (EGYPT)
Women’s professional football: the next big thing  
Rodrigo MONTIEL (BRAZIL)

The 2022 FIFA World Cup, Qatar: the role of orthopaedic surgeons  
Khalid AL-KHELAIFI (QATAR)

Team doctor and orthopaedic surgeon working hand in hand  
Alejandro ALVAREZ MESA (QATAR)

For and against we stand: a crossfire on controversies in football lesions and professional football players (round table)

Microsurgery | Saturday, 7 December | Grand Ballroom C1

Free Paper Session — Emerging Technology

Moderators: Vaibhav BAGARIA (INDIA), Ajeya ADHIKARI (UNITED KINGDOM)

10:30-12:00 Computer assisted live navigation for glenoid baseplate fixation in severe glenoid bone loss during reverse shoulder arthroplasty  
Inayat PANDA¹, Mark HABER²  
¹(INDIA), ²(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, Jenni 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  
Sreshth Kadar 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 FIACHARA, Fares HADDAD (UNITED KINGDOM)

11:18 Accuracy of implant positioning in robotic arm-assisted primary total knee replacement versus conventional jig based TKR  
Balu C BABU, Jai 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 Robotic UKA — are we getting it right at last?  
Mohan THADI (INDIA)

11:50 3D printing and 3D models as a part of preplanning for complex total hip arthroplasty  
Kalaivanan KANNIYAN, Shantanu PATIL (INDIA)

11:58 An ultrasound image-based surgical navigation using deep learning network for a bone cyst surgery  
Ilhyung PARK, Sanghyun JOUNG, Chul-Woo PARK (SOUTH KOREA)

SICOT Instructional Symposium — Use of Microsurgery in Orthopaedic Trauma

Moderators: Marko BUMBASIREVIC (SERBIA)

08:00 Importance of microsurgery in solving of difficult problems in traumatised limbs  
Marko BUMBASIREVIC (SERBIA)

08:07 Osteoperiosteal microvascular bone grafting  
To be announced

08:14 FVFGS  
Konstantinos MALIZOS (GREECE)

08:21 Free vascularised fibular graft, harvest technical details and different indications  
Ahmed ADDOSOOKI (EGYPT)

08:28 Damage control and reconstructive microsurgery applied in salvage of mangled limb  
Qing-Tang ZHU (CHINA)

08:35 Management of finger tip injury/distal finger amputation  
Margaret FOK (HONG KONG)

08:42 Surgical management of ring fingers  
Fabian MOUNGONDO (BELGIUM)

08:49 VBGS for scaphoid  
Konstantinos MALIZOS (GREECE)

08:56 Microsurgical approach in complex traumas of the lower leg  
Alexandru GEORGESCU (ROMANIA)

09:03 To be announced  
Panayotis SOUCACOS (GREECE)

09:10 Microsurgical reconstruction of major heel defects, lessons and pitfalls  
Mohamed ELLABBAN (EGYPT)

09:17 Discussion

SICOT Instructional Symposium — Use of Microsurgery in Orthopaedic Tumour Surgery

Moderators: Pietro RUGGERI (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 Revascularized fibular graft and external fixation after resection of limb bone sarcomas
To be announced

11:06 Segment forearm amputation followed by replantation for treatment of radius osteosarcoma
Qing-Tang ZHU (CHINA)

11:18 Microsurgical treatment of different tumour cases in orthopaedic surgery
Albert LAM (HONG KONG)

11:30 Nerve transfers in the upper extremity
Ramzi MOUCHARAFIEH (LEBANON)

11:42 Discussion

WAIOT | Saturday, 7 December | Grand Ballroom C2

08:00 - 10:00
Partner Society Symposium — WAIOT: Clinical Pathways and MSI in the Middle East and Surrounding Countries (I)

Moderators: Ashok JOHARI (INDIA), Guenter LOB (GERMANY), Thami BENZAKOUR (MOROCCO)

08:00 Early diagnosis of musculo-skeletal infection is mandatory for a complete recovery - lost time = lost chance of healing
Guenter LOB (GERMANY)

08:08 Treatment of osteomyelitis in the pediatric age
Ashok JOHARI (INDIA)

08:16 Microbiological sampling and processing in orthopaedics
Lorenzo DRAGO (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 ALIKADZHAB (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 KORNHA (EGYPT)

09:22 Discussion

10:30 Infection in sicklers
Thamer HAMDAN (IRQ)

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 PJI: 30 years of personal experience at one institute (SFH)
Saleh ELNOUR (SAUDI ARABIA)

11:02 Difficulties in managing PJI: 12-year review of Egyptian community arthroplasty registry
Mahmoud HAFEZ (EGYPT)

