

# 38th SICOT Orthopaedic World Congress



30 November - 2 December 2017  
Cape Town  South Africa

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## Shanmuganathan Rajasekaran – SICOT President

The 38<sup>th</sup> Orthopaedic World Congress of SICOT is now here and I take this opportunity to welcome those who have registered for this wonderful academic event. The Scientific Programme Chairman, Dr Vikas Khanduja, and his team have planned a very rich academic programme covering the entire spectrum of orthopaedic surgery. There is an exciting mix of instructional symposia, free paper sessions, short free paper sessions and three plenary lectures by world renowned surgeons – Prof Oheneba Boachie-Adjei, Prof Fares Haddad and Prof Ashok Johari. For the first time, the ‘SICOT Research

Award’ papers will also be presented in a plenary session. Make sure that you do not miss the opportunity to listen to them.

We are fortunate to have Dr Devi Prasad Shetty, who is a leading cardiac surgeon, a great medical administrator and outstanding health economist, all put into one, to deliver the Presidential Lecture at the Opening Ceremony. Highly recognised for his leadership thoughts and contribution to the national health policies, he will talk about the challenges that we will face in the future.

Cape Town is one of the favoured tourist destinations in the world. Our Congress President, Doron Frantzen, and his team have worked hard to make your meeting time as enjoyable as it is useful and I am sure that you will enjoy your time in Cape Town.

On behalf of everyone in SICOT, I welcome you again to Cape Town.



## Doron Frantzen – Congress President

It is a great pleasure to welcome you to the 38<sup>th</sup> SICOT Orthopaedic World Congress here in Cape Town, Mother city of the African continent, crowned by the magnificent Table Mountain. Cape Town prides itself as being one of the most multicultural cities in the world.

Our Congress Organising Committee has worked hard on a comprehensive programme covering all subspecialties in Orthopaedic Surgery for this Congress.

We sincerely hope you enjoy your stay and fall in love with this city’s incredible spirit and freedom.

A wide range of cultural, historical and natural attractions are offered to delegates and accompanying persons, from vineyards to townships, wildlife to shopping malls, there will be something to delight everyone.



We encourage you to use this opportunity to explore more of our South Africa whilst being on the continent, making your travel to the tip of AFRICA an unforgettable experience!

We welcome you to Cape Town!



## Vikas Khanduja – Scientific Programme Chairman

On behalf of the SICOT Board of Directors and the Congress President, Dr Doron Frantzen, it gives me immense pleasure to welcome all of you to the 38<sup>th</sup> SICOT Orthopaedic World Congress to be held in Cape Town, South Africa, from 30 November to 2 December 2017.

The SICOT Annual Congress has gained significant popularity over the years and has now become a premier Orthopaedic Congress with Faculty and delegates from all around the world. One of its major strengths is the diversity of its membership and that leads to its academic success.

We have planned a stimulating academic programme for this Congress as well. The main focus of the programme is on *audience participation* and we have therefore included a number of sessions on video techniques, case discussions and debates.

We have had a significant academic interest in our meeting with over **2,500** abstracts being submitted. The scientific quality of the submissions has also been good, and has therefore generated fierce competition for the top slots for podium presentation. To make the event more exciting and competitive, we have introduced a new session called “JAM - Just A Minute”. This will involve the delegates presenting their work for 1 minute with 1 slide!

Over the course of 2½ days, we have planned over 40 instructional symposia and over 40 free paper sessions, 10 short free paper sessions, 4 Just a Minute (JAM) sessions and 3 Plenary lectures from well accomplished speakers – Prof Oheneba Boachie-Adjei from Ghana, Prof Fares Haddad from the United Kingdom, and Prof Ashok Johari from India. The symposia have an excellent Faculty from all around the world (58 countries being represented) who are key opinion leaders in their field. In addition we have 10 symposia delivered by our partner societies.

We have also planned educational activities specifically for the trainees on 29 November before the meeting commences: the SICOT Educational Day – Theme: The Hip, the Polytrauma Management course and the SICOT Diploma Examination. I am sure that these 3½ days would cater to the academic needs of both the trainee and the practising orthopaedic surgeon.

All in all, I can assure you that you will enjoy your time at the Congress and be stimulated and enriched with excellent educational content and an amazing city to explore. The subspecialty Chairmen and myself have had a great time putting this programme together for you and we cordially welcome all of you to Cape Town to share your experience, and participate in this exciting scientific meeting.



# Organising Committees

## SICOT Congress Scientific Advisory Committee

John Dormans – *Chairman*  
Doron Frantzen – *Congress President*  
Vikas Khanduja – *Programme Chairman*  
Jochen Eulert  
Francesco Falez

Maurice Hinsenkamp  
Ashok Johari  
Guixing Qiu  
Hatem Said  
James Waddell

## Chairmen of the Subspecialty Committees

*Computers & Enabling Technologies*  
*Foot & Ankle*  
*Hand*  
*Hip Arthroplasty*  
*Infections*  
*Knee Arthroplasty*  
*Orthopaedic Microsurgery*  
*Orthopaedic Research*  
*Paediatrics*  
*Shoulder & Elbow*  
*Spine*  
*Sports Traumatology & Arthroscopy*  
*Trauma*  
*Tumours*

Ajeya Adhikari  
Siu Fai Henry Yip  
Frederic Schuind  
Jacques Caton  
Ferdinando Da Rin De Lorenzo  
Francesco Falez  
Marko Bumbasirevic  
Hamish Simpson  
Patricia Fucs  
Jacinto Monteiro  
Evalina Burger  
Vikas Khanduja  
Hans-Christoph Pape  
Dominique Poitout

## SICOT Executive Committee

Shanmuganathan Rajasekaran – *President*  
José Sérgio Franco – *First Vice President*  
John Dormans – *President-Elect*  
Keith Luk – *Immediate Past President*  
Jochen Eulert – *Secretary General*  
Philippe Hernigou – *Treasurer*

Vikas Khanduja – *Member at large*  
Hatem Said – *Member at large*  
Ashok Johari – *Education Council  
Chairman (ex officio)*  
Fatih Kucukdurmaz – *Young Surgeons  
Committee Chairman (ex officio)*

## SICOT Head Office

David Shelton  
Katia Gnych  
Linda Ridefjord  
Tania Bellon

## Commercial & Exhibition Agent

Lina Salvati – Linsa Inc.

## About SICOT

SICOT, *Société Internationale de Chirurgie Orthopédique et de Traumatologie*, is an international non-profit association incorporated under Belgian law with the aim to promote the advancement of the science and art of orthopaedics and traumatology at international level in particular for the improvement of patient care, and to foster and develop teaching, research and education. In 2014, SICOT celebrated its 85<sup>th</sup> anniversary.



The current gatherings of surgeons from 110 member nations and others beside each year are now highly organised scientific, clinical and social events. Scientific papers and lectures are presented in the traditional fields and world-class invited speakers provide contemporary thought on the latest concepts as well as on conservative and surgical treatment methods. The SICOT Congresses provide a forum for presentation of original work and for education.

SICOT is setting world standards of surgical competence – knowledge plus clinical skills – by offering an annual Diploma Examination comparable to those of exemplary institutions in highly developed countries. The two highest scoring graduates of this examination are awarded a travelling fellowship from the German Section of SICOT which provides a fully funded tour of the German centres of excellence. The SICOT Journal, *International Orthopaedics*, has shown steady gains in the Philadelphia-based publication reference rating. SICOT-J, its new open access journal, accepts original articles, review articles, case reports and surgical techniques. SICOT's Training Manual is there to guide trainees along a map to the goal of full training. The SICOT page and group on Facebook and the e-Newsletters are used widely for continuous communication among members and interested non-members. The SICOT Fellowships offer unique opportunities for education and exchange. The SICOT Foundation helps to provide funds for travel to congresses and to work with masters of surgery in notable teaching centres. An increasingly successful initiative has been the creation of orthopaedic Education Centres. They provide an opportunity for education, research and manual skills training. They are open to community surgeons, nurses and physiotherapists. In fact, they can bring a whole orthopaedic community together.

**For more information about SICOT and its membership application, please visit the SICOT website ([www.sicot.org](http://www.sicot.org)) or the SICOT Lounge (Booth # 105) in the Exhibition Hall during the Congress. You can also receive news and information about the Society by following SICOT on Facebook, LinkedIn and Twitter, or subscribing to its e-Newsletters at [www.sicot.org/enewsletter](http://www.sicot.org/enewsletter).**



# SICOT General Assembly

<b>Date</b>	Friday, 1 December
<b>Time</b>	13:00-14:00
<b>Venue</b>	Auditorium II, Cape Town International Convention Centre

All SICOT members are invited to attend the General Assembly.

Please note that SICOT members must have paid their membership dues in 2017 in order to have the right to vote.

## Agenda

1. Opening remarks and approval of the minutes of the General Assembly 2016 in Rome – Vote
2. Report of the President – Vote
3. Report of the Secretary General – Vote
4. Report of the Treasurer – Vote
  - Internal Audit report – Vote
5. Report of the Immediate Past President – Vote
6. Report of the President-Elect – Vote
7. Any other business

# Awards

Every year, SICOT grants a number of awards to surgeons. This is either to reward them for their scientific achievement or to help young doctors attend the Congress by supporting them financially.

The SICOT President, Shanmuganathan Rajasekaran, will present all award winners with their certificate during the Closing Ceremony on Saturday, 2 December at 12:15 in Auditorium II. Award winners must attend the Closing Ceremony to receive their prize. The winners will also be announced on the SICOT website: [www.sicot.org/cape-town-awards](http://www.sicot.org/cape-town-awards)

## Korean SICOT Award

*Sponsored by the Korean Orthopaedic Association*

Awarded at the Closing Ceremony of each World Congress, a prize of USD 1,000 is granted to one orthopaedic surgeon. The purpose is to help a young surgeon attend the Congress.

**Winner:** Ankit Patel (India)

## Lester Lowe SICOT Awards

*Sponsored by the SICOT Foundation*

Two awards of USD 500 each, as well as free registration for the Congress, will be granted at the Closing Ceremony to two young orthopaedic surgeons. The purpose is to help them attend the meeting and encourage the submission of poster presentations.

**Winners:** Chih-Kai Hong (Taiwan) & Pankaj Kumar Sharma (India)

## Marcela Uribe Zamudio Award

*Sponsored by the SICOT Foundation*

A prize of USD 1,000 is awarded during the Closing Ceremony to a woman orthopaedic surgeon or trainee under 40 years of age who has published an original scientific work in orthopaedics or traumatology in the English language within the last three years. The purpose of the award is to encourage young female researchers and clinicians.

**Winner:** Temiloluwa Olufemi (Nigeria)



## NuVasive/SICOT Foundation Scholarships

*Sponsored by NuVasive & SICOT Foundation*

Two scholarships of USD 2,500 each will be granted to help cover the accommodation and travel costs and a diploma will be awarded at the Closing Ceremony of the Congress. The purpose is to allow eligible Active or Associate members of SICOT to attend the 38<sup>th</sup> SICOT Orthopaedic World Congress in Cape Town.

**Winners:** Sang Soo Eun (South Korea) & Sohael Khan (India)

## OrthoPediatics/SICOT Foundation Scholarships

*Sponsored by OrthoPediatics & SICOT Foundation*

Two scholarships of USD 2,500 each will be granted to help cover the accommodation and travel costs and a diploma will be awarded at the Closing Ceremony of the Congress. The purpose is to allow eligible Active or Associate members of SICOT to attend the 38<sup>th</sup> SICOT Orthopaedic World Congress.

**Winners:** Tatiana Guerschman (Brazil) & Ziming Zhang (China)

## SICOT-Kongress-Scholarship 2017

*Sponsored by the SICOT German section*

The German section of SICOT is offering scholarships to attend the Congress. Candidates must be German Associate Members of SICOT under 40 years old and must have had an abstract accepted for presentation at the Congress.

**Winners:** Anastasia Rakow (Germany) & Kilian Rueckl (Germany)

## SICOT Research Awards

*Sponsored by the SICOT Research Academy*

SICOT has established a 'Research Academy' which will foster high quality research amongst its members. The Academy has established three research awards, each in the field of: Basic Sciences; Clinical Sciences; and the Young Investigator Award. The winners were chosen based on scientific merit. The prize-winning papers will be presented on Friday, 1 December at 12:30-13:00 in Auditorium II and will be awarded USD 2,000 each.

**Winners:**

**Basic Science:** *Injectable, biomechanically robust, biodegradable and osseointegrative bone cement for percutaneous kyphoplasty and vertebroplasty*, by Lei Yang, Huiling Liu, Bin Liu, Chunxia Gao, Bin Meng, Huilin Yang, Haiyang Yu (China)

**Clinical Science:** *The status of triangular fibrocartilage complex after the union of distal radius fractures with internal plate fixation*, by Margaret Fok, C.X. Fang, T.W. Lau, Y.K. Fung, B.K.K. Fung, K.L. Leung (Hong Kong)

**Young Investigator Award:** *Predicting curve progression at skeletal maturity in adolescent idiopathic scoliosis using the distal radius and ulna classification*, by Jason Pui Yin Cheung, Prudence Wing Hang Cheung, Dino Samartzis, Keith Dip-Kei Luk (Hong Kong)

## Henri Bensahel Award

Sponsored by the SICOT Congress

This Award was established in 2009 in memory of Henri Bensahel, Professor of Paediatric Orthopaedics and a Founding Member of IFPOS (International Federation of Paediatric Orthopaedic Societies). A prize of EUR 300 is awarded to one of the best podium presentations in Paediatrics.

**Winner:** *A systematic approach for surgical treatment of congenital vertical talus: mid-term follow up of 96 cases*, by Viachaslau Bradko, Heorhi Bradko, Alexander Beletsky (Belarus)

## Hull Deformity Course SICOT Award

Sponsored by SICOT & Hull Hospital, United Kingdom

The best oral or poster presentation on Deformity of the Limb and Trauma will be granted a free registration to the Hull Deformity Course, which will take place in June 2018 in Hull, United Kingdom. The course material, lunches and course dinner for all four days will be provided by the organiser. In addition, the accommodation costs will be reimbursed by SICOT up to EUR 500 (upon receiving the hotel receipt). However, the travel expenses will have to be covered by the awardee himself.

**Winner:** *To be selected during the Congress*

## Shanmuga S. Jayakumar Award

Sponsored by the SICOT Congress

This Award was created in 2013 in honour of Shanmuga S. Jayakumar, considered to be amongst the greatest paediatric orthopaedic surgeons in the United States. A prize of EUR 300 is awarded to one of the best free paper presentations in Paediatrics.

**Winner:** *Surgical correction of cervical kyphosis in diastrophic dysplasia with anterior corpectomy, posterior tethering with 360° fusion*, by Mihir Thacker, William Mackenzie, John Heydemann, Kenneth Rogers, Jeffrey Campbell & Suken Shah (United States)



## SICOT/AAOS Annual Meeting Scholarships

*Sponsored by SICOT & AAOS*

AAOS (American Academy of Orthopaedic Surgeons) will provide two free registrations for the AAOS Annual Meeting to SICOT-selected scholarship recipients, who will be chosen from a pool of candidates under 45 years of age comprised of the winners of the best podium and poster presentations. Travel expenses up to EUR 500 will be covered by SICOT.

**Winners:** *To be selected during the Congress*

## SICOT/CCJR Meeting Awards

*Sponsored by SICOT & CCJR*

The best podium and poster presentations in Arthroplasty are granted this award, which includes one free registration (worth USD 900) for the CCJR (Current Concepts in Joint Replacement) Winter Course and one free registration for the Spring Course. Travel expenses up to EUR 500 will be covered by SICOT.

**Winners:** *To be selected during the Congress*

## SICOT Oral Presentation Award

*Sponsored by the SICOT Congress*

The presenting authors of the ten best free papers present their papers for a second time at the Best Papers Session (Friday, 1 December – 16:00-17:30 – Room 1.61-1.62) during the Congress. The presenting author of the best oral presentation selected during this session is awarded a prize of EUR 800 at the Closing Ceremony.

**Winner:** *To be selected during the Congress*

## SICOT Poster Award

*Sponsored by the SICOT Congress*

The presenting author of the best poster is awarded a prize of EUR 800 at the Closing Ceremony.

**Winner:** *To be selected during the Congress*



# SICOT Diploma Examination

	<b>Oral part</b>	<b>Written part</b>
<b>Dates</b>	Wednesday, 29 November	Wednesday, 29 November
<b>Time</b>	08:00-12:30: Group 1 & 2 13:30-18:00: Group 3 & 4	09:00-11:00: Group 3 & 4 14:00-16:00: Group 1 & 2
<b>Venue</b>	Room 1.41-1.42, Cape Town International Convention Centre	Room 1.43-1.44, Cape Town International Convention Centre

In 2003, for the first time, SICOT held an examination for orthopaedic trainees during its Annual International Conference in Cairo, Egypt. The overall results of this first experience were very encouraging, and a SICOT Diploma Examination has been held every year since then. The 15<sup>th</sup> SICOT Diploma Examination takes place on Wednesday, 29 November before the Congress and consists of a written part and an oral part.

The SICOT Diploma Examination aims to set a global standard for examination in Trauma and Orthopaedics. The exam tests the core clinical knowledge and competence of the orthopaedic candidate or surgeon in practice. The syllabus ([www.sicot.org/diploma-examination](http://www.sicot.org/diploma-examination)) for the exam is broad, covering the whole breadth of Trauma and Orthopaedics, which can be applied globally. The candidate must be able to demonstrate clinical knowledge and competence appropriate to orthopaedic and trauma surgery across the whole breadth.

The syllabus is broadly divided into the following four domains:

- Basic Sciences – including Oncology and Infection
- Trauma
- Adult Pathology – Spine and Lower Limb
- Upper Limb and Paediatric Orthopaedics

The results of the examination will be announced at the Closing Ceremony on Saturday, 2 December at 12:15 in Auditorium II and successful candidates will be presented with a diploma.



## Examiners

**Chief Examiner** Marc Patterson (United Kingdom)

**Assistant Examiner** Vikas Khanduja (United Kingdom)

### Examiners

Khaled Abdel-Kader	Satish Kutty
Stephen Abelow	Michael Laurence
Arindam Banerjee	Ian Leslie
Andrzej Bohatyrewicz	Luis Lopez Duran Stern
Laszlo Bucsi	Andrew Quaile
Bassel El-Osta	Kandiah Raveendran
Khaled Emara	Maximilian Rudert
Patricia Fucs	Vijay Shetty
Dariusz Gouran Savadkoohi	Shantharam Shetty
Mahmoud Hafez	Ajoy Prasad Shetty
Maher Halawa	Marek Synder
Thamer Hamdan	Garnet Tregonning
Miroslav Haspl	Albert Van Kampen
Joshua Hyman	Gershon Volpin
Dheenadhayalan Jayaramaraju	James Waddell
Vikas Khanduja	

## German SICOT Fellowship

*Funded by the SICOT German section*

The fellowship was awarded for the first time in 2005 and is presented to the two best candidates who pass the annual SICOT Diploma Examination. The two fellows are invited to visit well-known German orthopaedic centres for a period of four weeks. Travel is organised by the German Section of SICOT. Special interests of the fellows are taken into consideration in the choice of hosting centres. The sponsorship, up to a total of EUR 2,500 per fellow, includes: an economy class air ticket, food and accommodation, travel expenses within Germany, and an allowance. The two candidates (who must be members of SICOT) are selected by the Board of Examiners at the end of the SICOT Diploma Examination. Besides an excellent exam result, good knowledge of the English language is the main selection criterion. The purpose of the fellowship is to reward participants in the examination for their achievements and to give them the opportunity to meet with leading German orthopaedic surgeons.

## General Information

### Presentation Guidelines

#### Podium Presentations

All speakers are asked to hand in their presentation on a USB stick to the Speaker Preview Room **at the very latest two hours before the session** in which the presentation is scheduled to take place. The organisers cannot guarantee projection of presentations handed in later on. The Speaker Preview Room is located in Room 1.51-1.52 at the Cape Town International Convention Centre and will be open during the Congress hours.

Computers will be available in the Speaker Preview Room for last-minute changes. The technicians will make sure that your presentation will be visible in the correct session hall. All session halls have a technician to assist you and are equipped with a laptop (PC) for power point projection. Speakers will not be allowed to use their own laptops during their presentations.

At the beginning of their presentation, all speakers must state to the audience that they are aware of and have disclosed any potential conflicts of interest or support that might cause a bias in their presentation.

#### e-Posters

The e-posters will be available during the entire Congress via computers located in the Exhibition Hall. The list of e-posters can be downloaded from the SICOT website at [www.sicot.org/cape-town-scientific-programme](http://www.sicot.org/cape-town-scientific-programme).

### Certificates of Presentation

**All Certificates of Presentation for Free Papers, Short Free Papers, Just-a-Minute (JAM) Papers, and e-Posters will be sent by email to the presenting author after the Congress.**

### Language

The official language of the Congress is English. There will be no simultaneous translation.



## Scientific Programme & Abstracts

The most up-to-date scientific programme is available to download on your smartphone or laptop during the Congress at [www.sicot.org/cape-town-scientific-programme](http://www.sicot.org/cape-town-scientific-programme). The abstracts of Free Paper, Short Free Paper, Just-a-Minute (JAM) Paper, and e-Poster presentations are also published on the SICOT website.

## European CME Credits (ECMEC)

The 38<sup>th</sup> SICOT Orthopaedic World Congress, Cape Town, South Africa, 29/11/2017-02/12/2017 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 18 European CME credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.



Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME® credit to AMA credit can be found at: [www.ama-assn.org/go/internationalcme](http://www.ama-assn.org/go/internationalcme)

Live educational activities, occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.

**CME Certificates will be provided by email AFTER the Congress once the Congress Evaluation Form has been filled in.**

## CPD Registration/Scanning (for South African delegates)

Medical Practice Consulting (MPC) in joint partnership with Bonitas, allows for all South African delegates attending the 38<sup>th</sup> SICOT Orthopaedic World Congress in 2017 to scan for their CPD points, once in the morning to claim their morning session points between 08:00 and 12:00 and once in the afternoon to claim their afternoon session points between 12:00 and 16:00, at the MPC/Bonitas CPD Centre stand. Delegates need to register at [www.mpconsulting.co.za](http://www.mpconsulting.co.za) beforehand and bring the proof of registration with them to the stand to claim the points. 7 points per academic day have been allocated.

All CPD certificates will be issued electronically into delegates' secure SAMA accredited MPC CPD Manager, once registered on [www.mpconsulting.co.za](http://www.mpconsulting.co.za).

## App



The Congress app will enable you to browse the comprehensive scientific programme and communicate with fellow attendees, moderators and speakers. You will also be able to check out who and where the exhibitors are in the Exhibition Hall. You can download the “SICOT World Congress 2017” app from the Apple App Store and the Google Play store.



## Peer Reviewers

Special thanks go to the following members of the Scientific Board who kindly gave their time to review the abstracts submitted for the Congress.

Stephen P. Abelow (United States)  
Ajeya Adhikari (United Kingdom)  
Mohamed Albaqali (Bahrain)  
Mohammed Ali Fadhil Al-Bayati (Iraq)  
Peter R. Aldinger (Germany)  
Mohamed Anwagab Allah (United Arab Emirates)  
Luis Branco Amaral (Portugal)  
Abdel-Mohsen Arafa (Egypt)  
Emmanuel Audenaert (Belgium)  
Mohamed Azzaz (Libya)  
Ashish Babhulkar (India)  
Vaibhav Bagaria (India)  
Sadig Bendalla (Libya)  
Thami Benzakour (Morocco)  
Peter Biberthaler (Germany)  
Andrzej Bohatyrewicz (Poland)  
Andrzej Borowski (Poland)  
Ole Brink (Denmark)  
László Bucsi (Hungary)  
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Richard Chaloupka (Czech Republic)  
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Erdal Cila (Turkey)  
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Matthew Dobbs (United States)  
John P. Dormans (United States)  
Marek Drobniewski (Poland)  
Ayman M. Ebied (Egypt)  
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Mansour El Werfalli (Libya)  
Jochen Eulert (Germany)  
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Doron Frantzen (South Africa)  
Patricia Fucs (Brazil)  
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Maurice G. Hinsenkamp (Belgium)  
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Gamal Ahmed Hosny (Egypt)  
Wing-Yuk Ip (Hong Kong)  
Eiji Itoi (Japan)  
Rajagopalan Iyer (India)  
Anil Jain (India)  
Roger Jawish (Libya)  
Ashok Kumar Johari (India)  
Ahmed Kandil (Egypt)  
Vikas Khanduja (United Kingdom)  
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Khalil Kharrat (Libya)  
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Shoichi Kokubun (Japan)  
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Ian J. Leslie (United Kingdom)  
Frankie Leung (Hong Kong)  
Hwa-Chang Liu (Taiwan)  
Günter Lob (Germany)  
Martin Luedemann (Germany)  
Keith Dip-Kei Luk (Hong Kong)  
Lalit Maini (India)  
Pierre Mansat (France)  
Len Marais (South Africa)  
Sanjiv K.S. Marya (India)  
Rujuta Mehta (India)  
Sandor Mester (Hungary)  
Ravi Mittal (India)  
Jacinto Monteiro (Portugal)  
Sachidanand Nayak (United Arab Emirates)  
Nuno Neves (Portugal)



Inderpreet Singh Oberoi (India)  
Horia Bogdan Orban (Romania)  
Fred Matthew Toboso Otsyeno (Kenya)  
Hans-Christoph Pape (Switzerland)  
Mangal Parihar (India)  
Andre Peach (South Africa)  
Manfred Pfahler (Germany)  
Rui Pinto (Portugal)  
Johan Prins (South Africa)  
Ajay Puri (India)  
Amit Putti (United Kingdom)  
Guixing Qiu (China)  
Mohamed Rashed (Libya)  
Kandiah Raveendran (Malaysia)  
Maximilian Rudert (Germany)  
Pietro Ruggieri (Italy)  
Hatem Galal Said (Egypt)  
Roukoz Sami (Lebanon)  
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Frédéric A. Schuind (Belgium)  
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Vijay D. Shetty (India)  
Hamish Simpson (United Kingdom)  
Inderjeet Singh (Singapore)  
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Mohamed Sobhy (Egypt)  
Gary Raymond Speck (Australia)  
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Georges Szoke (Hungary)  
Assad Taha (Lebanon)  
Deven Taneja (India)  
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Albert Van Kampen (The Netherlands)  
René Verdonk (Belgium)  
Gershon Volpin (Israel)  
James Patterson Waddell (Canada)  
Wai Pan Yau (Hong Kong)  
Siu Fai Henry Yip (Hong Kong)  
Mikheil Zimlitski (Georgia)



## Invited Speakers

SICOT is extremely grateful to the following Invited Speakers for giving up their valuable time to educate and participate in the 38<sup>th</sup> SICOT Orthopaedic World Congress.

Dzihan Abazovic (Serbia)  
Ahmed Abdelazeem (Egypt)  
Stephen Abelow (United States)  
Gerhard Achatz (Germany)  
Ahmad Addosooki (Egypt)  
Ajeya Adhikari (United Kingdom)  
Lyes Aitelhadj Al (Algeria)  
Peter Aldinger (Germany)  
Ahmed Alghamdi (Saudi Arabia)  
Amr Aly (Egypt)  
Kumar Shantanu Anand (India)  
Ron Arbel (Israel)  
Jean-Noel Argenson (France)  
Mustafa Asansu (Turkey)  
Emmanuel Audenaert (Belgium)  
Nuri Aydin (Turkey)  
Ibrahim Azboy (Turkey)  
Syah Bahari (Malaysia)  
Jörg Bahm (Germany)  
Arindam Banerjee (India)  
Kerem Basarir (Turkey)  
Franco Bassetto (Italy)  
Jes Bates (Malawi)  
Thami Benzakour (Morocco)  
Brian Bernstein (South Africa)  
Omer Faruk Bilgen (Turkey)  
Ruwais Binlaksar (Yemen)  
Franz Birkholtz (South Africa)  
Tony Birrell (United Kingdom)  
Alessandro Bistolfi (Italy)  
Mark Blackney (Australia)  
Davide Blonna (Italy)  
Oheneba Boachie-Adjei (Ghana)  
Hassan Bombaci (Turkey)  
Olivier Borens (Switzerland)  
Murat Bozkurt (Turkey)  
Barry Brause (United States)  
Laszlo Bucsi (Hungary)  
Marko Bumbasirevic (Serbia)  
Cody Bünger (Denmark)  
Evalina Burger (United States)  
Chuck Cakic (South Africa)  
Kerem Canbora (Turkey)  
Jacques Caton (France)  
Yimin Chai (China)  
Sean Chetty (South Africa)  
Linda Chokocho (Malawi)  
David Choon (Malaysia)  
Jae-Yoon Chung (South Korea)  
Michel Colmar (France)  
Andrea Colombelli (Italy)  
Ferdinando Da Rin De Lorenzo (Italy)  
Johan Davis (South Africa)  
Jo De Beer (South Africa)  
Raffaele De Caro (Italy)  
Jan De Vos (South Africa)  
Kamal Deep (United Kingdom)  
Marco Demange (Brazil)  
Anil Dhal (India)  
Matthew Dobbs (United States)  
John Dormans (United States)  
Karsten Dreinhofer (Germany)  
Eytan Dujovny (Israel)  
Robert Dunn (South Africa)  
Khaled Emara (Egypt)  
Ali Enayatollahi (Iran)  
Tunay Erden (Turkey)  
Fernando Facanha Filho (Brazil)  
Paolo Falaschi (Italy)  
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Julio Fernandes (Canada)  
Andre Ferreira (France)  
Nando Ferreira (South Africa)  
Ponky Firer (South Africa)  
Margaret Fok (Hong Kong)  
Jose Sergio Franco (Brazil)  
Stephan Frenzel (Austria)  
Chris Frey (South Africa)  
Patricia Fucs (Brazil)  
Alberto Gobbi (Italy)  
Alejandro Gonzalez Della Valle (United States)  
Hitesh Gopalan (India)  
Georg Gosheger (Germany)



Richard Gosselin (United States)  
 Dariush Gouran Savadkoohi (Iran)  
 Simon Graham (South Africa)  
 Alberto Gregori (United Kingdom)  
 Li-Qiang Gu (China)  
 Pedro Guillen (Spain)  
 Fares Haddad (United Kingdom)  
 Mahmoud Abdel Hafez (Egypt)  
 David Hak (United States)  
 Reggie Hamdy (Canada)  
 Marc Hanschen (Germany)  
 Jim Harrison (Switzerland)  
 Rebecca Hasler (Switzerland)  
 Miroslav Haspl (Croatia)  
 Michael Held (South Africa)  
 Jacques Hernigou (Belgium)  
 Philippe Hernigou (France)  
 Nurettin Heybeli (Turkey)  
 Pierre Hoffmeyer (Switzerland)  
 Keith Hosking (South Africa)  
 Gamal Hosny (Egypt)  
 Jian-Xi Hou (China)  
 Yong Cheng Hu (China)  
 Joshua Hyman (United States)  
 Ajmal Ikram (South Africa)  
 Eiji Itoi (Japan)  
 Dheenadhayalan Jayaramaraju (India)  
 Anil Jain (India)  
 Leslie Jameson (United States)  
 Anoop Jhurani (India)  
 Ashok Johari (India)  
 Koos Jordaán (South Africa)  
 Srinath Kamineni (United States)  
 Aneet Kessow (South Africa)  
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 Christopher Kleck (United States)  
 Fatih Kucukdurmaz (Turkey)  
 Mahesh Kulkarni (India)  
 Satish Kutty (United Kingdom)  
 Djordje Lazovic (Germany)  
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 Narinder Kumar Magu (India)  
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 Shiva Murugasampillay (Zimbabwe)  
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 Milton Raff (South Africa)  
 Deepak Raina (India)  
 Ashok Rajagopal (India)  
 Shanmuganathan Rajasekaran (India)  
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 Gabriele Schroeder (Germany)  
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 Rosmaninho Seabra (Portugal)  
 Ramesh Sen (India)  
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 Hemant Sharma (United Kingdom)  
 Ajoy Shetty (India)  
 Shantharam Shetty (India)  
 Vijay Shetty (India)  
 Hamish Simpson (United Kingdom)  
 Martyn Snow (United Kingdom)  
 Jan Somers (Belgium)  
 Panayotis Soucacos (Greece)  
 J.V. Srinivas (India)  
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 Mohamed Sukeik (United Kingdom)  
 Jing Sun (China)  
 Sakae Tanaka (Japan)  
 Deven Taneja (India)

Juyu Tang (China)  
 Michel Teuben (Switzerland)  
 Mihir Thacker (United States)  
 Gowreeson Thevendran (Singapore)  
 George Thompson (United States)  
 Cesare Tiengo (Italy)  
 Tomas Trc (Czech Republic)  
 Hiroyuki Tsuchiya (Japan)  
 Osahiko Tsuji (Japan)  
 Graham Tytherleigh-Strong (United Kingdom)  
 Ryoko Uesato (Japan)  
 Dick Ronald Van Der Jagt (South Africa)  
 Albert Van Kampen (Netherlands)  
 Luc Van Overstraeten (Belgium)  
 Lee Van Rensburg (United Kingdom)  
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 Vilmos Vecsei (Austria)  
 Krish Vemulapalli (United Kingdom)  
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 Pascal Vie (France)  
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 Richard Von Bormann (South Africa)  
 Basil Vrettos (South Africa)  
 James Waddell (Canada)  
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 Shengru Wang (China)  
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 Peter Yau (Hong Kong)  
 Nicholas Yeo (Singapore)  
 Akos Zahar (Germany)  
 Rashad Zeynalov (Azerbaijan)  
 Ziqing Zhang (China)  
 Li Zhao (China)  
 Qingtang Zhu (China)  
 Qianyu Zhuang (China)

## Moderators

Special thanks also go to the Moderators below for giving their time to moderate the Free Paper, Short Free Paper, and Just-a-Minute (JAM) sessions during the Congress.

