

EBJIS 2016 Programme

Time	Abstract no.	Title	Speaker	Abstract no.	Title	Speaker
1 September 2016 Room: South School			Room: East School			
7.00	Registration					
08:15-08:30	Welcome					
		Opening Ceremony	Martin McNally (Local Chair) Klaus Kirketerp-Møller (President, EBJIS)			Linked to South School
08:30-09:30	Key session 1: Where are we in Bone and Joint Infection? Society Supported Session, Supported by the British Infection Association		Chairs: Bridget Atkins & Charles Vogely			Linked to South School
	O1	Experimental studies on infection after osteosynthesis	Fintan Moriarty			
	O2	Prospects for whole genome sequencing for diagnostics	David Eyre			
	O3	Interactions between staphylococci, osteoblasts and osteoclasts – what do we know in 2016?	Frédéric Laurent			
09:30-10:40	Key session 2: Prosthetic Joint Infection Society Supported Session, Supported by the British Hip Society		Chairs: Fares Haddad (President BHS) & Matthew Scarborough			Linked to South School
	O4	Introduction to the scale and cost of the problem and direction of travel	Fares Haddad			
	O5	Biofilm biology and novel therapies in PJI	Jason Webb			
	O6	Antibiotic delivery in cementless revision	Ed McPherson			
	O7	DAIR – role and limitations	Roger Gundle			
10:40-11:15	Coffee		Posters/Exhibition	Coffee	Posters/Exhibition	
11:15-12:45	Free Papers A (6 min + 2 min)		Chairs: Heinz Winkler & Roger Gundle	Free Papers B (6 min + 2 min)	Chairs: Carlo Romano & Martin McNally	
	O8	Early surgical debridement in patients with suspected acute infection after hip or knee arthroplasty – safe, effective and without negative functional impact	Luís Barros	O19	Risk factors for the development of deep infection following hip fracture surgery: analysis of 2,822 consecutive patients	Richard Holleyman
	O9	Early prosthetic joint infection after total hip arthroplasty	Kjersti Kaul Jenssen	O20	Low-grade-infection in the pathogenesis of primarily aseptically classified nonunion of the lower extremity – based on tibial-shaft-nonunion	Simon Hackl
	O10	The unsuspected prosthetic joint infection: the incidence and consequences of positive intraoperative cultures in presumed aseptic knee and hip revisions	Anouk Jacobs	O21	Indications for and problems with bone-defect-reconstruction with the Masquelet-technique	Ulf-Joachim Gerlach
	O11	Survivorship and function of massive endoprostheses used in the management of peri-prosthetic joint infections around the hip and knee	Abtin Alvand	O22	Masquelet technique: a systematic review thirty years after its introduction	Ilaria Morelli
	O12	Normalization of inflammatory parameters between two stage revision of infected prosthesis are not predictive of success – is it still reasonable to continue to wait?	Pedro Barreira	O23	In vitro evaluation of lytic bacteriophage activity against methicillin-resistant Staphylococcus aureus (MRSA) biofilm	Tamta Tkhilishvili
	O13	Alpha-defensin test* for evaluation of periprosthetic joint infection	Irene Katharina Sigmund	O24	Gentamicin containing bone substitute to prevent infections during bone reconstruction surgery	Mindaugas Stravinskis
	O14	Alpha Defensin immunoassay for diagnosing PJI. A prospective study	Akos Zahar	O25	Association of TNF-α and lymphotoxin-α gene polymorphisms and susceptibility of extremity chronic osteomyelitis in Chinese population	Nan Jiang

	O15	Agreement between preoperative joint aspiration results and causative pathogens in patients with prosthetic hip and knee infections treated with a two-stage revision	Peter Declercq		O26	Role of preoperative bone biopsy in the microbiological diagnosis of lower extremity chronic osteomyelitis	Pablo Corona