11:10 Early infection after hip fracture internal fixation: experience in Jazan Province, KSA
Zinat KHIRED (SAUDI ARABIA)

11:18 Management of MSI with bone loss with Masquelet technique: Tunisian experience
Sofiene KALLEL (TUNISIA)

11:26 Versatility of Ilizarov principles in post-traumatic femoral infection
Mohamed FADEL (EGYPT)

11:34 Uses of bone transport on bone loss and infection
Saleh ALHABBY (SAUDI ARABIA)

11:42 Discussion

SOFCOT / Miscellaneous | Saturday, 7 December | Grand Ballroom C3

08:00 - 10:00
Partner Society Symposium — SOFCOT: Hip Osteonecrosis

Moderators: Phillipe CHIRON (FRANCE)

08:00 What every surgeon should know
Phillipe CHIRON (FRANCE)

08:10 Survey results on AVN in France
Arthur JUSTO (FRANCE)

08:20 Outcomes following core decompression for AVN
Vikas KHANDUJA (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)
Knee / Enhanced Recovery & Outpatient Arthroplasty | Saturday, 7 December | Junior Ballroom A

08:00 - 10:00

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?
Sachin TAPASVI (INDIA)

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
Dariush SAVADKOOGHI (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

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
Jesse 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
Jon CONROY (UNITED KINGDOM)

11:25 Current concept: blood loss management for the surgeon
Julio FERNANDES (CANADA)

11:35 Panel discussion: case review and hospital preparation for outpatient joint arthroplasty
**Young Surgeons Committee / Spine** | **Saturday, 7 December** | **Junior Ballroom B**

**08:00 - 10:00**

**Young Surgeons Committee Symposium – Difficult Case Discussions in Spine Surgery**

**Moderators:** Cody BUNGER (DENMARK)

**Expert panel**

- **Cody BUNGER** (DENMARK)
- **Jong-Beom PARK** (SOUTH KOREA)
- **Vikas PATEL** (UNITED STATES)
- **Yasutsugu YUKAWA** (JAPAN)
- **Nalli R UVARAJ** (INDIA)
- **Hanny ANWAR** (UNITED KINGDOM)
- **Vijay KAMATH** (INDIA)

**08:00** Case 1

- **Aju BOSCO** (INDIA)

**08:14** Case 2

- **Efe Levent ARAS** (DENMARK)

**08:28** Case 3

- **Cengiz ISIK** (TURKEY)

**08:42** Case 4

- **Meng-Huang WU** (TAIWAN)

**08:56** Case 5

- **Bedri KARAISMAILOGLU** (TURKEY)

**09:10** Case 6

- **Mahboub EL HASHEMI** (SUDAN)

**09:24** Discussion

**10:30 - 12:00**

**Short Free Paper Session – Spine**

**Moderators:** Alaa AHMAD (PALESTINE), Youssry ELHAWARY (EGYPT)

**08:30** 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-Joachim RIESNER**, Patricia LANG, Hackenbroch CARSTEN, Benedikt FRIEMERT, Hans-Georg PALM (GERMANY)

**08:35** Bone cement intergrade better in earlier vertebroplasty and may lead to less adjacent fractures

- **Chang Chen YANG**, Lee RU-PING, Wu WEN-TIEN (TAIWAN)

**08:40** Early phase MRI after balloon kyphoplasty can predict subsequent adjacent vertebral compression fracture in osteoporotic patients

- **Akhiro NAGAMACHI**, Daiki NAKAJIMA, Masatoshi MORIMOTO, Kazuma WADA, Kaori MOMOTA (JAPAN)

**08:45** Change of the kyphotic angle after stand-alone percutaneous stent-kyphoplasty for thoracolumbar split and burst-split fractures

- **Julian SCHERER**¹, **Simon TIZIANI**¹, **Kai SPRENDEL**¹, **Hans-Christoph PAPPE**¹, **Georg OSTERHOF**²

  ¹(SWITZERLAND), ²(GERMANY)

**10:50** The disc/end plate pressure in different percutaneous kyphoplasty and percutaneous vertebroplasty surgical methods – study by finite element analysis

- **Chen-Lun CHU**, Shing-Sheng WU (TAIWAN)

**10:55** Coccyx: the forgotten spine

- **S SAKKA** (JORDAN)

**11:00** The concept of lamina-pedicle perpendicularity

- **Nirmal PATIL**¹, **Tarek EL FIKY**², **Mohammad ESSAM**³, Keith LUK⁴

  ¹(INdia), ²(EGYPT), ³(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

- **Seok-Hwan SONG**, Jae-Sung AHN, Sang Bum KIM, Ho-Jin 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 BAGHDIABI**, Ghada KOURA², Yadulla SYED³, Alaa A BALBAA², Noora AL-MUDAHIKA³

