	Wednesday		
12:00			
12:30	How to Create a Successful Orthopaedic Implant	Tendon Research Group Presents The Role Of Tendon Stem Cells In Tendon Disease And Repair	
13:00			
13:30			
14:00			
14:30			
15:00	Clinical Trials and Statistics in Orthopaedic Research		
15:30			
16:00			
16:30			
17:00			Meet a Mentor Young Investigator Session
17:30			
18:00			
19:00	**Welcome Drinks Reception**		
19:30	**Young Investigator Social**		

	Thursday		
	Great Hall	**Council Chamber**	**Room 3**
09:00	**Keynote Address By Matt Costa**		
	HIP 1 Bernd Grimm & Ashley Blom	**KNEE 1** Enrique Gomez-Barrena & Andy Judge	**CARTILAGE** Denitsa Docheva & Sarah Dex
Talk 1 starts at 09:30:00	Pre-Operative Assessment & Critical Care Admission in hip/Knee Arthroplasty by Graham Walkden, S. Lewis & J.Soar Presented by Graham Walkden	Biomechanical Assessment of Novel Distal Angular Condylar Femoral Intramedullary Nail by Ahmed Karakasli, Fatih Ertem, Nihat Demirhan Demirkıran, Yunus Emre Bektas & Hasan Havitcıoglu Presented by Faith Ertem	Osteoarthritic Human Chondrocytes for Repair of Murine Segmental Tibial Defects by Alfred Kuo, Chelsea Bahney, Linsey Jacobs, Diane Hu, Hubert T. Kim & Ralph Marcucio Presented by Alfred Kuo

Talk 2 starts at 09:42:00	The Effect of Approach on Outcome from Revision Hip Replacement by Julia Blackburn, D. Lim, I. Harrowell, M. Parry, A.W Blom & M.R. Whitehouse Presented by Julia Blackburn	Patient Perspective on the use of Tourniquets in Knee Replacement by Imran Ahmed, Peter Wall, Louise Fraser & Andrew Sprowson Presented by Imran Ahmed	Hyaluronan Stimulates Chondrogenic Gene Expression of Inner Meniscus Cells by Takaaki Tanaka, Takayuki Furumatsu, Shinichi Miyazawa, Msataka Fujii, Hiroto Inoue & Toshifumi Ozaki Presented by Takaaki Tanaka
Talk 3 starts at 09:54:00	A Review of Outcomes Following Liner Dissociation from Harris-Galante Cups by Andrew Grazette, J Foote, M Whitehouse & A Blom	The Effect of Local Anaesthetic Infiltration on Chronic post-Surgical Pain after Total Hip and Knee Replacement: The APEX Randomised Controlled Trials by Vikki Wylde, Erik Lenguerrand, Rachael Gooberman-Hill, Andrew D. Beswick, Elsa Marques, Sian Noble, Jeremy Horwood, Mark Pyke, Paul Dieppe & Ashley W. Blom Presented by Ashley Blom	TGF-β2 Knockdown Under Osmolarity Improves Collagen Expression in Chondrocytes by Ufak Tan Timur, Anna van der Windt , Marjolein Caron, Tim J Welting, Pieter J Emans & Holger Jahr Presented by Ufak Tan Timur
Talk 4 starts at 10:06:00	Biomechanical Performance of Various Hip Labral Repair Techniques by Onur Hapa, Onur Basci, Levent Horoz, Fatih Ertem, Ahmet Karakasli & Hasan Havitcioglu Presented by Faith Ertem	Geometric Accuracy of Elbow Flexion-Extension (F-E) Axis based on Approximation to the Epicondylar Axis by Zehao Tan, Yeong Huei Ng, Andy Yew, Chueh Loo Poh, Joyce Koh, Bernard Morrey, Howe Tet Sen. Presented by Zehao Tan, M.D	SOX-9 Expression in Chondrocytes is Regulated by Nrf2 by Holger Jahr, R. Beckmann, M. Tingart, T. Pufe & C. Wruck Presented by Rainer Beckmann

Talk 5 starts at 10:18:00	Development of an Acetabular Cup Loosening Detection Using Vibration Analysis by Abdullah A. Alshuhri, Anthony W. Miles & James L. Cunningham Presented by Abdullah A. Alshuhri	Method to Evaluate the Delamination Risk of TKA Polyethylene Materials by Thomas M Grupp, Bernhard Fritz, Ines Kutzner, Georg Bergmann & Jens Schwiesau Presented by Thomas M. Grupp	A Novel Tri-Layered Collagen Scaffold for Knee Osteochondral Defect Repair by Ashwanth Ramesh, Tanya Levingstone, Robert Brady, John Gleeson, Pieter Frama & Fergal O'Brien Presented by Ashwanth Ramesh
Talk 6 starts at 10:30:00	Are Ceramic Bearings Releasing Ions? By Alessandro Alan Porporati, J.P. Kretzer, R. Sonntag, H. Kiefer, J. Reinders, A. A. Porporati & R. Streicher Presented by A. A. Porporati	Hip Rotation as Risk Factor for ACL Injury in Females by Tadashi Yasuda, Yuki Yokoi, Keiichi Oyanagi & Kazutaka Hamamoto Presented by Tadashi Yasuda	Disc Regeneration using MSC Transplanted via the Endplate Route by Fabrizio Russo, Maria Musumeci, Francesca De Strobel, Marco Bernardini, Giulia De Benedictis, Luca Denaro, Domenico D'Avella, Rosaria Giordano & Vincenzo Denaro Presented by Fabrizio Russo
Break			
	HIP 2 Mike Whitehouse & Richie Gill	**KNEE 2** Edward Valstar & Julia Blackburn	**REGENERATION 1** Puck Vergroesen

Talk 1 starts at 11:00:00	Resistance to Damage of Materials for THR Bearing Surfaces by Piconi Corrado, Porporati, Alessandro Alan & Streicher, Robert Michael Presented by Corrado Piconi	Medium-to Long-Term evaluation of Contoured Focal Knee Resurfacing Prosthesis by Lily Li, Akash Patel, Humam Jundi & Harish Parmar Presented by Lily Li	Bone Turnover Markers In Nonunions Treated with Expanded Autologous Cell Therapy by Nicola Baldini, G. Ciapetti, C. Fotia, D. Granchi, M. Rojewski, P. Rosset & E. Gómez-Barrena Presnted by TBA
Talk 2 starts at 11:12:00	Tibial Component Without Stem in a Trabecular Metal Cone Construct by Marrigje Meijer, Alexander L. Boerboom, Martin Stevens, Inge H. F. Reininga, Dennis W. Janssen& N. Verdonschot. Presented by Marrigje Meijer	Polyetheretherketone in an All Polymer Total Knee Arthroplasty by Temitope Adesina, S Ajami, MJ Coathup & GW Blunn Presented by Temitope Adesina	Low Doses of Proteasome Inhibitor, Bortezomib as a New local Treatment Against multiple Myeloma-Invivo by Seemun Ray, Ulrich Thormann, Ursula Sommer , Thaqif El Khassawna, Marcus Rhonke, & Volker Alt Presented by Thaqif El Khassawna
Talk 3 starts at 11:24:00	Analgesia in Hip Fractures. Do Fascia-Iliac Blocks Make Any Difference? by J Callear & K Shah Presented by J Callear	Finite Element Analysis of the Tibial Component Stem Orientation in Revision Total Knee Replacement by Benjamin Rastetter, Samantha J Wright, Sabina Gheduzzi, Anthony W Miles & Sally E Clift Presented by Benjamin Rastetter	Osteoporosis Affects Stem Cell Migration that is Ameliorated by CXCR4 by Anita Sanghani, Coathup M; Samazideh S; Kalia P; Di Silvio L & Blunn G. Presented by Anita Sanghani