Stephen Abelow (United States)	Keith Luk (Hong Kong)
Peter Aldinger (Germany)	Narinder Magu (India)
Sadig Bendalla (Libya)	Rajesh Malhotra (India)
Craig Brown (South Africa)	Oliver Marin-Pena (Spain)
Cody Bünger (Denmark)	Duncan Mcguire (South Africa)
David Choon (Malaysia)	Joel Melton (United Kingdom)
Jae-Yoon Chung (South Korea)	Matt Morrey (United States)
Andrea Colombelli (Italy)	Hemant Pandit (United Kingdom)
Johan Davis (South Africa)	Hans-Christoph Pape (Switzerland)
Jan De Vos (South Africa)	Vikas Patel (United States)
Kamal Deep (United Kingdom)	Andre Peach (South Africa)
Anil Dhal (India)	Ram Prabhoo (India)
John Dormans (United States)	Johan Prins (South Africa)
Gian Du Preez (South Africa)	Andrew Quaille (United Kingdom)
Jacques Du Toit (South Africa)	Mohamed Rashed (Libya)
Robert Dunn (South Africa)	Maximilian Rudert (Germany)
Khaled Emara (Egypt)	Pietro Ruggieri (Italy)
Julio Fernandes (Canada)	Eduardo Salvati (United States)
Nando Ferreira (South Africa)	Marius Scarlat (France)
Margaret Fok (Hong Kong)	Reiner Schnettler (Germany)
Jose Sergio Franco (Brazil)	Frederic Schuind (Belgium)
Doron Frantzen (South Africa)	Ajoy Shetty (India)
Hitesh Gopalan (India)	Shantharam Shetty (India)
Dariush Gouran Savadkoochi (Iran)	Vijay Shetty (India)
Mahmoud Hafez (Egypt)	Kuldeep Stohr (United Kingdom)
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Thomas Hilton (South Africa)	Marek Synder (Poland)
Pierre Hoffmeyer (Switzerland)	Deven Taneja (India)
Joshua Hyman (United States)	Gowreeson Thevendran (Singapore)
Ajmal Ikram (South Africa)	Graham Tytherleigh-Strong (United Kingdom)
Eiji Itoi (Japan)	Dick Ronald Van Der Jagt (South Africa)
Anil Jain (India)	Lee Van Rensburg (United Kingdom)
Ashok Johari (India)	Krishna Vemulapalli (United Kingdom)
Koos Jordaen (South Africa)	Rene Verdonk (Belgium)
Srinath Kamineni (United States)	Gert Vlok (South Africa)
Cloris Kessler (Brazil)	Richard Von Bormann (South Africa)
Vikas Khanduja (United Kingdom)	Basil Vrettos (South Africa)
Nick Kruger (South Africa)	James Waddell (Canada)
Vijay Kumar (India)	Manuj Wadhwa (India)
Satish Kutty (United Kingdom)	Heinz Winkler (Austria)
Maritz Laubscher (South Africa)	Peter Yau (Hong Kong)



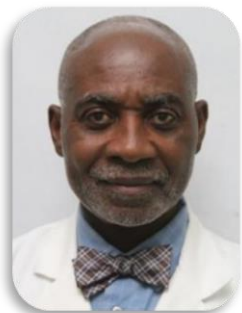
# Programme Colour Scheme

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

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

Videos & Debates
------------------

## Plenary Sessions



### Oheneba Boachie-Adjei

***Making state of the art orthopaedic and spine care sustainable in underserved regions: The FOCOS Paradigm – One man's journey and how it was done***

Thursday, 30 November – 12:30-13:00 – Auditorium II

Oheneba Boachie-Adjei is the President and Founder of the Foundation of Orthopedics and Complex Spine (FOCOS) and the CEO of FOCOS Hospital, Ghana. He is also an Emeritus Professor of Orthopaedic Surgery at Weill Cornell Medical College and Chief of the Scoliosis Service at the Hospital for Special Surgery (HSS).

He completed undergraduate studies at Brooklyn College where he received a Bachelor of Science (*summa cum laude*) in 1976. He received his Doctor of Medicine Degree from Columbia University's College of Physicians and Surgeons in 1980, completed an orthopaedic residency at HSS in 1986 and spine deformity fellowship at the Twin Cities Scoliosis Center, Minnesota.

He received the Scoliosis Research Society (SRS) Russell Hibbs Award for Best Clinical Research Paper in 1989, 2002 and 2013. He then received the Humanitarian Award in 2004 by the American Academy of Orthopaedic Surgeons (AAOS) and the Walter P. Blount Service Award in 2006 by the SRS. He was President of the Scoliosis Research Society for 2008-2009. In June 2013, he received the Lifetime Achievement Award from the Hospital for Special Surgery. He was featured on CNN's African Voices documentary 'Transforming Spine Surgery in Ghana'. In 2016, the University of Toledo, Ohio inducted him into their Global Medical Mission Hall of Fame. Earlier this year, he was granted the award for the Individual Philanthropist of the Year (Special Needs) by the Philanthropy Forum Ghana.

Prof Boachie-Adjei has published and lectured extensively on spine surgery, with special emphasis on surgery to correct spine deformity. He is an inventor who holds several patents for devices used in spine surgery.





## Fares Haddad

*Optimising outcomes in hip and knee surgery: the need for continued focused innovation*

Thursday, 30 November – 12:00-12:30 – Auditorium II

Fares Haddad is Professor of Orthopaedic and Sports Surgery and Divisional Clinical Director of Surgical Specialties at University College London Hospitals (UCLH) and Director of the Institute of Sport, Exercise and Health (ISEH) at University College London. He is also Editor in Chief of the Bone and Joint Journal (formerly JBJS-Br).

Prof Haddad's clinical and research endeavours have centred around hip and knee reconstruction. His interests include joint preservation after trauma and sports injuries, bearing surfaces, implant fixation, periprosthetic infection and outcomes assessment in hip, knee and revision surgery. His broader work also encompasses strategies to preserve and regain musculoskeletal health; he led the musculoskeletal team at the London Olympics 2012, was instrumental in setting up the National Centre for Sport & Exercise Medicine and has recently been awarded International Olympic Committee Centre of Excellence status at ISEH.

He was the gold medallist in the FRCS (Orth) exam and has gained a large number of prizes and prestigious academic awards. He has been an EFORT Travelling Fellow, British Hip Society Travelling Fellow and ABC Travelling Fellow in 2004. He was a Hunterian Professor in 2005. He is a member of the Hip Society, the Knee Society and of the International Hip Society.

He has presented and published widely on key aspects of hip, knee and sports surgery including over 300 peer reviewed publications. He leads a clinical research group with interests in joint preservation after injury, the genetic influences on bone and tendon disease, prosthetic design and performance and outcomes measurement after hip/knee injury, degeneration and surgery. He is Editor in Chief of the 'Bone and Joint Journal', and is on the editorial board of 'The Journal of Arthroplasty', 'Annals of the Royal College of Surgeons' and 'Hospital Medicine'.



## Ashok K. Johari

### *The magic of growth*

Friday, 1 December – 12:00-12:30 – Auditorium II

Ashok K. Johari is a Paediatric Orthopaedic and Spine surgeon based in Mumbai, India.

After a brilliant postgraduate career in orthopaedics, Dr Johari started specialising in paediatric orthopaedics in the early 1980s. He had further exposure in this field in Japan, England, France, United States and the then USSR. Eventually he spearheaded the development of this specialty in India with a leadership position in organising the Paediatric Orthopaedic Society of India (POSI) in 1994 as its Founder Secretary. This society has flourished and has interested many in pursuing paediatric orthopaedics as a career.

Dr Johari was the President of the Paediatric Orthopaedic Society of India (POSI). He has also been President of the Indian Orthopaedic Association (IOA), of the Indian Academy of Cerebral Palsy (IACP), and also the President of the Asia Pacific Knee Society (APKS). He is currently the Vice President and on the Board of Directors of SICOT and is also the Chairman of its Education Council. Dr Johari was the President of the very first SICOT Orthopaedic World Congress held in India in October 2013. He is the President Elect of the Asia Pacific Paediatric Orthopaedic Society (APPOS) and of the Asia Pacific Infection Society (APIS).

He has a number of distinctions, fellowships, awards, papers and publications to his credit including many book chapters. He is Chief Editor for the book series on 'Current Progress in Orthopaedics', Editor in Chief of the prestigious 'Journal of Paediatric Orthopaedics (B)' for over a decade now, and on the Editorial and Reviewer Boards of many other international journals. Dr Johari was awarded the FRCS from the London College and also honoured as a Fellow of the prestigious National Academy of Medical Sciences and as a Hon. Fellow of the Slovak Orthopaedic and Trauma Society.

## SICOT Research Award Papers

Friday, 1 December – 12:30-13:00 – Auditorium II

The SICOT Research Awards Programme is a new initiative by the current SICOT President, Prof S. Rajasekaran, and comprises three awards of USD 2,000 each. The winners of these awards were chosen on scientific merit by the newly formed Research Academy led by Prof Matt Dobbs following review of submitted manuscripts. The winning authors will be presenting their research in this session and the following Awards will be presented: 1) The SICOT Clinical Research Award, 2) The SICOT Basic Science Award, 3) The SICOT Young Investigator Award



## Partner Societies



AO **Alliance  
Foundation**

*Symposium – Orthopaedics/Trauma in Low-income Countries*

Thursday, 30 November – 08:00-10:00 – Room 1.41-1.42

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*Symposium – Prevention & Management of Periprosthetic Joint Infection*

Thursday, 30 November – 16:00-17:30 – Room 1.41-1.42

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

Saturday, 2 December – 08:00-10:00 – Room 1.61-1.62

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*Symposium – Tips & Tricks in Complex Cases*

Thursday, 30 November – 14:00-15:30 – Room 1.41-1.42

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*Symposium – The Great Foot & Ankle Debate: Tackling the Biggest Controversies in Foot & Ankle Surgery*

Friday, 1 December – 14:00-15:30 – Auditorium II

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**Association for Rational  
Treatment of Fractures**

*Symposium & Workshop – External Fixation in Damage Control & Beyond*

Friday, 1 December – 14:00-15:30 – Room 1.43-1.44





**Dual Mobility  
International  
Society**

*Symposium – Dual Mobility*

Saturday, 2 December – 08:00-10:00 – Room 2.41-2.43

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**FFN**

**Fragility Fracture Network**  
*of the Bone and Joint Decade*



*Symposium – Hip Fracture Care: From Surgery to  
Secondary Prevention*

Saturday, 2 December – 08:00-10:00 – Room 1.41-1.42

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**Hull Deformity**

*Symposium – Tibial Deformity: Analysis & Management*

Friday, 1 December – 10:30-12:00 – Roof Terrace

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**I C R S**

**International Cartilage Repair Society**

*Symposium (with SICOT) – One Step Cartilage Repair:  
Current Concepts in 2017*

Friday, 1 December – 14:00-15:30 – Roof Terrace

*Symposium (with SICOT) – The Advent of a New Powerful  
Orthobiologic Drugstore*

Friday, 1 December – 16:00-17:30 – Roof Terrace

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*Symposium – The Post-traumatic Osteoarthritic Knee*

Friday, 1 December – 14:00-15:30 – Room 2.44-2.45

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*Symposium*

Thursday, 30 November – 10:30-12:00 – Room 1.41-1.42



## 7<sup>th</sup> SICOT Educational Day – The Hip

**Date** Wednesday, 29 November  
**Time** 08:30-17:00  
**Venue** Roof Terrace, Cape Town International Convention Centre

The needs of orthopaedic residents, fellows and practising orthopaedic surgeons around the world are evolving constantly. At the same time, evidence-based knowledge in orthopaedics is expanding at a rapid rate. Moreover, all the residents around the world need to take exams at some stage in their career to mark completion of training and/or demonstrate competency. Also, practising orthopaedic surgeons do have to undergo some form of appraisal and/or revalidation at regular intervals to demonstrate fitness to practise. In both these scenarios, acquiring and updating knowledge in a short span of time is essential. The SICOT Educational Day was conceived with this purpose in mind.

The aim of this day is to provide a comprehensive review course for the residents and an evidence-based update for the practising surgeons on a specific theme at each SICOT Congress. The format of the day consists of four to six short lectures in each section followed by ample time for case discussions and debates and ample breaks. The first Educational Day was held in Prague with the theme of “The Hip”, and subsequent to this we have had 5 more of these days at each SICOT Congress and the response has been overwhelming with an excellent feedback. We have trained over 750 surgeons in the past 6 years and completed a whole cycle of the syllabus required to sit the SICOT Diploma Examination.

We commence our cycle again in Cape Town, South Africa, and the theme for this year is “The Hip”. As in the previous years, the day will focus on all the elements of hip surgery right from anatomy and surgical approaches to complex case discussions. Dedicated faculty along with key opinion leaders from around the world will be lecturing on the day. So, if you wish to learn, share, debate and discuss ideas and surgical techniques in an exciting environment with a group of international surgeons in one room, the Educational Day is the place for you. We look forward to seeing you there!

### **Vikas Khanduja**

*Chairman of the SICOT Educational Day*





## Wednesday, 29 November

### Roof Terrace

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

*Chairman:*

Vikas KHANDUJA (UNITED KINGDOM)

#### **WELCOME & INTRODUCTION**

Vikas KHANDUJA (UNITED KINGDOM)

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

Fatih KUCUKDURMAZ (TURKEY)

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

*Moderator:*

Patricia FUCS (BRAZIL)

#### **DEVELOPMENTAL DYSPLASIA OF THE HIP (BEFORE WALKING AGE)**

Joshua HYMAN (UNITED STATES)

#### **DEVELOPMENTAL DYSPLASIA OF THE HIP (AFTER WALKING AGE)**

Ashok JOHARI (INDIA)

#### **PERTHES DISEASE**

Krish VEMULAPALLI (UNITED KINGDOM)

#### **SLIPPED CAPITAL FEMORAL EPIPHYSIS**

Shantharam SHETTY (INDIA)

#### **INTERACTIVE CLINICAL CASES (THREE)**

John DORMANS (UNITED STATES)

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

*Moderator:*

Emmanuel AUDENAERT (BELGIUM)

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

Satish KUTTY (UNITED KINGDOM)

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

Zachary POST (UNITED STATES)



**BASIC BIOMECHANICS OF THE HIP JOINT**

Emmanuel AUDENAERT (BELGIUM)

**CLINICAL EXAMINATION OF THE HIP JOINT**

Anil RANAWAT (UNITED STATES)

**IMAGING OF THE HIP JOINT**

Jan SOMERS (BELGIUM)

11:00 - 11:30 *Break*

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

*Moderator:*

Hatem SAID (EGYPT)

**ACETABULAR FRACTURES & DISLOCATIONS**

Arindam BANERJEE (INDIA)

**INTRACAPSULAR FRACTURES OF THE FEMORAL NECK**

Jan DE VOS (SOUTH AFRICA)

**EXTRACAPSULAR FRACTURES OF THE FEMORAL NECK**

Hatem SAID (EGYPT)

**STRESS FRACTURES OF THE FEMORAL NECK**

Vijay SHETTY (INDIA)

**PERIPROSTHETIC FRACTURES AROUND THE HIP**

Robert MCLENNON SMITH (SOUTH AFRICA)

**INTERACTIVE CLINICAL CASES (THREE)**

Hatem SAID (EGYPT)

13:00 - 13:30 *Break*

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

*Moderator:*

Vikas KHANDUJA (UNITED KINGDOM)

**THE DYSPLASTIC HIP**

Ajay MALVIYA (UNITED KINGDOM)

**FEMOROACETABULAR IMPINGEMENT**

Thane MUNTING (SOUTH AFRICA)

**AVASCULAR NECROSIS OF THE FEMORAL HEAD**

Anil RANAWAT (UNITED STATES)

**EXTRA-ARTICULAR HIP IMPINGEMENT SYNDROMES**

Vikas KHANDUJA (UNITED KINGDOM)

**INTERACTIVE CLINICAL CASES (TWO)**

Thane MUNTING (SOUTH AFRICA)

14:20 - 15:00

**Procedures Around the Hip Joint**

*Moderator:*

Peter YAU (HONG KONG)

**HIP ARTHROSCOPY**

Vikas KHANDUJA (UNITED KINGDOM)

**HIP ARTHRODESIS**

Fatih KUCUKDURMAZ (TURKEY)

**OSTEOTOMIES AROUND THE HIP JOINT**

Ajay MALVIYA (UNITED KINGDOM)

**EXCISION ARTHROPLASTY OF THE HIP**

Rene VERDONK (BELGIUM)

15:00 - 15:30

*Break*

15:30 - 16:30

**Primary Total Hip Replacement**

*Moderator:*

Ashok JOHARI (INDIA)

**PRINCIPLES OF PRIMARY THR**

Zachary POST (UNITED STATES)

**FIXATION IN PRIMARY THR**

Jan SOMERS (BELGIUM)

**BEARING SURFACES IN PRIMARY THR**

Tomas TRC (CZECH REPUBLIC)

**THE DIFFICULT PRIMARY THR**

Rajesh MALHOTRA (INDIA)

**COMPLICATIONS FOLLOWING THR**

Anant MAHAPATRA (IRELAND)

**INTERACTIVE SESSION (3 CASES)**

Alan NORRISH (UNITED KINGDOM)



16:30 - 17:00

## Revision Total Hip Replacement

*Moderator:*

Vikas KHANDUJA (UNITED KINGDOM)

### **PRINCIPLES OF REVISION – ASEPTIC LOOSENING**

Satish KUTTY (UNITED KINGDOM)

### **PRINCIPLES OF REVISION – INFECTED THR**

Alan NORRISH (UNITED KINGDOM)

### **OUTCOMES FOLLOWING THR – REGISTRY DATA**

Jan DE VOS (SOUTH AFRICA)

### **CLOSING REMARKS AND EVALUATION**

Vikas KHANDUJA (UNITED KINGDOM)



# 24<sup>th</sup> Cooperative Course for Polytrauma Management

**Date** Wednesday, 29 November

**Time** 08:45-18:00

**Venue** Room 2.61-2.62, Cape Town International Convention Centre



The idea of this course was initiated by Prof Peter Giannoudis and Prof Hans-Christoph Pape in 2002 with the first course being held in 2002 in Leeds, United Kingdom. Since then, it has circulated and part of it has also been implemented in the philosophy of the AO.

The organisers feel that the widespread implementation of the ATLS algorithm has tremendously improved the acute treatment of severely injured patients. Following the initial resuscitation phase, controversies and ongoing changes have occurred that are worth reviewing. Therefore, these courses address the issues “Beyond ATLS”.

In cooperation with University Hospital Zurich (Prof Pape), Hannover Medical School (Prof Krettek), University Hospitals in Leeds (Prof Giannoudis) and Pittsburgh University Medical Center (Prof Peitzman) we intend to unite the knowledge of general surgeons, neurosurgeons, orthopaedic trauma surgeons, and intensive care and emergency physicians.



There will be international experts in traumatology sharing their experiences during the course. It will be conducted in English and all participants will receive a certificate.



**Wednesday, 29 November**

**Room 2.61-2.62**

08:45 - 10:00

### **General Considerations**

*Moderators:*

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

#### **EPIDEMIOLOGY, PATTERN OF MORTALITY, DEFINITION OF POLYTRAUMA**

Roman PFEIFER (SWITZERLAND)

#### **ROAD SAFETY**

Guenter LOB (GERMANY)

#### **INITIAL MANAGEMENT OF SEVERE HAEMORRHAGE AND CHEST TRAUMA**

Hans-Christoph PAPE (SWITZERLAND)

#### **EARLY DIAGNOSTIC PROCEDURES**

Michel TEUBEN (SWITZERLAND)

10:00 - 10:30

*Break*

10:30 - 11:30

### **Special Problems I**

*Moderators:*

Vilmos VECSEI (AUSTRIA), Gershon VOLPIN (ISRAEL)

#### **STRATEGIES AND TREATMENT OF BRAIN INJURIES**

Stephan FRENZEL (AUSTRIA)

#### **ABDOMINAL INJURIES: INDICATIONS FOR SURGERY**

Vilmos VECSEI (AUSTRIA)

#### **ETC VERSUS DCO**

Gershon VOLPIN (ISRAEL)

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

Roman PFEIFER (SWITZERLAND)

11:30 - 12:00

### **Case Session I**

*Moderators:*

Stephan FRENZEL (AUSTRIA), Vilmos VECSEI (AUSTRIA)



12:00 - 13:30 *Break*

13:30 - 14:30 **Special Problems II**

*Moderators:*

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

**AMPUTATION VERSUS RECONSTRUCTION**

David HAK (UNITED STATES)

**SIRS AND MODS IN THE ICU**

Michel TEUBEN (SWITZERLAND)

**PENETRATING INJURIES**

Gerhard ACHATZ (GERMANY)

14:30 - 15:00 **Video Session**

*Moderator:*

Ruben PERALTA (QATAR)

**VIDEO: EMERGENCY THORACOTOMY**

Ruben PERALTA (QATAR)

**VIDEO: ABDOMINAL PACKING / PELVIC PACKING**

Gerhard ACHATZ (GERMANY)

15:00 - 15:30 *Break*

15:30 - 16:30 **Orthopaedic Emergencies/Urgencies**

*Moderators:*

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

**OPEN FRACTURES / SOFT TISSUE MANAGEMENT**

Thami BENZAKOUR (MOROCCO)

**WHICH SPINAL FRACTURES REQUIRE EMERGENCY SURGERY?**

Shanmuganathan RAJASEKARAN (INDIA)

**STABILISATION OF HEMODYNAMICALLY UNSTABLE PATIENTS WITH PELVIC INJURIES**

David HAK (UNITED STATES)



16:30 - 17:00

## Reconstruction & Outcome

*Moderators:*

Roman PFEIFER (SWITZERLAND), Ramesh SEN (INDIA)

### **TREATMENT OF BONE DEFECTS**

Roman PFEIFER (SWITZERLAND)

### **OBJECTIVE OUTCOME AFTER POLYTRAUMA**

Roman PFEIFER (SWITZERLAND)

17:00 - 18:00

## Case Session II & Practical Exercise: Definition of Polytrauma

*Moderators:*

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





# Thursday, 30 November

Time	Auditorium II	Roof Terrace	Room 2.41-2.43	Room 2.44-2.45	Room 2.61-2.66
08:00-10:00	Invited Lecture & Free Papers <b>Upper Limb Trauma</b>  Page 46	Invited Lecture & Free Papers <b>Hip Preservation &amp; Fractures</b>  Page 49	Invited Lecture & Free Papers <b>Paediatrics I</b>  Page 54	Invited Lecture & Free Papers <b>Sports Medicine: Meniscus</b>  Page 58	<b>Symposium Total Knee Replacement I</b>  Page 64
10:00-10:30	Break				
10:30-12:00	<b>Symposium Polytrauma</b>  Page 47	<b>Symposium What's New in Total Hip Arthroplasty &amp; How to Avoid Complications?</b>  Page 51	<b>Symposium Update in Management of Clubfoot</b>  Page 56	<b>Symposium Sports Medicine: Update on the Meniscus</b>  Page 59	Invited Lecture & Free Papers <b>Knee I</b>  Page 65
12:00-12:30	<b>Plenary Lecture (in Auditorium II) – FARES HADDAD</b>				
12:30-13:00	<b>Plenary Lecture (in Auditorium II) – OHENEBA BOACHIE-ADJEI</b>				
13:00-14:00	Break	Industry-Sponsored Symposium	Break		
14:00-15:30	<b>Symposium Complex Unique Fractures</b>  Page 48	Invited Lecture & Free Papers <b>Hip Complications &amp; Instability</b>  Page 52	<b>Symposium Paediatrics: Leg Length Discrepancy</b>  Page 56	<b>Symposium Sports Medicine: My Favourite Anterior Cruciate Ligament Reconstruction / Ligament Injuries in the Knee</b>  Page 60	<b>Symposium Total Knee Replacement II</b>  Page 63
15:30-16:00	Break				
16:00-17:30		<b>Symposium Proximal Femoral Fractures</b>  Page 53	<b>Free Papers Paediatrics II</b>  Page 57	<b>Free Papers Sports Medicine: Anterior Cruciate Ligament</b>  Page 61	<b>Symposium Pain &amp; Perioperative Care</b>  Page 66
18:00-19:30	<b>OPENING CEREMONY</b>				



Room 1.41-1.42	Room 1.43-1.44	Room 1.61-1.62	Room 1.63	Room 1.64	Exhibition Hall
<b>AOAF Symposium Orthopaedics/ Trauma in Low-income Countries</b>  Page 66	<b>Invited Lecture &amp; Free Papers Hand I</b>  Page 70	<b>Free Papers Spine: General</b>  Page 74	<b>Invited Lecture &amp; Free Papers Research I</b>  Page 78	<b>Invited Lecture &amp; Short Free Papers Foot &amp; Ankle</b>  Page 82	
<i>Break</i>					JAM – Sports Medicine & Spine
<b>WOC Symposium</b>  Page 67	<b>Symposium The Hand in Sports I</b>  Page 71	<b>Symposium Global Spine Care</b>  Page 75	<b>Symposium Research Methodology</b>  Page 79	<b>Short Free Papers Shoulder</b>  Page 84	
<i>Break</i>					
<b>AOTrauma Europe Symposium Infection after Fracture Fixation</b>  Page 68	<b>Symposium The Hand in Sports II</b>  Page 72	<b>Symposium Scoliosis Research Society: Complex Spine &amp; Deformity</b>  Page 76	<b>Symposium Research in Fracture Healing / Tendon &amp; Ligament Healing</b>  Page 80	<b>Short Free Papers Tumours &amp; Miscellaneous</b>  Page 86	
<i>Break</i>					JAM – Research, Paediatrics, Hand, Shoulder & Elbow
<b>AORecon Symposium Prevention &amp; Management of Periprosthetic Joint Infection</b>  Page 69	<b>Invited Lecture &amp; Free Papers Hand II</b>  Page 73	<b>Free Papers Spine Deformity</b>  Page 77	<b>Invited Lecture &amp; Free Papers Research II</b>  Page 81	<b>Short Free Papers Trauma</b>  Page 87	





## Thursday, 30 November

### Auditorium II

08:00 - 10:00 **Invited Lecture & Free Papers – Upper Limb Trauma**

*Moderators:*

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

**Invited Speaker**

**STERNOCLAVICULAR ARTHROSCOPY – RECENT ADVANCES**

Graham TYTHERLEIGH-STRONG (UNITED KINGDOM)

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

Amiya BERA (INDIA)

**48777 UPPER LIMB GUNSHOT INJURIES: THE CAPE TOWN EXPERIENCE**

Esmee ENGLMANN<sup>1</sup>, Sithombo MAQUNGO<sup>2</sup>, Stephen ROCHE<sup>2</sup>, Michael HELD<sup>2</sup>  
<sup>1</sup>(NETHERLANDS), <sup>2</sup>(SOUTH AFRICA)

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

Johan CHARILAOU<sup>1</sup>, Stephen ROCHE<sup>1</sup>, Dey ROOPAM<sup>1</sup>, Sudesh SIVARASU<sup>1</sup>, Frida HANSSON<sup>2</sup>, Ruan VAN STADEN<sup>1</sup>, Sithombo MAQUNGO<sup>1</sup>, Carey LINDEN<sup>1</sup>  
<sup>1</sup>(SOUTH AFRICA), <sup>2</sup>(SWEDEN)

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

Pavel VOLOTOVSKI, Aleh KORZUN (BELARUS)

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

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

**48792 THE MANAGEMENT OF ADULT OLECRANON FRACTURES**

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

**48709 LOCKING PLATE FIXATION OF COMMINUTED OLECRANON FRACTURES**

Abhinandan KOTIAN, Santosh JEEVANNAVAR (INDIA)

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

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



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

10:00 - 10:30 *Break*

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

*Moderators:*

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

**TRAUMA REGISTRY DATA: TARN**

Rebecca HASLER (SWITZERLAND)

**INITIAL ASSESSMENT OF POLYTRAUMATISED PATIENT**

Roman PFEIFER (SWITZERLAND)

**DEBATE: THE OPTIMAL PATIENT FOR EARLY TOTAL CARE**

James WADDELL (CANADA)



**DEBATE: WHY I PERFORM DCO**

Gershon VOLPIN (ISRAEL)

**HOW TO HANDLE DELAYED PRESENTATION**

Fred OTSYENO (KENYA)

**DAMAGE CONTROL OF MANGLED LIMBS**

Reiner SCHNETTLER (GERMANY)