  ²(QATAR), ³(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 HAIJUN, Zhao XIAOBING (CHINA)

**11:25** Comparison between transforaminal epidural l (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 TSUTSUMIMOTO, Mutsuki YUI, Hidehiko KOSAKU, Koji HAYASHI, Tetsuohki KOKUBO (JAPAN)

**11:35** Trans-lamina route percutaneous endoscopic lumbar laminoplasty as a new treatment for lumbar spinal stenosis

- **Zhao XIAOBING**, Zhou HONGGANG, Ma HAIJUN, Li XINGCHEN (CHINA)

**11:40** Short-term effect of pedil via transforaminal approach in the treatment of giant lumbar disc herniation in the young

- **Frank Yaw TAKYI-APPIAH**¹, **Bo GAO**², **Xicheng LI**²

  ¹(GHANA), ²(CHINA)

**10:40** Paediatrics / Trauma | Saturday, 7 December | Meeting Room 8

**08:00 - 10:00**

**Short Free Paper Session – Paediatrics**

**Moderators:** Khaled EL-ADWAR (EGYPT), Mohamed RASHED (LIBYA)

**08:00** Paediatric proximal femoral osteotomies: planning and execution

- **Khaled EL-ADWAR** (EGYPT)

**08:05** Masacplasty for open idiopathic osteochondritis dissecans of the femoral head in adolescent

- **Djamal LOUAHEM M'SABAH** (FRANCE)
08:10 Percutaneous low energy osteotomy in treatment of pathological coronal knee deformities in paediatrics
   Khaled EMARA, Mahmoud ELSHOBAKY, Ramy DIAB, Shadi MAHMoud, Ahmed EMARA (EGYPT)
08:15 Complications of the surgical treatment of SCFE, 5-years retrospective study
   Sujith VELLATHUSSERY CHAKKALAKUMBI, Farhan ALI, Ibraj MAJID, Mohammed KENAWEY (UNITED KINGDOM)
08:20 Weber-booster-surgery for tibial hemimelia
   Michael WEBER (UNITED ARAB EMIRATES)
08:25 Study on functional outcome of elastic nails fixation in femoral fractures of children and adolescents
   Jyothiprasanth MAHESHKUMAR, Edwin AJIN (INDIA)
08:30 Complex radiological findings in congenital pseudarthrosis of the tibia
   Konstantin DYACHKOV, Galina DYACHKOVA (RUSSIA)
08:35 Arthroscopic lavage for the treatment of septic arthritis of the hip in children
   Julian NUSEM (AUSTRALIA)
08:40 Management of clubfoot by differential distraction
   Alok Chandra AGRAWAL, Sharath KAUSHIK, Bikram Keshari KAR (INDIA)
08:45 Ponseti methods of treatment for non-idiopathic club feet: a retrospective evaluation
   Pankaj Kumar SHARMA, Vineet VERMA (INDIA)
08:50 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)
08:55 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)
09:00 Peritalar release in current clubfoot treatment
   Martin OSTADAL, Jiri CHOMIKA, Adam ECKHARDT, Pavel DUNGL (CZECH REPUBLIC)
09:05 Patients with scoliosis in the setting of cerebral palsy are at a higher risk for needing assistive devices
   Joshua HYMAN, Megan CAMPBELL, Christopher DEALLIE, Hiroko MATSUMOTO, Fay CALLEJO GBDOLO, Nicole BAINTON, Michael VITALE, Benjamin ROYE, David ROYE (UNITED STATES)
09:10 Multilevel contracture release has an additive effect to glucocorticoid treatment in Duchenne patients
   Anastasia RAKOW, Claudia WEISS, Corlenna STOLTENBURG, Susanne LEBEK, Julia 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 refraction risk
   Rachel FISHER, Yazan QAISH, Dimitrios MANOUKIAN, Andreas REHM (UNITED KINGDOM)
09:25 The management of displaced paediatric limb fractures in A&E with high success rate and high patient / family satisfaction
   Sherif Elnikety, Paul ERDMAN, Solomon Kamal-Uddin, Kristian Deierl, Nalayini Jeysel (UNITED KINGDOM)
09:30 The utility of leukocyte esterase strip test in the diagnosis of paediatric septic arthritis
   Seyed Mohammad Javad Mortazavi, Hadi KALANTAR, Taghi BAGHDADI, Sorush BAGHDADI, Aliresa Moharrami (IRAN)