Talk 4 starts at 11:36:00	Early Death Following Revision Total Hip and Total Knee Arthroplasty by Mark D Jones, Michael Parry, Michael Whitehouse & Ashley W Blom Presented by Mark D Jones	Development and Validation of Knee Simulator: Beyond Squatting by Abdullah A. Alshuhri, Nahidul Islam, Van Onsem, C. Stevens, , S. Herregodts, N. Arnout & J. Victor. Presenting by Abdullah A. Alshuhri	Are Osteocytes Involved In Implant Degradation And Bone - Implant Anchorage? by Seemun Ray, Thaqif El Khassawna, Ulrich Thormann , Ursula Sommer , Marcus Rhonke, Michael Gelinsky, Thomas Hanke,Christian Heiss & Volker Alt Presented by Thaqif El Khassawna
Talk 5 starts at 11:48:00	Role of Toll-like Receptor 4 in Immunological Responses to Cobalt by Helen Lawrence, David J Deehan, James P Holland, John A Kirby & Alison J Tyson-Capper Presented by Helen Lawrence	Arthroplasty Induced Post-Traumatic Immunosuppression is Reversed by Anti-Coagulated Salvaged Blood by Nahidul Islam, Michael Whitehouse, Sanchit Mehandale, Ashley Blom, Gordon Bannister, Rhodri Ceredig & Benjamin Bradley Presented by Michael Whitehouse	Expanded Autologous MSCs / Biomaterials in Nonunions: a European Clinical Trial by Enrique Gomez-Barrena, Philippe Rosset, Philippe Hernigou, Florian Gebhard, Christian Ehrnthaller, Nicola Baldini & Pierre Layrolle, On behalf of the REBORNE Consortium. Presented by Enrique Gomez-Barrena

Talk 6 starts at 12:00:00	Computational Analysis of Taper Junction Fretting of Femoral Hip Implants by Dennis Janssen, T. Bitter, B.W. Schreurs, T. Marriott, I. Khan & N. Verdonschot Presented by Dennis Janssen	Do CAS-Measurements Correlate with EOS 3D Alignment Measurements in TKA? by Marrigje Meijer, Alexander L. Boerboom, Sjoerd K. Bulstra, Inge H. F. Reininga & Martin Stevens. Presented by Marrigje Meijer	COL1A1, COL5A1 AND GDF5 Polymorphisms, Associated with Rotator Cuff Disease by & Inmaculada del Catillo, MD Presented by Sonia Vidal Rodriguez
Talk 7 starts at 12:12:00	Refixation of loosened Hip Prostheses: Osteogenic Capacity of Periprosthetic Tissue Cells by Monique A.E. Schoeman, A.E. Oostlander, K.E. de Rooij, C.W.G.M. Löwik2, E.R. Valstar & R.G.H.H. Nelissen Presented by Monique A.E. Schoeman	Can Magnetic Resonance Imaging (MRI) Scans Be Used To Determine Pre-Operative Knee Alignment In Patients With Osteoarthritis? By Rakan Kabariti, Niall Sullivan & Michael Whitehouse Presented by Rakan Kabariti	The Effect of Subacromial Corticosterids Injections on Normal and Injured Rotator Cuff: Biomechanical and Imaging Study in Rats by Oleg Dolkart, Yehuda H, Zarfati Y, Brosh T, Chechik O & Maman E. Presented by Oleg dolkart
Talk 8 starts at 12:24:00		What Factors Affect Patient Decision-Making in Knee Replacements? by Timothy Barlow, Damian Griffin, Pat Scott & Alba Realpe Presented by Timothy Barlow	Tendon Reattachment Using Demineralized Bone Matrix and Mesenchymal Stem Cells by Tanujan Thangarajah, Catherine J Pendegrass, Shirin Shahbazi, Simon Lambert, Susan Alexander & Gordon W Blunn Presented by Tanujan Thangarajah

Talk 9 starts at 12:36:00		Does Malalignment Affect Outcome Following Knee Replacement and Revision Rates: A Systematic Review by M. Hadi, T. Barlow, I. Ahmed, M. Dunbar & D.Griffin Presented by I. Ahmed	The Effect of Scoliosis Implant Design Parameters on Whole Spine Mechanical Behaviour by Arts J.J., Hazrati Marangalou J., Meijer G., Ito K., van Rietbergen B., & Homminga J. J. Presented byArts J.J.
			Simpleware Workshop
Lunch			
13:30	**Keynote address by Professor Alice Roberts, Two Legs Bad**		
	HIP 3 Stefan Descamps & Chris Arts	**SPINE AND UPPER LIMB 1** Gianluca Vidala & Brett Rocos	**SOFT TISSUES INJURY & REPAIR** Angela Oostlander & Holger Jahr
Talk 1 starts at 14:00:00	Impact and Preference for Treatment of Infection after Joint Replacement by Andrew Moore & Rachael Gooberman-Hill Presented by Rachael Gooberman-Hill	Raman Spectroscopic Study of Cancerous and Irradiated Human Mandible Bone by Surya P. Singh & I. Parviainen Presented by TBA	Extreme Femoral Valgus Following Lateral Plate Fixation of Femur Fracture by Ahmed Ezzat & Christopher Iobst Presented by Ahmed Ezzat

Talk 2 starts at 14:10:00	Rest and Movement Pain Hip and Knee Replacement by Adrian Sayers, Vikki Wylde*, Erik Lenguerrand, Andrew Beswick, Rachael Gooberman-Hill, Mark Pyke, Paul Dieppe & Ashley W Blom Presented by Adrian Sayers	A Meta-Analysis of the Long-Term Outcomes of Distal Radius Fractures by Conor Gouk, Paul Rebgetz & Michael Thomas Presented by Conor Gouk	Layered Stem Cell Differentiation by a Biomimetic Osteochondral Defect Repair Scaffold by Conor Moran , Levingstone, TJ.1, 2, 3 & O'Byrne JM.1, 4, O'Brien, FJ1, 2, 3 Presented by Conor Moran
Talk 3 starts at 14:20:00	Do Cobalt and Chromium Products Affect the Formation of an Extracellular Matrix? by Hayley Floyd, Janet Lord, Edward Davies, Owen Addison & Liam Grover Presented by Hayley Floyd	Bryan Disc Arthroplasty versus Anterior Cervical Iscectomy and Fusion. A Systematic Review of Level I-II RTCs by María Aragonés, Eduardo Hevia, Alberto Caballero & Carlos Barrios Presented by Eduardo Hevia	Decellularized Osteochondral Graft: Process Development by L Barnouin & Elise Gunzel-Saint-Upery Presented by L Barnouin
Talk 4 starts at 14:30:00	Self-Reported Systemic Complaints in Patients with Metal-on-Metal Hip Arthroplasty by Jetse Jelsma, R. Senden, M. Schotanus, N. Kort, B. Grimm & I. Heyligers Presented by Jetse Jelsma	Surgical Correction of AIS Patients does not Improve the Preoperative Limited Maximal Exercise Tolerance by Rafael Lorente, Luis Fernández-Pineda, Jesús Burgos, Luis M. Antón-Rodrigálvarez, Eduardo Hevia, Cristina Pérez-Encinas & Carlos Barrios Presented by Jesús Burgos	An Acellular and Viroinactivated Meniscus Allograft by E. Günzel, L, Barnouin, P. Delépine & F. Le Pape Presented by E. Günzel