**POLYTRAUMA – THE TIME OF SURGERY: CASE BASED SESSION**

Vilmos VECSEI (AUSTRIA)

**DISCUSSION**

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

*Chairmen:*

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

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

Fares HADDAD (UNITED KINGDOM)

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

*Chairmen:*

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

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

Oheneba BOACHIE-ADJEI (GHANA)

13:00 - 14:00 *Break*

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

*Moderators:*

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

**4-PART HUMERUS AND FRACTURE DISLOCATIONS**

Jose Sergio FRANCO (BRAZIL)



**DISPLACED INTRA-ARTICULAR FRACTURES OF THE GLENOID OF THE SHOULDER**

Gershon VOLPIN (ISRAEL)

**SURGICAL TREATMENT OF UNSTABLE CERVICAL SPINE FRACTURE**

Jordan SAVESKI (MACEDONIA)

**COMPLEX ANKLE FRACTURES AND DISLOCATION**

Luis LOPEZ-DURAN STERN (SPAIN)

**COMPLEX FRACTURES OF THE ELBOW**

Lee VAN RENSBURG (UNITED KINGDOM)

**UNSTABLE THORACOLUMBAR SPINE FRACTURES**

Shanmuganathan RAJASEKARAN (INDIA)

**DISCUSSION**

18:00 - 19:30

**OPENING CEREMONY**

*Please see page 195 for more information.*



**Thursday, 30 November**  
**Roof Terrace**

08:00 - 10:00

**Invited Lecture & Free Papers – Hip Preservation & Fractures**

*Moderators:*

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

*Invited Speaker*

**ARTHROPLASTY AND HIV**

Dick Ronald VAN DER JAGT (SOUTH AFRICA)

47282

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

Yutaka KURODA, Shuichi MATSUDA (JAPAN)

47360

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

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



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

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

10:00 - 10:30 *Break*

10:30 - 12:00 **Symposium – What's New in Total Hip Arthroplasty & How to Avoid Complications?**

*Moderators:*

Jacques CATON (FRANCE), Andre FERREIRA (FRANCE)

**MODERN CONSTRAINED CUPS**

Philippe HERNIGOU (FRANCE)

**DIRECT ANTERIOR APPROACH: IMPROVEMENT OR VOGUE?**

Sebastien LUSTIG (FRANCE)

**CHECKLIST MANDATORY?**

Jacques CATON (FRANCE)

**MODERN CEMENTLESS STEM AND SHORT STEM**

Jean Marc PUCH (FRANCE)

**BIG HEADS**

Fares HADDAD (UNITED KINGDOM)

**HXLPE**

Alessandro BISTOLFI (ITALY)

**DUAL MOBILITY CUP**

Jean-Louis PRUDHON (FRANCE)



## FAST TRACK

Fatih KUCUKDURMAZ (TURKEY)

## CONCLUSIONS

Andre FERREIRA (FRANCE)

## DISCUSSION

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

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

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

*Please see page 205 for more information.*

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

*Moderators:*

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

*Invited Speaker*

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

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

**47718 ECONOMIC COST OF DISLOCATION IN THA IN FRANCE**

Jacques CATON, Andre FERREIRA, Patrice PAPIN (FRANCE)

**46944 DOES ACETABULAR COMPONENT POSITIONING IN THA WITH REFERENCE TO TRANSVERSE ACETABULAR LIGAMENT HELP? A CT BASED STUDY**

Sidhant GOYAL, Dhanrajan GOKUL RAJ, Umashankar THIYAGARAJAN (INDIA)

**47923 INSTABILITY IN THR – PREVENTION & MANAGEMENT**

Chetan SOOD (INDIA)

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

15:30 - 16:00 *Break*

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

*Moderator:*

Jacques CATON (FRANCE)

**CLASSIFICATION AND PRE-OPERATIVE PLANNING**

Fatih KUCUKDURMAZ (TURKEY)

**ORIF**

James WADDELL (CANADA)

**CEMENTED ARTHROPLASTIES**

Laszlo BUCSI (HUNGARY)

**CEMENTLESS ARTHROPLASTIES**

Andre FERREIRA (FRANCE)

**ARTHROPLASTIES BY TRANSTROCHANTERIAN APPROACH**

Hassan BOMBACI (TURKEY)

### COMPLICATIONS

Philippe HERNIGOU (FRANCE)

### DELAYED OR NON-UNION

Narinder MAGU (INDIA)

### DUAL MOBILITY CUP

Jean-Louis PRUDHON (FRANCE)

### ALGORITHM INDICATIONS

Lyes Aitelhadj AL (ALGERIA)

### ECONOMIC ISSUES

Jacques CATON (FRANCE)

### CONCLUSION

Jacques CATON (FRANCE)



**Thursday, 30 November**

**Room 2.41-2.43**

08:00 - 10:00

**Invited Lecture & Free Papers – Paediatrics I**

*Moderators:*

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

*Invited Speaker*

**PAEDIATRIC ELBOW FRACTURES YOU CAN TREAT**

Joshua HYMAN (UNITED STATES)

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

Nicholas LUBEGA, Hilary MAKIWA (MALAWI)

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

Viachaslau BRADKO, Heorhi BRADKO, Alexander BELETSKY (BELARUS)

**46992 RELAPSE OF DEFORMITY AFTER PONSETI TREATMENT OF CLUBFOOT**

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

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

Hatem Ahmed KOTB (EGYPT)



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

10:00 - 10:30 *Break*



10:30 - 12:00

## Symposium – Update in Management of Clubfoot

*Moderator:*

Patricia FUCS (BRAZIL)

### **BEHIND THE CLINICAL ASPECTS**

Matthew DOBBS (UNITED STATES)

### **COMPLEX AND NEGLECTED CASES**

Matthew DOBBS (UNITED STATES)

### **CLASSICAL PONSETI METHOD**

Kuldeep STOHR (UNITED KINGDOM)

### **THE NEED TO ADAPT THE PONSETI METHOD**

Krish VEMULAPALLI (UNITED KINGDOM)

### **CLUBFOOT – PONSETI METHOD AND GAIT ANALYSIS**

Li ZHAO (CHINA)

### **NON-IDIOPATHIC CLUBFOOT**

Patricia FUCS (BRAZIL)

### **DISCUSSION**

12:00 - 12:30

*Plenary Lecture – FARES HADDAD (in Auditorium II)*

12:30 - 13:00

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

13:00 - 14:00

*Break*

14:00 - 15:30

## Symposium – Paediatrics: Leg Length Discrepancy

*Moderator:*

Mihir THACKER (UNITED STATES)

### **JUST LENGTHENING**

Reggie HAMDY (CANADA)

### **COMPLEX CASES TO LENGTHEN**

Gamal HOSNY (EGYPT)

### **SALVAGE PROCEDURES IN LENGTHENING**

Ashok JOHARI (INDIA)



## DIFFICULTIES IN LENGTHENING IN CHILDREN

Aik SAW (MALAYSIA)

## THE ROLE OF EPIPHYSIODESES

Mihir THACKER (UNITED STATES)

## DISCUSSION

15:30 - 16:00 *Break*

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

*Moderators:*

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

**47860 LONG-TERM RESULTS OF FIBULAR-ACHILLES TENODESIS (WESTIN'S TENODESIS) FOR PARALYTIC PES CALCANEUS: IS HYPERCORRECTION AVOIDABLE? A LONGITUDINAL RETROSPECTIVE STUDY**

Patricia M. Moraes Barros FUCS, Helder Henzo YAMADA (BRAZIL)

**48600 RISK FACTORS FOR UNDERCORRECTION OF PLANOVALGUS FEET IN CEREBRAL PALSY AFTER THE TRIPLE C PROCEDURE**

Ahmed OMRAN, Mostafa ELSHERBINI, Osama ELSHAZLY, Mohammed MOKHTAR, Rana EL-HILALY (EGYPT)

**47441 ADEQUATE SCOLIOSIS CORRECTION MAY PREVENT FURTHER HIP SUBLUXATION/DISLOCATION IN SPINAL MUSCULAR ATROPHY (SMA) PATIENTS AFTER SURGERY**

Po-Yin SHEN, Po-Chih SHEN, Yin-Chun TIEN, Hui-Yu WANG, Chin-Wei HUANG, Chien-Ju LIU (TAIWAN)

**48000 PULMONARY FUNCTION AND SURVIVAL OUTCOMES IN DUCHENNE MUSCULAR DYSTROPHY SCOLIOSIS (COMPARISON OF THE DIFFERENCES BETWEEN SURGICAL AND NON-SURGICAL TREATMENT)**

Hak Sun KIM, Seungjin CHOI, Kichan AHN, Joong Won HA (SOUTH KOREA)

**46912 SPRENGEL SHOULDER –SINGLE CENTRE EXPERIENCE 2000/2016**

Petra HAMRIKOVA, David Bruce MCDONALD, Zayed Saleh AL ZAYED (SAUDI ARABIA)

**48408 NON-VASCULARISED FREE TOE PHALANX TRANSFERS IN CONGENITAL HAND DEFORMITIES**

Bruno CORREIA, Pedro BARREIRA, Pedro SERRANO, Marta SILVA, César SILVA (PORTUGAL)



- 47209 **SURGICAL CORRECTION OF CERVICAL KYPHOSIS IN DIASTROPHIC DYSPLASIA WITH ANTERIOR CORPECTOMY, POSTERIOR TETHERING WITH 36° FUSION**  
Mihir THACKER, William MACKENZIE, John HEYDEMANN, Kenneth ROGERS, Jeffrey CAMPBELL, Suken SHAH (UNITED STATES)
- 46183 **RESULTS OF USING A 4-HOLE PLATE TO CORRECT LEG LENGTH DISCREPANCY**  
Sergei SERDJUCHENKO, Alexander BELETSKY, Aleh SAKALOUSKI (BELARUS)
- 46661 **“TEMPORARY” SHORT-SEGMENT RIGID INTERNAL FIXATION FOR TEENAGERS’ ISTHMUS SPONDYLOLYSIS**  
Yun-Fei HUANG, Meng YIBIN, Xin HE, Xukai XUE, Lei GUO (CHINA)
- 48642 **MODELLING THORACOPLASTY IN PATIENTS WITH IDIOPATHIC SCOLIOSIS – PROSPECTIVE CONTROLLED STUDY**  
Oleg DULUB, Darya TESAKOVA, Alexander BELETSKY, Andrey MAZURENKA, Dmitry TESAKOV (BELARUS)
- 48512 **BILATERAL DISPLACED LATE PRESENTING ASYNCHRONOUS TRAUMATIC SALTER HARRIS TYPE II TRANSPHYSEAL HIP FRACTURES**  
Khaled EL ADWAR (EGYPT)



**Thursday, 30 November**

**Room 2.44-2.45**

08:00 - 10:00

**Invited Lecture & Free Papers – Sports Medicine: Meniscus**

*Moderators:*

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

*Invited Speaker*

**UPDATE ON THE MENISCAL REPLACEMENT**

Rene VERDONK (BELGIUM)

- 48467 **ARTHROSCOPIC REDUCTION AND INTERNAL FIXATION WITH CANNULATED CANCELLOUS SCREWS FOR TIBIAL AVULSION FRACTURES – CLINICAL AND FUNCTIONAL OUTCOME OF 50 PATIENTS**  
Sahil SANGHAVI (INDIA)
- 47635 **HISTOPATHOLOGICAL AUDIT OF ARTHROSCOPIC SYNOVIAL BIOPSIES DONE FOR PERSISTENT KNEE EFFUSIONS**  
Thando NCUBE, Sebastian MAGOBOTHA (SOUTH AFRICA)

- 47451 **EFFECT OF TIMING ON OUTCOMES OF ACL SURGERY**  
Joseph Benjamin KANG, Andrew Hwee Chye TAN (SINGAPORE)
- 46711 **PROGRESSIVE POSTERIOR ROOT TEARS OF THE LATERAL MENISCUS – BIOMECHANICAL CONSEQUENCES**  
Indranil KUSHARE, Saankritya AYAN, Allison FILLAR, Brent PARKS, Adrian PAEZ, James DREESE (UNITED STATES)
- 47411 **A COMPARISON OF ACCURACY OF CLINICAL TESTS AND MRI IN THE DIAGNOSIS OF MENISCAL AND ANTERIOR CRUCIATE LIGAMENT INJURIES**  
Jamlick Micheni MUTHUURI (KENYA)
- 47471 **EXTENDED BLOCKADE OF PERIPHERAL PLEXUSES OF THE LOWER LIMBS AT ARTHROSCOPIC OPERATIONS IN CHILDREN**  
Elena ARESTOVA (RUSSIA)
- 46547 **EARLY CLINICAL RESULTS OF THE ACL-INTERNAL PILLAR: A TECHNIQUE TO PREVENT EARLY POSTOPERATIVE STRETCH OF THE HAMSTRING TENDON AUTOGRAFT AFTER ACL RECONSTRUCTION**  
Mohamed ABOALATA, Abdelsamie HALAWA, Yehia BASSIOUNY (EGYPT)
- 47956 **PRE-OPERATIVE JOINT INFLAMMATION: A PROGNOSTIC FACTOR FOR OUTCOME OF ARTHROSCOPIC ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION – A PROSPECTIVE STUDY**  
Sourabh KHATRI, Ravi GUPTA, Vikas BACHHAL, Anil KAPOOR, David MASIH GLADSON, Mukta RAGHAV (INDIA)
- 47198 **ELECTRON AND LIGHT MICROSCOPIC ANALYSIS OF THE “LIGAMENTISED” ACL AUTOGRAFT: EVOLUTION OF THE GRAFT AND PRESENCE OF NERVE CELLS**  
Ram Gautham GANESAN, Jai Thilak KAILATHUVALAPIL (INDIA)

10:00 - 10:30 *Break*

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

*Moderators:*

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

**ESSKA STATEMENT REGARDING DEGENERATE MENISCAL TEARS**

Rene VERDONK (BELGIUM)

**BASIC SCIENCE OF THE MENISCUS – ANATOMY & BIOMECHANICS**

Frankie LEUNG (HONG KONG)

**VIDEO: MENISCAL REPAIR TECHNIQUES**

Peter YAU (HONG KONG)



**MANAGING MENISCAL CYSTS**

Alan NORRISH (UNITED KINGDOM)

**MENISCAL ROOT TEARS – ANATOMY & MANAGEMENT**

Michael HELD (SOUTH AFRICA)

**UPDATE ON MENISCAL ALLOGRAFTS**

Joel MELTON (UNITED KINGDOM)

**UPDATE ON MENISCAL SCAFFOLDS**

Rene VERDONK (BELGIUM)

**OSTEOTOMIES FOR EARLY OA**

Albert VAN KAMPEN (NETHERLANDS)

**DISCUSSION**

12:00 - 12:30

*Plenary Lecture – FARES HADDAD (in Auditorium II)*

12:30 - 13:00

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

13:00 - 14:00

*Break*

14:00 - 15:30

**Symposium – Sports Medicine: My Favourite Anterior Cruciate Ligament Reconstruction**

*Moderators:*

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

**ACL I**

Stephen ABELOW (UNITED STATES)

**ACL II**

Joel MELTON (UNITED KINGDOM)

**ACL III**

Rene VERDONK (BELGIUM)

**ACL IV**

Pedro GUILLEN (SPAIN)

**ACL V**

Vikas KHANDUJA (UNITED KINGDOM)

**ACL VI**

Peter YAU (HONG KONG)

**DISCUSSION**

**Symposium – Sports Medicine: Ligament Injuries in the Knee**

*Moderators:*

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

**POSTEROLATERAL CORNER INJURIES**

Richard VON BORMANN (SOUTH AFRICA)

**MCL AND POSTERIOR OBLIQUE LIGAMENT INJURIES**

Joel MELTON (UNITED KINGDOM)

**PCL INJURIES IN THE KNEE**

Vikas KHANDUJA (UNITED KINGDOM)

**PRINCIPLES OF MANAGEMENT OF MULTILIGAMENT KNEE INJURIES**

Michael HELD (SOUTH AFRICA)

**PATELLAR INSTABILITY**

Albert VAN KAMPEN (NETHERLANDS)

**DISCUSSION**

15:30 - 16:00 *Break*

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

*Moderators:*

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

- 47596 **IS ACL GRAFT RUPTURE (AFTER SUCCESSFUL ACL RECONSTRUCTION AND RETURN TO SPORTS) ACTUALLY A GRAFT FAILURE OR A RE-INJURY?**  
Anubhav MALHOTRA, Ravi GUPTA, Munish SOOD, Gladson David MASIH, Mukta RAGHAV (INDIA)
- 47379 **PRE-SOAKING OF HAMSTRING GRAFTS REDUCES RISK OF INFECTION AFTER ACL RECONSTRUCTION – A PROSPECTIVE STUDY INCLUDING 1,000 PATIENTS**  
Christoph OFFERHAUS, Jürgen HÖHER, Maurice BALKE, Mats GEHLING (GERMANY)
- 46974 **FEASIBILITY AND COMPARISON OF FUNCTIONAL ULTRASONOGRAPHY (USG) IN DIAGNOSING ANTERIOR CRUCIATE LIGAMENT INJURY AS COMPARED TO GOLD STANDARD – MAGNETIC RESONANCE IMAGING (MRI)**  
Sudeep KUMAR (INDIA)

- 46860 PREDICTORS OF RETURN TO SPORTS AFTER ACL RECONSTRUCTION**  
Ravi GUPTA, Anil KAPOOR, Ashwani SONI, Sourabh KHATRI, Gladson David MASIH, Mukta RAGHAV (INDIA)
- 47994 POSITIONING OF ANTERIOR HORN BONE PLUG IN MEDIAL MENISCUS TRANSPLANTATION WITH ACL RECONSTRUCTION**  
Cheol Hee PARK, Jung Suk KIM, Kyoung Ho YOON, Sang Eun PARK, Se Min LEE (SOUTH KOREA)
- 47952 ROLE OF PREOPERATIVE SYNOVIAL FLUID CYTOKINE MARKERS AND TYPE OF GRAFT IN CAUSING BONE TUNNEL WIDENING IN ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION: A PROSPECTIVE STUDY ON ELITE PLAYERS**  
Sourabh KHATRI, Ravi GUPTA, Vikas BACHHAL, Anil KAPOOR, David MASIH GLADSON, Mukta RAGHAV (INDIA)
- 48360 POSITIVE CORRELATION OF ANTHROPOMETRIC PARAMETERS AND MEASUREMENTS WITH AUTOGRAFTS FOR ACL RECONSTRUCTION**  
Harald K. WIDHALM, Veronika RÖGGLA, Martin RESCHL, Ines VIELGUT, Patrick SADOGLI (AUSTRIA)
- 47308 ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION WITH A NEW FEMORAL FIXATION DEVICE**  
Gerald GRUBER, Patrick MARKO, Lukas HOLZER, Gerwin BERNHARDT, Mathias GLEHR, Andreas LEITHNER (AUSTRIA)
- 47954 OUTCOME OF ACL RECONSTRUCTION WITH ‘BONE PATELLAR TENDON BONE FREE GRAFT’ VS. ‘SEMITENDINOSUS-GRACILIS GRAFT WITH PRESERVED INSERTIONS’: A RANDOMISED CONTROL TRIAL**  
Anil KAPOOR, Ravi GUPTA, Ashwani SONI, Sourabh KHATRI, David MASIH GLADSON, Mukta RAGHAV (INDIA)
- 47920 COMPARISON OF GRAFT MATURATION IN ANATOMICAL DOUBLE BUNDLED ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION BETWEEN YOUNG AND ELDERLY PATIENTS**  
Masahiko SAITO, Arata NAKAJIMA, Masato SONOBE, Hiroshi TAKAHASHI, Taniguchi SHINJI, Keita KOYAMA, Junichi IWASAKI, Kouji FUJITA, Tsuguo MORIKAWA, Koichi NAKAGAWA (JAPAN)
- 48472 ARTHROSCOPIC ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION USING BONE PATELLAR TENDON GRAFT THROUGH A MODIFIED TRANS-TIBIAL TECHNIQUE – LONG-TERM FOLLOW-UP**  
Prakash AYYADURAI, Sadem AMER, Suresh PERUMAL, Parthiban JEGANATHAN, Sivaraman ARUMUGAM (INDIA)
- 48264 THE RELATIONSHIP BETWEEN ACL FEMORAL TUNNEL POSITION AND POSTOPERATIVE MRI SIGNAL INTENSITY**  
Jung Suk KIM, Se Min LEE, Kyoung Ho YOON, Sang Eun PARK, Cheol Hee PARK (SOUTH KOREA)



**Thursday, 30 November**

**Room 2.61-2.66**

**Thursday, 30 November**  
Room 2.61-2.66

08:00 - 10:00

**Symposium – Total Knee Replacement I**

*Moderators:*

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

**ACTUAL LONG-TERM OUTCOMES IN TKR**

Ashok RAJAGOPAL (INDIA)

**WHAT CAN WE EXPECT IN THE FUTURE OF TKR?**

Maximilian RUDERT (GERMANY)

**DEBATE I: PATIENTS' EXPECTATIONS AND SURGEONS' ROLE**

**PRE-OPERATIVE PLANNING FOR A SUCCESSFUL PROCEDURE**

Andrea COLOMBELLI (ITALY)

**SURGICAL TRICKS AND TIPS TO MAKE A HAPPY PATIENT**

Mahesh KULKARNI (INDIA)

**SURGEONS' EVALUATION OF A SUCCESSFUL TKR**

Ponky FIRER (SOUTH AFRICA)

**WHY ARE PATIENTS NOT SATISFIED?**

Manuj WADHWA (INDIA)

**DISCUSSION**

**DEBATE II: CAN DESIGN IMPROVE OUTCOMES?**

**KINEMATICS IN TKR: FROM THE LAB TO THE OR**

Ashok RAJAGOPAL (INDIA)

**HOW TO IMPROVE JOINT CONGRUENCY**

Jacques CATON (FRANCE)

**ASYMMETRIC JOINT LINE**

Krishnachandra Chandrashanker MEHTA (INDIA)

**DESIGN AND PROPRIOCEPTION: WHAT IS THE CORRELATION?**

Ponky FIRER (SOUTH AFRICA)

**DISCUSSION**

10:00 - 10:30 *Break*



Moderators:

Peter ALDINGER (GERMANY), Maximilian RUDERT (GERMANY)

*Invited Speaker*

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

Peter ALDINGER (GERMANY)

**48224 AN EFFECTIVE PROTOCOL TO DIMINISH HIGH RENAL RISK PATIENT COMPLICATIONS**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Inayat PANDA, Ashok RAJGOPAL (INDIA)



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

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

13:00 - 14:00 *Break*

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

*Moderators:*

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

**STATE OF THE ART OF IMPLANT FIXATION**

Manuj WADHWA (INDIA)

**BALANCING AND MEASURED RESECTION: THE BEST WAY FOR IMPLANT PERFORMANCE**

Gabriele PANEGROSSI (ITALY)

**DEBATE III: ACCURACY IN COMPONENT POSITIONING IN TOTAL KNEE REPLACEMENT**

**DOES NAVIGATION REALLY IMPROVE OUTCOMES IN TKR?**

Anoop JHURANI (INDIA)

**DOES PRECISE ALIGNMENT MATTER IN TKR?**

Ajeya ADHIKARI (UNITED KINGDOM)

**CAN PSI BYPASS CAOS?**

Andrea COLOMBELLI (ITALY)

**WHY I STILL BELIEVE IN SURGEONS' HANDS**

Ashok RAJAGOPAL (INDIA)

**DISCUSSION**

**DEBATE IV: REVISION IN TKR**

**THE PREOPERATIVE PLANNING**

Miroslav HASPL (CROATIA)

**STEP BY STEP CCK**

Francesco FALEZ (ITALY)

**BONE LOSS RECONSTRUCTION OR SUBSTITUTION IN REVISION TKR**

J.V. SRINIVAS (INDIA)



## THE “BEYOND POSSIBLE” BONE LOSS RECONSTRUCTION

Maximilian RUDERT (GERMANY)

### DISCUSSION

15:30 - 16:00 *Break*

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

#### *Moderators:*

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

#### **SURGEONS’ PERSPECTIVE**

Ajeya ADHIKARI (UNITED KINGDOM)

#### **PHARMACOLOGY – GETTING THE RIGHT BALANCE**

Sean CHETTY (SOUTH AFRICA)

#### **ULTRASOUND GUIDED BLOCKS – APPLICATION AND VALUE**

Aneet KESSOW (SOUTH AFRICA)

#### **MANAGEMENT OF SPINAL PAIN – AN AGE OLD PROBLEM**

Milton RAFF (SOUTH AFRICA)

#### **TRANEXAMIC ACID – A REVOLUTION?**

William MCCLATCHIE (UNITED KINGDOM)

#### **BLOOD LOSS – A PREDICTOR OF OUTCOME**

Julio FERNANDES (CANADA)

#### **RAPID FIRE SESSION**



**Thursday, 30 November**

**Room 1.41-1.42**

08:00 - 10:00

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

#### *Moderators:*

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

#### **ESTIMATING ECONOMIC LOSS DUE TO MSK INJURIES IN LMICS**

Richard GOSSELIN (UNITED STATES)

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

Jes BATES (MALAWI)

**MODIFYING OUR APPROACH TO PATIENT CARE IN DEVELOPING COUNTRIES**

Jim HARRISON (SWITZERLAND)

**CAPACITY BUILDING THROUGH FELLOWSHIPS IN AFRICA – OUR EXPERIENCE**

Nicholas LUBEGA (MALAWI)

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

Linda CHOKOTHO (MALAWI)

**QUESTIONS & DISCUSSION**

10:00 - 10:30 *Break*

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

*Moderators:*

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

**INTRODUCTION & STATUS OF WOC**

John DORMANS (UNITED STATES)

**BRIDGING THE GAP**

Keith LUK (HONG KONG)

**ROAD TRAFFIC SAFETY**

Shanmuganathan RAJASEKARAN (INDIA)

**AO ALLIANCE**

Claude MARTIN JR. (CANADA)

**TB SPINE: CONSERVATIVE VS. OPERATIVE TREATMENT**

Anil JAIN (INDIA)

**DEBATE I: HOW CAN MY ORGANISATION/NGO HELP?**

**TRAUMA – WHO**

Shiva MURUGASAMPILLAY (ZIMBABWE)

**PARTNERING WITH NGOS FOR IMPROVING ORTHOPAEDIC EDUCATION AND TRAINING IN LMICS**

Wilson LI (HONG KONG)

**ORTHOPAEDIC ASSOCIATION OF SAARC COUNTRIES (OASAC)**

Deven TANEJA (INDIA)



**ASEAN ORTHOPAEDIC ASSOCIATION**  
Nor Hazla MOHAMED HAFLAH (MALAYSIA)

**MODERATION & CONCLUSIONS**

**DEBATE II: WHAT'S HAPPENING IN AFRICA?**

**TRAINEES GOING OVERSEAS – UNETHICAL PRACTICE OR A USEFUL CONTRIBUTION?**

Laurence WICKS (UNITED KINGDOM)

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

Oheneba BOACHIE-ADJEI (GHANA)

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

Maritz LAUBSCHER (SOUTH AFRICA)

**MODERATION & CONCLUSIONS**

**AWARDS: AEB AND TKS MEDAL**

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

12:00 - 12:30

*Plenary Lecture – FARES HADDAD (in Auditorium II)*

12:30 - 13:00

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

13:00 - 14:00

*Break*

14:00 - 15:30

**AOTrauma Europe Symposium – Infection after Fracture Fixation**

*Moderators:*

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

**WELCOME & INTRODUCTION**

Brian BERNSTEIN (SOUTH AFRICA)

**CASE PRESENTATION/DIAGNOSIS AND TREATMENT UPDATE / WITH AUDIENCE PARTICIPATION**

Martin MCNALLY (UNITED KINGDOM)

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

Len MARAIS (SOUTH AFRICA)

**DISCUSSION**

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

Olivier BORENS (SWITZERLAND)

**DISCUSSION & CLOSURE**

15:30 - 16:00 *Break*

16:00 - 17:30

**AORecon Symposium – Prevention & Management of Periprosthetic Joint Infection**

*Moderators:*

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

**WELCOME & INTRODUCTION**

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

**THE PREVENTION OF PERIPROSTHETIC JOINT SEPSIS**

Olivier BORENS (SWITZERLAND)

**THE DIAGNOSIS OF PERIPROSTHETIC INFECTION – NEW DEVELOPMENTS**

Carsten PERKA (GERMANY)

**MANAGEMENT ALGORITHMS AND THE ROLE OF SINGLE STAGE SURGERY**

Fares HADDAD (UNITED KINGDOM)

**MANAGING THE INTERVAL AND REIMPLANTATION IN STAGED REVISION**

Jean-Noel ARGENSON (FRANCE)

**THE ROLE OF DEBRIDEMENT AND IMPLANT RETENTION**

Chris FREY (SOUTH AFRICA)

**FUTURE STRATEGIES FOR PERIPROSTHETIC INFECTION MANAGEMENT**

Fares HADDAD (UNITED KINGDOM)

**CASE DISCUSSIONS**



**Thursday, 30 November**  
**Room 1.43-1.44**

08:00 - 10:00 **Invited Lecture & Free Papers – Hand I**

*Moderators:*

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

*Invited Speaker*

**CRUSHED HAND INJURIES**

Theo LE ROUX (SOUTH AFRICA)

- 47722 COMPARISON OF FUNCTIONAL OUTCOME OF DISTAL END RADIUS FRACTURE TREATED WITH ILIZAROV TECHNIQUE VERSUS VOLAR LCP**  
Gyan RANJAN, Benu Gopal DAS, Indranil DUTT (INDIA)
- 47589 VOLAR LOCKING PLATE SURGERY FAILS TO ACHIEVE ANATOMIC ANGULATION AND LENGTH AFTER DISTAL RADIUS FRACTURE**  
Rikke THORNINGER, Jan ROELFING, Daniel WAEVER, Mette Lund MADSEN, Lars Carl BORRIS, Lise Loft NAGEL, Mads HENRIKSEN (DENMARK)
- 46706 STUDY OF FUNCTIONAL OUTCOME OF DISTAL RADIUS FRACTURES TREATED WITH PERCUTANEOUS CANNULATED SCREWS**  
Ashok DESAI, Prakash KUMAR, Harshal PATKAR (INDIA)
- 46426 COMPARISON OF VOLAR VERSUS DORSAL SCREW FIXATION FOR SCAPHOID WAIST FRACTURES: A FINITE ELEMENT ANALYSIS**  
Baver ACAR, Ozkan KOSE, Yusuf Alper KATI (TURKEY)
- 47708 INCIDENCE OF BILATERAL WIDENING OF THE SCAPHOLUNATE JOINT AND SCAPHOLUNATE ADVANCED COLLAPSE**  
Nadine HOLLEVOET (BELGIUM)
- 47032 EVALUATION OF KIENBOCK'S DISEASE STAGE III TREATMENT BY LUNATE EXCISION AND SOFT TISSUE SPACER**  
Mohammed Ali Fadhil AL-BAYATI, Ayad MUTAR, Najji HASSAN (IRAQ)
- 48687 LONG-TERM OUTCOME OF TRAPEZIECTOMY WITH LIGAMENT RECONSTRUCTION AND TENDON INTERPOSITION VERSUS ARTHROPLASTY FOR THE TREATMENT OF RHIZARTHROSIS**  
Cláudia RODRIGUES, Luis Henrique BARROS, Sérgio FIGUEIREDO, João ESTEVES, Marta SILVA, Alexandre PEREIRA, Miguel TRIGUEIROS, César SILVA (PORTUGAL)
- 46449 THE INFLUENCE OF SEX AND TRAUMA IMPACT ON THE RUPTURE SITE OF THE ULNAR COLLATERAL LIGAMENT OF THE THUMB**  
Sandra BOESMUELLER, Wolfgang HUF, Gregor RETTL, Falko DAHM, Alexander MEZNIK, Gabriela MUSCHITZ, Hugo KITZINGER, Adam BUKATY, Christian FIALKA, Martin VIERHAPPER (AUSTRIA)