Free Paper Session – Trauma 5

10:30 Fixation of paediatric supracondylar fractures: does the size of the K-wire predict outcome?
   Chinayelu MENAKAYA, Liza OSAGIE, Turab SYED (UNITED KINGDOM)
10:38 Occult pelvic fracture in children presenting to a major trauma centre
   Victoria STOHLENR, Krishan GUS, Kuldeep STOHPR, Andrew CARROTHERS (UNITED KINGDOM)
10:46 Success rates obtained with the use of Taylor spatial frame external fixation for acute trauma and deformity correction in paediatric populations: a systematic literature review and meta-analysis
   Diarmuid De FAOITE, Christopher SAUNDERS², Stephen EBOHON², Amir KAMALI² (SWITZERLAND), (UNITED KINGDOM)
10:54 Comparison of elastic and rigid intramedullary nailing in tibial fractures in older children
   Agnese GABULOVA¹, Ladislav PLANKA², Jakub TUREK² (SLOVAKIA), (CZECH REPUBLIC)
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 physiial 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 pissaform
   Nadeem KHALID (SAUDI ARABIA)
11:26 Functional and radiological outcome following corrective osteotomy in cubitusvarus deformities
   Manohar T H MANGHAR, Giriraj GIRIRAJ (INDIA)
11:34 Neglected distal femur epiphyseal fracture-separation management: about 13 cases
   Malik DIALLO, Massadiami SOULAMA, Alexander HEMA, Adama Sibide, Patrick Wh Dakoure (BURKINA FASO)
11:42 A case report of paediatric posterior cruciate ligament avulsion fracture and its management
   Sandeep VELAGADA, Sunil Kumar DOKI, Shakti SWAROOP, Sujit Kumar TRIPATHY (INDIA)
11:50 Descriptive epidemiology of paediatric orthopaedic trauma in southern Nigeria
   Joseph ASUQUIT, Chukuwemeka ANISI, Innocent ABANG, Omolade LASHEBIKAN, Ehiosun AIGBOMIAN, Olajinka ADEGBEHINGBE (NIGERIA)
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<th>Time</th>
<th>Session</th>
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<tr>
<td>08:00</td>
<td>WOC as the humanitarian arm of SICOT – SICOT President</td>
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<td>John DORMANS (UNITED STATES)</td>
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<td>08:05</td>
<td>WOC achievements within a year – WOC Secretary</td>
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<td>Alaa AHMAD (PALESTINE)</td>
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<td>08:10</td>
<td>WOC vision for the future – WOC President</td>
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<td>Deven TANEJA (INDIA)</td>
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<td>08:15</td>
<td>Refugees journey of death: a human tragedy</td>
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<td>Dalal DARWISH (OMAN)</td>
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<td>08:21</td>
<td>The role of Oman and BJD in global road safety and its positive impact at the UN and the resolutions afforded</td>
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<td>Wahid ALKHARUSI (OMAN)</td>
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<td>08:29</td>
<td>SIGN talk</td>
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<td>Lewis ZIRKLE (UNITED STATES)</td>
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<td>08:39</td>
<td>Innovative education in LMICs</td>
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<td>Ashok JOHARI (INDIA)</td>
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<td>08:45</td>
<td>Evidence-based medicine in surgical management in countries with limited resources</td>
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<td>Mohit BHANDARI (CANADA)</td>
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<td>08:51</td>
<td>Global alliance for musculoskeletal health</td>
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<td>Karsten DREINHOFER (GERMANY)</td>
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<td>08:57</td>
<td>Indian experience for orthopaedic services in rural areas</td>
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<td>Rajesh GUPTA (INDIA)</td>
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<td>09:03</td>
<td>Stress fractures in metabolic disorders (treatment of osteoporosis even after fragility fracture given only in 20% of cases)</td>
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<td>Vijay KHARIWAL (INDIA)</td>
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<td>09:09</td>
<td>Bridging the gap</td>
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<td>Wilson Li (HONG KONG)</td>
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<td>09:15</td>
<td>Role of QASAC in LMIC</td>
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<td>Emal WARDAK (AFGHANISTAN)</td>
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<td>09:21</td>
<td>Asia Pacific experience</td>
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<td>Wilson Li (HONG KONG)</td>
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<td>09:27</td>
<td>Latin America experience</td>
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<td>Tatiana GUERSCHMAN (BRAZIL)</td>
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<td>09:33</td>
<td>Ao experience in LMICs</td>
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<td>Kewal SHAH (NEPAL)</td>
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<td>09:39</td>
<td>TKS Gold Medal Award</td>
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<tr>
<td>Deven TANEJA (INDIA)</td>
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<td>09:45</td>
<td>My experience in LMICs through AO Alliance</td>
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<td>Claude MARTIN (SWITZERLAND)</td>
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<td>10:00</td>
<td>TKS Gold Medal Award</td>
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<tr>
<td>Deven TANEJA (INDIA)</td>
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<tr>
<td>10:30</td>
<td>Free Paper Session – Developing World</td>
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<tr>
<td>Moderators: Mohammed AL RAFAI (MORROCO), Pranjal KODKANI (INDIA)</td>
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<td>10:30</td>
<td>Trochanteric fracture management by dynamic hip screw with trochanteric support plate</td>
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<td>Amiya BERA, Priyadarshini BERA, Snejuti BERA (INDIA)</td>
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<td>10:38</td>
<td>Retractile scars on African black skin: epidemiological, clinical and therapeutic aspects of 52 cases observed in Cameroon</td>
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<td>Farikou IBRAHIMA, Marc Leroy GUIFO, Marie-Ange NGO YAMBEN, Gildas NISSO (CAMEROON)</td>
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<td>10:46</td>
<td>Prospective study of deep vein thromboses (DVT) prophylaxes in a tertiary hospital in India</td>
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<td>Amiya BERA, Priyadarshini BERA, Snejuti BERA (INDIA)</td>
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<td>10:54</td>
<td>Complications of the surgical treatment of talipes equinovarus in Africa: about 74 cases observed in Cameroon</td>
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<td>Farikou IBRAHIMA, Alexandre MANGA, Kennedy MULUEM, Jean Philippe GOP NKOULOU ABDOUŁAI (CAMEROON)</td>
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<td>11:02</td>
<td>Neglected avascular necrosis of femoral head secondary to quackery</td>
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<td>Muhammad TAHIR, Nadeem AHMED, Jamali ALLAH RAKHIO, Muhammad MUZZAMMIL (PAKISTAN)</td>
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<td>11:10</td>
<td>An innovative model for rural orthopaedic trauma care</td>
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<td>Bhaskar PANT, Mandeepr PATHAK (NEPAL)</td>
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<td>11:18</td>
<td>Can selective nerve root block avoid surgery for lumbar radiculopathy?</td>
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<td>Sharif Ahmed JONAYED, Md Shah ALAM, Shubhendu CHAKRABORTY (BANGLADESH)</td>
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<td>11:26</td>
<td>A volunteer joint camp and mission trip to a developing nation: a prospective</td>
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<td>Rishi THAKRAL, Kshiti Kumar AGRAWAL (UNITED STATES)</td>
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<td>11:34</td>
<td>Patient safety – a global challenge</td>
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<td>Muhammad Zahid SAEED¹, Muhammad Arif SAEED¹, Abid SAEED¹, Zoha Arif SAEED¹, Sameen Arif SAEED¹, Maham KHALID¹, Zain AKHTAR¹, Muhammad Rumman SIKANDER¹, Muhammad Musaz SIKANDAR¹, Arisha Zahid SAEED², Bushra Zahid SAEED², Samar Lal SHAHID¹, Alman HILAL¹, Omema HILAL¹ ¹(PAKISTAN), ²(UNITED KINGDOM)</td>
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<td>11:42</td>
<td>Research and publications in the orthopaedic journals from India are growing</td>
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<td>S SASEENDAR¹, Raju VAISHYA², Mohit PATRALESHK², Abhishek VAISH², Lalit MAINI² ¹(OMAN), ²(INDIA)</td>
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<tr>
<td>11:50</td>
<td>Experience of SIGN Fin nail for treating femoral fractures</td>
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<td>Kebba MARENAB, Bintou TAWALLY (GAMBIA)</td>
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10:00 - 10:30