Talk 5 starts at 14:40:00	Study of Biomechanical Screw Purchase Performances of Five Types of Cortical Screws: An Innovative Measurement Method by Ahmet Karakaşlı Mehmet Hilal Özcanhan, Ahmet Karaaslan, Ramadan Özmanevra, Fatih Ertem & Didem Venüs Yıldız Presented by Ahmet Karakaşlı	Rib Cage Modifications Following Surgery in Adolescent Idiopathic Scoliosis by Carolina Hernández, Jesús Burgos, Luis M. Antón, Vicente García, Eduardo Hevia & Carlos Barrios Presented by Jesús Burgos	Processed Meniscus Allograft: Preliminary Results of Phase II Study by Ruiz, N., Barnouin L. & Robert H. Presented by L Barnouin
Talk 6 starts at 14:50:00	Effect of Hip Implant Positioning on Edge-Loading Occurrence and Severity by Oscar O'Dwyer Lancaster-Jones, Mazen Al-Hajjar, Jonathan Thompson, Graham Isaac, John Fisher Presented by Oscar O'Dwyer Lancaster-Jones	Prevalence of Anaerobic Infections in Lumbar Disc Herniation. A Single-Centre Pilot Study by Eduardo Hevia, Andrea Paniagua, Carlos Barrios, Alberto Caballero, Ana Chiaraviglio & Jesus Flores Presented by Eduardo Hevia	Operative versus Non-Operative Management of Partial Anterior Cruciate Ligament Tear: A Systematic Review by Gemma Green, Neil Wickham, Arash Aframian & Presented by Caroline Hing

Talk 7 starts at 15:00:00	Comparable Blood Loss after THA with Dabigatran, Enoxaparin and Rivaroxaban by Marcin Krzysztof Wasko, Konstancja Bobecka, Wesolowska, Ines Pokrzywnicka & Gajekn & Jacek Kowalczewski Presented by Marcin Krzysztof Wasko	Prevention of Lumbar Pedicle Screw Misplacement using Pedicle Mid-Track Stimulation by Luis M Anton-Rodrigálvarez, Jesus Burgos, Lidia Cabanes, Carlos Barrios, Eduardo Hevia, Gema de Blas & Vicente García Presented by Jesús Burgos	A Preliminary Persistent Compression Dynamic Plate for Treatment of Long Bone Fractures: An In Vitro Biomechanical Study by Ahmet Karakaşlı, Eyad Skiak, İsmail S Satoglu, Nihat D Demirkiran, Fatih Ertem & Hasan Havitcioglu Presented by Ahmet Karakaşlı
Talk 8 starts at 15:10:00	Long-term Outcome following Acetabular Fractures Asossicated with Posterior Hip Dislocation by Seng Juong Wong, J.Nicholson, I. Ahmed, A. Ning & J. F. Keating Presented by Seng Juong Wong	Variable Biomechanical Benefits of Screw Augmentation in Proximal Humerus Fractures - Jason Inzana, Claudia Münch, Peter Varga, Ladina Hofmann-Fliri, Norbert Südkamp, Markus Windolf Presented by Jason Inzana	The Anterolateral Ligament of the Knee: Magnetic Resonance Imaging Evaluation by Robert Hurley, Dr Conor Barry, Dr Diane Bergin & Mr Fintan Shannon Presented by Robert Hurley

Talk 9 starts at 15:20:00	Inaccuracies in Data Submitted to the National Hip Fracture Database by Duncan Cundall-Curry & John Lawrence Presented by Duncan Cundall-Curry	Evaluation of Junior Doctor Hand Examination Skills by W. A. K. Al-Azzani C Hill, A Czepulkowski & A Logan Presented by W. A. K. Al-Azzani	Does Accuracy of Ultrasound-Guided Corticosteroid Injection Predict Outcome in Pain and Function in Subacromial Impingement Syndrome? by P Raval, R Ogollah, A Hall, N Foster & E Roddy Presented by P. Raval
Talk 10 starts at 15:30:00	Inserting Femoral Stems Slowly Generates High Cement Pressures for Longer by Alex Goubran, Stephen McHale & Colin Steinlechner Presented by Stephen McHale	Intramedullary Nailing for Distal Radius Fractures: A Systematic Review by Robert Jordan & A Saithna Presented by Robert Jordan	Regeneration of “Critical Size Bone Defects” using 3D-printed Scaffolds by Tobias Heigl, Philipp Lichte, Katharina Kloss, Horst Fischer, Thomas Pufe & Mersedeh Tohidnezhad Presented by Tobias Heigl
Talk 11 starts at 15:40:00	Hospital variation in Allogeneic Transfusion in Hip and Knee Arthroplasty by V.M.A. Voorn, P.J. Marang- van de Mheen, A. van der Hout, T.P.M. Vliet Vlieland, R.G.H.H. Nelissen & L. van Bodegom - Vos Presented by V.M.A. Voorn	Fixation versus Replacement for Comminuted Radial Head Fractures in Adults by Akash Patel, Lily Li & Abbas Rashid Presented by Lily Li	Implant/Skeletal Cell Interface: Harnessing Implant Topography to Improve Osseointegration by Vitali Goriainov, Rasmus Pedersen, Nikolaj Gadegaard, Douglas G Dunlop & Richard OC Oreffo Presented by Vitali Goriainov

Talk 12 starts at 15:50:00		Histone Lysine Demethylase KDM6a inhibitor Alleviates Osteoarthritis by Yi-Chih Sun, Yu-Shang Chen, Feng-Sheng Wang Presented by TBA	An Analysis of Patient Radiation Exposure in Trauma Operations by Mustafa Rashid, Sheweidin Aziz, Syed Haydar & Amit Datta Presented by Mustafa Rashid
Break			
	ELEVATOR PITCH 1 Denitsa Docheva & Bernd Grimm	**ELEVATOR PITCH 2** Mike Whitehouse & Richie Gill	**iPROMEDA Workshop**
Talk 1 starts at 16:00:00	Do You want to Improve Uncemented Stem Design for Total Hip Replacement? by Eduardo Garcia-Rey, Rosario Madero, Enrique Gomez-Barrena & Eduardo Garcia-Cimbrelo Presented by Eduardo Garcia-Rey	Distal Femoral Fractures: The Need to Review Standards of Care by James A. R. Smith, Ruth Halliday, Alexander L. Aquilina, Peter Hull & Michael Kelly, Collaborative - Orthopaedic Trauma Society (OTS) Presented by Alexander L. Aquilina	