	O16	Is there a relationship between perioperative positive cultures or positive leukocyte counting during exchange arthroplasty and postoperative infections?	Marta Ginesta Serrano		O27	Risk factors for recurrence of chronic posttraumatic osteomyelitis	Mauro Salles
	O17	Commercially pure dissolvable antibiotic beads: a clinical review of 756 cases of periprosthetic joint infection and aseptic revision arthroplasty	Edward McPherson		O28	Antimicrobial stewardship in the management of acute osteomyelitis and septic arthritis in children	Ahmed Ezzat
	O18	Multidrug resistant bacteria: an independent predictor of failure in periprosthetic joint infection	Scott Evans		O29	Bone transport for post-infectious segmental defects in children	Antonio Loro
12:45-14:00		Industry Symposium (12.50-13.50)	Lunch			Industry Symposium (12.50-13.50)	Lunch
14:00-15:10		Key session 3: Infection Networks and Registries	Chairs: Rhidian Morgan-Jones & Guenter Lob				Linked to South School
	O30	What can the registers tell us about infection and what can they not tell us?	Lars Engaeseter				
	O31	The UK perspective on regional infection networks and the fledgling Bone and Joint Infection Registry	Mike Reed				
	O32	Certification Process of MSI Units in Europe - key-factors - cornerstones - limits	Andreas Tiemann				
	O33	Title TBC	Andrej Trampuz				
15:15-15:50		Rapid Fire Papers 1 (3 min + 2 min)	Speaker			Rapid Fire Papers 2 (3 min + 2 min)	Speaker
	O34	Synovial calprotectin; a rapid test to diagnose a prosthetic joint infection	Marjan Wouthuyzen-Bakker		O41	Theatre door opening as a marker of theatre discipline and infection control: are standards slipping?	Scott Parker
	O35	Prospective, randomized comparison of one- versus two-stage bursectomy for moderate to severe septic bursitis	Benjamin Lipsky		O42	Influence of delay and temporary preservation conditions of bacteriological tissue samples on the diagnosis of bone infection: an experimental model	Olivier Cornu
	O36	Comparison of knee arthrodesis with Knee Arthrodesis Nail System and Femoro-Tibial Nail combined with ALAC spacer as salvage therapy for infected knee with bone defect	Ireneusz Babiak		O43	The influence of titanium and steel fracture fixation plates with different surface topographies on infection rates in a rabbit fracture model	Willem-Jan Metsemakers
	O37	A calcium sulphate / hydroxyapatite bone graft substitute eluting gentamicin in the treatment of diabetic foot osteomyelitis: a mid-term follow-up	Christine Whistock		O44	Application of next generation sequencing for the diagnosis of orthopaedic infection; an evaluation of four DNA extraction techniques	Leanne Cleaver
	O38	Risk reduction on PJI with S. Aureus eradication therapy in THA	Adriaan Thomas		O45	Cost-to-benefit evaluation of antibiofilm microbiological diagnostic techniques in orthopaedics	Maria Teresa Trentinaglia
	O39	Evaluation of the current trends and management of spinal infection	Stefanie Andrew		O46	Varying degrees of biofilm inhibition by gentamicin, vancomycin and daptomycin loaded acrylic cement: an in vitro model of cement periprosthetic infection	Herbert Gbejuade
	O40	Results of treatment of septic arthritis of the hip with an antibiotic-loaded cement spacer	Ernesto Muñoz-Mahamud		O47	Can we rely on histopathological results for the diagnosis of prosthetic joint infection?	Camille Fourcade
15:50-16:20		Coffee	Posters/Exhibition			Coffee	Posters/Exhibition
16:20-17:20		Key Session 4: Perioperative Care of the Infected Patient	Chairs: Mike Reed & Matthew Scarborough				
	O48	Optimisation of the infected patient prior to surgery	Alex Soriano				
	O49	Anaesthesia for complex bone infection patients: keep it simple	Svetlana Galitzine				
	O50	Good mental health for good physical outcomes: how we can help	Matthew Hotopf				
17:20-17:45		Cierny & Mader Lecture	Chair: Martin McNally				Linked to South School