Just-A-Minute Paper Session 1

Moderators: Vikas KHANDUJA (UNITED KINGDOM)

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
Ali EL KOHEN (MOROCCO)

10:04 Role of conservative treatment of rachitic knee deformities: our experience in 198 knees
Jatin PRAKASH (INDIA)

10:05 Development and validation of a risk severity score identifying patients with cerebral palsy at high-risk for developing surgical site infection after spinal surgery
David Price ROYE JR., Hiroko MATSUMOTO, Megan CAMPBELL, Benjamin ROYE, Lawrence LENKE, Paul SPONSELLER, Jack FLYNN, David SKAGGS, Michael GLOTZBECKER, Michael VITALE (UNITED STATES)

10:06 Effect of extracorporeal shock wave therapy in sickle cell disease related-hip osteonecrosis
Abdulrahman ALGARNI (SAUDI ARABIA)

10:07 Supracondylar periprosthetic femoral fractures outcomes following retrograde intramedullary nailing versus distal femoral plating: a systematic review
Tarek BOUTEFNOUCHET, Rosemary WALL, Mateen ARASTU, Bryan RIEMER (UNITED KINGDOM)

10:08 Scarf osteotomy without internal fixation for correction of hallux valgus
Abdeljaouad NAJIB (MOROCCO)

10:09 Ellipse method for measuring Liaw’s anteversion of the acetabular component after total hip arthroplasty
Kuei-Lin YEH, Chen-Kun LIAW, Sheng-Mou HOU (TAIWAN)