Talk 2 starts at 16:03	Epidemic of Fractures during a Period of Snow and Ice; Has Anything Changed 33 Years On? by Waheeb A K Al-Azzani, Danial Adam Mak, Paul Hodgson & Rhodri Williams Presented by Waheeb A K Al-Azzani	Biomechanical Comparison of Titanium and Stainless Steel Locking Screws for Intramedullary Nailing by Ahmet Adnan Karaaslan, Ahmet Karakasli, Fatih Ertem & Hakan Aycan Presented by Ahmet Adnan Karaaslan	
Talk 3 starts at 16:06	MicroRNA-29 Mitigates Glucocorticoid-Induced Bone Loss and Marrow Adiposity by Feng-Sheng Wang,Yi-Chih Sun, Yu-Shan Chen & Jih-Yang Ko Presented by TBA	Investigating Patient Reported Outcomes in Foot and Ankle Surgery by Karam Ahmed, Mr A. Pillai & Mr K. Somasundaram Presented by Karam Ahmed	
Talk 4 starts at 16:09	Osteoblast-Specific MicroRNA-29a Ameliorates Estrogen Loss-Induced Osteoporosis by Yu-Shang Cheng, Feng-Sheng Wang, Yi-Chih Su & Jih-Yang Ko Presented by Tba	Assessment of Physical Function Following THA Requires More than PROMs by Stijn Bolink (On Behalf of the RESTORE collaborators) Lenguerrand E., Blom A.W. & Grimm B Presented by Stijn Bolink	

Talk 5 starts at 16:12	Knee Mal-Alignment and Hip Joint Pathology: an Observational Study by Jonathan Palmer, A Palmer, L Jones, S Glyn-Jones, W Jackson & A Price Presented by Jonathan Palmer	Assessing Patient Responsiveness Using Patient Reported Outcome Measures after Surgery by Adrian Sayers, Wylde V. , Lenguerrand E.1, Gooberman-Hill R., Dawson J., Beard D., Price A. & Blom A. W. Presented by Adrian Sayers	
Talk 6 starts at 16:15	Success of Masquelet's Technique Performed in a clinical Reality by Florella Gindraux, K. Oudina, A. Nallet, B de Billy, H. Petite & L. Obert Presnted by Florella Gindraux	User Variability of Acetabular Inclination In Total Hip Arthroplasty by Iain Bohler, Nazzef Malek & Andrew Vane Presented by Iain Bohler	
Talk 7 starts at 16:18	A Comparison of Mortality following Distal and Proximal Femoral Fractures by Robert Jordan, G Chahal, M Davies & K Srinivas Presented by Robert Jordan	The Effect of Previous Arthroscopy on Outcome in Knee Replacements by V.N. Gibbs, H.G.R. Lowdon & T. Barlow Presented by V.N. Gibbs	

Talk 8 starts at 16:21	Formulation of Calcium Pyrophosphate by Eirk Hughes, Richard Williams, Gurpreet Chouhan, Parastoo Jamshidi & Liam Grover Presented by Eirk Hughes	Diagonostics of the Heterotopic Ossification in Patients with Spinal Cord Injury by Vladyslav Povoroznyuk & Maryna Bystrytska Presneted by Vladyslav Povoroznyuk	
Talk 9 starts at 16:24	Arthroscopy is an Inadequate Gold Standard for Diagnosing Biceps Pathology by Robert Jordan & A Saithna Presented by Robert Jordan	Postoperative Bleeding Episodes after Primary Total Knee Replacement by Waheeb A K Al-Azzani, H.J. Iqbal, A.J. Thayaparan, S.P. White & M.C. Forster Presented by Waheeb A K Al-Azzani	
Talk 10 starts at 16:27	Comparison of Glenoid version Measurement using 2D and 3D CT by Ashley I. Simpson, R. Dattani & R.A. Sankey Presentation by Ashley I. Simpson	Impact of BMI And ASA Grade On Length of Stay Following Primary Total Knee Replacement by Waheeb A. K. Al-Azzani, H. J. Iqbal, Y. Al-Soudaine, A. J. Thayaparan, M. I. M. Suhaimi, S. Masud & S. P. White Presented by Waheeb A. K. Al-Azzani	

Talk 11 starts at 16:30	Title to be Annouced by Angela Oostlander, A.M. Moerman, A.A. Zadpoor, M.A.E. Schoeman, R.G.H.H. Nelissen & E.R. Valstar Presented by Angela Oostlander	Photoactive TiO2 Antibacterial Coating on Surgical External Fixation Pins by Stephane Descamps, G.Villatte, C.Massard ,C. Forrestier & K.O.Awitor Presented by Stephane Descamps	
Talk 12 starts at 16:33	30-day Mortality Stratified by the Nottingham Hip Fracture Score by Natalie Hope Presented by Natalie hope	Outcome of Fixation of Valgus Unstable Proximal Humeral Fractureswith a Novel Hybrid Fixed Angle Blade Plate Design by Cezary Kocialkowski & Chris Peach Presented by Cezary Kocialkowski	
Talk 13 starts at 16:36	30-day Mortality Stratified by the Nottingham Hip Fracture Score by Natalie Hope Presented by Natalie hope	Distal Femoral Fractures - 5-Year Mortality And Secular Trends by Piers Turner, Robert Nicholas Green & Narasimha Murty Aradhyula Presented by Piers Turner	

Talk 14 starts at 16:39	Trajectories of Symptomatic Recovery after Lower Limb primary Arthroplasty by Erik Lenguerrand, Vikki Wylde, Rachael Gooberman-Hill, Adrian Sayers, Paul Dieppe & Ashley W Blom Presented by Erik Lenguerrand	Assesment of Finger Sweilling after Shoulder Arthroscopy by Cezary Kocialkowski, Chris Peach & Nick Philips Presented by Cezary Kocialkowski	
Talk 15 starts at 16:42	Managing Acute Osteomyelitis and Septic Arthritis in Children: Is Clindamycin Still First-Line? by Ahmed Ezzat, Dr John Lovejoy & Dr Kenneth Alexander Presnted by Ahmed Ezzat	Fibrin Sealants and Tranexamic Acid in Primary Total Knee Arthroplasty by Jad Bou Monsef, Tom Schmidt-Braekling, Alejandro Gonzalez Della Valle, Michael Parks, Thomas Sculco & Friedrich Boettner Presented by Jad Bou Monsef	
Talk 16 starts at 16:45		One or Two-Stage Surgical Revision of Infected Hip Prosthesis: A Meta-Analysis by Setor K. Kunutsor, Michael R Whitehouse, Ashley W Blom & Andrew D Beswick Presented by Setor Kunutsor	