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

10:00 - 10:30 *Break*

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

*Moderator:*

Frederic SCHUIND (BELGIUM)

**HAND FRACTURES IN TOP BASKETBALL PLAYERS**

Marko BUMBASIREVIC (SERBIA)

**ULNAR COLLATERAL LIGAMENT INJURIES TO THE THUMB**

Charles PAILTHORPE (UNITED KINGDOM)

**EARLY THUMB OSTEOARTHRITIS: PLACE OF ARTHROSCOPY**

Ferdinando DA RIN DE LORENZO (ITALY)

**HAND AND WRIST ACUTE AND CHRONIC TENDON LESIONS IN SPORTS**

Margaret FOK (HONG KONG)

**HAND AND WRIST SPLINTING AND BRACING – AN UPDATE**

Frederic SCHUIND (BELGIUM)

**UPPER LIMB NERVE INJURY IN SPORTS**

Marko BUMBASIREVIC (SERBIA)

**DISCUSSION**



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

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

13:00 - 14:00 *Break*

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

*Moderator:*

Frederic SCHUIND (BELGIUM)

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

**SCAPHOID NON-UNIONS**

Charles PAILTHORPE (UNITED KINGDOM)

**ARTHROSCOPY OF THE ATHLETE'S WRIST**

Luc VAN OVERSTRAETEN (BELGIUM)

**NEGLECTED WRIST INJURIES**

Anil DHAL (INDIA)

**ELBOW FRACTURES AND DISLOCATIONS IN SPORTS**

Fabian MOUNGONDO (BELGIUM)

**THE ATHLETES' ELBOW: LIGAMENT RECONSTRUCTION**

A. ALY (EGYPT)

**PRACTICAL ATTITUDE IN CASE OF BRACHIAL PLEXUS LESION  
FOLLOWING A MOTORCYCLE OR BIKING ACCIDENT**

Jörg BAHM (GERMANY)

**DISCUSSION**

15:30 - 16:00 *Break*



16:00 - 17:30

**Invited Lecture & Free Papers – Hand II**

*Moderators:*

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

**Invited Speaker**

**ACUTE SCAPHOID FRACTURES**

Dheenadhayalan JAYARAMARAJU (INDIA)

**47453 EXPERIENCE WITH WIDE AWAKE APPROACH IN HAND SURGERY**

Tarun Prashanth KILARI, Rajappa SRINIVASAN (INDIA)

**46340 ELECTROPHYSIOLOGICAL EPIDEMIOLOGY OF CARPAL TUNNEL SYNDROME**

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

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

Isam ATROSHI, Kamelia TADJERBASHI (SWEDEN)

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

Purnima AGGARWAL, Sudhir Kumar GARG (INDIA)

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

Isam ATROSHI, Manfred HOFER, Jonas RANSTAM (SWEDEN)

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

Anantha Krishnan RAGHUPATHI, Andras GAL (UNITED KINGDOM)

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

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

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

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

Thursday, 30 November  
Room 1.43-1.44





Thursday, 30 November

Room 1.61-1.62

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

*Moderators:*

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

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



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

10:00 - 10:30 *Break*

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

*Moderators:*

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

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

Oheneba BOACHIE-ADJEI (GHANA)

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

Gert VLOK (SOUTH AFRICA)

**PERIOPERATIVE MANAGEMENT OF COMPLEX SPINE CASES**

Christopher KLECK (UNITED STATES)

**SPINE SURGERY IS A TEAM SPORT**

Leslie JAMESON (UNITED STATES)

**QUESTIONS & DISCUSSION**

**THE TRICKS AND GEMS OF HEMIVERTEBRA EXCISION**

Shengru WANG (CHINA)

**ONE-STEP TECHNIQUES FOR MIS PEDICLE SCREW PLACEMENT**

Vikas PATEL (UNITED STATES)

**OSTEOTOMY FOR CORRECTION OF SEVERE KYPHOSIS**

Shanmuganathan RAJASEKARAN (INDIA)

12:00 - 12:30

*Plenary Lecture – FARES HADDAD (in Auditorium II)*

12:30 - 13:00

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

13:00 - 14:00

*Break*

14:00 - 15:30

***Symposium – Scoliosis Research Society: Complex Spine & Deformity***

*Moderator:*

Gert VLOK (SOUTH AFRICA)

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

Shanmuganathan RAJASEKARAN (INDIA)

**TREATMENT OF SEVERE RIGID CORONAL PAEDIATRIC DEFORMITIES**

Oheneba BOACHIE-ADJEI (GHANA)

**TRENDS IN SPINAL DEFORMITY SURGERY/SAFETY**

John DORMANS (UNITED STATES)

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

George THOMPSON (UNITED STATES)

**ADVANCES IN GENETIC STUDIES FOR AIS**

Matthew DOBBS (UNITED STATES)

**CASE: COMPLEX CERVICO-THORACIC DEFORMITY**

Qianyu ZHUANG (CHINA)

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

Cody BÜNGER (DENMARK)

**ADULT SCOLIOSIS, TITANIUM ALLERGY**

Evalina BURGER (UNITED STATES)

15:30 - 16:00 *Break*

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

*Moderators:*

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

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

Alexander GUBIN, Prudnikova OXANA, Riabykh SERGEY (RUSSIA)

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

Ankit PATEL, Vishal KUNDNANI (INDIA)

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

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

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

Akshay LEKHI (INDIA)

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

Tamas ILLES<sup>1</sup>, Fabien LAUER<sup>2</sup>, François LAVASTE<sup>2</sup>, Jean DUBOUSSET<sup>1</sup>(BELGIUM), <sup>2</sup>(FRANCE)

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



**Thursday, 30 November**

**Room 1.63**

08:00 - 10:00 **Invited Lecture & Free Papers – Research I**

*Moderators:*

Pierre HOFFMEYER (SWITZERLAND), Eiji ITOI (JAPAN)

*Invited Speaker*

**WRITING, REVIEWING & PLAGIARISM**

Pierre HOFFMEYER (SWITZERLAND)

- 46309 EGFL8, A NOVEL ANGIOGENESIS FACTOR OVEREXPRESSES IN OSTEONECROSIS OF FEMORAL HEAD AND PROMOTES ANGIOGENESIS VIA MAPK/ERK SIGNALING PATHWAY**  
Guoju HONG<sup>1</sup>, Qiushi WEI<sup>2</sup>, Wei HE<sup>2</sup>, Haibin WANG<sup>2</sup>, Zhenqiu CHEN<sup>2</sup>, Jiake XU<sup>1</sup>  
<sup>1</sup>(AUSTRALIA), <sup>2</sup>(CHINA)

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

10:00 - 10:30 *Break*

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

*Moderators:*

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

**MOLECULAR MECHANISM OF OSTEOPOROSIS**

Sakae TANAKA (JAPAN)



**USING REGISTRIES FOR RESEARCH**

Vikas KHANDUJA (UNITED KINGDOM)

**PRAGMATIC V. EXPLANATORY CLINICAL TRIALS: WHEN TO USE THEM**

Hamish SIMPSON (UNITED KINGDOM)

**IMPLICATIONS OF PERSONALISED SURGERY FOR RCTS**

Matthew DOBBS (UNITED STATES)

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

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

13:00 - 14:00 *Break*

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

*Moderators:*

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

**NON-UNION AND SMOKING**

Frederic SCHUIND, Jacques HERNIGOU (BELGIUM)

**NON-UNION AND HIV**

Simon GRAHAM (SOUTH AFRICA)

**SEPTIC TIBIAL NON-UNION: ILIZAROV IS BEST**

Nando FERREIRA (SOUTH AFRICA)

**SEPTIC TIBIAL NON-UNION: EXCHANGE IM NAILING IS BEST**

Hamish SIMPSON (UNITED KINGDOM)

**PERCUTANEOUS CELL THERAPY FOR NON-UNION**

Philippe HERNIGOU (FRANCE)

*Symposium – Tendon & Ligament Healing*

*Moderators:*

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

**TENDON SUTURE ANCHORS**

Eiji ITOI (JAPAN)

**ACL REPAIR OR RECONSTRUCTION**

Stephen ABELOW (UNITED STATES)



15:30 - 16:00 Break

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

Moderators:

Ram PRABHOO (INDIA), Marius SCARLAT (FRANCE)

**Invited Speaker**

**RECENT ADVANCES IN FRACTURES OF THE PROXIMAL TIBIAL FRACTURES**

Ram PRABHOO (INDIA)

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

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

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

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

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

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

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

Nicholas DONOHUE<sup>1</sup>, Johannes EICHLER<sup>1</sup>, Patrick HOLWEG<sup>1</sup>, Berger LEOPOLD<sup>2</sup>, Martina CIHOVA<sup>2</sup>, Nicole GRÜN<sup>1</sup>, Jörg LÖFFLER<sup>2</sup>, Annelie WEINBERG<sup>1</sup>  
<sup>1</sup>(AUSTRIA), <sup>2</sup>(SWITZERLAND)

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

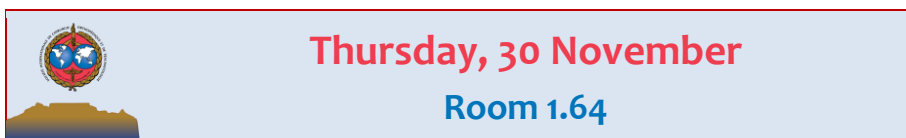
Avinash MAHENDER, Shanmuganathan RAJASEKARAN, Siddharth AIYER (INDIA)

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

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



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



08:00 - 10:00

**Invited Lecture & Short Free Papers – Foot & Ankle**

*Moderators:*

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

**Invited Speaker**

**CALCANEAL FRACTURES – TO OPERATE OR NOT?**

Ram PRABHOO (INDIA)

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



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

10:00 - 10:30 *Break*



*Moderators:*

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

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

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

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

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



13:00 - 14:00 Break

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

*Moderators:*

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

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

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

15:30 - 16:00 *Break*

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

*Moderators:*

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

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

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



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



## Thursday, 30 November

### Exhibition Hall

10:00 - 10:30 **JAM (Just a Minute) Session – Sports Medicine & Spine**

*Moderator:*

Vikas KHANDUJA (UNITED KINGDOM)

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



- 48530 MISS-TLIF ASSISTED BY QUADRANT OR PIPELINE TUBE SYSTEM FOR THE MANAGEMENT OF LUMBAR SPONDYLOLISTHESIS**  
Jiancheng ZENG (CHINA)
- 48390 CO-RELATION OF CLINICAL VS. MRI VS. OPERATIVE FINDINGS IN PROLAPSED INTERVERTEBRAL LUMBAR DISC – A PROSPECTIVE STUDY OF 30 CASES**  
Tarun KUKREJA, Ashutosh SINGH (INDIA)
- 47406 FENESTRATED PEDICLE SCREWS AND CEMENT AUGMENTATION IN PATIENTS WITH BONE SOFTENING**  
Mahmoud ABOUSAYED (EGYPT)
- 46951 DO WE HAVE CLEAR CRITERIA REGARDING SPINAL INSTABILITY IN DEGENERATIVE STENOSIS OF THE LUMBAR SPINE?**  
Stipe CORLUKA, Vide BILIC, Stjepan DOKUZOVIC (CROATIA)
- 46605 DOES INCREASING AGE DETER OUTCOMES OF SPINAL INTERBODY FUSION IN ELDERLY? COMPARATIVE CLINICO-RADIOLOGICAL RESULTS OF SINGLE LEVEL TLIF IN YOUNG VS. ELDERLY AT 2 YEARS’ FOLLOW-UP**  
Ankit PATEL, Vishal KUNDNANI (INDIA)
- 46531 HADS BRIEF SCORE CAN PREVENT UNNECESSARY SPINAL PROCEDURES**  
Andreas VEIHELMANN, Florian BECK, Christof BIRKENMAIER (GERMANY)
- 48316 POSTERIOR ONLY APPROACH FOR LUMBAR PYOGENIC SPONDYLITIS WITH SHORT INSTRUMENTATION AND PROLONGED SUCTION DRAINAGE**  
Suk-Hyun HONG, Choi SEUNG MYUNG, Yong-Min KIM, Kook-Jong KIM (SOUTH KOREA)
- 47006 DIFFUSION TENSOR IMAGING OBSERVATIONS IN POTT’S SPINE**  
Anil JAIN, Nikhil JAIN, N.S. SAINI (INDIA)
- 46454 IS THERE ANY RELATION BETWEEN SURGICAL SITE INFECTION FOLLOWING ELECTIVE SPINAL SURGERY AND POOR ORAL HEALTH?**  
Babak MIRZASHAHI, Arghavan TONKABONI, Roya DOOSTI (IRAN)
- 48082 THE IMPACT OF TYPE OF SCREW ON KYPHOTIC DEFORMITY CORRECTION AFTER SPINE FRACTURE FIXATION – CANNULATED VERSUS SOLID PEDICLE SCREW**  
Abduljabbar ALHAMMOUD, Mahmood ARBASH, Ashik PARAMBATHKANDI, Abdul Moen BACO (QATAR)
- 47066 DECOMPRESSION ONLY OR DECOMPRESSION WITH CONCOMITANT FUSION IN DEGENERATIVE SPONDYLOLISTHESIS: A SHORT- AND LONG-TERM OUTCOME**  
Dike RUAN, Qing HE, Lisheng HOU (CHINA)
- 46902 RADIATION REDUCTION OF MINIMALLY INVASIVE TRANSFORAMINAL LUMBAR INTERBODY FUSION WITH LOCALISATION SYSTEM IN OVERWEIGHT PATIENTS**  
Guoxin FAN, Qingsong FU, Jingjie ZHANG, Shisheng HE (CHINA)

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

15:30 - 16:00

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

*Moderator:*

Matt MORREY (UNITED STATES)

- 48122 CORE NEEDLE BIOPSY IN MUSCULOSKELETAL TUMOURS – DIAGNOSTIC BREVITY AND ACCURACY IN A NATIONAL REFERENCE CENTRE**  
Pedro CARDOSO, João ESTEVES, João ROSA, André COELHO (PORTUGAL)
- 48034 INFLUENCE OF COLD ATMOSPHERIC PLASMA (CAP) ON CYTOKINE EXPRESSION IN HUMAN OSTEOSARCOMA CELLS**  
Denis GUEMBEL, Lasse WIEN, Nadine GELBRICH, Matthias NAPP, Martin BURCHARDT, Axel EKKERNKAMP, Matthias STOPE (GERMANY)

- 47250 THE IMPACT OF SARCOPENIA ON TREATMENT FOR MALIGNANT BONE AND SOFT TISSUE TUMOUR**  
Yoshitaka BAN, Manabu HOSHI, Naoto OEBISU, Yasuyuki SYOJI, Hiroaki NAKAMURA (JAPAN)
- 46276 RECONSTRUCTION OF THE ANKLE AFTER WIDE RESECTION OF DISTAL FIBULA TUMOURS: CASE SERIES AND REVIEW OF THE LITERATURE**  
Mohammed ALRUMAIH (SAUDI ARABIA)
- 46206 ACCELERATED PONSETI METHOD: A MORE CONVENIENT TECHNIQUE FOR PATIENTS IN THE DEVELOPING WORLD AND MISSIONARY ORTHOPEDISTS**  
Alaa Azmi AHMAD (PALESTINE)
- 48159 TSF FOR TIBIAL FRACTURES IN CHILDREN AND ADOLESCENTS – MAJOR TRAUMA CENTRE EXPERIENCE**  
Rajkumar THANGARAJ, Dave HAUGHTON, Mounir HAKIMI, Emmanouil MORAKIS, Ibrar MAJID, Farhan ALI (UNITED KINGDOM)
- 46182 RESULTS OF APPLICATION OF GUIDED GROWTH FOR LLD TREATMENT**  
Sergei SERDJUCHENKO, Alexander BELETSKY, Aleh SAKALOUSKI, Andrei DZEMIANTSOU (BELARUS)
- 48049 MANAGEMENT OF TRAUMATIC POSTERIOR HIP DISLOCATION IN CHILDREN – OUR RESULTS IN 5 CASES**  
Kingsley Dotcher DOKU (GHANA)
- 48459 MORPHOMETRIC EVALUATION OF OCCIPITAL CONDYLE: DEFINING OPTIMAL TRAJECTORIES AND SAFE SCREW LENGTHS FOR OCCIPITAL CONDYLE-BASED OCCIPITOCERVICAL FIXATION IN INDIAN POPULATION**  
Aju BOSCO, Ajoy SHETTY, Prakash VENUGOPAL, Shanmuganathan RAJASEKARAN, Rishi KANNA (INDIA)
- 46410 DOES RADIATION EXPOSURE VARY DEPENDING ON THE EXPERIENCE OF THE SURGEON DURING INTRAMEDULLARY NAILING OF THE FEMUR AND TIBIA? – A PROSPECTIVE RANDOMISED STUDY**  
Bhaskara Kanakeshwar RAJA, Sudipto PATRA, Shanmuganathan RAJASEKARAN (INDIA)
- 47481 SHORT-TERM CLINICAL AND RADIOLOGICAL OUTCOMES FOLLOWING ANATOMICAL TOTAL SHOULDER ARTHROPLASTY USING SELF-REINFORCING, SHORT-STEMMED PROSTHESIS AND LESSER TUBEROSITY OSTEOTOMY**  
Ali BAKKAI (SOUTH AFRICA)
- 46632 VALIDATION OF NOVEL OSTEOTOMY DEVICE FOR HUMERUS IN SHOULDER ARTHROPLASTY**  
Pratul JAIN (INDIA)
- 47734 THE CONCEPT AND VALUE OF BICEPS RELOCATION IN DIAGNOSIS OF SHOULDER INSTABILITY**  
Joanna WALECKA, Przemysław LUBIATOWSKI, Jan DLUGOSZ, Jakub STEFANIAK, Leszek ROMANOWSKI (POLAND)

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



# Friday, 1 December

Time	Auditorium II	Roof Terrace	Room 2.41-2.43	Room 2.44-2.45	Room 2.61-2.66
07:00-08:00	Free Papers Polytrauma Management Page 98				
08:00-10:00	Free Papers Lower Limb Trauma Page 99	Invited Lecture & Free Papers Sports Medicine Page 105	Invited Lecture & Free Papers Paediatrics III Page 108	Invited Lecture & Free Papers Knee II Page 112	Invited Lecture & Free Papers Shoulder & Elbow Page 117
10:00-10:30	Break				
10:30-12:00	Symposium Trauma: High Velocity Injuries & Armed Violence Page 100	Hull Deformity Symposium Tibial Deformity: Analysis & Management Page 106	Symposium Best Evidence Based Practice for Paediatric Trauma & Infections Page 110	Symposium Computer-Assisted Technologies: Update on CAOS in 2017 Page 114	Symposium Management of Stiff Elbow Page 118
12:00-12:30	Plenary Lecture (in Auditorium II) – ASHOK K. JOHARI				
12:30-13:00	Plenary Lecture (in Auditorium II) – SICOT Research Award Papers				
13:00-14:00	<b>SICOT GENERAL ASSEMBLY</b>	Industry-Sponsored Symposium	Industry-Sponsored Symposium	Break	Industry-Sponsored Symposium
14:00-15:30	APOA Symposium The Great Foot & Ankle Debate: Tackling the Biggest Controversies in Foot & Ankle Surgery Page 102	ICRS/SICOT Symposium One Step Cartilage Repair: Current Concepts in 2017 Page 107	Symposium Fractures of the Pelvis & Acetabulum Page 111	SOFCOT Symposium The Post-traumatic Osteoarthritic Knee Page 115	Symposium Management of Rotator Cuff Disease Page 119
15:30-16:00	Break				
16:00-17:30	Free Papers Foot & Ankle Page 104	ICRS/SICOT Symposium The Advent of a New Powerful Orthobiologic Drugstore Page 108	Invited Lecture & Free Papers Trauma of the Pelvis Page 111	Young Surgeons Committee Symposium Difficult Case Discussions in Hip & Knee Arthroplasty Page 116	Free Papers Shoulder Arthroplasty Page 120





Room 1.41-1.42	Room 1.43-1.44	Room 1.61-1.62	Room 1.63	Room 1.64	Exhibition Hall
			<b>Young Surgeons Committee Virtual Workshop How to Search Literature</b> Page 134		
<b>Invited Lecture &amp; Free Papers Infections I</b> Page 121	<b>Invited Lecture &amp; Free Papers Hip Arthroplasty</b> Page 125	<b>Invited Lecture &amp; Free Papers Infection in Spine</b> Page 129	<b>Symposium Academic Writing</b> Page 135	<b>Short Free Papers Spine</b> Page 138	
<i>Break</i>					JAM – Hip & Knee
<b>Symposium Infections of the Bone I</b> Page 122	<b>Symposium Update on Arthroscopic Surgery of the Hip: From Basics to Advanced</b> Page 127	<b>Symposium Infections in Spine</b> Page 131	<b>Course Academic Writing: Reviewers' Course</b> Page 135	<b>Invited Lecture &amp; Short Free Papers Sports Medicine</b> Page 139	
<i>Break</i>					
<b>Symposium Infections of the Bone II</b> Page 123	<b>ARTOF Symposium &amp; Workshop External Fixation in Damage Control &amp; Beyond</b> Page 128	<b>Invited Lecture &amp; Free Papers Trauma of the Spine</b> Page 131	<b>Symposium Progresses in Musculoskeletal Oncology &amp; Future Directions</b> Page 136	<b>Invited Lecture &amp; Short Free Papers Research</b> Page 141	
<i>Break</i>					JAM – Trauma, Foot & Ankle & Misc.
<b>Free Papers Infections II</b> Page 124	<b>Symposium Microsurgery Roundtable: What's New in Chinese Orthopaedic Microsurgery</b> Page 128	<b>Best Papers Session</b> Page 133	<b>Free Papers Tumours</b> Page 136	<b>Invited Lecture &amp; Short Free Papers Paediatrics</b> Page 143	





## Friday, 1 December

### Auditorium II

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

*Moderators:*

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

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



Moderators:

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

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

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

10:00 - 10:30 *Break*

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

*Moderators:*

Shanmuganathan RAJASEKARAN (INDIA), Moshe SALAI (ISRAEL)

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

Shanmuganathan RAJASEKARAN (INDIA)

**MASS CASUALTY INCIDENCE – LESSONS LEARNED IN TEL AVIV**

Moshe SALAI (ISRAEL)

**THE GERMAN INITIATIVE TO ORGANISED TERROR ATTACKS INCIDENT**

Gerhard ACHATZ (GERMANY)

**OUR EXPERIENCE WITH HIGH VELOCITY COMBAT LIMB INJURIES**

Eytan DUJOVNY (ISRAEL)

**TRIAGE IN MASS CASUALTY**

Khaled EMARA (EGYPT)

**PANEL DISCUSSION: TERRORISM**

12:00 - 12:30

**Plenary Lecture – ASHOK K. JOHARI**

*Chairmen:*

Jochen EULERT (GERMANY), Philippe HERNIGOU (FRANCE)

**THE MAGIC OF GROWTH**

Ashok JOHARI (INDIA)

12:30 - 13:00

**Plenary Lecture – SICOT Research Award Papers**

*Chairman:*

Shanmuganathan RAJASEKARAN (INDIA)

**THE SICOT RESEARCH ACADEMY AWARDS**

Shanmuganathan RAJASEKARAN (INDIA)

**AWARDS CEREMONY**

Matthew DOBBS (UNITED STATES)

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

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

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

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

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

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

13:00 - 14:00

## SICOT GENERAL ASSEMBLY

Please see page 12 for more information.

14:00 - 15:30

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

Moderator:

Gowreeson THEVENDRAN (SINGAPORE)

### DEBATE: FOOT & ANKLE TRAUMA

Mark BLACKNEY (AUSTRALIA)

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

Arvind PURI (AUSTRALIA)

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

Nicholas YEO (SINGAPORE)

**I USE A TIGHTROPE EVERY TIME FOR SYNDESMOTIC STABILISATION – FOR**

Muhamad FARHAN (SINGAPORE)

**I USE A TIGHTROPE EVERY TIME FOR SYNDESMOTIC STABILISATION – AGAINST**

Kumar Shantanu ANAND (INDIA)

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

Deepak RAINA (INDIA)

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

Kumar Shantanu ANAND (INDIA)

### QUESTIONS & ANSWERS

### DEBATE: FOOT & ANKLE DEFORMITIES

Arvind PURI (AUSTRALIA)

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

James WEE (SINGAPORE)

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

Muhamad FARHAN (SINGAPORE)

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

Nurettin HEYBELI (TURKEY)

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

Gowreeson THEVENDRAN (SINGAPORE)

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

Syah BAHARI (MALAYSIA)

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

Arvind PURI (AUSTRALIA)

**QUESTIONS & ANSWERS**

**DEBATE: FOOT & ANKLE SPORTS**

Syah BAHARI (MALAYSIA)

**EARLY SURGICAL INTERVENTION FOR PLANTAR FASCIITIS – FOR**

Mark BLACKNEY (AUSTRALIA)

**EARLY SURGICAL INTERVENTION FOR PLANTAR FASCIITIS – AGAINST**

James WEE (SINGAPORE)

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

Nurettin HEYBELI (TURKEY)

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

Nicholas YEO (SINGAPORE)

**I AM A HUGE FAN OF THE GASTROCNEMIUS RESECTION – FOR**

Gowreeson THEVENDRAN (SINGAPORE)

**I AM A HUGE FAN OF THE GASTROCNEMIUS RESECTION – AGAINST**

Chua Yeok PIN (MALAYSIA)

**QUESTIONS & ANSWERS**

15:30 - 16:00 *Break*

*Moderators:*

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

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





## Friday, 1 December

### Roof Terrace

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

*Moderators:*

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

*Invited Speaker*

#### **UPDATE ON THE ANTEROLATERAL LIGAMENT**

Fabio SCIARRETTA (ITALY)

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

Friday, 1 December  
Roof Terrace



- 47719 **THE EFFECT OF LATERAL ROW ANCHOR CONFIGURATION ON STRENGTH OF FIXATION IN DOUBLE ROW ARTHROSCOPIC ROTATOR CUFF REPAIR**  
Nuri AYDIN, Alp ARYA (TURKEY)
- 46298 **BRAIN RECOVERY IS ONLY PARTIAL AFTER ANTERIOR SHOULDER STABILISATION**  
Alexandre LÄDERMANN, Grégory CUNNINGHAM (SWITZERLAND)
- 48291 **ARTICULAR-SIDED VERSUS BURSAL-SIDED PARTIAL-THICKNESS ROTATOR CUFF TEARS: IS THERE A DIFFERENCE AFTER ARTHROSCOPIC TEAR COMPLETION AND REPAIR?**  
Benjamin Fu Hong ANG, Mun Chun LAI, William YEO, Denny Tjiauw Tjoen LIE (SINGAPORE)
- 47670 **A RANDOMISED TRIAL COMPARING ROLE OF INJECTION CORTICOSTEROID AND INJECTION PLATELET RICH PLASMA (PRP) IN SUBACROMIAL BURSTITIS**  
Vijay KUMAR, Amrut RAJE, Bhavuk GARG, Deep SRIVASTAVA, Prakash P. KOTWAL (INDIA)

10:00 - 10:30 *Break*

10:30 - 12:00

**Hull Deformity Symposium – Tibial Deformity: Analysis & Management**

*Moderator:*

Hemant SHARMA (UNITED KINGDOM)

**LOWER LIMB ALIGNMENT (+ OBLIQUE PLANE)**

Reggie HAMDY (CANADA)

**OSTEOTOMY AND HARDWARE CONCEPTS (INTERNAL VS. EXTERNAL FIXATION)**

Franz BIRKHOLTZ (SOUTH AFRICA)

**VIDEO: HOW DO I DO IT – HINGES + HEXAPOD**

Hemant SHARMA (UNITED KINGDOM)

**TIPS AND TRICKS (INCLUDING AVOIDING COMPLICATIONS)**

Nando FERREIRA (SOUTH AFRICA)

**CONSEQUENCES OF MALALIGNMENT**

Gamal HOSNY (EGYPT)

**DISCUSSION**

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

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

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

*Please see page 205 for more information.*

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

*Moderators:*

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

**MICROFRACTURES VERSUS NANOFRACTURES**

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

**AUTOLOGOUS OSTEOCHONDRAL GRAFTS**

Martyn SNOW (UNITED KINGDOM)

**VIDEO: ARTICULAR CARTILAGE PASTE GRAFT TECHNIQUE**

Kevin STONE (UNITED STATES)

**PRP + REGENOGEL**

Ron ARBEL (ISRAEL)

**PERIOPERATIVE PREPARED AUTOLOGOUS CARTILAGE SCAFFOLD IN OSTEOCHONDRAL LESIONS**

Dzihan ABAZOVIC (SERBIA)

**ALLOGRAFTS**

Stephen ABELOW (UNITED STATES)

**INSTRUCTIONAL SURGICAL TECHNIQUE VIDEO: ARTHROSCOPIC ACI-MACI**

Stephen ABELOW (UNITED STATES)

**DISCUSSION**

15:30 - 16:00 *Break*

16:00 - 17:30

**International Cartilage Repair Society/SICOT Symposium – The Advent of a New Powerful Orthobiologic Drugstore**

*Moderators:*

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

**ACELLULAR MATRIX-BASED REPAIR TECHNIQUE**

Christian LUERING (GERMANY)

**LIPO-AMIC**

Fabio SCIARRETTA (ITALY)

**INSTRUCTIONAL LECTURE: ONE-STEP CARTILAGE REPAIR WITH BMC**

Alberto GOBBI (ITALY)

**ACL, MENISCAL AND CHONDRAL COMBINED REPAIR**

Rene VERDONK (BELGIUM)

**SUBCHONDRAL BONE DEFECTS TREATMENT**

Marco DEMANGE (BRAZIL)

**MALALIGNMENT OSTEOTOMY CORRECTION IN CHONDRAL DEFECTS**

Gamal HOSNY (EGYPT)

**DISCUSSION**



**Friday, 1 December**

**Room 2.41-2.43**

08:00 - 10:00

**Invited Lecture & Free Papers – Paediatrics III**

*Moderators:*

Ashok JOHARI (INDIA), David CHOON (MALAYSIA)

**Invited Speaker**

**THE APOA – HISTORY, EVOLUTION AND OBJECTIVES**

David CHOON (MALAYSIA)