10:10 Does femoral nerve block for hip fracture patients reduce postoperative delirium?
Suchyun KWEON, Chang-Hyun SHIN, Byung-Tack KWON, Hyung-Gue YOO (SOUTH KOREA)

10:11 Arthroscopic repair of U-shaped rotator cuff tear: modified margin convergence with a single triple loaded suture anchor
Siddharth JAIN (INDIA)

10:12 Effect of fascial surgery on spasticity, dyskinesia and functions of upper extremity in cerebral palsy
Deepak SHARAN (INDIA)

10:13 Treatment results with the spino-pelvic fixation for the unstable pelvic ring fractures
Masaru HIYOSHI, Etsuo CHOSA (JAPAN)

10:14 Direct anterior minimally invasive surgery (DAMIS) for total hip arthroplasty: evaluation of complications in 617 patients, with a 3-year follow up
Panagiots LEPETOS, Christos MILARAS, Dimitrios TZEFRONIS, Christos CHISTOFORIDIS, Michalis SARANTIS, Anastasios GKTOSOS, George MACHERAS (GREECE)

10:15 Manual labour as a risk factor for clinically relevant base of thumb osteoarthritis
Hans Alfred JOHANSSON, Jennifer WOLF*, Aleksandra TURKIIEWICZ*, Martin ENGLUND¹, ²(SWEDEN), ³(UNITED STATES)

10:16 A single stage distal femoral osteotomy with lateral plating for correction of genu valgum – a case series
Thyagarajan THIAGARAJAN SINGARAM, Giriraj HARSHAVARDHAN, Sopinath MENON (INDIA)

10:17 Total knee prostheses without resurfacing the patella (about 60 cases)
Mohamed Amine EL HALEMI (MOROCCO)

10:18 Congenital femoral deficiency – treatment with reconstruction type superhip
Monica Paschoal NOGUEIRA, Francisco VIOLANTE, Fernando FARCETTA (BRAZIL)

10:19 Incidence of hip heterotopic ossification in patients treated with open reduction and internal fixation of acetabular fractures
Panagiots LEPETOS, Nikolaos BAXEVANOS, Nikolaos LIARAKOS, Marianna KORRE, Dimitrios TZEFRONIS, Anastasios GKTOSOS, Nikolaos PREVEZAS (GREECE)

10:20 Impact of avascular necrosis in hip reconstruction in cerebral palsy
Monica Paschoal NOGUEIRA, Daniela GOMES, Alexandre ZUCCON, Fernando FARCETTA (BRAZIL)

10:21 Fibromyalgia – cannabis therapy allows the return to work and improves patient quality of life
Dror ROBINSON, Mustafa YASSIN

10:22 CT based morphometric study of scaphoid and its implications for safe passage of screws for fixation
Samarth MITTAL, Arvind KUMAR, Vivek TRIKH (INDIA)

10:23 Location of atypical femoral fractures can be determined by the mechanical axis of lower limb: CT-based finite element analysis
Ji Wan KIM, Donghwan HWANG, Yongkoo LEE, Jun-Ki MOON (SOUTH KOREA)

13:05 - 14:00

LIVE OPERATION VIDEO: Stem Cell Therapy for Arthritis and Spinal Cord Injury

15:30 - 16:00

Just-A-Minute Paper Session 2

Moderators: Gow 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)
Factors affecting length of stay post total hip and knee arthroplasty
Abhinandan KOTIAN, Singh AVUSH, Arnav SAHU, Abhiljeet KUMAR (UNITED KINGDOM)

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
Vynn SHARMA, Ajoy SHETTY, Shanthugnanathan RAJASEKARAN, Rishi KANNA (INDIA)

Musculotendinous junction injuries of the proximal biceps femoris: a prospective study of 64 patients treated surgically
Atif AYUB, Babar KAYANI, Fares HADDAD (UNITED KINGDOM)

Surgical management of acute semimembranosus injuries in professional athletes – a prospective study
Atif AYUB, Babar KAYANI, Fares HADDAD (UNITED KINGDOM)

Ultrasound guided injection of Morton’s neuroma vs operative removal
– is the outcome comparable?
Dakshinamurthy SUNDERAMOURTHY, Mohammad Murtaza KHAN, Ikram SAAD (UNITED KINGDOM)

Predictors of neading laminctomy after indirect decompression via anterior (ALIF) or lateral (LLIF) lumbar interbody fusion
Daehyun PARK¹, Dean CHOU², Hyungseok LEE³
¹(SOUTH KOREA), ²(UNITED STATES)

Functional outcome and recurrence rate of arthroscopic bankart repair in Omani patients
Sulaiman AL HAMIMI, Muhammad AL HUNAINI, Ghassan AL YASSARI, Ahmed AL MANDHARI (OMAN)