Talk 17 starts at 16:48		Outcome of the Unaffected Contralateral Hip in Unilateral SCFE by Atanu Bhattacharjee, R. Freeman, A. Roberts & N.T. Kiely Presented by Atanu Bhattacharjee	
	RESEARCH ROCKET 1 Denitsa Docheva & Bernd Grimm	**RESEARCH ROCKET 2** Mike Whitehouse & Richie Gill	**iPromEDA Workshop Cont.**
Talk 1 starts at 17:00	New protocols for Evaluation of Orthopaedic Biomaterials Compatibility by Michael Gasik Presented by Michael Gasik	Finite Element Analysis and its Uses in Complex Tibial Fractures by Robert Hurley, Mr Jamie Concannon, Dr Nicola Lally & Mr John P McCabe Presented by Robert Hurley	
Talk 2 starts at 17:02	Carbon Reinforced Carbon: Its Potential as Material for Orthopaedic Applications by Reto Lerf, Carolin Witt & Daniel Delfosse Presented by Reto Lerf	Calcium Phosphate / Carbon Cloth Hybrid Materials for Bone Regeneration by Quentin Picard, S. Delpeux, N.Rochet, J. Chancolon, F. Fayon & S. Bonnamy Presented by Quentin Picard	

Talk 3 starts at 17:04	In Vivo Fluoroscopic Analysis Of The Knee After TKA during ADL by S. Van Onsem, M. Verstraete, D. Lambrecht C. Van Der Straeten, W. Huysse & J. Victor Presented by S. Van Onsem	Effectiveness of the Cobb-Stainsby Forefoot Arthroplasty by Alex Matthews, N.A. Jagodzinski, M. Westwood, J. E. Metcalfe & K. T. Trimble Presented by Alex Matthews	
Talk 4 starts at 17:06	Tekscan Presure Measurement Accuracy for Orthopaedic Biomechanical Joint Contact Measurements by S. Herregodts, P. De Baets, J. Victor & M. Verstraete Presented by S. Herregodts	Retrospective Study of Fixation of Intracapsular Neck of Femur Fractures by Simon Woods Presented by Simon Woods	
Talk 5 starts at 17:08	Early Ultrasonography versus Late X-ray's in Occult Scaphoid Fractures by Michael-Alexander Malahias, G.C. Babis, M.-K. Kaseta, D. Chytas, S.-T. Kazas & V. S. Nikolaou Presented by Michael-Alexander Malahias	A Comparative Study of Ultrasound-Guided Injections in Palmar Aponeurositis by Michael-Alexander Malahias, G.C. Babis, M.-K. Kaseta, D. Chytas, S.-T. Kazas & V. S. Nikolaou Presented by TBA	

Talk 6 starts at 17:10	A new Ultrasound Scale Grading Carpal Tunnel Syndrome by Michael-Alexander Malahias, V.S. Nikolaou, I. Sourlas, D. Chytas, K. Chrysikopoulos & G.C. Babis Presented by TBA	Comparing Guided to Blind Dissolution of Supraspinatus Calcific Deposit by Michael-Alexander Malahias, G.C. Babis, M.-K. Kaseta, E. Chronopoulos, E. Fandridis & V.S. Nikolaou Presented by Michael-Alexander Malahias	
Talk 7 starts at 17:12	Effect of Antibiotic-Loaded SBA-15 Ceramic on Staphylococcus Aureus Biofilm by Anna Aguilar-Colomer, Juan Carlos Doadrio, Miguel Manzano, Jaime Esteban, Maria Vallet-Regí & Concepción Pérez-Jorge Presented by Jaime Esteban	Patient-reported outcome and experience measures for hallux-rigidus. Chilectomy vs Fusion by Karem Ahmed, Mr A. Pillai & Mr K. Somasundaram Presented by Karem Ahmed	
Talk 8 starts at 17:14	Pelvic radiographs for Diagnosis of Neck of Femur Fractures by Jasmine Medhora, Lily Li & Atef Hakmi Presented by Jasmine Medhora	FID119: hyaluronan photocrosslinked hydrogel for articular cartilage defects by Riccardo Beninatto, Carlo Barbera, Mauro Pavan, Devis Galesso, Elena Serena & Nicola Elvassore Presented by Riccardo Beninatto	

Talk 9 starts at 17:16	Antibiotic Release from Fluoride-TiO2 Nanostructured Anodic Layers on Ti6Al4V Alloy by John Jairo Aguilera-Correa1, Antonio L. Doardrio2, Ana Conde3, Maria-Angeles Arenas3, Juan J. de Damborenea3, Concepción Pérez-Jorge1, Maria Vallet-Regí2,4 & Jaime Esteban1 Presented by Jaime Esteban	Intramedullary nailing of adolescent clavicle fractures by Alexandra Aquilina, Khalis Boksh, Imran Ahmed, Christopher Hill & Giles Pattison Presented by Alexandra Aquilina	
Talk 10 starts at 17:18	Fracture Management in the Fracture Clinic: Simple Manipulation and Moulded Cast by Orthopaedic Plaster Technicians Avoids Need for Further Intervention by Andrew Roberton & Nimesh Patel Presented by Andrew Roberton	3D Modelling of UGent Knee Simulator by Matthias Verstraete, S. De Coninck, J. Smis, P. De Baets & J. Victor Presented by Matthias Verstraete	
Talk 11 starts at 17:20	Investigating PROMs of First Metatarsal Scarf+/- Akin Osteotomy for Hallux- Valgus by Karam Ahmed, A. Pillai & Mr K. Somasundaram Presented by Karam Ahmed	Anatomical considerations of the posterior interosseous nerve in lateral surgical approaches to the radial head – A Cadaveric study by Fucai Han & V Prem Kumar Presented by Fucai Han	

Talk 12 starts at 17:22	How Does Outcome Prediction in Knee Replacements affect Patient Decision-Making? By Timothy Barlow, Pat Scott, Damian Griffin & Alba Realpe Presented by Timothy Barlow	Audit On The Safety And Effectiveness Of The Targon Fn Plate In The Fixation Of Hip Fractures by Amirul Islam, Nazera Dodia & EMH Obeid Presented by Amirul Islam	
Talk 13 starts at 17:24	The Clinical Outcome Following Primary Total Knee Replacement in the Nonagenarian Population – A Retrospective Comparative Cohort Analysis by Daniel Skinner, Baha John Tadros, Edward Bray, Mohamed Elsherbiny & Giles Stafford Presented by Baha John Tadros	Fracture in the Elderly Multidisciplinary Rehabilitation (FEMuR) Feasibility Study by Jessica L. Roberts, Nafees Ud Din, Claire Hawkes, Val Morrison, Andrew Lemmey & Nefyn H Williams on behalf of the FEMuR team Presented by Jessica L. Roberts	
Talk 14 starts at 17:26	Preventing the Inflammatory Response to Cobalt Ions by Amy Mawdesley, Sami Anjum, Helen Lawrence, David Deehan, John Kirby & Alison Tyson-Capper Presenting by Amy Mawdesley	Biomechanical Assessment of a Novel Expandable Hip Screw versus Dynamic Hip Screw by Faith Ertem, Çağrı Havitcioglu, Mehmet Erduran & Hasan Havitcioglu Presenting by Faith Ertem	