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

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



- 47186 **HIGHER INCIDENCE OF FEMORAL NERVE PALSY AFTER PAVLIK HARNESS TREATMENT FOR DEVELOPMENTAL DISLOCATION OF THE HIP**  
Tetyana MYRONENKO, Ahmed EL-BAKOURY, Rafik FANOUS, Tahir KHAN (UNITED KINGDOM)
- 48418 **APPLICATION OF ANTEROLATERAL APPROACH IN THE TREATMENT OF FEMOROACETABULAR IMPINGEMENT OF THE HIP**  
Um Ji KIM, Hui Taek KIM, Taeyoung AHN (SOUTH KOREA)
- 48403 **MID-TERM RESULTS OF PAVLIK HARNESS TREATMENT FOR DEVELOPMENTAL DYSPLASIA OF THE HIP**  
Taeyoung AHN, Hui Taek KIM, Chong Il YOO (SOUTH KOREA)
- 48234 **THE EFFECT OF SCREENING POLICIES ON AGE AT DIAGNOSIS AND RATES OF SURGERY IN DEVELOPMENTAL DYSPLASIA OF THE HIP (DDH): A BI-NATIONAL STUDY**  
Ran WEI<sup>1</sup>, Elhanan BAR-ON<sup>2</sup>, Eyal MARCADO<sup>2</sup>, Karen DALY<sup>1</sup>, Andrea YEO<sup>1</sup>, Yael GELFER<sup>1</sup>  
<sup>1</sup>(UNITED KINGDOM), <sup>2</sup>(ISRAEL)
- 47231 **CLOSED REDUCTION AND PERCUTANEOUS PINNING OF SUPRACONDYLAR FRACTURE OF HUMERUS IN CHILDREN WITH WARM PULSELESS HAND**  
Ahmad Ibraheem ADDOSOOKI, Ahmed ABDELAAL, Ashraf Rashad MARZOUK, Mohamed Atia SAYED, Ahmed FAYSAL, Ahmad Fawaz MORSY, Moustafa Ismail ELSAYED, Ahmed Saleh Shaker SLEEM, Mohamed Elsayed ABDELWANIS (EGYPT)
- 47229 **POSTEROMEDIAL APPROACH TO THE DISTAL HUMERUS FOR TREATMENT OF THE MEDIAL COLUMN FRACTURES IN CHILDREN**  
Ahmad Ibraheem ADDOSOOKI, Ahmed ABDELAAL, Ashraf Rashad MARZOUK, Ahmed Saleh Shaker SLEEM, Moustafa Ismail ELSAYED, Ahmad Fawaz MORSY (EGYPT)
- 48797 **MANAGEMENT AND OUTCOMES OF MULTIDIRECTIONALLY UNSTABLE GARTLAND IV PAEDIATRIC SUPRACONDYLAR FRACTURES – A SYSTEMATIC REVIEW**  
Grace YIP, Krishna BODDU, Sandesh LAKKOL (UNITED KINGDOM)
- 48003 **COULD TRANSIENT FIXATION OF LUMBAR INSTRUMENTED VERTEBRA PRESERVE THE LUMBAR MOTION IN LENKE TYPE C?**  
Hak Sun KIM, Seungjin CHOI, Hwan Mo LEE, Joong Won HA (SOUTH KOREA)
- 46238 **CORRELATIONS OF SERUM LEPTIN, ADIPONECTIN AND RESISTIN LEVELS WITH BODYWEIGHT AND GMFCS CLASSIFICATIONS IN CHILDREN WITH CEREBRAL PALSY**  
Noppachart LIMPAPHAYOM, Phatcharapa OSATEERAKUN, Soarawit WEERASOPONE, Chavarin AMARASE, Sittisak HONSAWEK (THAILAND)

48771 **THE EFFECT OF SPINAL DEFORMITY SURGERY ON PNEUMONIA AND PULMONARY FUNCTION IN PATIENTS WITH NON-IDIOPATHIC SCOLIOSIS**

Joshua HYMAN, Anas MINKARA, Michael VITALE, Hiroko MATSUMOTO, Fay CALLEJO, Nicole BAINTON, Benjamin ROYE, David ROYE (UNITED STATES)

10:00 - 10:30 *Break*

10:30 - 12:00

**Symposium – Best Evidence Based Practice for Paediatric Trauma & Infections**

*Moderator:*

Patricia FUCS (BRAZIL)

**THE HOLE OF EXTERNAL FIXATORS IN PAEDIATRIC FRACTURES**

Gamal HOSNY (EGYPT)

**SUPRACONDYLAR HUMERUS FRACTURES**

George THOMPSON (UNITED STATES)

**FEMUR FRACTURES**

Patricia FUCS (BRAZIL)

**TIBIA FRACTURES**

Matthew DOBBS (UNITED STATES)

**INFECTIONS**

Reggie HAMDY (CANADA)

**DISCUSSION**

12:00 - 12:30

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

12:30 - 13:00

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

13:00 - 14:00

*Industry-Sponsored Symposium*

*Please see page 205 for more information.*

14:00 - 15:30 **Symposium – Fractures of the Pelvis & Acetabulum**

*Moderators:*

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

**PELVIC AND ACETABULAR FRACTURES**

David HAK (UNITED STATES)

**SURGICAL TREATMENT OF COMBINED ACETABULAR AND PELVIC RING FRACTURES**

Jordan SAVESKI (MACEDONIA)

**TRAUMATIC PELVIC ACETABULUM DISSOCIATION**

Dariush GOURAN SAVADKOOHI (IRAN)

**PRIMARY THR VS. ORIF FOR PELVIC AND ACETABULUM FRACTURES**

Nimrod ROZEN (ISRAEL)

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

Vilmos VECSEI (AUSTRIA)

**MANAGEMENT OF DELAYED PRESENTATION IN ACETABULAR FRACTURES**

Ramesh SEN (INDIA)

**DISCUSSION**

15:30 - 16:00 *Break*

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

*Moderators:*

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

*Invited Speaker*

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

Narinder Kumar MAGU (INDIA)

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

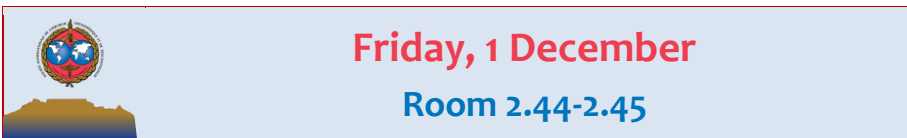
Tarun VERMA (INDIA)

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

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



- 48581 FACTORS AFFECTING FUNCTIONAL OUTCOME OF SURGICALLY MANAGED FRACTURE OF THE ACETABULUM**  
Shah WALIULLAH, Dharmendra KUMAR, Narendra Singh KUSHWAHA, Santosh KUMAR, Girish Kumar SINGH (INDIA)
- 48108 SACRAL FRACTURES WITH SPONDYLOPELVIC DISSOCIATION: OUR EXPERIENCE**  
Leonardo BETTINI, Francesca TOTTI, Filippo FRENOS, Ilaria BARNI, Domenico Andrea CAMPANACCI, Roberto BUZZI, Stefano ROMOLI, Pietro DE BIASE (ITALY)
- 46822 MID-TERM RADIOLOGIC AND FUNCTIONAL OUTCOMES OF MINIMALLY INVASIVE FIXATION OF UNSTABLE PELVIC RING INJURIES USING AN ANTERIOR SUBCUTANEOUS PELVIC INTERNAL FIXATOR (INFIX) AND PERCUTANEOUS ILIOSACRAL SCREWS**  
Aju BOSCO, Ajoy SHETTY, Ramesh PERUMAL, Dheenadhayalan JAYARAMARAJU, Shanmuganathan RAJASEKARAN (INDIA)
- 48411 IS INTERNAL FIXATION EFFECTIVE IN PUBIC SYMPHYSIS DIASTASIS?**  
Kuo-Yuan TSENG, Shanwei YANG, Kai Cheng LIN (TAIWAN)
- 48320 SCIATIC NERVE INJURY WITH FRACTURE OF ACETABULUM: DOES EARLY SURGICAL MANAGEMENT AFFECT RECOVERY?**  
Waleed AMRHASSAEN, Tamer DAWUD (EGYPT)
- 46520 A NEW MINIMALLY INVASIVE FIXATION TECHNIQUE FOR OPEN-BOOK INJURIES – A BIOMECHANICAL ANALYSIS**  
Tobias FRITZ, Benedikt Johannes BRAUN, Laura METTELSIEFEN, Friedemann STROBEL, Tim POHLEMANN, Sascha J. HOPP, Nils Thomas VEITH, Antonius PIZANIS (GERMANY)



08:00 - 10:00

*Invited Lecture & Free Papers – Knee II*

*Moderators:*

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

*Invited Speaker*

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

Matt MORREY (UNITED STATES)

- 47686 COMPARATIVE STUDY OF CT-GUIDED PATIENT SPECIFIC JIG ASSISTED TKA AND CONVENTIONAL INSTRUMENTATION TKA**  
Bushu HARNA (INDIA)



- 47610 IMPACT OF SIZE-SPECIFIC INSTRUMENTATION SETS ON PROCESS COSTS AND HANDLING COMPLEXITY**  
Wilfried VON EIFF (GERMANY)
- 46271 REVISION TOTAL KNEE ARTHROPLASTY FOR FAILED HIGH TIBIAL OSTEOTOMY AND UNICOMPARTMENTAL KNEE ARTHROPLASTY HAS SIMILAR CLINICAL OUTCOMES IN A 2-YEAR PROSPECTIVE FOLLOW-UP STUDY**  
Jason Beng Teck LIM, Hwei Chi CHONG, Hee Nee PANG, Keng Jin Darren TAY, Shi-Lu CHIA, Ngai Nung LO, Seng Jin YEO (SINGAPORE)
- 47782 RELATIONSHIP OF CORRECTABLE VARUS DEFORMITY WITH FEMUR EXTERNAL ROTATION IN PATIENTS UNDERGOING TOTAL KNEE ARTHROPLASTY USING COMPUTER-ASSISTED SURGERY AND COMPARISON BETWEEN GAP MANAGEMENT AND MEASURED RESECTION TECHNIQUES**  
Krishna Kiran EACHEMPATI, Chandra Sekhar DANNANA (INDIA)
- 47693 GAP BALANCING IN COMPUTER NAVIGATED TOTAL KNEE ARTHROPLASTY**  
Jerry Yongqiang CHEN, Mann Hong TAN (SINGAPORE)
- 46991 ROLE OF METAPHYSEAL SLEEVES IN SEPTIC REVISIONS OF TKR**  
Buddhadeb CHATTERJEE (INDIA)
- 48415 TWO YEARS' CLINICAL AND RADIOLOGICAL OUTCOMES COMPARING METAPHYSEAL SLEEVE VERSUS CONVENTIONAL AUGMENTS IN REVISION TKR: A MATCHED PAIR ANALYSIS**  
Mun Chun LAI, Jerry Yongqiang CHEN, Ngai Nung LO, Seng Jin YEO, Hee Nee PANG (SINGAPORE)
- 47472 METAPHYSEAL SLEEVES IN REVISION TKA SURGERY: PROMISING MID-TERM RESULTS**  
Sebastian Martin KLIM, Mathias GLEHR, Florian AMERSTORFER, Patrick SADOGLI, Gerwin BERNHARDT, Andreas LEITHNER, Roman RADL, Norbert KASTNER (AUSTRIA)
- 46176 PREOPERATIVE KINEMATIC NAVIGATION FOR SURGICAL APPROACH CHOICE IN VALGUS TKR SURGERY**  
Radek HART, Martin KOMZAK (CZECH REPUBLIC)
- 48787 MECHANICAL SURVIVORSHIP OF HINGED KNEE ARTHROPLASTY FOR COMPLEX KNEE REVISIONS**  
Akash SARAOGI<sup>1</sup>, Kevin SYAM<sup>2</sup>, Naveen LOKIKERE<sup>2</sup>, Hajime NAGAI<sup>2</sup>, Henry WYNN-JONES<sup>2</sup>, Tim BOARD<sup>2</sup>, George PAVLOU<sup>2</sup>, Nikhil SHAH<sup>2</sup>, Martyn PORTER<sup>2</sup>, Peter KAY<sup>2</sup>  
<sup>1</sup>(INDIA), <sup>2</sup>(UNITED KINGDOM)
- 48074 COMPARISON OF THE ACCURACY OF COMPUTER ASSISTED NAVIGATED SURGERY IN ACHIEVING FINAL COMPONENT ALIGNMENT IN TOTAL KNEE ARTHROPLASTY BETWEEN SEVERE (>15°) AND MILD-MODERATE (<15°) VARUS DEFORMITIES**  
Krishna Kiran EACHEMPATI, Chandra Sekhar DANNANA (INDIA)

- 48830 COMPUTER NAVIGATED TOTAL KNEE ARTHROPLASTY: IMPROVED FUNCTIONAL OUTCOME AND PATIENT SATISFACTION WITH GAP BALANCING COMPARED TO MEASURED RESECTION**  
Navnit MAKARAM, Nicholas CLEMENT, Jackie BELL, Christopher TIEMESSEN, Mehdi SYED ALI, Sara LIVINGSTON (UNITED KINGDOM)
- 48083 INDIVIDUAL KNEE SPACERS CREATED WITH 3D TECHNOLOGIES**  
Yaroslav RUKIN, Aleksey LYCHAGIN, Valeriy MURILEV, Grigoriy ZAKHAROV, Semen ALEKSEEV (RUSSIA)
- 46209 HOFFA PAD IN TKR: DISSECTED OR NOT?**  
Bassel EL-OSTA<sup>1</sup>, Ondrej REJDA<sup>2</sup>, Florian MERKLE<sup>2</sup>, Tomas TRC<sup>2</sup>  
<sup>1</sup>(LEBANON), <sup>2</sup>(CZECH REPUBLIC)
- 47626 COMPARATIVE RESULTS OF 100 CEMENTED VS. 100 CEMENTLESS NEW WAVE™ TOTAL KNEE ARTHROPLASTIES AT A MINIMUM FOLLOW-UP OF 11 YEARS**  
Jean Louis PRUDHON, Regis VERDIER (FRANCE)

10:00 - 10:30 *Break*

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

*Moderators:*

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

**DEBATE: CUSTOM IMPLANTS ARE BETTER**

**FOR – CUSTOM IMPLANTS ARE BETTER**

Maximilian RUDERT (GERMANY)

**AGAINST – CUSTOM IMPLANTS ARE BETTER**

Frederic PICARD (UNITED KINGDOM)

**DISCUSSION**

**DEBATE: ROBOTS OR NAVIGATION**

**ROBOTS**

Alberto GREGORI (UNITED KINGDOM)

**NAVIGATION**

Frederic PICARD (UNITED KINGDOM)

**DISCUSSION**

**VIDEO SESSION – TECHNIQUES**

**PINLESS NAVIGATION – KNEES**

Ajeya ADHIKARI (UNITED KINGDOM)

## HIP NAVIGATION

Kamal DEEP (UNITED KINGDOM)

## CURRENT CONCEPTS

### CURRENT STATE OF HIP NAVIGATION

Djordje LAZOVIC (GERMANY)

### QUO VADIS CAOS

Rene VERDONK (BELGIUM)

### PSI

Mahmoud HAFEZ (EGYPT)

## DISCUSSION

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

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

13:00 - 14:00 *Break*

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

*Moderators:*

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

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

Michel COLMAR (FRANCE)

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

Sophie PUTMAN (FRANCE)

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

Sebastien LUSTIG (FRANCE)

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

Pascal VIE (FRANCE)

**CASE BASED DISCUSSION FOR TAKE HOME MESSAGES**

Jean-Noel ARGENSON (FRANCE)

Friday, 1 December  
Room 2.44-2.45



15:30 - 16:00 *Break*

16:00 - 17:30

**Young Surgeons Committee Symposium – Difficult Case Discussions in Hip & Knee Arthroplasty**

*Moderators:*

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

*Faculty:*

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

**CASE 1**

Ali ENAYATOLLAHI (IRAN)

**CASE 2**

Ahmed ABDELAZEEM (EGYPT)

**CASE 3**

Rashad ZEYNALOV (AZERBAIJAN)

**CASE 4**

Ahmed ALGHAMDI (SAUDI ARABIA)

**CASE 5**

Mustafa ASANSU (TURKEY)

**CASE 6**

Saheed YAKUB (NIGERIA)

**CASES 7 & 8**

Ruwais BINLAKSAR (YEMEN)

**CASES 9 & 10**

Tunay ERDEN (TURKEY)

**CASES 11 & 12**

Hitesh GOPALAN (INDIA)

**FINAL REMARKS**

Fares HADDAD (UNITED KINGDOM)

**Q&A – DISCUSSION**



Friday, 1 December

Room 2.61-2.66

08:00 - 10:00

**Invited Lecture & Free Papers – Shoulder & Elbow**

*Moderators:*

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

*Invited Speaker*

**TAKING THE TERROR OUT OF THE ELBOW TRIADS**

Lee VAN RENSBURG (UNITED KINGDOM)

**47755 CAN WE REASONABLY SUGGEST A TOTAL ELBOW PROSTHESIS TO PATIENTS BELOW THE AGE OF 55?**

Pierre MANSAT, Mahdi SIALA, Julien TOULEMONDE, Stephanie DELCLAUX, Michel RONGIÈRES, Nicolas BONNEVIALLE (FRANCE)

**48133 MID-TERM OUTCOMES OF 77 MODULAR RADIAL HEAD PROSTHESES**

Pierre LAUMONERIE<sup>1</sup>, Nicolas REINA<sup>1</sup>, David ANCELIN<sup>1</sup>, Meagan TIBBO<sup>2</sup>, Nicolas BONNEVIALLE<sup>1</sup>, Pierre MANSAT<sup>1</sup>  
<sup>1</sup>(FRANCE), <sup>2</sup>(UNITED STATES)

**48547 LONG-TERM FOLLOW-UP AFTER IMPLANTATION OF A BIPOLAR RADIAL HEAD PROSTHESIS VS. OSTEOSYNTHESIS TO TREAT COMPLEX RADIAL HEAD FRACTURES**

David STEIMER, Samantha BADURA, Christian KRETTEK, Martin PANZICA (GERMANY)

**48230 COMPARISON OF INTRA-ARTICULAR FINDINGS AND CLINICAL FEATURES BETWEEN PATIENTS WITH SYMPTOMATIC ANTERIOR INSTABILITY AFTER RECURRENT SHOULDER SUBLUXATION AND DISLOCATION**

In PARK, Sang-Jin SHIN, Jae-Hoo LEE, Hwan-Sub HYUN (SOUTH KOREA)

**47924 ARTHROSCOPIC REMPLISSAGE FOR RECURRENT SHOULDER INSTABILITY**

Sahil SANGHAVI (INDIA)

**47900 OUTCOME OF BRISTOW-LATARJET PROCEDURE IN A GROUP OF MULTIDISLOCATORS**

Sebastian ZABIEREK, Marcin DOMZALSKI (POLAND)

**48520 FACTORS ASSOCIATED WITH ATRAUMATIC POSTEROSUPERIOR ROTATOR CUFF TEAR**

Hyung Bin PARK, Ji-Yong GWARK (SOUTH KOREA)

**48352 NEW QUANTIFICATION METHOD FOR THE FATTY INFILTRATION**

Jin Woong YI, Jun Bum JUN, Tae Gyun KIM, Sang-Bum KIM (SOUTH KOREA)

Friday, 1 December  
Room 2.61-2.66



- 48258 **ASSOCIATION BETWEEN HIGH-NORMAL FASTING PLASMA GLUCOSE LEVELS AND POSTEROSUPERIOR ROTATOR CUFF TEARS**  
Ji-Yong GWARK, Hyung Bin PARK (SOUTH KOREA)
- 47754 **CLINICAL AND ANATOMIC RESULTS OF SURGICAL REPAIR OF CHRONIC ROTATOR CUFF TEARS AT 10-YEAR MINIMUM FOLLOW-UP**  
Pierre MANSAT, Fanny ELIA, Marine ARBOUCALOT, Julie LEBON, Amélie FARAUD, Nicolas BONNEVIALLE (FRANCE)
- 46226 **SERIAL CHANGES IN 3-DIMENSIONAL SUPRASPINATUS MUSCLE VOLUME FOLLOWING ROTATOR CUFF REPAIR**  
Seok Won CHUNG, Jong Pil YOON, Joon Yub KIM (SOUTH KOREA)
- 48054 **WHICH IS BETTER BETWEEN CONVENTIONAL EN MASSE REPAIR VERSUS SEPARATE DOUBLE-LAYER DOUBLE-ROW REPAIR FOR THE TREATMENT OF DELAMINATED ROTATOR CUFF TEARS: A PROSPECTIVE RANDOMISED STUDY**  
Yang-Soo KIM, Hyo-Jin LEE, Gwang Young SUNG, Dong-Jin KIM, Jong-Ho KIM (SOUTH KOREA)

10:00 - 10:30 *Break*

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

*Moderators:*

Przemyslaw LUBIATOWSKI (POLAND), Pierre MANSAT (FRANCE)

**WHY DOES AN ELBOW BECOME STIFF?**

Marius SCARLAT (FRANCE)

**OPEN RELEASE OF THE ELBOW: TECHNIQUE AND RESULTS**

Przemyslaw LUBIATOWSKI (POLAND)

**ARTHROSCOPIC RELEASE OF THE ELBOW: TECHNIQUE AND RESULTS**

Pierre MANSAT (FRANCE)

**HETEROTOPIC OSSIFICATION LIMITING MOTION**

Basil VRETTOS (SOUTH AFRICA)

**RARE CASES AND DISCUSSION**

Stephen ROCHE (SOUTH AFRICA)

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

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

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

*Please see page 205 for more information.*

14:00 - 15:30 **Symposium – Management of Rotator Cuff Disease**

*Moderators:*

Nuri AYDIN (TURKEY), Jacinto MONTEIRO (PORTUGAL)

**THE PLACE FOR OPEN REPAIR – IS IT STILL ADMISSIBLE?**

Johan PRINS (SOUTH AFRICA)

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

Graham TYTHERLEIGH-STRONG (UNITED KINGDOM)

**SUBCAPSULARIS REPAIR – INDICATIONS AND RESULTS**

Rosmaninho SEABRA (PORTUGAL)

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

Srinath KAMINENI (UNITED STATES)

**THE ROLE OF BIOLOGICS – DO THEY WORK?**

Nuno SEVIVAS (PORTUGAL)

**REHABILITATION FOLLOWING ROTATOR CUFF REPAIR**

Lee VAN RENSBURG (UNITED KINGDOM)

**CASES**

Jo DE BEER (SOUTH AFRICA)

**DEBATE: ARTHROSCOPIC VERSUS OPEN REPAIR**

**ARTHROSCOPIC**

Lee VAN RENSBURG (UNITED KINGDOM)

**OPEN REPAIR**

Srinath KAMINENI (UNITED STATES)

**DISCUSSION**

15:30 - 16:00 *Break*

Friday, 1 December  
Room 2.61+2.66



*Moderators:*

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

- 47753 LONG-TERM RESULTS OF RESURFACING SHOULDER ARTHROPLASTY IN OSTEOARTHRITIS: RETROSPECTIVE MONOCENTRIC STUDY OF 100 CASES**  
Pierre MANSAT, Julie LEBON, Fanny ELIA, Amélie FARAUD, Vadim AZOULAY, Nicolas BONNEVIALLE (FRANCE)
- 47457 REVERSE TOTAL SHOULDER ARTHROPLASTY FOR CUFF ARTHROPATHY IMPROVES SHOULDER PROPRIOCEPTION**  
Joanna WALECKA, Marta SLEZAK, Przemyslaw LUBIATOWSKI, Ewa BREBOROWICZ, Jerzy WIESE, Marcin REDMAN, Leszek ROMANOWSKI (POLAND)
- 46301 STANDARD VERSUS BONY INCREASED-OFFSET REVERSE SHOULDER ARTHROPLASTY: A RETROSPECTIVE COMPARATIVE COHORT STUDY**  
Alexandre LÄDERMANN<sup>1</sup>, Philippe COLLIN<sup>2</sup>  
<sup>1</sup>(SWITZERLAND), <sup>2</sup>(FRANCE)
- 48523 INDIVIDUALISING HUMERAL RETROVERSION AND SUBSCAPULARIS REPAIR IN REVERSE SHOULDER ARTHROPLASTY: DOES IT AFFECT THE FUNCTIONAL OUTCOME?**  
Nikhil SHARMA<sup>1</sup>, Joo Han OH<sup>2</sup>  
<sup>1</sup>(INDIA), <sup>2</sup>(SOUTH KOREA)
- 48442 WHAT IS THE INFLUENCE OF GREATER TUBEROSITY (GT) HEALING ON CLINICAL OUTCOMES AFTER REVERSE SHOULDER ARTHROPLASTY (RSA) FOR ACUTE FRACTURE OF THE PROXIMAL HUMERUS?**  
Nicolas BONNEVIALLE, Xavier OHL, Philippe VALENTI, David GALINET, Pascal BOILEAU (FRANCE)
- 47683 HUMERAL STEM LOOSENING FOLLOWING REVERSE SHOULDER ARTHROPLASTY – SYSTEMATIC REVIEW AND META-ANALYSIS**  
Ben GREY, Reitze RODSETH, Steve ROCHE (SOUTH AFRICA)
- 48330 MID-TERM OUTCOME OF AFFINIS SHORT-STEM ANATOMIC TOTAL SHOULDER REPLACEMENT: LARGEST SINGLE SURGEON SERIES OF 2- TO 6-YEAR FOLLOW-UP**  
Karadi SUNIL KUMAR, Soren SJOLIN (UNITED KINGDOM)
- 48226 REVERSE SHOULDER ARTHROPLASTY FOR FOUR-PART PROXIMAL HUMERUS FRACTURE IN ELDERLY PATIENTS: CAN A HEALED TUBEROSITY IMPROVE THE FUNCTIONAL OUTCOMES?**  
Sang-Jin SHIN, In PARK, Jae-Hoo LEE, Hwan-Sub HYUN (SOUTH KOREA)
- 47756 REVISION TOTAL ELBOW ARTHROPLASTY WITH A SEMICONSTRAINED HINGE PROSTHESIS: 33 CASES REVIEWED WITH 5-YEAR AVERAGE FOLLOW-UP**  
Pierre MANSAT, Julien TOULEMONDE, Marine ARBOUCALOT, Fanny ELIA, Stephanie DELCLAUX, Michel RONGIÈRES, Nicolas BONNEVIALLE (FRANCE)
- 46779 MORTALITY AFTER CONSERVATIVE AND OPERATIVE TREATMENT WITH REVERSE TOTAL SHOULDER ARTHROPLASTY FOR COMPLEX DISPLACED PROXIMAL HUMERUS FRACTURES IN THE ELDERLY**  
Dani ROTMAN, Ornit GILADI, Ofir CHECHIK (ISRAEL)





Friday, 1 December

Room 1.41-1.42

08:00 - 10:00

**Invited Lecture & Free Papers – Infections I**

*Moderators:*

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

*Invited Speaker*

**PREVENTION OF SURGICAL SITE INFECTION (SSI) – WHAT’S NEW IN 2017**  
Allan VAN ZYL (SOUTH AFRICA)

- 48611 ASEPTIC LOOSENING REVISION OF HIP AND KNEE TOTAL ARTHROPLASTY: INFECTION SHOULD ALWAYS BE RULED OUT**  
Claudia RODRIGUES, Luis COUTINHO, Luis BARROS, Marta SILVA, João ROSA, Ricardo SOUSA (PORTUGAL)
- 46690 HEMATOGENOUS PERIPROSTHETIC JOINT INFECTIONS: AN ANALYSIS OF 70 CONSECUTIVE EPISODES**  
Anastasia RAKOW, Michael SCHUETZ, Carsten PERKA, Andrej TRAMPUZ, Nora RENZ (GERMANY)
- 47235 TWO-STAGE TREATMENT OF SEPTIC HIP ARTHRITIS IN ADULTS**  
Nedelcho TZACHEV, Vladimir STOICHKOV, Nikolay IVANOV, Nikola HARISKOV (BULGARIA)
- 46832 PERIPROSTHETIC FUNGAL INFECTIONS: OUTCOMES AND PREDICTIVE FACTORS**  
Manpreet Singh SIDHU, Pauline JUMAA, Michael PARRY, Lee JEYS, Jonathan STEVENSON (UNITED KINGDOM)
- 46160 IS IT POSSIBLE TO TREAT CHRONIC FUNGAL PERIPROSTHETIC JOINT INFECTION WITH SINGLE-STAGE REVISION? – AN AVERAGE OF 5 YEARS OF FOLLOW-UP**  
Baochao JI, Li CAO, Boyong XU (CHINA)
- 46478 USE OF ANTIBIOTIC CEMENT-IMPREGNATED INTRAMEDULLARY-NAIL IN THE TREATMENT OF INFECTED NON-UNION OF LONG BONES USING A 2-STAGE PROCEDURE**  
Arun Kumar PANDEY, Saurabh AGRAWAL (INDIA)
- 47730 GROWTH DEFORMITY AFTER LOWER LIMB SUBACUTE OSTEOMYELITIS (BRODIE’S ABSCESS)**  
Pamela GARCIA PULIDO, Kuldeep STOHR, Majeed SHAKOKANI (UNITED KINGDOM)
- 47140 IS THE NON-UNION SCORING SYSTEM CLASSIFICATION (NUSS) STILL VALID TO DESCRIBE THE CASE OF SEPTIC FAILURES?**  
Giorgio Maria CALORI, Emilio Luigi MAZZA, Massimiliano COLOMBO, Alessandra COLOMBO, Simone MAZZOLA, Fabio GIARDINA, Fabio ROMANÒ (ITALY)

Friday, 1 December  
Room 1.41-1.42



- 47148 THE ROLE OF PET TC FDG IN THE 2-STEP IMPLANTATION OF MEGAPROSTHESES IN POST-TRAUMATIC AND PERIPROSTHETIC SEPTIC BONE DEFECTS**  
Giorgio Maria CALORI, Massimiliano COLOMBO, Emilio Luigi MAZZA, Alessandra COLOMBO, Simone MAZZOLA, Fabio ROMANÒ, Fabio GIARDINA (ITALY)
- 48376 THE PHENOTYPIC DETECTION OF CARBAPENEM RESISTANT ORGANISMS IN ORTHOPAEDIC WOUND INFECTIONS IN ILE-IFE**  
Elkanah Ayodele ORIMOLADE<sup>1</sup>, Olubunmi ALAKA<sup>1</sup>, Olabisi OJO<sup>2</sup>, Anthony ONIPEDE<sup>1</sup>  
<sup>1</sup>(NIGERIA), <sup>2</sup>(UNITED STATES)
- 48197 MULTI DRUG RESISTANT SPINAL TUBERCULOSIS: A SERIES OF 27 CASES**  
Mohit Kumar ARORA, Anil Kumar JAIN, Karan JAGGI, Samarth MITTAL (INDIA)
- 47807 TUBERCULOSIS AFTER IMPLANT SURGERY: A NEW CHALLENGE**  
Vijay Kumar KHARIWAL, Sadhna GARG (INDIA)

10:00 - 10:30 *Break*

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

*Moderators:*

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

**DISTRACTION OSTEOGENESIS FOR BONE INFECTIONS**

Hiroyuki TSUCHIYA (JAPAN)