Arthrodesis of the first metatarsophalangeal joint affects the first intermetatarsal angle in surgical treatment of ‘rheumatoid forefoot’
Mikhail HERASIMENKA, Yauhen ZHUK, Svarhey ALIUSEVICH, Stanislav TRATSIUK (BELARUS)

Post-lateraljet alternations in biceps brachii and infraspinatus activity
Marcin DOMZALSKI, Joanna KOWALSKA, Sebastian ZABIEREK, Magdalena FRONCZEK-WOJCIECHOWSKA, Karolina KOPACZ, Gianluca PADULA (POLAND)

Robotic trauma and orthopaedic surgery:the recent advances and the systematic reviews of literature
Muhammad Zahid SAEED¹, Sameen Arif SAEED¹, Arisha Zahid SAEED², Bushra Zahid SAEED², Zoha Arif SAEED¹, Samar Lal SHAHID³, Zain AKHTAR⁴, Maham KHALID⁵, Muhammad Rumman SIKANDAR⁶, Muhammad Muazza SIKANDAR⁷, Arif SAEED⁸, Abid SAEED⁸, Alman HILAL⁹, Omema HILAL⁹
¹(PAKISTAN), ²(UNITED KINGDOM)

Validation of the Swedish Forgotten Joint Score – 12 (FJS-12), a new patient-reported outcome tool of knee replacements
Margarida HEDSTROM, Axel HEDIN, Siri HEIJBEL (SWEDEN)

How degenerative is the tendon in Morton’s neuroma vs operative removal – is the outcome comparable?
Dakshinamurthy SUNDERAMOURTHY, Mohammad Murtaza KHAN, Ikram SAAD (UNITED KINGDOM)

Comparison of reverse total shoulder arthroplasty outcomes: with vs without subscapularis repair
Seungynong SONG, Whanyong JUNG (SOUTH KOREA)

Microbiological culture findings of the femoral head as a prognostic factor for infection in primary hip replacement surgery
Raymond MCKENNA, Gavin MCALINDEN (UNITED KINGDOM)
10:06 Outcomes of total knee replacements in Asian patients with early osteoarthritis: to operate or not to operate?
Amritpal SINGH, Choon Chiet HONG, Lingaraj KRISHNA
(SINGAPORE)

10:07 Qualitative study exploring patient experiences of disability following an open biba incision in Malawi
Alexander SCHADE1, Eleni KARASOULI1, Linda CHOKOTHO2, Andrew METCALFE2, William Jim HARRISON1
* (UNITED KINGDOM), 2 (MALAWI)

10:08 Temozolomide arrests a doxorubicin-resistant follicular dendritic cell sarcoma patient-derived orthotopic xenograft (PDX) mouse model
Hiromichi OSHIRO1, Tatsuki KIYUNA1, Hiroki MAEHARA1, Robert HOFFMAN2, Yasunori TOME1
1 (JAPAN), 2 (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, Katsuke ISHII, Takashi SUZUKI, Taketo KUROZUMI, Yoshinobu WATANABE, Hirotaka KAWANO
(JAPAN)

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’
Amritpal SINGH, Zubin J DARIWALLA, Diarmuid Paul MURPHY
(SINGAPORE)

10:12 Congenital osseous anomalies of the cervical spine: occurrence, morphological characteristics, embryological basis and their clinical significance – a computerised tomography based study
Ankith NV, Ajoy PRASAD SHETTY, Rishi MUGESH KANNA, Rajasekaran SHANMUGANATHAN (INDIA)

10:13 Surgical outcomes of elderly patients aged more than 80 years with distal radius fracture: comparison of external fixation and locking plate
Yoji HUANG, Tung-YI LIN (TAIWAN)

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 TYTHERLEIGH-STRONG (UNITED KINGDOM)

10:15 A double blinded randomised control trial to compare efficacy of autologous bone marrow derived mononuclear cells during core decompression with core decompression alone in early stage of avascular necrosis of femoral head
Saurabh AGARWAL, Lokesh JHA (INDIA)

10:16 Melting temperature mapping method for rapid identification of unknown pathogenic microorganisms for periprosthetic hip joint infection
Katsuazu UCHIYAMA, Hideki NIIMI, Keizou SAKURAI, Shinsuke IKEDA, Kensuke FUKUSHIMA, Mitsutoshi MORIYA, Naonobu TAKAHIRA, Isao KITAJIMA, Masashi TAKASO (JAPAN)

10:17 Retrospective comparison between surgical outcome of internal fixation for femoral shaft fractures – expandable nails vs interlocking nails
Naresh PANIGRAHI, Satya Ranjan PATRA, Manoj MADINI, Dibya Singh DA, Indranil DEY, Uditi UPADHYAYA, Hemanta Kumar BAMIIDI, Siddhartha Shankar MOHANTY (INDIA)