	O51	Crossing Borders in Bone and Joint Infection Management	Carlo Romano				
18:15-19:45		Welcome Drinks, Natural History Museum					
20:00		Industry Sponsored Dinners, Free Evening					

7.45 Registration				
08:15-09:15	Key Session 5: Soft-tissue Management in MSK Infections Society Supported Session, Supported by British Association of Plastic, Reconstructive and Aesthetic Surgeons (BAPRAS)	Chairs: Alex Ramsden & Umraz Kahn		Linked to South School
	052 Improving outcomes in open fractures	Umraz Kahn		
	053 Using perforator flaps to cover defects with Chronic Osteomyelitis	JP Hong		
	054 Role of Plastic Surgeon in prosthetic joint infection	Alex Ramsden		
09:20-10:20	Key Session 6: Optimizing Outcomes in Osteomyelitis	Chairs: Andrew Brent & Geert Walenkamp		Linked to South School
	055 Preoperative assessment and planning in the management of post-traumatic osteomyelitis	Charalampos Zalavras		
	056 Patient-friendly surgery in Osteomyelitis	Martin McNally		
	057 From diagnostics to discharge planning: Getting It Right First Time	Bridget Atkins		
10:20-10:30	2015 Travelling Fellowship Report	Speaker TBC		Linked to South School
10:30-11:00	Coffee	Posters/Exhibition	Coffee	Posters/Exhibition
11:00-12:30	Free Papers C (6 min + 2 min)	Chairs: Charalampos Zalavras & Christof Wagner	Free Papers D (6 min + 2 min)	Chairs: Carlo Romano & Martin McNally
	058 Costs and remuneration of osteomyelitis treatment involving free flaps: implications of return to theatre	Janka Fazekas	069 The myth of surgical sterility: bacterial contamination of knee arthroplasty drapes	Scott Parker
	059 Antibiotic resistance profiles of surgical site infections in hip hemiarthroplasty; comparing low dose single antibiotic versus high dose dual antibiotic impregnated cement	Ben Tyas	070 Knee arthrodesis after prosthetic joint infection: are functional outcome and complication rates comparable with above-the-knee amputation?	Mario Morgenstern
	060 Prophylactic effect of an injectable hydroxyapatite / calcium sulphate biocomposite eluting antibiotic in the treatment of open fractures with plate	Damiano Papadia	071 Silver-coated megaprotheses of the proximal Tibia in patients with bone sarcoma: does silver prevent infection?	Arne Streitbuerger
	061 Treatment of chronic osteomyelitis of the lower limb with a new injectable, vancomycin-loaded, calcium sulfate / hydroxyapatite composite	Martin Glombitza	072 Intra-osteoblastic synergy of daptomycin with oxacillin and ceftaroline	Frédéric Laurent
	062 Radiographic and histological analysis of a synthetic bone graft substitute eluting gentamicin in the treatment of chronic osteomyelitis: a retrospective study in humans	Michael Diefenbeck	073 Global changes in Staphylococcus aureus gene expression during human prosthetic joint infection	Yijuan Xu
	063 AB-cemented interlocking in infected non-unions of lower extremity: 5 years follow-up	Oleg Bondarev	074 Treatment of infection after primary total hip arthroplasty in a university hospital	Olav Lutro
	064 External fixation using a locking plate: a reliable way in treating distal tibial post-traumatic osteomyelitis	Zhao Xie	075 Powder technology applied to the major acetabular bone loss: an innovative massive custom made acetabular component. Three years of follow-up for 13 patients	Gérard Giordano
	065 Novel calcium phosphate antibiotic carrier for bone healing with slow release properties	Siddhesh Angle	076 Epidemiology, clinical features and outcomes of native joint septic arthritis in adults in South Auckland, New Zealand	Stephen McBride
	066 Is an antibiotic-loaded hydrogel coating able to reduce early post-surgical infection after internal osteosynthesis?	Carlo Romano	077 Open versus arthroscopic treatment of acute septic arthritis of the native knee	Mark Loewenthal