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

Ferdinando DA RIN DE LORENZO (ITALY)

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

Guenter LOB (GERMANY)

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

Akos ZAHAR (GERMANY)

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

Fatih KUCUKDURMAZ (TURKEY)

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

Heinz WINKLER (AUSTRIA)

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

Carlo ROMANO (ITALY)

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

Shanmuganathan RAJASEKARAN (INDIA)

**DISCUSSION**

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

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

13:00 - 14:00 *Break*

14:00 - 15:30 *Symposium – Infections of the Bone II*

*Moderators:*

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

**DAMAGE CONTROL IN THE TREATMENT OF BONE INFECTIONS**

Khaled EMARA (EGYPT)

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

Anil DHAL (INDIA)

**POST INFECTIVE GAP DEFECTS IN CHILDREN**

Ashok JOHARI (INDIA)

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

Ferdinando DA RIN DE LORENZO (ITALY)

**ANTIMICROBIAL IMPLANTS (IODINE COATING) FOR BONE INFECTIONS**

Hiroyuki TSUCHIYA (JAPAN)

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

Carlo ROMANO (ITALY)

Friday, 1 December  
Room 1.41-1.42



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

Len MARAIS (SOUTH AFRICA)

**DISCUSSION**

15:30 - 16:00 *Break*

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

*Moderators:*

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

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

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



**Friday, 1 December**  
**Room 1.43-1.44**

08:00 - 10:00

**Invited Lecture & Free Papers – Hip Arthroplasty**

*Moderators:*

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

*Invited Speaker*

**STEM REVISION USING A PRIMARY UNCEMENTED HA COATED STEM**  
Peter ALDINGER (GERMANY)

- 47974 RELEVANCE OF IMPLANT SURVIVAL ESTIMATES IN STUDIES WITH LONG FOLLOW-UP**  
Laurent JACQUOT, Julien CHOUTEAU, Mo SAFFARINI, Hugo BOTHOREL, Hannink GERJON, Jean Pierre VIDALAIN (FRANCE)



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

10:00 - 10:30 *Break*

10:30 - 12:00

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

*Moderators:*

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

**MANAGING CAM FAI**

Hatem SAID (EGYPT)

**INVESTIGATING A YOUNG ADULT WITH HIP PAIN**

Emmanuel AUDENAERT (BELGIUM)

**SAFE ARTHROSCOPIC ACCESS TO THE HIP JOINT**

Thane MUNTING (SOUTH AFRICA)

**INDICATIONS FOR HIP ARTHROSCOPY IN 2017**

Chuck CAKIC (SOUTH AFRICA)

**MANAGING DYSPLASIA IN THE YOUNG ADULT**

Ajay MALVIYA (UNITED KINGDOM)

**MANAGING PINCER FAI**

Oliver MARIN-PENA (SPAIN)

**DEBATE**

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

Fares HADDAD (UNITED KINGDOM)

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

Vikas KHANDUJA (UNITED KINGDOM)

**DISCUSSION**

**VIDEO SESSION**

**ACETABULAR LABRAL REPAIR**

Chuck CAKIC (SOUTH AFRICA)

**ADDRESSING THE CAM LESION**

Oliver MARIN-PENA (SPAIN)

**DISCUSSION**

12:00 - 12:30

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

Friday, 1 December  
Room 1.43-1.44



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

13:00 - 14:00 *Break*

14:00 - 15:30 **Association for Rational Treatment of Fractures Symposium & Workshop – External Fixation in Damage Control & Beyond**

*Moderators:*

Marc HANSCHEN (GERMANY), James WADDELL (CANADA)

**HISTORY AND PRINCIPLES OF EXTERNAL FIXATION**

James WADDELL (CANADA)

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

Samuel MOLYNEUX (UNITED KINGDOM)

**EXTERNAL FIXATION IN PELVIC TRAUMA – RATIONALE AND TECHNIQUE**

Arindam BANERJEE (INDIA)

**PRIMARY RING FIXATION IN TRAUMA**

Nando FERREIRA (SOUTH AFRICA)

**RECONSTRUCTIVE SURGERY USING THE HEXAPOD SYSTEM EARLY AND LATE FOLLOWING TRAUMA**

Marc HANSCHEN (GERMANY)

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

15:30 - 16:00 *Break*

16:00 - 17:30 **Symposium – Microsurgery Roundtable: What’s New in Chinese Orthopaedic Microsurgery**

*Moderators:*

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

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

Li-Qiang GU (CHINA)

**THE ROLE OF MICROSTRUCTURE IN PERIPHERAL NERVE REGENERATION**

Xiaolin LIU (CHINA)



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

Juyu TANG (CHINA)

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

Yimin CHAI (CHINA)

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

Yanxi LIU (CHINA)

**NEW TRENDS ON THUMB AND FINGER RECONSTRUCTION**

Zengtao WANG (CHINA)

**REVASCULARISING THE SEVERELY INJURED LIMB**

Qingtang ZHU (CHINA)

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

Ziqing ZHANG (CHINA)

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

Jian-Xi HOU (CHINA)



**Friday, 1 December**

**Room 1.61-1.62**

Friday, 1 December  
Room 1.43-1.44

08:00 - 10:00

**Invited Lecture & Free Papers – Infection in Spine**

*Moderators:*

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

*Invited Speaker*

**IMPACT OF RESEARCH EVIDENCE ON CLINICAL PRACTICE**

Anil JAIN (INDIA)

**47094 FIRST EVER BONE AND JOINT TUBERCULOSIS TREATMENT GUIDELINES**

Anil JAIN, Ravi SREENIVASAN (INDIA)

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

Roop SINGH (INDIA)



- 46739 **MANAGEMENT OF TUBERCULOSIS IN DORSOLUMBAR SPINE: A SYSTEMATIC REVIEW**  
Prince RAINA, Shobha ARORA (INDIA)
- 46662 **APPLICATION OF TLIF TECHNOLOGY COMBINED WITH LESION CLEARANCE AND CHEMOTHERAPY VIA CATHETER FOR THE TREATMENT OF SPINAL TUBERCULOSIS**  
Yun-Fei HUANG, Lei GUO, Yibin MENG, Xin HE (CHINA)
- 46604 **A PROSPECTIVE STUDY OF CLINICO-RADIOLOGIC-URODYNAMIC CORRELATION IN PATIENTS WITH TUBERCULOSIS OF THE SPINE**  
Roop SINGH, Tanwar MILIND (INDIA)
- 48295 **SAFETY OF INSTRUMENTATION IN TUBERCULOSIS OF SPINE, WET LESIONS**  
Saurabh SINGH, Alok RAI, Sanjay YADAV, Ghanshyam N. KHARE (INDIA)
- 47988 **OPERATIVE TREATMENT FOR L5S1 TUBERCULOSIS ACCOMPANIED WITH PRE-SACRAL ABSCESS THROUGH COMBINED ANTERIOR AND POSTERIOR APPROACH**  
Qianfen CHEN, Feng HU, Xiaofeng LI (CHINA)
- 47987 **OPERATIVE TREATMENT FOR TH2-5 TUBERCULOSIS VIA AXILLARY MIDLINE TRANSTHORACIC APPROACH**  
Qianfen CHEN, Feng HU, Xiaofeng LI (CHINA)
- 47245 **DIAGNOSING UPPER CERVICAL EPIDURAL ABSCESS: RETROSPECTIVE ANALYSIS AND REVIEW OF PUBLISHED CASES FROM 1931-2015**  
Khalid AL-HOURANI<sup>1</sup>, Rami AL-AREF<sup>2</sup>, Robert LEY-GREAVES<sup>1</sup>, Fatima BALLOUT<sup>2</sup>, Addisu MESFIN<sup>2</sup>  
<sup>1</sup>(UNITED KINGDOM), <sup>2</sup>(UNITED STATES)
- 48358 **THE ROLE OF PERCUTANEOUS TRANSPEDICULAR BIOPSY IN TB SPINE AND ITS CORRELATION WITH CLINICO-RADIOLOGICAL FEATURES**  
Madan Mohan SAHOO, Sudhir MAHAPATRA (INDIA)
- 46871 **SELECTION OF SURGICAL APPROACH IN SPINAL TUBERCULOSIS – A MULTICENTRE EXPERIENCE OF 621 CASES**  
M. Shah ALAM<sup>1</sup>, M. Rezaul KARIM<sup>1</sup>, Kevin PHAN<sup>2</sup>, Sharif Ahmed JONAYED<sup>1</sup>, Hasan Khalid M. MUNIR<sup>1</sup>, Abul Kalam AZAD<sup>1</sup>, Shubhendu CHAKRABORTY<sup>1</sup>, Tashfique ALAM<sup>1</sup>  
<sup>1</sup>(BANGLADESH), <sup>2</sup>(AUSTRALIA)

10:00 - 10:30 *Break*

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

*Moderators:*

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

**TB OF THE SPINE IN INDIA**

Anil JAIN (INDIA)

**PAEDIATRIC SPONDYLODISCITIS**

Robert DUNN (SOUTH AFRICA)

**SPINE INFECTIONS IN INDIA**

Ajoy Prasad SHETTY (INDIA)

**SPINE INFECTIONS IN HONG KONG AND CHINA**

Keith LUK (HONG KONG)

**HIV / TB SYNDEMIC**

Robert DUNN (SOUTH AFRICA)

**SPINE INFECTIONS IN DENMARK**

Cody BUNGER (DENMARK)

**SPINE INFECTIONS IN SOUTH AMERICA**

Fernando FACANHA FILHO (BRAZIL)

**TREATING THE INFECTED SPINE: A NOVEL APPROACH**

Christopher KLECK (UNITED STATES)

**PANEL DISCUSSION**

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

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

13:00 - 14:00 *Break*

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

*Moderators:*

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

*Invited Speaker*

**UNI AND BIFACETAL INJURIES OF THE CERVICAL SPINE**

Ajoy SHETTY (INDIA)

Friday, 1 December  
Room 1.61-1.62



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

15:30 - 16:00 *Break*

16:00 - 17:30

*Best Papers Session*

*Chairmen:*

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

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

Friday, 1 December  
Room 1.61-1.62



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

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

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

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



**Friday, 1 December**

**Room 1.63**

07:00 - 08:00

**Young Surgeons Committee Virtual Workshop – How to Search Literature**

*Moderators:*

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

**COCHRANE**

Mohamed SUKEIK (UNITED KINGDOM)

**GOOGLE SCHOLAR**

Tunay ERDEN (TURKEY)

**PUBMED**

Fatih KUCUKDURMAZ (TURKEY)

**WEB OF SCIENCE**

Mustafa ASANSU (TURKEY)

**GRAY LITERATURE**

Samer MAHMOUD (UNITED KINGDOM)

**SCOPUS**

Ahmed ABDELAZEEM (EGYPT)

**INTERACTIVE PRACTICE SESSION**

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

*Moderators:*

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

**INTERNATIONAL ORTHOPAEDICS IN 2017**

Marius SCARLAT (FRANCE)

**VISIBILITY AND IMPACT OF MEDICAL PUBLICATION**

David HAK (UNITED STATES)

**THE PEER-REVIEW PROCESS**

Fares HADDAD (UNITED KINGDOM)

**WHAT I LIKE AND DISLIKE IN A PAPER**

James WADDELL (CANADA)

**THE RISE OF CHINESE ORTHOPAEDIC PUBLICATIONS**

Yong Cheng HU (CHINA)

**THE PUBLISHER'S POINT OF VIEW**

Gabriele SCHROEDER (GERMANY)

**RESEARCH METRICS**

Vikas KHANDUJA (UNITED KINGDOM)

10:00 - 10:30 *Break*

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

*Moderators:*

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

**REVIEWERS ARE VIP'S!**

Andrew QUAILE (UNITED KINGDOM)

**SPECIAL ISSUES OF "INTERNATIONAL ORTHOPAEDICS"**

David HAK (UNITED STATES)

**MANAGING REFERENCES AND REVIEWS**

Jing SUN (CHINA)

**FRAUD DETECTION AND RELATED PROCEDURES**

Andreas MAVROGENIS (GREECE)

**REVIEW PROCESS IN OPEN ACCESS**

Hatem SAID (EGYPT)

**RESEARCH AND REFERENCES**

Anil JAIN (INDIA)

Friday, 1 December  
Room 1.63



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

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

13:00 - 14:00 *Break*

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

*Moderators:*

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

**SURGICAL ANATOMY: ANATOMY IS STILL THE MASTER OF SURGERY**

Raffaele DE CARO (ITALY)

**ADVANCES IN PROSTHETIC RECONSTRUCTION**

Pietro RUGGIERI (ITALY)

**ENDOPROSTHESES IN TUMOUR SURGERY**

Keith HOSKING (SOUTH AFRICA)

**ADVANCES IN PELVIC TUMOUR SURGERY**

Georg GOSHEGER (GERMANY)

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

Franco BASSETTO, Cesare TIENGO (ITALY)

15:30 - 16:00 *Break*

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

*Moderators:*

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

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

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



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



**Friday, 1 December**  
**Room 1.64**

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

*Moderators:*

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

- 46948 DRIVING SAFETY AFTER SPINAL SURGERY – SYSTEMATIC REVIEW**  
Abduljabbar ALHAMMOUD<sup>1</sup>, Kenan Alkhalili KENAN ALKHALILI<sup>2</sup>, Abdul Moen BACO<sup>1</sup>  
<sup>1</sup>(QATAR), <sup>2</sup>(UNITED STATES)
- 46804 METAL RELEASE FROM SPINE INSTRUMENTATION AND THE LOCAL TISSUE REACTION**  
Christopher KLECK, Reed AYERS, Mackenzie MILLER, Evalina BURGER (UNITED STATES)
- 47013 AN ATYPICAL CASE OF TUBERCULOSIS OF THE POSTERIOR ELEMENTS OF T<sub>2</sub> AND T<sub>3</sub> WITHOUT INVOLVEMENT OF THE VERTEBRAL BODIES**  
Naveen MITTAL, Payal MITTAL, Deepak VASHISHT (INDIA)
- 46159 RISK FACTORS FOR CHRONIC BACKACHE IN CIVILIAN AND MILITARY POPULATION – ARE THERE ANY DIFFERENCES?**  
Vasudeva PAI<sup>1</sup>, Vishal PAI<sup>2</sup>  
<sup>1</sup>(NEW ZEALAND), <sup>2</sup>(AUSTRALIA)
- 47150 THORACIC MYELOPATHY CAUSED BY COMBINED OSSIFICATION OF POSTERIOR LONGITUDINAL LIGAMENT AND OSSIFICATION OF LIGAMENTUM FLAVUM: CASE SERIES IN A REGIONAL INSTITUTION IN HONG KONG**  
Eleanor WEN, Ka Kin CHEUNG (HONG KONG)
- 48676 COMPARATIVE EVALUATION OF PERCUTANEOUS ENDOSCOPIC LUMBAR DISCECTOMY AND OZONE-AUGMENTED PERCUTANEOUS LUMBAR DISCECTOMY FOR THE TREATMENT OF LUMBAR DISC HERNIATION**  
Frank Yaw TAKYI-APPIAH, Xicheng LI (CHINA)
- 47021 A SURVEY OF THE USE OF TRACTION BY SPECIALISTS FOR THE REDUCTION OF CERVICAL SPINE DISLOCATIONS**  
Matthew WORKMAN, Nicholas KRUGER (SOUTH AFRICA)
- 46921 NAVIGATOR-ASSISTED TECHNIQUE OF TRANSFORAMINAL PERCUTANEOUS ENDOSCOPIC LUMBAR DISCECTOMY AT L<sub>5</sub>/S<sub>1</sub> LEVEL WITH HIGH CREST: A PROSPECTIVE CONTROL STUDY**  
Guoxin FAN, Hailong ZHANG, Xin GU, Shisheng HE (CHINA)



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

10:00 - 10:30 *Break*

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

*Moderators:*

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

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

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

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

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

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

13:00 - 14:00 *Break*

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

*Moderators:*

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

*Invited Speaker*

**UPDATE ON SCAPHOLUNATE INJURIES**

Ajmal IKRAM (SOUTH AFRICA)

48817 **EFFICIENCY OF ORTHOPAEDIC SURGICAL INSTRUMENT TRAYS**

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

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

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

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

Ola ROLFSON, Erik BÜLOW, Szilard NEMES (SWEDEN)

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

15:30 - 16:00 *Break*

16:00 - 17:30

**Invited Lecture & Short Free Papers – Paediatrics**

*Moderators:*

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

*Invited Speaker*

**MANAGEMENT OF THE NEGLECTED CLUBFOOT**

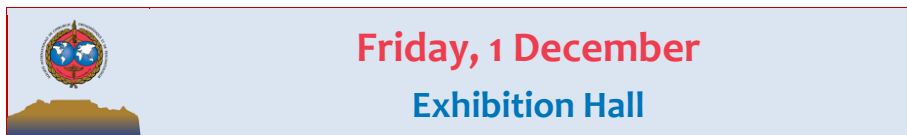
Shantharam SHETTY (INDIA)

- 46751 A LA CARTE APPROACH IN SURGICAL TREATMENT OF EQUINUS DEFORMITY IN PATIENTS WITH RECURRENT CLUBFOOT**  
Viachaslau BRADKO, Heorhi BRADKO, Alexander BELETSKY (BELARUS)
- 47382 INTRA-ARTICULAR STRUCTURES LIKE LIGAMENT IN ADOLESCENTS' KNEE WHICH CAUSED RECURRENT LUXATION OF THE PATELLA**  
Sandor ROTH, Aron ROTH, Bobinac DRAGICA (CROATIA)
- 46530 ILIZAROV APPARATUS FOR MANAGING SEVERE TYPES OF PERTHES DISEASE**  
Mikhail TEPLENKIY (RUSSIA)
- 46852 A STUDY OF THE USE OF TRANEXAMIC ACID IN SPINAL FUSION FOR SPINAL MUSCULAR ATROPHY SCOLIOSIS**  
Shih-Hsiang CHOU, Po-Chih SHEN, Cheng-Chang LU, Chih-Ming KAO, Li-Wen CHIU, Yin-Chun TIEN (TAIWAN)
- 48020 WHAT FACTORS AFFECT THE SURVIVAL RATE OF PATIENTS WITH DUCHENE MUSCULAR DYSTROPHY SCOLIOSIS?**  
Hak Sun KIM, Seungjin CHOI, Ki Chan AHN, Joong Won HA, Seong Hwan MOON (SOUTH KOREA)
- 46205 GROWTH MODULATION AND REMODELLING BY MEANS OF POSTERIOR TETHERING TECHNIQUE FOR CORRECTION OF EARLY-ONSET SCOLIOSIS WITH THORACOLUMBAR KYPHOSIS**  
Alaa Azmi AHMAD (PALESTINE)
- 47026 COMPLICATIONS FOLLOWING ACUTE HAEMATOGENOUS OSTEOMYELITIS IN CHILDREN**  
Anria HORN, Stefan WEVER, Eduard Bernard HOFFMAN (SOUTH AFRICA)
- 48423 THE RESULTS OF SURGICAL TREATMENT FOR LONGITUDINAL EPIPHYSEAL BRACKET WITH POLYSYNDACTYLY**  
Hee Jin LEE, Inhee KIM, Yong Geon PARK, Hui Taek KIM, Chong Il YOO (SOUTH KOREA)
- 46970 CLINICAL, LABORATORY AND RADIOLOGICAL PROFILE OF CHILDREN SUFFERING FROM SEPTIC ARTHRITIS IN A TERTIARY HOSPITAL IN DELHI**  
Akhil AGNIHOTRI (INDIA)

Friday, 1 December  
Room 1.64



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



10:00 - 10:30 *JAM (Just a Minute) Session – Hip & Knee*

*Moderator:*  
Vikas KHANDUJA (UNITED KINGDOM)

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



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

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

- 47074 DOES FINAL COMPONENT ALIGNMENT COINCIDE WITH ALIGNMENT OF THE BONE RESECTION SURFACES IN CEMENTED TOTAL KNEE ARTHROPLASTY?**  
Seung-Suk SEO, Changrack LEE, Muwon KIM (SOUTH KOREA)
- 46460 KINEMATIC ALIGNMENT OF TOTAL KNEE ARTHROPLASTY**  
Sang Eun PARK, Kugjin CHOI (SOUTH KOREA)
- 48104 ANALYSIS OF ANTHROPOMETRIC DATA OF SOUTH ASIAN POPULATION WITH KNEE PAIN**  
Rajesh MALHOTRA<sup>1</sup>, Vijay KUMAR<sup>1</sup>, Mayur NAYAK<sup>1</sup>, Gaurav KANOGIYA<sup>1</sup>, Deep SRIVASTAVA<sup>1</sup>, Stephen MELLON<sup>1</sup>, David MURRAY<sup>2</sup>, Hemant PANDIT<sup>2</sup>  
<sup>1</sup>(INDIA), <sup>2</sup>(UNITED KINGDOM)
- 48072 RELATIONSHIP BETWEEN RADIOGRAPHIC GRADING OF KNEE OSTEOARTHRITIS AND FUNCTIONAL LIMITATION IN ELDERLY PATIENTS**  
Zenat Ahmed KHIRED (SAUDI ARABIA)
- 46396 TO EVALUATE AND COMPARE THE EFFECT OF OZONE THERAPY WITH INTRA-ARTICULAR CORTICOSTEROIDS ON FUNCTIONAL QUALITY OF LIFE OF KNEE OA PATIENTS**  
Shubhanshu SHEKHAR, Anil Kumar RAI, Saurabh SINGH, G.N. KHARE (INDIA)
- 48831 QUALITY OF LIFE AFTER LARS RECONSTRUCTION FOR ACL TEARS: A PROSPECTIVELY PLANNED 12-YEAR FOLLOW-UP STUDY**  
Gerwin Alexander BERNHARDT, Anna Verena KIEGERL, Patrick SADOGHI, Norbert KASTNER, Matthias WOLF, Andreas LEITHNER, Gerald GRUBER (AUSTRIA)
- 48707 ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION BY HOURGLASS TECHNIQUE: A 12 YEARS' EXPERIENCE**  
Mohammed ELRAKAYBI (SAUDI ARABIA)
- 48416 COMPARISON OF SHORT AND NORMAL FEMORAL TUNNEL-GRAFT LENGTH OF HAMSTRING TENDON ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION: A CLINICAL AND FUNCTIONAL OUTCOME EVALUATION OF INTERMEDIATE TERM FOLLOW-UP**  
Thanachai THONGTANWORAPAT, Bancha CHERNCHUJIT (THAILAND)
- 47574 CLINICAL OUTCOMES AFTER MACT: COMPARISON BETWEEN PATELLOFEMORAL, TIBIOFEMORAL AND COMBINED DEFECT LOCALISATIONS**  
Rupert SCHUSTER, Christian ALBRECHT, Lukas HOFFMANN, Lukas ZAK, Georgios NEOPHYTOU, Harald BINDER, Stefan MARLOVITS, Silke ALDRIAN (AUSTRIA)

- 46584 **DOES LATERAL MENISCAL ALLOGRAFT TRANSPLANTATION USING THE KEY-HOLE TECHNIQUE RESTORE THE ANATOMICAL LOCATION OF THE NATIVE LATERAL MENISCUS?**  
Seong-Il BIN, Jae Young KIM, Sung Mok OH, Sungwook CHOI (SOUTH KOREA)

15:30 - 16:00

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

*Moderator:*

Gowreeson THEVENDRAN (SINGAPORE)

- 48149 **MANAGEMENT OF BONE GAPS BY ILIZAROV RING FIXATOR**  
Anirudha CHANDAK, Varun SHAH (INDIA)
- 47925 **ENHANCED BONE HEALING OF GUSTILO III SEVERE OPEN TIBIA FRACTURES TREATED BY IMMEDIATE ANTIBIOTIC-FORMULATED BONE GRAFTING**  
Moshe SALAI, Doron NORMAN, Eliezer SIDON, Asaf ACKER, Noam EMANUEL (ISRAEL)
- 47814 **JUDET'S QUADRICEPSPLASTY FOR KNEE EXTENSION CONTRACTURE**  
M. Mofakhkharul BARI (BANGLADESH)
- 47809 **LIMB SALVAGE IN SEVERE OPEN FRACTURES OF THE TIBIA**  
M. Mofakhkharul BARI (BANGLADESH)
- 47738 **ADDITIONAL TITANIUM MESH CAGE IN INDUCED MEMBRANE TECHNIQUE ACCELERATES HEALING AND FUNCTION DURING RECONSTRUCTION OF LONG BONE DEFECTS**  
Ashok Sunil GAVASKAR (INDIA)
- 47226 **EXPERIENCE OF 1,000 UNSTABLE TROCHANTERIC FRACTURES TREATED BY DHS & ELSHAFIE DYNAMIC DEROTATION (EDD) PLATE**  
Mohamed ELSHAFIE (EGYPT)
- 46884 **DOES ACHIEVING THE 'BEST PRACTICE TARIFF' CRITERIA FOR FRACTURED NECK OF FEMUR PATIENTS IMPROVE ONE YEAR OUTCOMES?**  
Samuel WHITAKER, Sohail NISAR, Andrew SCALLY, Graham RADCLIFFE (UNITED KINGDOM)
- 46764 **OUTCOME OF EXPERT TIBIAL NAIL IN META-DIAPHYSEAL FRACTURES OF TIBIA – A STUDY OF 50 CASES**  
Ramchander SIWACH (INDIA)
- 46496 **RISK FACTORS FOR FIBULAR NAIL FAILURE IN THE MANAGEMENT OF UNSTABLE FRACTURES OF THE ANKLE JOINT**  
Tom CARTER, Samuel MACKENZIE, Katrina BELL, Marcus HOLLYER, Emma GILL, Andrew DUCKWORTH, Tim WHITE (UNITED KINGDOM)

- 46316 IS THE INTERTROCHANTERIC FRACTURE EVOLVING? TRENDS IN THE ELDERLY POPULATION OVER A 10-YEAR PERIOD**  
T. JEGATHESAN (SINGAPORE)
- 48253 DEMOGRAPHICS AND RISK FACTORS FOR NON-ACCIDENTAL ORTHOPAEDIC TRAUMA**  
R. Justin MISTOVICH, Julian GATTA, Lakshmanan SIVASUNDARAM, Anne NING, Nikunj TRIVEDI, Chang-Yeon KIM (UNITED STATES)
- 47749 PLASTER CAST TREATMENT FOR DISTAL FOREARM FRACTURES IN CHILDREN: WHICH INDEX BEST PREDICTS RE-DISPLACEMENTS?**  
Ilaria MORELLI, Domenico RAVIER, Valentina BUSCARINO, Luca Maria SCONFIENZA, Andrea SPREAFICO, Domenico CURCI (ITALY)
- 47179 CSPINE (CORRELATION OF SOFT TISSUE PROJECTION IN INJURED NECKS) – A DESCRIPTIVE STUDY**  
Jeannie MCCAUL, Anria HORN, Michael MCCAUL, Stewart DIX-PEEK (SOUTH AFRICA)
- 48338 ROLE OF BETA-TCP AS BONE AUTOGRAFT EXPANDER IN MANAGEMENT OF FEMUR FRACTURE WITH SEGMENTAL DEFECT USING MASQUELET’S TECH**  
Sandeep GUPTA (INDIA)
- 46984 FUNCTIONAL OUTCOMES OF PRE-CONTOURED CLAVICULAR LOCKING PLATE FIXATION FOR DISPLACED MIDSHAFT CLAVICLE FRACTURES IN ADULTS**  
Bandhuram PANGENI, Dirgha Raj R.C., Parimal ACHARYA, Kapil Mani K.C., Arun SIGDEL, Suman Babu MARAHATTA (NEPAL)
- 48086 FRACTURES OF THE CAPITULUM: ABOUT 15 CASES**  
Nadhir MERAGHNI, Riad BENKAIDALI, Abdelrezak CHOUITI, Mohamed KIHAL, Zoubir KARA (ALGERIA)
- 47539 CHANGES IN THE ANKLE JOINT AND HINDFOOT ALIGNMENT FOLLOWING VARUS DEFORMITY CORRECTION OF THE KNEE WITH TOTAL KNEE ARTHROPLASTY**  
Bi O JEONG, Chungsoo HAN, Yoonje CHO, Hyuk JUNG (SOUTH KOREA)
- 46241 METATARSUS ADDUCTUS AND HALLUX VALGUS**  
Wolfgang WILLAUSCHUS, Felix HUETTNER (GERMANY)
- 47114 EFFECTS OF NEUROMUSCULAR ELECTRICAL STIMULATION AND STRAIGHT LEG RAISE TEST ON DEEP VENOUS BLOOD FLOW IN THE LOWER EXTREMITIES: PROPHYLAXIS FOR VENOUS THROMBOEMBOLISM IN PATIENTS WITH LOWER EXTREMITY PARALYSIS**  
Kiyoshi TOZAKI, Kazuki KAJI, Koji TSUDA, Miki SAKAMOTO, Naonobu TAKAHIRA (JAPAN)

- 48829 LONG-TERM QUALITY OF LIFE AFTER SURGICAL TREATMENT OF HALLUX RIGIDUS USING HEMICAP®**  
Gerwin Alexander BERNHARDT, Isabella NOMJUWEIT, Matthias LUGER, Martin ORNIG, Lukas HOLZER, Andreas LEITHNER, Roman RADL (AUSTRIA)
- 46491 PUBS – THE CURIOUS CASE OF URINARY DISCOLORATION**  
Vishesh KHANNA, Mathew VARGHESE (INDIA)
- 47745 VARIATION IN THE DURATION OF RECUMBENCY POSTSPINAL ANAESTHESIA IN RELATION TO THE OCCURRENCE OF POSTDURAL PUNCTURE HEADACHE**  
Elkanah Ayodele ORIMOLADE, Samuel OLATEJU, Joseph MEJABI, Adedapo ADETOYE, Chiedu IKEM, Oluwadare ESAN (NIGERIA)
- 47712 KINGS ELECTIVE ORTHOPAEDIC CENTRE (KEOC): OUR EXPERIENCE OF 1,000 HIPS AND KNEES IN THE GIRFT ERA**  
Donald OSARUMWENSE, Mohamed FAROOK, Patrick LI (UNITED KINGDOM)
- 47424 ACCURACY OF PEDICLE SCREW INSERTION BY AIRO® INTRAOPERATIVE CT IN COMPLEX SPINAL DEFORMITY ASSESSED BY A NEW CLASSIFICATION BASED ON TECHNICAL COMPLEXITY OF SCREW INSERTION**  
Ajoy Prasad SHETTY, Manindra BHUSHAN, Shanmuganathan RAJASEKARAN (INDIA)
- 47706 MAKO ROBOTIC-GUIDED SURGERY IMPROVES POSTOPERATIVE RECOVERY AND LENGTH OF HOSPITAL STAY FOLLOWING UNICOMPARTMENTAL KNEE ARTHROPLASTY**  
Babar KAYANI, Sujith KONAN, Fares HADDAD (UNITED KINGDOM)
- 47704 IMPROVED IMPLANT POSITIONING AND LOWER LIMB ALIGNMENT IN MAKO ROBOTIC-GUIDED UNICONDYLAR KNEE ARTHROPLASTY COMPARED TO JIG-BASED OXFORD UNICOMPARTMENTAL KNEE ARTHROPLASTY**  
Babar KAYANI, Sujith KONAN, Fares HADDAD (UNITED KINGDOM)