10:18 Comparison of MRI measured femoral intercondylar notch width ratio and alpha angle in patients with and without ACL (anterior cruciate ligament injury)
Santosh JEEVANNVAR, Keshav SHENOY, Prasanna BAINDOOR (INDIA)

10:19 Peri-operative mortality in hip arthroplasties: the when, how and why?
Abhinav JOGANI, Atul PANGHATE (INDIA)

10:20 The new ulnar window triceps sparing approach for extraarticular distal humeral fractures
Sreeko SABALIC, Tomislav CENGIC, Dejan BLAZEVIC, Stjepan CURIC, Lea KALAJIC, Siavash BABIC (CROATIA)

10:21 The effect of NSAIDs on post-fracture bone healing: a meta-analysis of randomized controlled trials
Humaid AL FARI, Leila FARAHDEL, Ali SALIMI, Bernstein MITCHELL (CANADA)

10:22 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)

10:23 Study of 500 cases of radiological visible pathology of sacroiliac region
Vijay Kumar KHARIWAL, Sadhna GARG (INDIA)

Moderators: to be announced

15:30 Clinical outcome of ACL reconstruction; hamstring tendon autograft versus tibialis anterior tendon allograft
Omid SHAHPARI, Mohammad Hossein EBRAHIMZADEH (IRAN)

15:31 Vascularised fibular graft: results and indications
Reda HARRAR, Abdelhalim OULD ROUS, Kamil ACHOUR, Mourad OUBIRA, Chafiza GRARADJ, Mourad HAMIDANI (ALGERIA)

15:32 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, Jenni TAHMASSEBI, Haddad FARES (UNITED KINGDOM)

15:33 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)

15:34 New innovation for foot drop: internal mechanical device prototype
Bassel EL-OSTA, Marwa RAFI, Ali SALMI, Bernstein CURIC, Lea KALAJIZIC, Slaven BABIC (CROATIA)

15:35 A surgical algorithm for the management of recalcitrant distal femoral nonunions based on distal femoral bone stock, fracture alignment, medial void and stability of fixation
Bhaskara Kanakeshwara RAJA, Dheenadhayalan JAYARAMARAJU, Rajasekaran SHANMUGANATHAN (INDIA)

15:36 FHL transfer in treatment of neglected Achilles tendon rupture
Radek HART (CZECH REPUBLIC)

15:37 Leg length discrepancy after total hip arthroplasty for high riding dysplastic hip disorder
Dariush GOURAN SAVADKOOGHI, Babak SIAVASHI, Ehsan PENDAR, Siavash MOLANAEI (IRAN)

15:38 A polyurethane partial meniscal implant for chronic painful partial meniscectomy: a 5-year follow-up evaluation
René VERDONK, Aadh DIOLLANDER, Peter VERDONK (BELGIUM)

15:39 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)
15:40 Arthroscopic fixation of tibial eminence fractures using suture bridge technique a case series
Prabhakar VENKATARAMANA, Mohan Kumar J, Mahesh MN, Vijay M (INDIA)

15:41 A low pelvic incidence angle may not place young athletes at risk of developing cam morphological changes in the hip joint
Wisam WITWIT (UNITED STATES)

15:42 Effect of problem and scripting-based learning combining mixed-reality device on spine surgical trainees’ learning outcomes
Cong LIN, Zhu YUE (CHINA)

15:43 Early clinical results of modified triple-row arthroscopic rotator cuff repair
Hideaki ASAI, Takashi YAMAZAKI, Nobuhiro HARA, Sakae TANAKA (JAPAN)

15:44 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 BOONRIONS, Boonsin TANGTRAUKLANICH (THAILAND)

15:45 New technique of ulnar nerve stabilisation during anterior transposition for cubital tunnel syndrome
Takakazu HIRAYAMA, Masaaki SHINDO (JAPAN)

15:46 Biomechanical analysis of rotator cuff with 3D modeling
Hanbo WANG, Jinwu WANG, Yuanjing XU, Han YANG, Keming WAN (CHINA)

15:47 Virtual fracture clinic services and patient satisfaction survey at district general hospital in the United Kingdom
Ayush SINGH, Kotian ABHINANDAN, Mukherjee SUNIRMAL, Ramteke UJJWAL (INDIA)

15:48 A novel method of tendo-Achilles repair
Mohamed RASHED, Zakaryia ISHWIA, Turkia EL-ROUK (LIBYA)

15:49 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)

15:50 Minimal invasive plate osteosynthesis of humeral shaft fractures
Mustafa MESRIGA, Mahmoud HADHOUD (EGYPT)