International Society for Computer Assisted Orthopaedic Surgery

SICOT 2016 CAOS sessions
8th Sep 2016
Venue: Rome, Italy

Chairmen of the day: Norberto Confalonieri, Andrea Ferretti, Kamal Deep and Ajeya Adhikari

Free Paper sessions: Chairs: Ajeya Adhikari, Andrea Ferretti, Frederic Picard, Jan Koenig, Mahmoud Hafez, Ashish Mahendra, Norberto Confalonieri, Kamal Deep

Faculty Sessions

Knee Symposium 1 – Chairs Kamal Deep, Francesco Falez – 60 min

- How have we reached the number we aim for in knee replacement – Coronal and Sagittal Alignments, rotation, soft tissues – Chitranjan Ranawat (USA) – 15 min
- Why I abandoned navigation – Francesco Benazzo (Italy) – 10 min
- Why I am fed up of talking about navigation – Frederic Picard (UK) – 15 Min
- Sum up and Panel Discussion - Francesco Falez and Kamal Deep

Key Note lecture : Prof Norberto Confalonieri

"New technologies: state of art and Italian contribution"

Hip Symposium – Chair: André Ferreira, Frederic Picard – 45 min

- What do we need to measure in hips and how I do it – Jacques Caton (France) – 10 Min
- Navigation gives you what you think at the back of your mind – Kamal Deep (UK) – 15 Min
- Discussion and Sum up – Andre Ferriera and Frederic Picard

Knee Symposium 2 – Chairs: Jean Yves Jenny and Norberto Confalonieri – 90 min

- Osteotomies around the knee and CAS – Dominique Saragaglia (France) – 10 Min
Small Implants and CAOS – Norberto Confalonieri (Italy) – 10 Min
Using Navigation without pins – Ajeya Adhikari (UK) – 10 Min
Role of Robotics in Knee replacement – Stefan Kreuzer (Italy) – 10 Min
Soft tissue balancing with and automated specers – Jan Koenig (USA) – 10 Min
Navigation as a learning tool – Jean Yves Jenny (FRANCE) – 10 Min

Other uses of CAOS Technology – Chairs: Dominique Saragaglia and Andrea Ferretti – 45 min

Anterior Cruciate deficient knees: How Can CAOS help - Prof Andrea Ferretti, (Italy) – 10 Min
3D Printing and Orthopaedics – Mahmoud Hafez (Egypt) – 10 Min
Saving the limbs and joints - Tumours and CAS – Ashish Mahendra (UK) – 15 Min

There will be four sessions of free papers tied to the topics as described above to cover the rest of the duration.

Round Table Discussion:
Panel: K Deep, N Confalonieri, A Ferretti, D saragaglia, JYJenny, F Picard, A Mahendra,
Are the computer technologies easy/very complex to use?
Does it increase or decrease complication rate?
Why Computer assistance should be mandatory in joint replacement/orthopaedic surgery?
Why is it not mainstream as yet?

Free Papers

Knee
Abstract no.: 44670

Technology Optimised Enhanced Recovery Solutions improve Outcomes in Total Hip (THA) and Knee Arthroplasty (TKA)

Prakash JAYAKUMAR¹, Jianing Di², Jiayu FU³, Joyce CRAIG⁴, Seyi OLUBAJO⁵, Vicki NADARAJAH⁵, Jade COPE⁵, Markus BANKES⁵, Peter EARNSHAW⁶, Zameer SHAH⁵
¹Nuffield Orthopaedic Centre, Oxford (UNITED KINGDOM), ²Johnson and Johnson /
Hip

Abstract no.: 43667

Robot-assisted hip replacement surgery (MAKOplasty) : advantages and preliminary results

Piergiuseppe PERAZZINI¹, Alberto MARANGON², Paolo SEMBENINI¹, Francesco ALBERTON²
¹ Casa di Cura San Francesco, Verona (ITALY), ² Casa di cura San Francesco, Verona (ITALY)

Use of Ultrasound based registration increases cup accuracy and reduces registration error in total hip replacement

Hartmuth Kiefer¹, Prof. Dr. med., Keosun Sambo¹, Bjoern Leder¹, Dr. med., Georgi Wassilev², Priv.-Doz. Dr. med.
¹ Dept. of Orthopaedic and Trauma Surgery, Lukas Hospital Buende
² Klinik für Orthopädie, Charité - Universitätsmedizin Berlin

Miscellaneous

Abstract no.: 43145

The “in-Vivo Cell Factory” Concept As An Alternative To Traditional Tissue Engineering In The Repair Of Large Cavitary Bone Defects.

Edy BIANCALANI¹, Pietro DE BIASE², Olga PECCHIOLI³
¹ santa maria annunziata, firenze (ITALY), ² ospedale san donato, arezzo (ITALY), ³ regen lab, losanna (SWITZERLAND)

Abstract no.: 43144

Regenerative Medicine In The Treatment Of Osteonecrosis Of The Hip: A Comparative Clinical Study On The Use Of Autologous Stem Cell Concentrates In The Presence Or Absence Of BMP

Edy BIANCALANI¹, Pietro DE BIASE²
¹ santa maria annunziata, firenze (ITALY), ² ospedale san donato, arezzo (ITALY)
Assessment of nerve fiber transaction in acute spinal cord injury using tractographic 3D reconstruction.