# Saturday, 2 December

Time	Auditorium II	Roof Terrace	Room 2.41-2.43	Room 2.44-2.45	Room 2.61-2.66
08:00-10:00	<p>Symposium Post-traumatic Non-union of Long Bone Fractures</p> <p>Page 154</p>	<p><b>Young Surgeons Committee Video Session Approaches to Hip for Total Hip Arthroplasty</b></p> <p>Page 156</p>	<p>DMI'S Symposium Dual Mobility</p> <p>Page 157</p>	<p>Symposium &amp; Free Papers Injury Prevention: Road Safety / Disaster Management</p> <p>Page 159</p>	<p>Invited Lecture &amp; Free Papers Knee III</p> <p>Page 161</p>
10:00-10:30	Break				
10:30-12:00	<p>Free Papers Trauma: Miscellaneous</p> <p>Page 154</p>	<p><b>Young Surgeons Committee Symposium Advances in Shoulder Arthroplasty</b></p> <p>Page 156</p>	<p>Invited Lecture &amp; Free Papers Hip Revision</p> <p>Page 157</p>	<p>Free Papers Emerging Technology</p> <p>Page 160</p>	<p>Free Papers Knee IV</p> <p>Page 163</p>
12:15-13:30	<b>CLOSING CEREMONY</b>				



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

<i>Free Papers</i> <b>Osteoporosis &amp; Conservative Management</b>	<i>Invited Lecture &amp; Free Papers</i> <b>Rheumatology &amp; Pain Management</b>	<i>Free Papers</i> <b>Cartilage in Sports Medicine</b>	<i>Free Papers</i> <b>Developing World</b>	<b>Short Free Papers Knee</b>
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## Saturday, 2 December

### Auditorium II

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

*Moderators:*

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

#### **BIOLOGY OF FRACTURE HEALING – UPDATES**

Nimrod ROZEN (ISRAEL)

#### **THE ROLE OF THE DIAMOND CONCEPT IN BONE DEFECT TREATMENT**

David HAK (UNITED STATES)

#### **ILIZAROV TREATMENT FOR LONG BONES**

*To be confirmed*

#### **REAMER IRRIGATOR ASPIRATOR – CASE BASED**

Roman PFEIFER (SWITZERLAND)

#### **ASEPTIC NON-UNION OF LONG BONES – MY PREFERRED TECHNIQUE**

*To be confirmed*

#### **INFECTED NON-UNION – HOW TO PREVENT AND TREAT**

Reiner SCHNETTLER (GERMANY)

10:00 - 10:30 *Break*

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

*Moderators:*

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

**49394 SCIATIC NERVE INJURY IN PELVIC FRACTURE**

Ashok Kumar DAS (INDIA)

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

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

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

Akinola AKINMADE, Adeolu ADEYEYE, Innocent IKEM (NIGERIA)

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

12:15 - 13:30

## CLOSING CEREMONY

*Please see page 195 for more information.*



## Saturday, 2 December

### Roof Terrace

08:00 - 10:00

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

*Moderators:*

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

#### **VIDEO: DIRECT ANTERIOR APPROACH**

Kerem BASARIR (TURKEY)

#### **VIDEO: ANTEROLATERAL APPROACH**

Mohamed SUKEIK (UNITED KINGDOM)

#### **VIDEO: LATERAL APPROACH**

Ibrahim AZBOY (TURKEY)

#### **DISCUSSION**

10:00 - 10:30

*Break*

10:30 - 12:00

#### **Young Surgeons Committee Symposium – Advances in Shoulder Arthroplasty**

*Moderators:*

Nuri AYDIN (TURKEY), Przemyslaw LUBIATOWSKI (POLAND)

#### **THE DESIGN AND INDICATIONS OF ANATOMICAL AND REVERSE SHOULDER ARTHROPLASTY**

Kerem CANBORA (TURKEY)

#### **DELTOPECTORAL APPROACH FOR SHOULDER ARTHROPLASTY**

Nuri AYDIN (TURKEY)

#### **REVERSE SHOULDER ARTHROPLASTY FOR FRACTURE**

Davide BLONNA (ITALY)

#### **HEMIARTHROPLASTY FOR FRACTURE**

Lee VAN RENSBURG (UNITED KINGDOM)

#### **SHOULDER ARTHROPLASTY IN RHEUMATOID PATIENTS**

Marina LIPINA (RUSSIA)

#### **RESURFACING SHOULDER ARTHROPLASTY**

Hatem SAID (EGYPT)



**Saturday, 2 December**

**Room 2.41-2.43**

08:00 - 10:00

**Dual Mobility International Society Symposium – Dual Mobility**

*Moderator:*

Jean Louis PRUDHON (FRANCE)

**PRESIDENTIAL INTRODUCTION**

Jean-Louis PRUDHON (FRANCE)

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

Jean-Louis PRUDHON (FRANCE)

**THA INSTABILITY**

Sebastien LUSTIG (FRANCE)

**LONG-TERM RESULTS OF DUAL MOBILITY CUP**

Andre FERREIRA (FRANCE)

**WHAT'S NEW ABOUT WEAR IN DUAL MOBILITY CUP**

Jacques CATON (FRANCE)

**DUAL MOBILITY CUP COMPLICATION: MYTH OR REALITY?**

Jean-Louis PRUDHON (FRANCE)

**IS IT REASONABLE TO WIDEN INDICATIONS OF DUAL MOBILITY CUPS?**

Jean Marc PUCH (FRANCE)

**DISCUSSION**

Philippe HERNIGOU (FRANCE)

**NEED FOR A DMC INTERNATIONAL REGISTER**

All speakers

10:00 - 10:30

*Break*

10:30 - 12:00

**Invited Lecture & Free Papers – Hip Revision**

*Moderators:*

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

*Invited Speaker*

**ARTHROPLASTY REGISTRIES: BOON OR BANE**

Pierre HOFFMEYER (SWITZERLAND)

Saturday, 2 December  
Room 2.41-2.43



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



**Saturday, 2 December**

**Room 2.44-2.45**

08:00 - 10:00

**Symposium – Injury Prevention: Road Safety**

*Moderators:*

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

**IMPLEMENTING INJURY PREVENTION AND ROAD SAFETY IN INDIA**

Shanmuganathan RAJASEKARAN (INDIA)

**THE ROLE OF THE ORTHOPAEDIC SURGEON IN ROAD SAFETY**

Fred OTSYENO (KENYA)

**ROAD TRAFFIC FATALITIES IN AFRICA**

Thami BENZAKOUR (MOROCCO)

**ROAD SAFETY AND CASUALTY IN ARAB COUNTRIES**

Khaled EMARA (EGYPT)

**ROAD TRAUMA IN BRAZIL**

Jose Sergio FRANCO (BRAZIL)

**ROAD TRAUMA, FATALITIES AND ACCIDENT PREVENTION IN THE USA**

David HAK (UNITED STATES)

**EUROPEAN EXPERIENCE IN REDUCING ROAD TRAUMA FATALITIES**

Guenter LOB (GERMANY)

**DISCUSSION**

**Symposium – Disaster Management**

*Moderators:*

Maurice HINSENKAMP (BELGIUM), Fred OTSYENO (KENYA)

**CHRONIC OSTEOMYELITIS IN LOW AND MIDDLE INCOME COUNTRIES**

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

Innocent NYARUHIRIRA (BELGIUM)

**DISCUSSION**

Saturday, 2 December  
Room 2.44-2.45



## Free Papers

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

10:00 - 10:30 *Break*

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

*Moderators:*

Cody BUNGER (DENMARK), Rajesh MALHOTRA (INDIA)

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



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



**Saturday, 2 December**

**Room 2.61-2.66**

08:00 - 10:00

**Invited Lecture & Free Papers – Knee III**

*Moderators:*

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

*Invited Speaker*

**HIDDEN MENISCUS INJURY IN ACL RAMP LESIONS**

Richard VON BORMANN (SOUTH AFRICA)

- 47804 SECONDARY PATELLAR RESURFACING FOR PERSISTENT ANTERIOR KNEE PAIN (AKP) AFTER PRIMARY KNEE ARTHROPLASTY**  
Ori WEISS (ISRAEL)

Saturday, 2 December  
Room 2.44-2.45



- 46175 VARUS KNEE TOTAL REPLACEMENT SURGERY (TIBIAL COMPONENT PLACEMENT) ACCORDING TO THE ROTATIONAL ALIGNMENT OF THE LIMB**  
Radek HART, Martin KOMZAK (CZECH REPUBLIC)
- 48389 CHANGE OF CHONDRAL LESIONS AND PREDICTIVE FACTORS AFTER MEDIAL OPEN-WEDGE HIGH TIBIAL OSTEOTOMY WITH A LOCKED PLATE SYSTEM**  
Hwan Jin KIM, Kang-Il KIM, Gi Beom KIM (SOUTH KOREA)
- 46587 INSIDE-OUT STEPLADDER PITHING TECHNIQUE FOR BALANCING THE MEDIAL COLLATERAL LIGAMENT IN TOTAL KNEE ARTHROPLASTY**  
Mrinal SHARMA (INDIA)
- 46960 LOW DOSE OF EPINEPHRINE AND TRANEXAMIC ACID REDUCES EARLY POST-OPERATIVE BLOOD LOSS AND INFLAMMATORY RESPONSE IN TOTAL KNEE ARTHROPLASTY: A RANDOMISED CLINICAL TRIAL**  
Wei-Nan ZENG, Jun-Li LIU, Fu-You WANG, Liu YANG (CHINA)
- 48738 FACTORS AFFECTING SATISFACTION FOLLOWING TOTAL KNEE REPLACEMENT: A SYSTEMATIC REVIEW OF OVER 130,000 CASES**  
Naoki NAKANO, Fernando OLAVARRIA, Vikas KHANDUJA (UNITED KINGDOM)
- 47783 SINGLE DOSE INTRAVENOUS TRANEXAMIC ACID MAY NOT BE ADEQUATE TO REDUCE BLOOD LOSS AND BLOOD TRANSFUSION REQUIREMENT IN PATIENTS UNDERGOING SINGLE STAGE BILATERAL TOTAL KNEE ARTHROPLASTY**  
Sujit Kumar TRIPATHY, Somnath MUKHERJEE (INDIA)
- 48445 DOES NAVIGATION SYSTEM HAVE ANY ADVANTAGES IN UNICOMPARTMENTAL KNEE ARTHROPLASTY COMPARED WITH CONVENTIONAL TECHNIQUE IN LONG-TERM RESULTS?**  
Dong-Hyun LEE, Eun Kyoo SONG, Jong Keun SEON, Je Hyoung YEO (SOUTH KOREA)
- 47817 SINGLE DOSE OF TRANEXAMIC ACID IN TOTAL KNEE REPLACEMENT WITHOUT TOURNIQUET – IS IT CLINICALLY EFFECTIVE IN REDUCING POST-OPERATIVE TRANSFUSION?**  
Giri SITARAM, Richard FERNANDES, Serahdin AJNIN, Mahesh THIBIAIAH (UNITED KINGDOM)
- 47827 COMBINATION OF INTRAVENOUS AND INTRA-ARTICULAR TRANEXAMIC ACID REDUCES TRANSFUSION RATE IN SIMULTANEOUS BILATERAL TOTAL KNEE REPLACEMENT SURGERY**  
Mridul ARORA, Ashutosh DONGRE, Vijay SHETTY (INDIA)
- 47772 COMPARISON OF ADDUCTOR CANAL BLOCK WITH COMBINED ADDUCTOR CANAL BLOCK AND INTRA-ARTICULAR EPIDURAL CATHETER INFILTRATION FOR PAIN RELIEF AFTER TOTAL KNEE ARTHROPLASTY**  
Chandra Sekhar DANNANA (INDIA)

47913 **DOES PRE-OPERATIVE AETIOLOGY PLAY A ROLE IN QUALITY OF LIFE AFTER REVISION TKR? A COMPREHENSIVE ANALYSIS USING 5 SCORING SYSTEMS**

Sahil SANGHAVI (INDIA)

47919 **SHOULD WE REPLACE THE PCL IN TKR?**

Chetan SOOD (INDIA)

47912 **MANAGEMENT OF TIBIAL BONE DEFECTS IN PRIMARY COMPLEX KNEE REPLACEMENT**

Chetan SOOD (INDIA)

10:00 - 10:30 *Break*

10:30 - 12:00 *Free Papers – Knee IV*

*Moderators:*

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

48087 **RESULTS OF OXFORD MOBILE BEARING MEDIAL UNICOMPARTMENTAL KNEE REPLACEMENT IN INDIAN POPULATION**

Vijay KUMAR<sup>1</sup>, Rajesh MALHOTRA<sup>1</sup>, Naman WAHAL<sup>1</sup>, Mayur NAYAK<sup>1</sup>, Gaurav KANOIYA<sup>1</sup>, Deep SRIVASTAVA<sup>1</sup>, David MURRAY<sup>2</sup>, Hemant PANDIT<sup>2</sup>

<sup>1</sup>(INDIA), <sup>2</sup>(UNITED KINGDOM)

47087 **VARUS KNEE OSTEOARTHRITIS: ELEVATED SYNOVIAL CD15 COUNTS INDICATE INFERIOR BIOMECHANICAL PROPERTIES OF LATERAL-COMPARTMENT CARTILAGE**

Wenzel WALDSTEIN<sup>1</sup>, Ulrich KOLLER<sup>1</sup>, Veit KRENN<sup>2</sup>, Kilian RUECKL<sup>3</sup>, Maximilian KASPAREK<sup>1</sup>, Reinhard WINDHAGER<sup>1</sup>, Friedrich BOETTNER<sup>3</sup>

<sup>1</sup>(AUSTRIA), <sup>2</sup>(GERMANY), <sup>3</sup>(UNITED STATES)

48388 **IS TRANEXAMIC ACID EFFECTIVE IN OPEN-WEDGE HTO?**

Hwan Jin KIM, Kang-Il KIM, Gi Beom KIM (SOUTH KOREA)

47908 **PATELLOFEMORAL CHONDROMALACIA DOES NOT INFLUENCE THE RADIOLOGIC AND CLINICAL OUTCOMES FOLLOWING HIGH TIBIAL OSTEOTOMY**

Hyun Woo JUNG, Jae Doo YOO, Nam Ki KIM (SOUTH KOREA)

46814 **HIGH TIBIAL OSTEOTOMY AND CORRECTION BY GRADUAL HISTOGENESIS USING LRS FRAME FOR OSTEOARTHRITIS OF THE KNEE**

Raghvendra TRIPATHI, Prabhakar Moreshwar GADRE, Suraj MEHAROTRA (INDIA)

Saturday, 2 December  
Room 2.6f-2.6g



- 47073 DOES SUPERFICIAL MEDIAL COLLATERAL LIGAMENT RELEASE IN OPEN-WEDGE HIGH TIBIAL OSTEOTOMY FOR VARUS OSTEOARTHROTIC KNEES INCREASE VALGUS LAXITY?**  
Seung-Suk SEO, Changrack LEE, Muwon KIM (SOUTH KOREA)
- 47450 MID-TERM RESULTS OF LATERAL UNICONDYLAR MOBILE BEARING KNEE REPLACEMENT – A MULTI-CENTRE STUDY OF 363 CASES**  
Tilman WALKER, Niklas ZAHN, Thomas BRUCKNER, Marcus STREIT, Guido MOHR, Peter ALDINGER, Michael CLARIUS, Tobias GOTTERBARM (GERMANY)
- 48126 IN VIVO SAGITTAL PLANE KINEMATIC ANALYSIS OF OXFORD MOBILE BEARING MEDIAL UNICOMPARTMENTAL KNEE REPLACEMENT (UKR) AND ITS CORRELATION WITH FUNCTIONAL OUTCOME**  
Rajesh MALHOTRA<sup>1</sup>, Vijay KUMAR<sup>1</sup>, Naman WAHAL<sup>1</sup>, Deep SRIVASTAVA<sup>1</sup>, Stephen MELLON<sup>1</sup>, David MURRAY<sup>2</sup>  
<sup>1</sup>(INDIA), <sup>2</sup>(UNITED KINGDOM)
- 46248 OXFORD PARTIAL KNEE REPLACEMENT FOR SEVERE VARUS DEFORMITIES IN INDIA**  
Sanjeev GOKHALE (INDIA)



**Saturday, 2 December**

**Room 1.41-1.42**

08:00 - 10:00

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

*Moderators:*

Karsten DREINHOEFER (GERMANY), James WADDELL (CANADA)

**A TEMPLATE FOR HIP FRACTURE CARE**

James WADDELL (CANADA)

**HIP FRACTURE CARE IN SOUTH AFRICA: A UNIQUE MODEL**

Koos JORDAAN (SOUTH AFRICA)

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

Rajesh MALHOTRA (INDIA)

**FRAGILITY FRACTURE CARE IN SOUTH AFRICA**

Koos JORDAAN (SOUTH AFRICA)

**RECONDITIONING, REHABILITATION AND SECONDARY – PREVENTION OF FRAGILITY FRACTURE**

Karsten DREINHOEFER (GERMANY)

**THE ROLE OF THE GERIATRICIAN IN FRAGILITY FRACTURE MANAGEMENT**

Paolo FALASCHI (ITALY)

**ROUNDTABLE / CASE PRESENTATIONS / Q&A**

10:00 - 10:30 *Break*

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

*Moderators:*

Vijay SHETTY (INDIA), James WADDELL (CANADA)

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

Henry MAGILL, Arif RAZAK (UNITED KINGDOM)

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

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

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

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

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

Pradeep KAMBOJ, Ashish DEVGAN (INDIA)

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

Kashif AKHTAR AHMED, K. Salauddin ARIF (INDIA)

Saturday, 2 December  
Room 1.41-1.42





**Saturday, 2 December**  
**Room 1.43-1.44**

08:00 - 10:00

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

*Moderators:*

Marko BUMBASIREVIC (SERBIA), Frederic SCHUIND (BELGIUM)

**INTRODUCTION**

Marko BUMBASIREVIC (SERBIA)

**REPLANTATIONS**

Panayotis SOUCACOS (GREECE)

**VASCULARISED FIBULAR GRAFT**

Ryoko UESATO (JAPAN)

**RECONSTRUCTION OF CERVICAL SPINE AFTER CORPECTOMY USING VASCULARISED FIBULAR GRAFT**

Ahmad ADDOSOOKI (EGYPT)

**EARLY TREATMENT OF BRACHIAL PLEXUS LESION**

Margaret FOK (HONG KONG)

**UPDATE IN BRACHIAL PLEXUS INJURIES**

Jörg BAHM (GERMANY)

**FUNCTIONAL MUSCLE TRANSFERS**

Liqiang GU (CHINA)

**MICROSURGICAL/NON-MICROSURGICAL PROCEDURES – PERFORATOR FLAPS**

Juyu TANG (CHINA)

**LIMB TRANSPLANTATION (CADAVERIC)**

*To be confirmed*

**BIONIC LIMBS**

Marko BUMBASIREVIC (SERBIA)

**RECONSTRUCTION PRINCIPLES OF BIG DEFECTS AND ROLE OF MICROSURGERY**

Shanmuganathan RAJASEKARAN (INDIA)

**DISCUSSION**

10:00 - 10:30 *Break*



10:30 - 12:00

**Invited Lecture & Free Papers – Rheumatology & Pain Management**

*Moderators:*

Julio FERNANDES (CANADA), Hitesh GOPALAN (INDIA)

*Invited Speaker*

**CURRENT EVIDENCE AND BEST PRACTICE IN TIBIAL NON-UNION**  
Hitesh GOPALAN (INDIA)

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

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

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

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

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

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

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

Vijay Kumar KHARIWAL, Sadhna GARG (INDIA)

**47805 HOW CAN DEXAMETHASONE INCREASE ANALGESIC DURATION AFTER SHOULDER ARTHROSCOPY?**

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

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

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

**46507 WORKABILITY IN PATIENTS WITH RHEUMATOID ARTHRITIS**

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

Saturday, 2 December  
Room 1.43-1.44





**Saturday, 2 December**  
**Room 1.61-1.62**

08:00 - 10:00

**AO<sub>S</sub>pine Symposium – Cervical Spine, Spinal Stenosis & the SI Joint**

*Moderators:*

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

**CERVICAL STENOSIS, PATHOLOGY AND PRESENTATION**

Johan DAVIS (SOUTH AFRICA)

**TREATMENT OPTIONS AND OUTCOMES**

Jong-Beom PARK (SOUTH KOREA)

**SURGICAL TECHNIQUES FOR CERVICAL SPINAL STENOSIS**

Osahiko TSUJI (JAPAN)

**CASES AND DEBATES ON TREATMENT OPTIONS**

Pradeep MAKAN (SOUTH AFRICA)

**SI JOINT, MORPHOLOGY AND FUNCTION**

Johan DAVIS (SOUTH AFRICA)

**THE SI JOINT: THE SPINE ORPHAN?**

Vikas PATEL (UNITED STATES)

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

Jae-Yoon CHUNG (SOUTH KOREA)

**CASE PRESENTATIONS**

Osahiko TSUJI (JAPAN)

**DISCUSSION & QUESTIONS**

10:00 - 10:30 *Break*

10:30 - 12:00 **Free Papers – Cartilage in Sports Medicine**

*Moderators:*

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

**46775 MESENCHYMAL STEM CELLS AUTOLOGOUS TRANSPLANTATION FOR REGENERATIVE RESTORATION OF LOCAL FULL THICKNESS KNEE CARTILAGE INJURY: 2 YEARS' CLINICAL RESULTS**

Dzmitry BUKACH (BELARUS)





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



**Saturday, 2 December**

**Room 1.63**

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

*Moderators:*

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

**INTRODUCTION AND AIMS**

Andrew QUAILE (UNITED KINGDOM)

**LOCAL CONDITIONS FOR SOUTH AFRICA – STANDARD OF EVIDENCE**

Tony BIRRELL (UNITED KINGDOM)

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

Vikas KHANDUJA (UNITED KINGDOM)

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

Ian LESLIE (UNITED KINGDOM)

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

Andrew QUAILE (UNITED KINGDOM)

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

Marc PATTERSON (UNITED KINGDOM)

**QUESTIONS & DISCUSSION**

10:00 - 10:30 *Break*

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

*Moderators:*

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

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

Jayasankar VISWANATH, Perur JAYASANKAR (INDIA)



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



**Saturday, 2 December**

**Room 1.64**

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

*Moderators:*

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

- 48744 CARTILAGE REPAIR TECHNIQUES FOR THE CHONDRAL INJURY IN THE HIP – SYSTEMATIC REVIEW**  
Naoki NAKANO<sup>3</sup>, Chetan GOHAL<sup>2</sup>, Andrew DUONG<sup>2</sup>, Natalie KUURSTRA<sup>2</sup>, Femi AYENI<sup>2</sup>, Vikas KHANDUJA<sup>1</sup>  
<sup>1</sup>(UNITED KINGDOM), <sup>2</sup>(CANADA)
- 48542 HIP ARTHROSCOPY IN FEMORAL ACETABULAR IMPINGEMENT: IMPROVED FUNCTIONAL OUTCOME AT 5 YEARS' FOLLOW-UP**  
Rosamond TANSEY, Tony FAYAD, Sujith KONAN, Fares HADDAD (UNITED KINGDOM)
- 47141 TREATMENT OF AVN USING THE CHAMBER INDUCTION TECHNIQUE AND BIOTECHNOLOGIES**  
Giorgio Maria CALORI, Massimiliano COLOMBO, Emilio Luigi MAZZA, Alessandra COLOMBO, Simone MAZZOLA, Fabio ROMANÒ, Fabio GIARDINA (ITALY)
- 46357 A COMPARATIVE STUDY BETWEEN REPAIRING AND NON-REPAIRING OF SOFT TISSUE IN TOTAL HIP ARTHROPLASTY BY POSTERIOR APPROACH**  
Darius GOURAN SAVADKOOHI, Babak SIAVASHI, Ehsan PENDAR, Arash AALIREZAEI (IRAN)
- 46781 LATERAL APPROACH VS. ANTERIOR APPROACH IN TOTAL HIP JOINT – GAIT ANALYSIS EVALUATION**  
Francesco BOVE, Gabriele BOVE, Giorgio BOVE (ITALY)
- 46665 NATIONAL SCREENING FOR DDH IN LIBYA**  
Mohamed RASHED, Ali ZAWAWI, Turkia AL ROK (LIBYA)
- 47391 PERIACETABULAR OSTEOTOMY FOR SEVERE HIP DYSPLASIA IN CHARCOT-MARIE-TOOTH DISEASE**  
Minne HEEG (NETHERLANDS)
- 47376 COMPUTED TOMOGRAPHY IN THE ASSESSMENT OF CLOSED REDUCTION IN DEVELOPMENTAL DISLOCATION OF THE HIP**  
Khaled EL ADWAR, Hesham KOTB, Amin ABD EL-RAZEK, Mohammed ABDELKAREEM (EGYPT)



- 48434 COMPARISON OF FEMORAL LENGTH IN UNILATERAL HIGH RIDING DEVELOPMENTAL DYSPLASIA OF THE HIP: AVOID LIMB LENGTH DISCREPANCY AFTER HIP ARTHROPLASTY**  
Kaveh GHARANIZADEH, Karim PISOODEH, Mansour ABOLGHASEMIAN (IRAN)
- 48711 ACCURATE LEG LENGTH CORRECTION FOLLOWING TOTAL HIP ARTHROPLASTY UTILISING A VERTICAL MEASUREMENT SYSTEM AND SMARTPHONE BASED APPLICATION**  
Tim SLUIS CREMER, Garth GROBLER, Brendan DOWER, Mark NORTJE (SOUTH AFRICA)
- 47307 WHAT IS THE OPTIMAL TARGET ZONE FOR HIP GEOMETRY RECONSTRUCTION TO IMPROVE OUTCOME FOLLOWING TOTAL HIP ARTHROPLASTY?**  
Christian MERLE<sup>1</sup>, Moritz INNEMANN<sup>1</sup>, Marcus STREIT<sup>1</sup>, Michael MAIER<sup>1</sup>, Peter ALDINGER<sup>1</sup>, George GRAMMATOPOULOS<sup>2</sup>, Tobias GOTTERBARM<sup>1</sup> <sup>1</sup>(GERMANY), <sup>2</sup>(UNITED KINGDOM)
- 47483 HIGH REVISION RATE OF THE REJUVENATE MODULAR NECK FEMORAL STEM AT 3-5 YEARS' FOLLOW-UP**  
Morteza MEFTAH, Derek BERNSTEIN, Stephen INCAVO (UNITED STATES)
- 47493 CEMENTED OR CEMENTLESS TOTAL HIP ARTHROPLASTY: HOW TO MAKE THE RIGHT CHOICE?**  
Kepa IGLESIAS, Pierre-Olivier PINELLI, Jean-Noel ARGENSON (FRANCE)
- 48715 RISK FACTORS FOR EARLY REVISION AFTER TOTAL HIP AND KNEE ARTHROPLASTY**  
Sunny PARIKH (UNITED KINGDOM)
- 47875 THE EFFECT OF TIME INTERVAL AFTER ACCIDENT ON CLINICAL OUTCOME AFTER HIP FRACTURE SURGERY**  
Harald K. WIDHALM, Julia SCHMIDRATHNER, Martin RESCHL (AUSTRIA)
- 47269 MID-TERM RESULTS OF OPEN DEBRIDEMENT FOR LABRAL TEAR USING ANTEROLATERAL APPROACH WITH A MINI-INCISION**  
Kyu-Jin CHO, Kyung-Soon PARK, Taek-Rim YOON (SOUTH KOREA)
- 47863 CHALLENGES AND EARLY OUTCOME OF TOTAL HIP REPLACEMENT SURGERY IN SICKLE CELL DISEASE PATIENTS**  
Udo Ego ANYAEHIE, Cajetan Uwatoronye NWADINIGWE, Gabriel Okey EYICHUKWU, Amaechi Uchenna KATCHY, Henry Chinedu EKWEDIGWE (NIGERIA)
- 47517 DIRECT ANTERIOR VS. LATERAL APPROACH FOR TOTAL HIP ARTHROPLASTY**  
Anton PLAKSEYCHUK, Timothy LEVISON, Elizabeth PLAKSEYCHUK (UNITED STATES)
- 47802 MINI-NUTRITIONAL ASSESSMENT AND VITAMIN D STATUS IN PERIPROSTHETIC FEMUR FRACTURES**  
Thando NCUBE (SOUTH AFRICA)

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

10:00 - 10:30 *Break*

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

*Moderators:*

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

- 48811 REDUCTION OSTEOTOMY OF THE PROMINENT TIBIAL TUBERCLE AFTER OSGOOD-SCHLATTER'S DISEASE**  
Geert PAGENSTERT, Lukas HUBER, Markus WURM, Christian EGLOFF (SWITZERLAND)
- 47559 EARLY CLINICAL RESULTS OF ABDOMINAL SUBCUTANEOUS ADIPOSE TISSUE-DERIVED MESENCHYMAL STEM CELL (ADMSC) INJECTION FOR KNEE OSTEOARTHRITIS**  
Cengiz SEN, Yavuz SAGLAM (TURKEY)
- 47853 DOES KNEE SIZE AFFECT THE RELIABILITY OF TIBIAL TUBERCLE-TROCHLEAR GROOVE MEASUREMENTS USING CT SCAN?**  
Jacques HERNIGOU, Esfandiar CHAHIDI, Eric MOEST, Antoine CALLEWIER, Olivier BATH (BELGIUM)
- 46927 MANAGEMENT OF KNEE FLEXION CONTRACTURE IN HAEMOPHILIA WITH ILIZAROV TECHNIQUE AND PASSIVE MOTION**  
Jiliang ZHAI, Xisheng WENG, Baozhong ZHANG, Bin FENG, Yanyan BIAN (CHINA)
- 48501 COMPARISON BETWEEN IN VIVO KINEMATIC ANALYSIS OF TOTAL KNEE REPLACEMENT AND UNICOMPARTMENTAL KNEE REPLACEMENT IN INDIAN PATIENTS**  
Naman WAHAL, Rajesh MALHOTRA, Vijay KUMAR, Sahil BATRA, Deep SRIVASTAVA, Hemant PANDIT (INDIA)

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



NATIONAL CONVENTION BUREAU

**CAPE TOWN**  
**& WESTERN CAPE**  
**CONVENTION BUREAU**  
a division of **WESGRO**



## About Cape Town



A coming-together of cultures, cuisines and landscapes, there's nowhere quite like Cape Town, a singularly beautiful city crowned by the magnificent Table Mountain National Park.

Human creativity is also self-evident here. From the brightly painted facades of the Bo-Kaap and the bathing chalets of Muizenberg to the Afro-chic decor of its restaurants and bars and the striking street art and innovation incubators of the East City and Woodstock, this is one great-looking metropolis. The informal settlements of the Cape Flats are a sobering counterpoint, but these townships also have enterprising projects that put food from organic market gardens on tables, or stock gift shops with attractive souvenirs.