Talk 15 starts at 17:28	Damage-Control Orthopaedics and Acute lung Injury: Is There a Benefit? By Alexander Aquilina & Imran Ahmed Presented by Alexander Aquilina	Trunnionosis in Metal on Polyethylene Uncemented Accolade-Trident Total Hip Replacements by Christopher Gee, Mr William Poole, Mr Dan Wilson, Mr James Gibbs & Mr Philip Stott Presented by Daniel Wilson	
Talk 16 starts at 17:30	Surgical Tourniquet and Cerebral Emboli: An Exploratory Observational Study by V.N. Gibbs, P.D Wall, A.P Sprowson, C.E Hutchinson, E. Ngandwe & A. Price Presented by TBA	Trauma and Orthopaedics (T&O) smartphone applications: A systematic review by Abdelaziz Elgindi & Mustafa Jafaar	
Talk 17 starts at 17:32	Comparison Clamping Drainage and Non-Clamping Drainage after Total Knee Replacement by Jimena Llorens de los Ríos, Manuel Angel Sandoval, Iván Pérez Coto, Susana Iglesias Fernández, Ana Escandón Rodruigruez & Daniel Hernández Vaquero	Online Curves: A quality analysis of scoliosis videos on YouTube by Peter Staunton, Joseph F Baker, James Green & Aiden Devitt Presented by Peter Staunton	

Talk 18 starts at 17:34	Effectiveness of Surgical Intervention For Adolescent Hallux Valgus by Oliver Beaumont, Aveek Mitra, Matthew Chichero & Sarah Irby Presented by Oliver Beaumont	Evaluation of Ultrasound-Guided Hydroneurolysis in Carpal Tunnel Syndrome by Michael-Alexander Malahais, G.C. Babis, E.O. Johnson, M.-K. Kaseta, D. Chytas & V.S. Nikolaou Presented by Michael-Alexander Malahais	
Talk 19 starts at 17:36	Daily Senoir Review and Documentation in Trauma and Orthopaedic Surgery by Alexandra Colby & Mr. S. Montgomery Presented by Alexandra Colby	Antegrade vs. Retrograde Femoral Nailing: An Audit of Clinical Practice by Raj R. Thakrar, Yaser Ghani, Amit Kotecha & Manoj Sikand Presented by Raj R. Thakrar	
Talk 20 starts at 17:38	Postoperative Change in the Size of the Medial Meniscus by Takayuki Furumatsu, Hiroto Inoue, Shinichi Miyazawa, Takaaki Tanaka, Masataka Fujii & Toshifumi Ozaki Presented by Takayuki Furumatsu	Evidence-Based Medicine: A Decade Apart Survey of Surgeons by Diarmuid De Faoite Presented by Diarmuid De Faoite	

Talk 21 starts at 17:40	Title to be Annouced by Gemme Green, Dr Yusuf Mirza & Professor Fares Haddad Presented by TBA	The Impact of the Economic Crisis on the Orthopaedic research in Greece by Vasileios Nikolaou, Dimitrios Chytas, Michael-Alexander Malahias & George Babis Presented by Michael-Alexander Malahia	
Talk 22 starts at 17:42	Absorbable Polydiaxonone Duture Provides Lesser Complications in Tendo-Achilles Rupture Repair by Muhammad Baig & Robert Dinn Presented by Tba	Changing Trends in the Fixation of Extracapsular Hip Fractures by Piers Page, Conrad Lee & Benedict Rogers Presented by Inram Ahmed	
Talk 23 starts at 17:44	An Unusual Case of Hip Pain in a Four year old Child by Metin Tolga Buldu & Mr. Raghu Raman Presented by Metin Tolga Buldu	Title to be Annouced by Inram Ahmed Presented by Inram Ahmed	
Talk 24 starts at 17:46	Mechanical Properties of Nanotextured Titanium Orthopedic Screws for Clinical Applications by Stephane Descamps, OK. Awitor, V Raspal, R Erivan & S Boisgard Presented by Stephane Descamps	The In Vivo Response of Calcium Sulfate of Different Purity by John Cooper, J. McKinnon, W. R. Walsh, R. A. Oliver, J.Rawlinson & C. Christou Presented by J. McKinnon	

Talk 25 starts at 17:48	Variability of Extraction Corkscrews: A biomechanical study by James W. A. Fletcher & Sam L. Evans Presented by James W. A. Fletcher	Ex-Vivo Organ Culture of the Porcine Femoral-Tibial Joint by Natalie Fox, Martin Stanley, Daniel Thomas, John Fisher & Eileen Ingham Presented by Natalie Fox	
Talk 26 starts at 17:50	Audit of transfusion rates in hip fractures by Nastaran Sargazi, E. Adamson & G.Cheung Presented by TBA	Time to Theatre: An Audit of Best Practice Tariff Attainment in Neck of Femur Fractures by Andrew Roberton, Nimesh Patel & Michael Hockings Presented by TBA	
Talk 27 starts at 17:52	Temporizing External Fixation of Calcaneus Fractures Prior to Plate Fixation by Brian M. Farrell, Carol A. Lin & Charles N. Moon Presented by Brian M. Farrell	Towards Robot Assisted Fracture Surgery for Intra-articular Joint Fractures by Ioannis Georgilas, Giulio Dagnino, Payam Tarassoli, Roger Atkins & Sanja Dogramadzi Presented by Ioannis Georgilas	

Talk 28 starts at 17:54	The role of CT in Assessing the Acute Elbow Dislocation by Robert Jordan, A Jones & S Malik Presented by Robert Jordan	Custom Anatomical 3D Printed Patient Specific ACL Femoral Tunnel Guide From MRI A Proof Of Concept Study by Mark Frame Presented by Mark Frame	
Talk 29 starts at 17:56	Acute Correction of INR for Patients Requiring Urgent Orthopaedic Surgery by Alexandra Colby & C. Butcher Presented by Alexandra Colby		
Conference Dinner			

	Friday		
	Great Hall	Council Chamber	Room 3
	Ashley NJR Update		
	HIP 4 Mike Whitehouse & Eduardo Garcia-Rey	**OUTCOMES 1** Enrique Gomez-Barrena & Adrian Sayers	**REGENERATION 2** Holger Jahr & Hasa Havitcioglu