Shyam kumar SARAF, Ashish VERMA, Ritu OJHA
Institute of Medical Sciences, BHU, Varanasi (INDIA)

Abstract no.: 44654

E Health: transforming health care services

Sejal SHAH
NISARG ORTHOPAEDIC AND MATERNITY HOSPITAL, VADODARA (INDIA)

Abstract no.: 44316

E-learning in Teaching Orthopaedic Surgeons

Olivera LUPESCU¹, Taina elena AVRAMESCU², Cristina PATRU³, Mihail NAGEA³, Stavros PERANTONIS⁴, Vassilis VIRVILIS⁴, Ioannis PRATIKAKIS⁵
¹University of Medicine and Pharmacy, Bucharest (ROMANIA), ²University of Craiova, Craiova (ROMANIA), ³Clinical Emergency Hospital, Bucharest (ROMANIA), ⁴NATIONAL CENTER FOR SCIENTIFIC RESEARCH “DEMOKRITOS”, Athens (GREECE), ⁵DEMOCRITUS UNIVERSITY OF THRACE, Komotini (GREECE)

Abstract no.: 44860

E-learning in trauma education: motivation is significantly increased by MOOCs

Francesca VON MATTHEY, Karl-georg KANZ, Peter BIBERTHALER
Department of Trauma Surgery, Technical Univeristy Munich, Munich (GERMANY)

Poster

Abstract no.: 43890

xMEDx Telemedical approach for hip dysplasia

Christof PABINGER
OPZ Graz, Graz (AUSTRIA)

Abstract no.: 45613

Low cost diagnostics for Global Health
Kanta CHATTERJEE, Partha CHAKRABORTY
Cognizant Technologies, Kolkata (INDIA)

Abstract no.: 45394

SMART Phone Use In Orthopaedics: Legal, Ethical and Practical Considerations

William NABULYATO, Samuel Heaton, Luckshmana Jeyaseelan
Princess Alexandra Hospital, London (UNITED KINGDOM)

Abstract no.: 42689

Payment by Results in an orthopaedic setting

Dharminder DHILLON, Fady AWAD, Mohammad SHAHID, Selzer GUNTHER
Walsall Manor Hospital, Walsall (UNITED KINGDOM)

Abstract no.: 43893

xMEDx: A helpful telemedical App for Universities, Surgeons and Doctors

Christof PABINGER
OPZ Graz, Graz (AUSTRIA)

Abstract no.: 43143

Ten-Year Experience Of Non Unions Treated With Autologous Bone Marrow Concentrate And Osteogenic Protein-1.

Edy BIANCALANI¹, Pietro DE BIASE²
¹Santa Maria Annunziata, Firenze (ITALY), ²ospedale san donato, arezzo (ITALY)

Abstract no.: 44237

Mersey (UK) orthopaedics trainers perceptive on work based assessments.

Yuen CHAN, Peter Ralte, Simon Platt
Mersey Deanery, Liverpool (UNITED KINGDOM)

Abstract no.: 44320

Impact of Social Media On Healthcare Delivery
Ashwanth RAMESH¹, Juergen MESSNER¹, Almas KHAN²
¹Bradford Royal Infirmary, Bradford (UNITED KINGDOM), ²Leeds General Infirmary, Leeds (UNITED KINGDOM)

Abstract no.: 45534

Theatre cancellations – are we recording the data correctly? One year following the previous audit

Karadi hari SUNIL KUMAR¹, Rashid KHAN²
¹Addenbrookes Hospital, Cambridge (UNITED KINGDOM), ²Princess Alexandra Hospital, Harlow (UNITED KINGDOM)

Abstract no.: 45477

Improving Operative Note Documentation in Trauma and Orthopaedics

Waheeb AL-AZZANI¹, Samihah ASLAM², Umar-khetaab HANIF³, Hossam ELMAHAL¹, Paul HODGSON¹
¹University Hospital of Wales, Cardiff (UNITED KINGDOM), ²Prince Charles Hospital, Methyr Tydfil (UNITED KINGDOM), ³Cardiff University, Cardiff (UNITED KINGDOM)

Abstract no.: 43644

3D computer-assisted orthopaedic surgery planning system

Vasily SHISHKIN, Valeriy GOLUBEV
Central Clinical Hospital of the Russian Academy of Sciences, Moscow (RUSSIA)

Abstract no.: 43994

Clinical Application Of 3D Printing Model For The Patients Of Orthopaedic Trauma

Zhe SONG
Department of Orthopaedic Trauma, Xi’an HongHui Hospital,, Xi’an (CHINA)

Abstract no.: 43456

The Orthopaedic Quality Scorecard in Total Joint Replacement

James WADDELL¹, Erik HELLSTEN², Rhona MCGLASSON³, Kathryn DORESO⁴, James WADDELL¹
¹University of Toronto, Toronto (CANADA), ²Health Quality Ontario, Toronto (CANADA), ³Bone and Joint Canada, Toronto (CANADA), ⁴Ontario Ministry of Health and Long Term Care, Toronto (CANADA)