	067 Efficacy of negative pressure wound treatment (NPWT) in the management of septic trauma cases	Laszlo Gergely Nöt	078 Positive MSIS Minor-criteria have an impact on the outcome of THA and TKA revisions: a matched-pair analysis	Kevin Staats
	068 Management of infectious fractures with "cement-plate complex" (CPC) method	Zhao Xie	079 Infection related readmissions following elective orthopaedic & trauma surgery - experience from a major trauma centre	Aaron Dean
12:30-13:45	Industry Symposium, 12.35-13.35	Lunch	Industry Symposium, 12.40-13.40	Lunch

13:45-14:45	Key Session 7: Treatment Approaches to PJI	Chairs: Adrian Taylor & Simon Warren	Key Session 8: Infection in the Foot & Ankle	Chairs: Mark Rogers & Elham Khatamzas
	O80 Treatment strategies in PJI of the Hip	Jason Webb	O83 Diagnosing diabetic foot osteomyelitis: contentious or consensus?	Benjamin Lipsky
	O81 The role of the ID Physician in treatment of PJI	Parham Sendi	O84 The management of diabetic foot chronic osteomyelitis with flaps	JP Hong
	O82 Patient-adapted treatment of an infected TKA: a Swiss Algorithm	Olivier Borens	O85 Internal Pedal Amputations	Armin Koller
14:45-15:20	Free Papers E (6mins+2mins)	Chairs: Jason Webb & Olivier Borens	Free Papers F (6mins+2mins)	Chairs: Armin Koller & Ben Lipsky
	O86 Antibiotic prophylaxis not indicated for dental procedures in patients with joint prostheses: a new Dutch guideline	Geert Walenkamp (9 mins +2 mins)	O90 Photodynamic therapy as an antimicrobial technique targeting bacterial strains common to orthopaedic infections	Simon Hislop
14:45-17:15 Country Delegates Meeting, Christof Wagner	O87 Functional Outcome of Debridement, Antibiotics and Implant Retention (DAIR) in hip peri-prosthetic joint infection - a case – control study	Marie-Ève Bolduc	O91 Audiovisual distraction as an adjunct to epidural anaesthesia in “awake” patients undergoing complex surgery for osteomyelitis	Svetlana Galitzine
	O88 Incise draping* is protective against surgical site contamination during hip surgery: a prospective, randomized trial	Antonia Chen	O92 Periprosthetic fungal infections, outcomes and predictive factors	Manpreet Sidhu
	O89 Prosthetic joint infections in Australia and New Zealand: the first 275 patients from the PIANO (Prosthetic joint Infection in Australia and New Zealand Observational) study	Joshua Davis	O93 Can sonication challenge aseptic vs PJI barrier	Boštjan Kocjancic
15:50-16:20	Coffee	Posters/Exhibition	Coffee	Posters/Exhibition
16:10-17:25	Free Papers G (6mins+2mins)	Chairs: Charles Vogely & Chema Lomascabeza	Free Papers H (6mins+2mins)	Chairs: Lorenzo Drago & Geertje Govaert
	O94 Inpatient systemic sepsis alert systems do not demonstrate utility after joint arthroplasty	Antonia Chen	O103 Calcium sulfate induced membrane in a rat femur critical-sized defect model: characteristics and differences from PMMA induced membrane in Masquelet technique	Yun-fei Ma
	O95 Diagnosis of persistent infection in prosthetic two-stage exchange: PCR analysis of sonication fluid from bone cement spacers	Sandrine Mariaux	O104 The role of preoperative asymptomatic bacteriuria in the development of periprosthetic joint infection of the hip	Gábor Skaliczki
	O96 Intraoperative microbiological investigation in prosthetic joint infections – sonication brings added value but is not a substitute for traditional sampling	Pedro Neves	O105 Indium -111 white-cell SPECT CT scan: an emerging imaging modality with great potential in bone and joint infection	D'jon Lopez
	O97 Influence of sonication on bacterial regrowth from antibiotic loaded PMMA scaffolds - an in-vitro study	Martin Clauss	O106 Rifampin combination therapy in early staphylococcal prosthetic joint infections: a randomized controlled trial	Øystein Espeland Karlsen