Christian, Muslim, Jewish, Hindu and traditional African beliefs coexist peacefully in this proudly multicultural city. It's a city of determined pioneers – from the Afrikaner descendants of the original Dutch colonists and the majority coloured community to the descendants of European Jewish immigrants and more recent Xhosa (isiXhosa) migrants from the Eastern Cape. They all bring unique flavours to Cape Town's rich melting pot.



## Language

South Africa claims a whopping eleven official languages but the most common you'll hear in and around Cape Town is English – the lingo of business and media – followed by Afrikaans and Xhosa on the streets.

## Weather

Cape Town is never out of season, with a particularly good, long summer from November to March. These are the most popular months for visitors, who come to enjoy the 11 or more hours of sunshine every day. The average summer temperature in Cape Town is 24.3 degrees Centigrade, with January and February temperatures averaging 26 degrees Centigrade. February is the driest month of the year, with 15 mm (0.6 inches) of rain.

## Money & Safety

**Currency & ATM:** The local currency in South Africa is the Rand, and Foreign Exchange is available around the city. It goes without saying that when using the ATM, don't ask strangers for help and don't flash cash around.

Try to avoid using mobile phones and tablets in the streets. Rather step into a restaurant or a shop to do so. Be aware of suspicious people and avoid walking alone at night, especially if you do not know your way around the city.

## Nightlife

When the sun sets on Cape Town, the city comes to life. There are a number of restaurants, bars and clubs to try.

## Getting Around

Firstly, we drive on the left hand side of the road and work in kilometres when it comes to speed and distance! With that out of the way, there are a number of ways for you to get around our beautiful city:

**Uber:** A popular and easy way to travel around the city, Uber is easily accessible. Download the app and off you go!

**Cab or taxi:** There are a large number of metered taxis. The average rate is R10/kilometre.

**Car hire:** All the major companies operate out of the airport and have city depots.

**On foot, bus or bicycle:** There are a growing number of tours available by bicycle, bus or foot in the city. The City Sightseeing bus is a great way to see the city at your own pace as you jump on and off at your leisure. The MyCiti bus is another quick and easy way to get around the city and surrounds. You will need to purchase a pre-paid myconnect card to use it though.

**Train:** Trains run basic commuter routes into the city and also stretch out along the scenic Southern line, which stretches as far as Simon's Town. It is an affordable option to travel around the city.

## Keeping In Touch

**Mobile:** Locals call it a cell phone and you can hire one for your time with us. If you have your own, buy a local sim card. You will need identification to do this.

**Internet access:** Internet cafes are relatively inexpensive, while a lot of coffee shops and accommodation offer wireless services. There are also a number of free wireless hotspots around the city. You can buy data at any cellular shop. Save yourself some cash by asking if there is free Wi-Fi available!

## Sun, Sea & Sand

It gets hot in Cape Town, so make sure you plan accordingly when you hit the beach. Lots of water and plenty of sunscreen!

When swimming in the sea, make sure you use safe beaches where lifeguards are on duty.

There are shark spotters deployed at several of Cape Town's beaches along the False Bay coast line and use a flag and alarm system to warn beach users of a shark's whereabouts.

## The Mountain

Table Mountain is undoubtedly one of the city's biggest attractions, but you need to be cautious when visiting. Follow the safety precautions below to ensure you don't run into problems.



Steer clear during bad weather. The rocks on the mountain get very slippery in wet weather.

Do not hike alone – the ideal party size is four; travel at the pace of the slowest member. Always inform someone of your intended route and your expected time of return.

The use of a qualified mountain guide is highly recommended. Make sure to take an up to date map, comfortable walking shoes, a few friends, a cellular phone, water, food, sun block, and something warm.

In Table Mountain National Park, Skeleton Gorge & Nursery Ravine is a dangerous and slippery route when it rains.

When hiking Table Mountain, key 021 480 7700 into your cellular telephone before you begin your hike so that an emergency number is always on hand.

Keep to well-used paths and do not descend unknown ravines or cliffs.

Chacma Baboons can be dangerous – do not approach them or feed them.

Please be mindful that Cape Town's festive season coincides with the Cape's long, dry summer season i.e. please make sure that cigarette butts and/ or fires are put out properly before leaving the area, and please exercise caution when taking an action that could result in the ignition of a fire.

**More information can be found on the Cape Town Tourism website:  
[www.capetown.travel](http://www.capetown.travel)**



# General Congress Information

## Congress Venue

### Cape Town International Convention Centre

Convention Square  
1 Lower Long Street  
Cape Town 8001  
South Africa

Tel.: +27 (0) 21 410 5000  
Fax: +27 (0) 21 410 5001  
E-mail: [info@cticc.co.za](mailto:info@cticc.co.za)  
Website: [www.cticc.co.za](http://www.cticc.co.za)



## SICOT Secretariat

The SICOT Secretariat is located in Room 1.3 on Level 1.

Opening hours (subject to change):

Wednesday, 29 November	08:00-10:00 / 12:00-14:00 / 16:00-17:30
Thursday, 30 November	08:00-10:00 / 12:00-14:00 / 16:00-17:30
Friday, 1 December	08:00-10:00 / 12:00-14:00 / 16:00-17:30
Saturday, 2 December	08:00-10:00

## Registration Area

The Registration Area is located in the foyer on Level 0. Here delegates will also be able to buy tickets for the social events and book tours.

Opening hours:

Wednesday, 29 November	07:00-18:00
Thursday, 30 November	07:00-17:30
Friday, 1 December	06:30-17:30
Saturday, 2 December	07:00-12:00



## On-site Registration Fees

### Congress

SICOT Active Members	EUR 400
SICOT Associate Members	EUR 250
Non-Members	EUR 600
Non-Member Trainees	EUR 350

Registration fees for the Congress include:

- access to the
  - Opening Ceremony
  - Scientific Sessions
  - Exhibition Hall
  - e-Poster Area
  - AAOS Orthopaedic Video Theater
  - Closing Ceremony
- Congress App
- Congress Bag
- Final Programme
- Pocket programme at a glance
- 18 European CME Credits
- Certificate of Attendance (sent by email after the Congress)

The fees do not include:

- tickets for the 7<sup>th</sup> SICOT Educational Day, 24<sup>th</sup> Cooperative Course for Polytrauma Management, Welcome Reception, and African Night
- lunches and beverages
- optional tours
- accommodation costs

### 7<sup>th</sup> SICOT Educational Day

All	EUR 50
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### 24<sup>th</sup> Cooperative Course for Polytrauma Management

All	EUR 50
-----	--------

### Social Programme

Opening Ceremony	Free
Welcome Reception	EUR 10
African Night	EUR 80
Closing Ceremony	Free



Entitlements	Delegates:	Exhibitors:
Scientific Sessions	★	★
Exhibition Hall	★	★
Lunches (Industry Symposia)	★	n/a
Certificate of Attendance	★	n/a
Opening Ceremony	★	★
Closing Ceremony	★	★

## Badges

All registered participants are kindly requested to wear their name badge at all times. Only participants who are wearing their badge will be admitted to the scientific sessions.

**Please note that accompanying persons will not be admitted to the scientific sessions.**

Name badges are colour-coded as follows:

<b>Blue</b>	Delegates	<b>Green</b>	Exhibitors
<b>Yellow</b>	VIP	<b>Black</b>	Organisers
<b>Red</b>	Faculty		

## Certificates of Attendance

The Certificates of Attendance will be sent by email to registered delegates after the Congress.

## Exhibition

We invite you to visit the industry exhibition in the Exhibition Hall on Level 1 of the Cape Town International Convention Centre from 30 November to 2 December.

Opening hours:

Thursday, 30 November	08:00-17:30
Friday, 1 December	08:00-17:30
Saturday, 2 December	08:00-12:00

For more information, please go to [www.sicot.org/cape-town-exhibition-sponsorship](http://www.sicot.org/cape-town-exhibition-sponsorship) and page 201.



## AAOS Orthopaedic Video Theater

Peer-reviewed, high-quality, non-biased video presentations feature topics from anatomy and arthroscopy to demonstrations of cutting-edge techniques. 10 subspecialties are represented and videos from renowned experts and innovators around the globe are provided in this Video Theater in the Exhibition Hall.

Many of the orthopaedic surgeons who participate in the peer review process are pioneers in their field. Videos are reviewed by topic experts, providing you with valuable information, as well as pearls and pitfalls you need to improve patient outcomes.

Each video includes indications, pre- and post-operative images, references, and many include outcomes information. The videos provide you with perspective from the surgeon's point-of-view, and from the surgeon's side of the table.

## App



The Congress app will enable you to browse the comprehensive scientific programme and communicate with fellow attendees, moderators and speakers. You will also be able to check out who and where the exhibitors are in the Exhibition Hall. You can download the “**SICOT World Congress 2017**” app from the Apple App Store and the Google Play store.

## Internet

Free WiFi is available to delegates in the Cape Town International Convention Centre.

## Tour Desk

Specially designed classic route packages and customised services with competitive and attractive prices are selected for delegates. To ensure that you will enjoy tours in Cape Town, please visit the Tour Desk in the Registration Area.

## Mobile Phones

Participants are kindly requested to keep their mobile phones switched off or muted in the meeting rooms while sessions are being held.



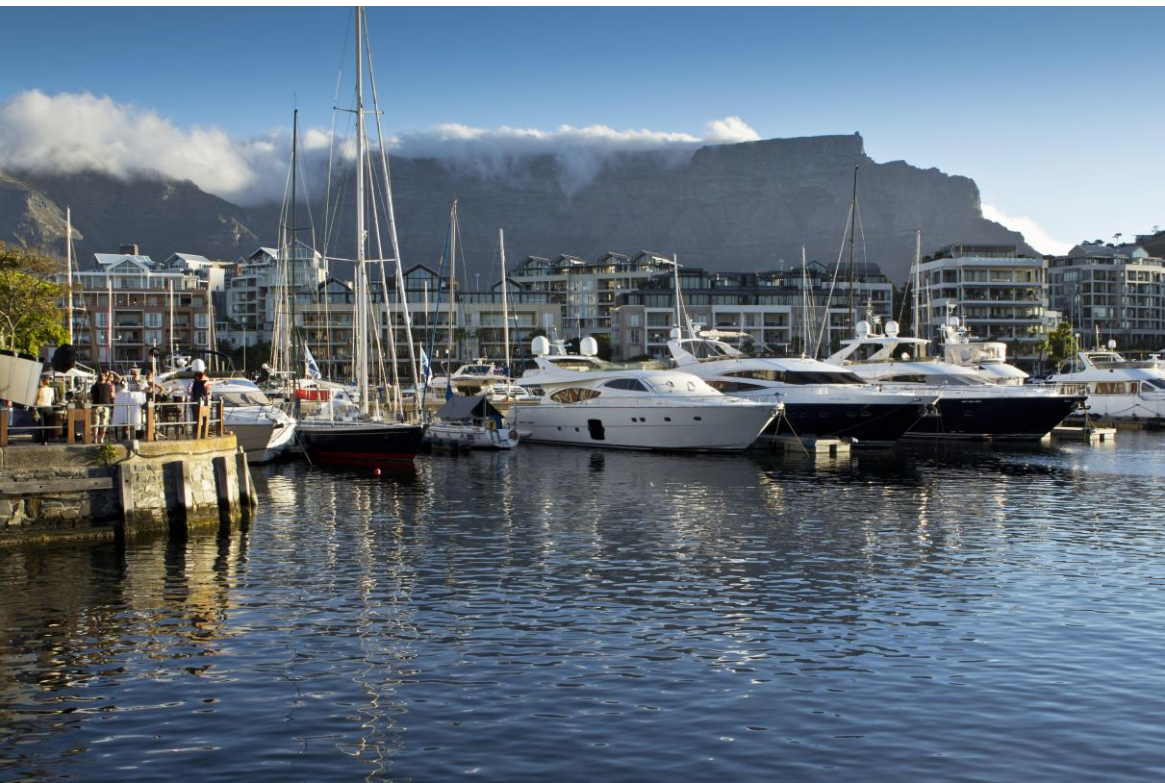


## Smoking Policy

Smoking is only allowed in designated areas outdoors.

## Insurance & Liability

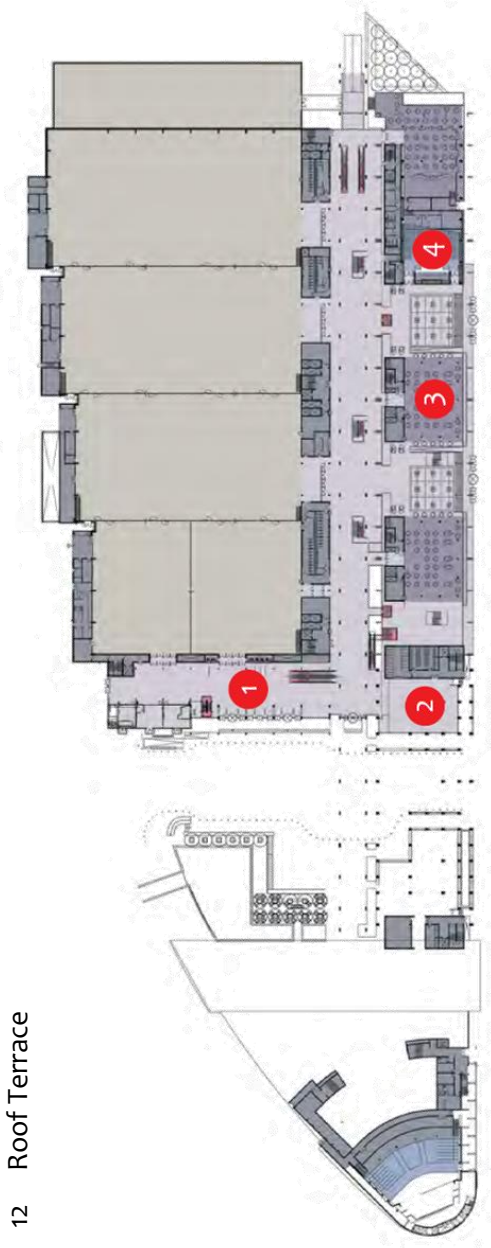
By registering for the Congress, participants agree that neither the Organising Committees nor the Congress Secretariat assume any liability whatsoever. The organisers will not be responsible for the loss or damage of personal belongings; for any changes in the programme due to external or unforeseen circumstances; or for any individual, medical, travel or personal insurance. While every attempt is made to ensure efficient, trouble-free hospitality, including hotel accommodation, sightseeing and tours, participants are advised that no liability accrues to the organisers in the event of any necessary modifications, including change in itineraries for tours due to delays or cancellations of flights or other exigencies beyond the organisers' control.



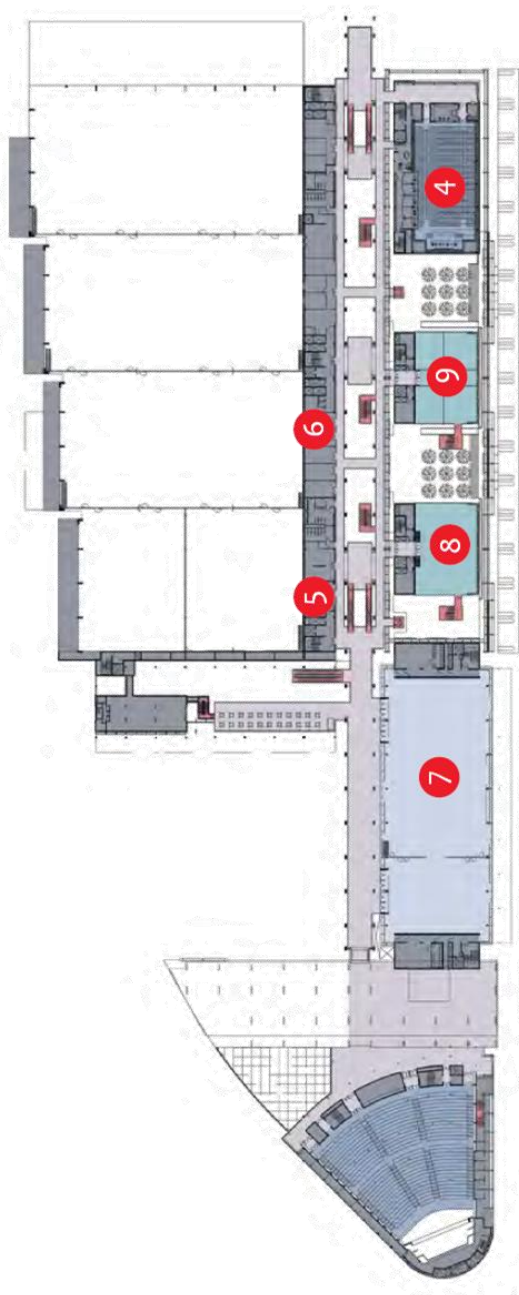
# Floor Plans

## Level 0

- 1 CTICC Reception, Business Centre and Coffee Shop
- 2 Registration Area
- 3 Strelitzia Restaurant (Welcome Reception)
- 4 Auditorium II
- 5 SICOT Secretariat
- 6 Speakers Preview Room
- 7 Exhibition Hall
- 8 Rooms 1.41-1.44
- 9 Rooms 1.61-1.64
- 10 Rooms 2.41-2.45
- 11 Rooms 2.61-2.66
- 12 Roof Terrace



# Level 1



## Level 2



## Social Programme

The Opening and Closing Ceremonies are included in the Congress registration fee. Tickets for the Welcome Reception and African Night can be bought in the Registration Area.

### Opening Ceremony

<b>Date</b>	Thursday, 30 November
<b>Time</b>	18:00-19:30
<b>Venue</b>	Auditorium II, Cape Town International Convention Centre
<b>Fee</b>	Free
<b>Dress code</b>	Business attire or casual



We are pleased to announce that **Devi Prasad Shetty** will be delivering the Presidential Lecture at the Opening Ceremony.

Dr Shetty is an Indian cardiac surgeon. He heads Narayana Health (NH) Group with 32 hospitals in 19 cities in India. Under his leadership NH managed the world's largest Telemedicine Programme having carried out 53,000 consultations. NH runs India's largest cardiac surgical training programme and performs about 30 major heart surgeries every day. Dr Shetty and his team have performed over 119,800 major heart surgeries out of which 40% of the operations were on children, many of them newborn babies. Dr Shetty performed India's first heart surgery on a newborn baby 25 years ago and built a large paediatric cardiac surgical programme. He also manages a chain of rural clinics across India.

Dr Shetty conceived Yeshasvini, the world's most successful micro health insurance scheme that takes care of the surgical needs of 4 million farmers and rural population.

Dr Shetty is recognised for his thought leadership in contributing to national health policies and developing ingenious solutions for affordable healthcare delivery and is regularly invited by the state and central governments of India, trade bodies and policy think tanks. In 2010 the Indian government nominated Dr Shetty to join the Board of Governors of the Medical Council of India.



Dr Shetty is invited by the National Board of Examinations to officiate as an independent examiner for the fellowship students in Cardiac Surgery and in evaluation of institutions as training centres for cardio thoracic surgeons.

A strong advocate of technology for efficient healthcare delivery, Dr Shetty is involved in the development of software products and applications to achieve time and cost efficiency while ensuring minimal clinical errors in healthcare delivery.

In 2004 he was awarded the Padma Shri and in 2012 the Padma Bhushan, the third and fourth highest civilian awards by the Government of India for his contribution to the field of affordable healthcare.

## Welcome Reception

<b>Date</b>	Thursday, 30 November
<b>Time</b>	19:30-21:30
<b>Venue</b>	Strelitzia Restaurant, Cape Town International Convention Centre
<b>Fee</b>	EUR 10
<b>Dress code</b>	Business attire or casual

## African Night

<b>Date</b>	Friday, 1 December
<b>Time</b>	19:00-23:00
<b>Venue</b>	Gold Restaurant – 15 Bennett Street, Green Point, 8005 Cape Town <a href="http://www.goldrestaurant.co.za">www.goldrestaurant.co.za</a>
<b>Fee</b>	EUR 80
<b>Dress code</b>	Smart casual
<b>Bus schedule</b>	Buses leave between 18:30 and 19:00 from the Westin Hotel and then at 23:00 from the Gold Restaurant to the Westin Hotel

Transfer to Gold Restaurant for an eclectic Pan-African experience in the heart of Cape Town. From the moment you walk through the glass doors into the aged brick interior, with its ancient doors, wooden beams and iron pillars, you will feel the heartbeat of a unique African restaurant in Cape Town. Delegates will be accommodated exclusively in a beautiful modern dining area adorned with unique African décor.

Here, you will have a night of opulent feasting with a unique bouquet of live entertainment in a mystical African setting. Enjoy cuisine from an African kitchen served by your magnificently adorned servers after explaining each dish and its African origin.





Gold Restaurant will take you on a taste safari from Cape Malay to African cuisine – from Cape Town to Timbuktu with a delightful selection of canapés and finger foods.

While you enjoy the vast variety of different dishes, you will be captivated as the live extravaganza takes place around your table. Tall, graceful Mali puppets will captivate you as they dance with the singer, jump to the beat of the drum and swirl with the dancers.

You will be welcomed to South Africa in a truly unique display of singing, dancing and vibrant drumming. You will have the opportunity to discover your African heartbeat.



## Closing Ceremony

<b>Date</b>	Saturday, 2 December
<b>Time</b>	12:15-13:30
<b>Venue</b>	Auditorium II, Cape Town International Convention Centre
<b>Fee</b>	Free
<b>Dress code</b>	Business attire or casual

Numerous awards will be handed out and the Congress will be officially closed.

Don't miss the presentation about beautiful Montreal in Canada, the host city of the 39<sup>th</sup> SICOT Orthopaedic World Congress to be held in October 2018.

## Exhibition

### Booths

101	Depuy Synthes Johnson & Johnson
102	Smith & Nephew
103	Stryker
104A	Maxx Orthopedics, Inc. / Meril Healthcare Private Ltd.
104C	Wolters Kluwer
105	SICOT Lounge
106A	Onbone (Orthomedics Pharmaceuticals Pty)
106B/106D	BMK Orthopaedics
106C	Intrauma Spa
201	Sawbones
202	Da Vinci S.R.L.
202	Neurospine
203	Neoligaments (a division of Xiros Ltd.)
204	South African Orthopaedic Association
206	Asia Pacific Orthopaedic Association
207	Médecins Sans Frontières
208	Sofemed International
209	Heraeus South Africa
302	Hefei Wuyang Medical Instruments Co., Ltd.
303-304	LINET Group
305	Wuhan Dragonbio Orthopaedic Products Co., Ltd. / Mindray Orthopaedics
306-307	SICOT e-Poster Area / AAOS Video Theater
308	Acumed - Affordable Medical
310/313	CeramTec
311	Double Medical - SAC (Xiamen) Medical Technology Co., Ltd.
314	BoTEC Medical Innovation
315	Medistnet Grup Medikal İth. İhr. A.S. / Ortobiomed
316-319	B Braun Medical - South Africa
322	Ortho-Xact / Surgical Innovations
323	Beijing Chunlizhengda Medical Instruments Co., Ltd.
325	Medtronic Africa (Pty) Ltd.
326	Nebula Surgical PVT. Ltd.
327-328	Medi GmbH & Co. KG
329-330	SICOT Delegate Bag Pick-up
331-333	Ziehm Imaging



336-337	Naton Medical Group
339	Canwell Medical Co., Ltd.
340	Syntec Scientific Corporation
342-343	Groupe Lépine
344	ZipLine Medical
345	Shanghai Bojin Electric Instrument & Device
352	SBM S.A.S.

## Opening hours

Thursday, 30 November	08:00-17:30
Friday, 1 December	08:00-17:30
Saturday, 2 December	08:00-12:00

## Contact

For more information, please contact Lina Salvati at Linsa Inc.:

Tel.: +1 514 924 3476 / +1 450 458 1696

Skype: riple9423

E-mail: [lsalvati@linsa.ca](mailto:lsalvati@linsa.ca)



# Industry-Sponsored Sessions

Thursday, 30 November

Roof Terrace  
13:00-14:00



ZIMMER BIOMET

Your progress. Our promise.™

## Lunch Symposium – Oxford® Partial Knee Best Practices – Increase Knowledge – Knee

Moderators:

Peter ALDINGER (GERMANY), Michael CLARIUS (GERMANY)

### INDICATIONS

Peter ALDINGER (GERMANY)

### CONTRA INDICATIONS

Michael CLARIUS (GERMANY)

### OXFORD FLOW

Peter ALDINGER (GERMANY)

### ROLE AND BENEFITS OF NAVIGATION IN TOTAL KNEE REVISION

Michael CLARIUS (GERMANY)

### Q&A

Peter ALDINGER, Michael CLARIUS (GERMANY)

Friday, 1 December

Roof Terrace  
13:00-14:00



groupe lépine

Depuis 1714

## Lunch Symposium – QUATTRO™ Dual-Mobility Cup and Single-Use Instrumentation

Moderator:

Jacques CATON (FRANCE)



**EFFECTIVENESS OF THE DUAL MOBILITY DESIGN FROM THE INITIAL STUDIES TO CONTEMPORARY DUAL MOBILITY CUPS...**

André FERREIRA (FRANCE)

**EVEN IN PATIENTS LESS THAN 55 YEARS OF AGE**

Marc PUCH (FRANCE)

**CRITICAL ASPECTS THAT COULD COMPROMISE THE RESULTS**

Jean-Louis PRUDHON (FRANCE)

**SINGLE USE: STRATEGY ADOPTED BY GROUPE LÉPINE**

Jean Thierry ASLANIAN (FRANCE)

**DUAL MOBILITY AND ANTERIOR APPROACH WITHOUT SPECIFIC TABLE**

Sebastien LUSTIG (FRANCE)

**THE QUATTRO™ REGISTER: A TOOL ADAPTED FOR MONITORING**

Marc PUCH (FRANCE)

**CONCLUSION**

André FERREIRA (FRANCE)

2.41-2.43  
13:00-14:00

**maxx**  
medical

*Lunch Symposium – Customised Knee design – A Knee without compromise, Truly meeting the demands of Anthropometric variations – Freedom Knee*

2.61-2.66  
13:00-14:00

 **smith&nephew**

*Lunch Symposium – Powering Knee Replacement with NAVIO™ Robotics – Experience the Handheld Robotic Technology in Knee Replacement*

*Moderators:*

Brian MCGINGLEY (UNITED STATES), Alberto GREGORI (SCOTLAND),  
Sebastien LUSTIG (FRANCE)

**WHERE DO WE GO FROM HERE – WHAT IS ROBOTIC SURGERY?**

Alberto GREGORI (SCOTLAND)

**WHY NAVIO ROBOTICS MAKES A DIFFERENCE IN UKA AND TKA SURGERIES**

Brian MCGINGLEY (UNITED STATES)

**PRE-RECORDED NAVIO ROBOTIC SURGERY ASSOCIATED WITH JOURNEY UNI**

Sebastien LUSTIG (FRANCE)

**JOURNEY II TKA: DESIGN RATIONAL AND EARLY RESULTS**

Brian MCGINGLEY (UNITED STATES)

**Q&A**

All



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 Hillsboro, Oregon 97124, USA  
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 Website: [www.acumed.net/products](http://www.acumed.net/products)

**AO Foundation**

Sponsor

AOTrauma International  
 Stettbachstrasse 6  
 8600 Dübendorf, SWITZERLAND  
 Telephone: +41 44 200 24 55  
 Email: [lwelti@aotrauma.org](mailto:lwelti@aotrauma.org)  
 Website: [www.aotrauma.org](http://www.aotrauma.org)

**Asia Pacific Orthopaedic Association (APOA)**

Booth # 206

Unit 1.6, Level 1, Enterprise 3B, Technology Park Malaysia (TPM)  
 Jalan Innovasi 1, Lebuhraya Puchong - Sungei Besi, Bukit Jalil  
 57000, Kuala Lumpur, Wilayah Persekutuan, MALAYSIA  
 Telephone: +60 3 4023 4700  
 Email: [admin@apoaonline.com](mailto:admin@apoaonline.com)  
 Website: [www.apoaonline.com](http://www.apoaonline.com)

**B. Braun Aesculap**

Booth # 316-319

Am Aesculap Platz  
 78532 Tuttlingen, GERMANY  
 Telephone: +49 7461 95-0  
 Website: [www.bbraun.com](http://www.bbraun.com)

**BMK Orthopaedics PTY**

Booth # 106B-106D

Louise Street  
 Nelspruit  
 1200, SOUTH AFRICA  
 Telephone: +27 13 745 7163  
 Email: [info@bmkpty.com](mailto:info@bmkpty.com)  
 Website: [www.bmkpty.com](http://www.bmkpty.com)



**Shanghai Bojin Electric Instrument & Device****Booth # 345**

Room 606, No. 3388  
Gonghe Xin Road, Shanghai, CHINA  
Telephone: +86 21 6630 8077  
Website: www.bojin-medical.com

**BoTEC Medical – A Subsidiary of WinnTi****Booth # 314**

12/F, Tower 5 LuJiaZui Century Financial Plaza  
258 Jin Kang Rd.  
Shanghai 200127, CHINA  
Telephone: +86 21 6109 0168  
Email: Export@botec-med.com  
Website: www.botec-med.com

**Canwell Medical Co., Ltd.****Booth # 339**

No. 466 South Xianhua Street  
Jinhua, Zhejiang, CHINA  
Telephone: +86 89119170  
Website: www.canwell.com.cn

**CeramTec GmbH****Booth # 310-313**

Medical Products Division  
CeramTec-Platz 1-9  
73207 Plochingen, GERMANY  
Telephone: +49 7163 166 239  
Website: www.ceramtec.de

**Beijing Chunlizhengda Medical Instruments****Booth # 323**

20/F Gaohelanfeng Plaza  
98 South of east 3rd Ring Road  
Chaoyang District, Beijing 100021, CHINA  
Telephone: +86 10 58611761  
Website: www.clzd.com





**DaVinci****Booth # 202**

Via Riccardo Felici 11  
Verona, 37135, ITALY  
Telephone: +39 045 8342591  
E-mail: info@davinciortho.com  
Website: www.e-lisa.com

**DePuy Synthes Johnson & Johnson Medical****Booth # 101**

2 Medical Street  
Midrand, Gauteng, PO Box 273  
Halfway House 1685, SOUTH AFRICA  
Telephone: +27 11 265 1000  
Website: www.jnj.com

**Double Medical Technology Inc.****Booth # 311**

No. 18, Shangbianhong East Road  
Haicang District  
Xiamen City 361022, CHINA  
Telephone: +86 592 6087101  
Website: www.double-medical.com

**Groupe Lépine****Booth # 342-343**

175 rue Jacquard  
ZI Lyon Nord, CS 50307  
69730 Genay, FRANCE  
Telephone: +33 (0)4 72 33 02 95  
Website: www.groupe-lepine.com

**Hefei Wuyang Medical Instrument Co., Ltd.****Booth # 302**

Telephone: +86 553 2611510  
Email: info@hfwuyang.cn  
Website: www.hfwuyang.cn





**Heraeus Medical GmbH Germany****Booth # 209**

Philipp-Reis-Str. 8-13  
Wehrheim 61273, GERMANY  
Telephone: Germany +49 6181 35 3399  
Telephone: South Africa +27 82 386 1247  
Website: [www.heraeus-medical.com](http://www.heraeus-medical.com)  
[www.heraeus-palacademy.com](http://www.heraeus-palacademy.com)

# Heraeus

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