Talk 1 starts at 09:30	An Open-Source Multi-Solver Validated Femur Model by A. R. MacLeod, H. Rose & H.S. Gill Presented by A. R. MacLeod	A Prospective Randomised Non-Inferiority Controlled Trial on Fifth Metatarsal Fractures by Pavil Akimau, W. Dakin, K. Cawthron, C. Chadwick, C. M. Blundell & M. B. Davies Presented by P.I. Akimau	Hyaluronan-Tyramine Hydrogels to Tailor Cellular Microenvironments for Tissue Engineering Applications by Claudia Loebel, Tino Stauber, Matteo D`Este, Mauro Alini, Marcy Zenobi-Wong & David Eglin Presented by Claudia Loebel
Talk 2 starts at 09:42	A Pathway for the Referral of Hip Metastases to the Orthopaedic Team at Guy's and St Thomas' Hospitals: A Clinical Audit and Service Evaluation by Andrew Roberton, Roland Walker, Zameer Shah, Marcus Bankes & Marc George Presented by Andrew Roberton	The Effect of Using Enhanced Visual Representation (EVR) of Procedure Based Assessment (PBA) on the Process of Surgical Training and Feedback by Basil Budair & Giles Pattison Presented by Basil Budair	Fracture Healing and Sclerostin Depletion (Level 5) by Mohammad M. Alzahrani & Reggie C. Hamdy Presented by Mohammad M. Alzahrani
Talk 3 starts at 09:54	Large Keyholes Improve Torsional Resistance of THR Acetabular Cement Mantles by Jan Gosiewski Presented by Jan Gosiewski	Can Running Be Reliably Quantfied in Patient Activity Monitoring? By Malid Alizai, Matthijs Lipperts, Rob Houben, Ide C. Heyligers & Bernd Grimm Presented by Matthijs Lipperts	Biomechanical Evaluation of 2.7mm versus 3.5mm Plating Constructs for AO/OTA Type B clavicle by Mohammad M. Alzahrani, Adam Cota, Khalid Alkhelaifi & Edward J Harvey Presented by Mohammad Alzahrani

Talk 4 starts at 10:06	The Influence of Physical Activity on Metal Ion Concentrations in Hip by Jetse Jelsma, R. Senden, M. Schotanus, N. Kort, I. Heyligers, B. Grimm Presented by Jetse Jelsma	Online versus Paper Follow-Up of Patient-Reported Outcomes - Response, Completion Rate and Reliability by Jeannot Mijnes, Ide C. Heyligers & Bernd Grimm Presented by B. Grimm	Cartilage Thickness and Bone Density are Related in Healthy Tibias by Brigitte Jolles-Haeberli, Vivien Meyer, Alessandro Cavinato, Pritish Chakravarty, Patrick Omoumi 7, Julien Favre Presented by Julien Favre
Talk 5 starts at 10:18	How Well Do We Control Acute Pain Following Total Hip Replacement? By Mohammad Salhab, DA Macdonald, Pete Kimpson, Jonathan Freeman, Todd Stewart & Martin Stone Presented by Mohammad Salhab	THA Patients are Not Much Less Active than Healthy Controls but Avoid Specific Events and Intensitie by Matthijs Lipperts, Rachel Senden, Ide C. Heyligers & Bernd Grimm Presented by Matthijs Lipperts	Autologous Bone Plug With Aci In Osteochondral Defects In Knee by Atanu Bhattacharjee HS McCarthy, B Tins, JH Kuiper, S Roberts & JB Richarson Presented by Atanu Bhattacharjee
Talk 6 starts at 10:30		Habitual Activity of Knee Arthroplasty Patients is Less than Healthy Controls Mainly for Demanding Tasks by Sonia Ahmadinezhad, Matthijs Lipperts, Rachel Senden, Ide C. Heyligers & Bernd Grimm Presented by Matthijs Lipperts	Microfracture versus Autologous Chondrocyte Implantation in Knee Cartilage Repair by Federica Francesca Masieri & Natalie Byles Presented byFederica Francesca Masieri
Break			

	BONE REPAIR AND REACTION Denitsa Docheva	**OUTCOMES 2** Bernd Grimm & Stijn Bolink	**SPINE AND UPPER LIMB 2** Gianluca Vadala & Richie Gill
Talk 1 starts at 11:00	Chemokine Receptor DARC is Associated with Aseptic Loosening of Total Joint Arthroplasty by Schneiderova Petra, Vasinek Michal, Dohnalek Pavel, Fillerova Regina, Kriegova Eva & Gallo Jiri Presented by Petra Schneiderova	Hyperglycemia Increases Serum Sclerostin Levels and Expression by Osteoblasts In-Vitro by M. Pereira, S. Gohin, P. Smitham, M. Oddy, I. Reichert & C. Chenu Presented by Ines Reichert	F.E. Modelling to Predict Non-Linear Fracture Behaviour of Vertebral by Pooya Mahmoodi, S.Gheduzzi & H.S.Gill Presented by Pooya Mahmoodi
Talk 2 starts at 11:12	The Effect of Cobalt on Inflammatory Cytokine and Adhesion Molecule Expression by Sami Anjum, Amy Mawdesley, Helen Lawrence, David Deehan, John Kirby, Alison Tyson-Capper Presented by Sami Anjum	Clay Gels Reduce the Effective Dose of Bone Morphogenic Protein by David Gibbs Presented by David M.R. Gibbs	Why is Diurnal Fluid Flow in the Intervertebral Disc Balanced? By Pieter-Paul, A. Vergroesen, Albert J. van der Veen, Kaj S. Emanuel, Jaap H. van Dieën & Theodoor H. Smit Presented by Pieter-Paul Vergroesen

Talk 3 starts at 11:24	Relationship of Vitamin D with Bone Mineral Density, Fracture Type and Social Deprivation in Neck of Femur Fractures by Emma Formoy, Ekemini Ekpo, Timothy Thomas, Cezary Kocialkowski, Anand Pillai Presented by Cezary Kocialkowski	Prosthetic joint infection: The INFORM Programme by Simon Strange, Andrew Beswick, Michael Whitehouse, Ashley Blom & The INFORM Study Group Presented by Andrew Beswick	Influence of Vertebral Deformation on the Vertebral Pain Syndrome by Vladyslav Povoroznyuk & Tetiana Orlyk Presented by Vladyslav Povoroznyuk
Talk 4 starts at 11:36	Relative Fracture Risk for Plating and Nailing in Displaced Tronchantaric fractures by A. R. Macleod, H. Rose, H.S. Gill Presented by A. R. MacLeod	Tibio-Popliteus Impingement After TKA: is Normalsized Actually Oversized? By Michel Bonnin, Matthias Verstraete, Tom Van Hoof, Catherine Van der Straeten & Jan Victor Presented by Arnoud de Kok	Lumbar Sagittal Alignment after Oblique Implanted Total Lumbar Disc Replacement by Eduardo Hevia, Juan Solaz, Carlos Barrios, Alberto Caballero & Jesus Burgos Presented by Eduardo Hevia
Talk 5 starts at 12:00	Bioactive Glass can Potentially Reinforce Large Bone Defects by Arts JJ, van Gestel NA, Arts JJ, Hulsen DJ, Geurts J, Ito K, van Rietbergen B. Presented by Arts JJ	30-day mortality stratified by the Nottingham Hip Fracture Score by Natalie Hope, Pieta Blake, Joanna Richards, Karen Barnard & Alan Macleod Presented by TBA	Pullout Strength of Different Distal Terminal Fixation Constructs in Thoracolumbar Spine Surgery. An in-Vitro Biomechanical study by Ahmet Karakaşlı, Eyad Sekik, Ahmet Karaaslan, Fatih Ertem, Ceren Kızmazoğlu & Hasan Havitcioglu Presented by Ahmet Karakaşlı

