

Programme for CAOS UK 2016 at Hamlyn Symposium for Robotics

Saturday 25th June 2016: Read Lecture theatre, Sherfield Building, Imperial College Campus

0900-0910 Welcome & Introduction : Mr Robin Strachan CAOS UK President & Mr Dinesh Nathwani CAOS UK Exec Director and Scientific Meeting Organiser

Session 1 – Faculty Presentations: Chair F Rodrigues y Baena and Dinesh Nathwani

Hip

0915-0925 Navigation outcomes in Hip Surgery – Kamal Deep

0925-0935 Improving Accuracy of registration in Hip Navigation- Ed Davis

Knee

0935-0945 Technology Assisted UKR and TKR-can we improve outcomes-
D Nathwani

0945-0955 New Software for Navigation in TKR and UKR- Ed Davis

Simulation and Training

1000-1015 Cognitive surgical simulation on a mobile platform- Touch Surgery
Mr Jean Nehme MBBS MRCS MSc(Hons)

1020-1035 Virtual Reality in Orthopaedic Training
Mr Chinmay Gupte Consultant & Senior Lecturer, Training
Program Director, Imperial College

1040-1055 **Round table Discussion: Should we move on from Navigation?**

R Strachan, K Deep, D Nathwani, Ed Davis, F Rodrigues y Baena, Saif Ahmed

1055-1110 Coffee

Session 2 – Chair Ferdinando Rodriguez Y Baena, Robin Strachan

1110-1215-Free Papers

1110-1120: Computer Assisted Navigation in Total Hip Arthroplasty- A Systematic Review: Fahad Mohamed, Leicester Royal Infirmary; Ravikiran Shenoy, Royal National Orthopaedic Hospital, Stanmore; Shahbaz Malik, Sandwell and Birmingham Hospital, Birmingham; Ida Ryland, Edge Hill University; Edward Davis, Russell's Hall Hospital

1120-1130 : Computer Navigation Helps Reduce the Incidence of Noise After Ceramic-on-Ceramic Total Hip Arthroplasty: Siddharth Shah, Kamal Deep Golden Jubilee National Hospital

1130-1140 : One hundred consecutive computer navigated fixed bearing unicompartmental knee replacements: a prospective study reporting on patient reported outcome and radiological analysis at a minimum of 5 years, Philip PASTIDES, Joe Windley, Dinesh Nathwani. Imperial College Healthcare NHS Trust

1140-1150: Comparison of Soft Tissue, Bony, and Conservative Procedures Used to Improve Patellar Kinematics and Contact Pressures: A Finite Element Study, Kamal Deep, Golden Jubilee National Hospital Glasgow, UK

1150-1200- Knee alignment – dynamicity and issues in normal, arthritic and replaced knees, Kamal Deep, Golden Jubilee National Hospital Glasgow, UK

1200-1210- Longitudinal gait analysis of orthopaedic patients using a single ear-worn sensor: a potential for remote home-based assessment of post-operative gait improvement: Delaram Jarchi, Philip PASTIDES, Dinesh Nathwani, Imperial College Healthcare NHS Trust

Session 3 – Chair D Nathwani

1215-1300 - KEYNOTE INVITED GUEST SPEAKER

“TRANSLATIONAL RESEARCH-How to make it a reality”

Professor Guang Zhong Yang- Professor and Director of Hamlyn Centre for Robotics. Imperial College.

1300-1400 Lunch

Session 4 –The Robots have landed..... Chair D Nathwani

1400-1415 “Surgeons are history-Robots are the Orthopaedic Future”
Prof Ferdinando Rodriguez Y Baena- Imperial College

1415-1500 Workshop 1

Stryker Mako- Group A Read Lecture Theatre

Smith & Nephew Navio- Group B Conference room

1500-1545 Workshop 2

Stryker Mako -Group B Read Lecture Theatre

Smith & Nephew Navio- Group A Conference Room

1545-1600

Close of CAOS Uk session

1600-1800 Surgical Robot Challenge Final Presentations- Main Hall