Talk 6 starts at 12:12	Radiological Assessment of Bone Remodeling Around the Uncemented Tritanium Acetabular Component by Arts JJ, ten Broeke RH, Rudolfina R, Geurts J. Presented by Arts JJ	Taylor Surgery on Survival Estimation. Comparison of Three International Patients Population Using Decision Analysis Tool by M. Silvia Spinelli, A. Piccioli, G. Maccauro, Jonathan A. Forsberg, Rikard Wedin & The Italian Bone Metastatic Study Group Presented by TBA	A Novel Experimentally Scoliosis Model Induced by Temporary Interpedicular tethering by Carlos Barrios, Rafael LLombart, Borja Maruenda, Juan Alonso, Jesús Burgos & José M. Lloris Presented by Carlos Barrios
Talk 7 starts at 12:24	Does Bone Remodelling Protect a Femoral Implant: Finite Element Analysis by Jacob Koris Presented by Jacob Koris	Preoperative Idespread Pain Sensitization and Chronic Pain After Joint Replacement by Vikki Wylde, Adrian Sayers, Erik Lenguerrand, Andrew Beswick, Rachael Gooberman-Hill, Mark Pyke, Paul Dieppe & Ashley W Blom Presented by Adrian Sayers	Magnetic Resonance Arthrography versus Arthroscopy for Assessment of Shoulder Dislocations by Robert Jordan Presented by Robert Jordan
Talk 8 starts at 12:36	Local Tissue Reaction in Total Hip Arthroplasty with Titanium Modular Neck by Dalila De Pasquale, Alina Beraudi, Susanna Stea, Massimiliano Baleani, Giovanni Guerra, Aldo Toni Presented by Dalila De Pasquale	Patient-Reported Outcome Measures And Return To Work In Trauma Patients by Samuel Folkard, Thomas Bloomfield, Piers Page, Dan Wilson, David Ricketts & Benedict Rogers Presented by S.S. Folkard	

Talk 9 starts at 12:48	Roughened Surface Improves Fixation in Uncemented Alumina-on-Alumina Total Hip Replacement by Eduardo Garcia-Rey, Rosario Madero & Enrique Gomez-Barrena Presented by Eduardo García-Rey	THA/TKA Patients are More Physically Active Than the General Population by J. M. T. A. Meessen, W.F. Peter, R. Wolterbeek, R.G.H.H. Nelissen & T.P.M. Vliet Vlieland Presented by J.M.T.A. Meessen, Msc	
Lunch			
13:30	**EORS Assembly**		
14:00	**Keynote Adddress By Kate Robson-Brown**		
	Knee 3 Ashley Blom & Mattias Lipperts	**General & Trauma** Nicola Baldini & Mike Whitehouse	
Knee 3 Talk 1 starts **General & Trauma**	A 15-year Follow Up of the Kinemax Total Knee Replacement by Andrew Grazette, Vikki Wylde, Samantha Dixon, Sarah Whitehouse, Ashley Blom & Michael Whitehouse Presented by Andrew Grazette	Central Pain Sensitisation and Radiographic Osteoarthritis after Total Joint Replacement by Vikki Wydle, Adrian Sayers, Adekoyejo Odutol, Rachael Gooberman-Hill, Paul Dieppe & Ashley Blom Presented by Adrian Sayers	

Knee 3 Talk 2 starts **General & Trauma**	Smoking Status and Prosthetic Joint Infection Following Total Joint Arthroplasty by Andrew Gonzalez, Ilker Uçkay, Pierre Hoffmeyer & Anne Lübbeke Presented by Andrew Gonzalez	Evaluation of NaproxenSodium and CodeinePhosphate Combination in Osteoarthritis by Kaya Akan, Ünal Ömer K, Poyanlı Oğuz Ş, Kemah Bahattin, Erinç Samet & Özturan Burak Presented by Kaya Akan	
Knee 3 Talk 3 starts **General & Trauma**	The Clinical Outcome of Unicompartmental Knee replacement in Octogenarians –A Retrospective Analysis by Baha John Tadros, Daniel Skinner, Mohamed Elsherbiny & Roy Twyman Presented by Baha John Tadros	Predicting Length of Stay in Arthroplasty Enhanced Recovery Programs by A. J. C. Vaughan, H. Arunachalam, Harold, B. Ayres, C. Eitel & M. Rao Presented by A. J. C. Vaughan	
Knee 3 Talk 4 starts **General & Trauma**	Paediatric Elbow: A Cross-sectional Study of Trochlea and Olecranon Ossification Centers by Dashan Angadi, M. Elbashir, M. Latimer Presented by Mohamed Elbashir	Biological In-Vitro Evaluation of Hyaluronic Acid Effect by Alonson Moreno, Ana Martínez, Susana Olmedillas, Santiago Bello & Fernando de Miguel Presented by Alonso Moreno	

Knee 3 Talk 5 starts **General & Trauma**	Local Infiltration Anaesthia (LIA) plus PainKwell Following Total Knee Arthroplasty by Mohammad Salhab, Pete Kimpson, Jonathan Freeman, Todd Stewart & Martin Stone Presented by Mohammad Salhab	αv Integrin Depletion on PDGFRβ+ Cells Regulates Skeletal Muscle Fibrosis by Iain R. Murray, Zaniah Gonzalez, John Iredale, Hamish Simpson, Bruno Peault & Neil C. Henderson Presented by Iain R Murray	
Knee 3 Talk 6 **General & Trauma**	Tranexamic Acid Administration in Total Knee Arthroplasty Without Tourniquet by Iain Bohler Presented by Iain Bohler	Outcomes following Surgery for Adolescent Hallux Valgus – A Systematic Review by Ziad Harb, Michail Kokkinakis, Hiba Ismail & Gavin Spence Presented by Ziad Harb	
Knee 3 Talk 7 **General & Trauma**	Timing of Prophylactic Antibiotics in Trauma and Orthopaedic Patients by Waheeb A K Al-Azzani, E. Harris, J. Wells, S. Shah, S. Mahbouba & S. P. White Presented by W A K Al-Azzani	The Orthopedic Trauma Surgery Practice: Is It Safe? (Level 3) by Mohammad M. Alzahrani, Saad M. AlQahtani by Edward J. Harvey Presented by Mohammad Alzahrani	

General & Trauma Talk 8 starts at 15:40	Knee Osteonecrosis: A Case Series with 6 Year Follow Up by Robert Jordan, P. Aparajit, C. Docker & M. El-Shazly Presented by Robert Jordan	Evolution Of Chemotherapy In Osteoarticular Tuberculosis by Pranay Bhushan & Dr Mathew Varghese Presented by Pranay Bhushan	
General & Trauma Talk 9 starts at 15:50	Does Accuracy of Ultrasound-Guided Corticosteroid Injection Predict Outcome in Pain and Function in Subacromial Impingement Syndrome? by P Raval, R Ogollah, A Hall, N Foster & E Roddy Presented by P. Raval	Markerless Motion Analysis and its Potential Uses in Orthopaedics by Robert Hurley & Aiden Devitt Presented by Robert Hurley	
General & Trauma Talk 10 starts at 16:00		External Validation of a Tool for the Estimation of Life Expectancy in Patients with Skeletal Metastases—Decision Analysis and Comparison of Three Major International Patient Populations by Silvia Spinnelli Presented by Silvia Spinnelli	