	O98 Stability over 6 weeks of antibiotics in aqueous solution at body temperature with and without initial heat treatment mimicking curing bone cement	Peter Wahl	O107 Post traumatic osteomyelitis of the femur or tibia: an evaluation of the clinical outcome, functional outcome, and quality of life	Khairul Rizal Zayzan
	O99 Hydrogel impregnation of bone chips allows prolonged cefazolin release	Guy Putzeys	O108 Monitoring the incidence of prosthetic joint infections in a complication registry	Tina Strømndal Wik
	O100 Radiographic remodeling patterns of a gentamicin-eluting hydroxyapatite / calcium sulfate biocomposite. Preliminary results from a large animal model	Werner Hettwer	O109 Activity of a gentamicin-loaded bone graft substitute against different bacterial biofilm by microcalorimetry	Maria Eugenia Butini
	O101 Postoperative infections after arthroscopic rotator cuff repair. Treatment and results in a prospectively registered cohort	Kjersti Kaul Jensen	O110 Utility of gene expression pattern of Toll-like receptors and IL-1/IL1R family for assessment of periprosthetic joint infection in total joint arthroplasty	Jiri Gallo
	O102 Internalization of Propionibacterium acnes by osteoblasts depends on P. acnes genetic background	Guillaume Aubin	O111 Infection after open fractures- time from trauma to surgical debridement is the key factor	Olivera Lupescu
17:25-18:45	General Assembly			
19:30-23:00	EBJIS Gala Dinner in Balliol College (welcome drinks at 19.30, dinner at 20.00)			

09:00-10:15	Key Session 9: Diagnosis and Imaging in Bone & Joint Infection	Chairs: Andrew Brent & Christof Wagner		
O112	Post traumatic osteomyelitis, pitfalls and best practices in nuclear medical imaging	Geertje Govaert		
O113	Ultrasound and MRI in the diagnosis of paediatric osteomyelitis	James The		
O114	Orthopaedic device related infection: time for a culture change?	Andrew Brent		
O115	The most reliable laboratory tests for PJIs: have we achieved a golden standard?	Lorenzo Drago		
10:15-10:45	Coffee	Posters/Exhibition		
10:45-12:25	12 Best Papers (6 min + 2 min)	Judges: Klaus Kirketerp-Møller, Charles Vogely, Bridget Atkins, Christof Wagner	Poster Judges: David Stubbs, Mike Reed, Konstantinos Malizos	
O116	Infected bone tissue decreases the penetration of cefuroxime	Louise Kruse Jensen		
O117	Infection after fracture fixation of the tibia: analysis of healthcare utilization and related costs	Willem-Jan Metsemakers		
O118	Post-operative blood glucose levels predicts PJI after primary total joint arthroplasty	Antonia Chen		
O119	Antibiotic-loaded hydrogel coating to prevent early post-surgical infection after joint arthroplasty. Results from a multi-center European trial	Carlo Romano		
O120	Patient-reported quality of life and hip function after revision of total hip arthroplasty due to chronic periprosthetic joint infection - an analysis of one-stage and two-stage revision	Ninna Rysholt Poulsen		
O121	Low incidence of P.acnes on the skin of patients undergoing primary shoulder arthroplasty	Anna Fraile Suari		
O122	Single-stage treatment of chronic osteomyelitis with a gentamicin-loaded, calcium sulphate / hydroxyapatite biocomposite: a prospective series of 100 cases	Martin McNally		
O123	Vancomycin displays time dependent eradication of mature Staphylococcus aureus biofilms	Peter Wahl		
O124	Adaptation of vancomycin-intermediate Staphylococcus aureus to intracellular compartment leading to bacterial reservoir responsible for chronic infection	Frédéric Laurent		
O125	Synovial fluid testing for the diagnosis of prosthetic joint infection – improving its diagnostic accuracy with simple and inexpensive biomarkers	Pedro Serrano		
O126	Operating room ventilation and risk of revision due to infection after primary total hip arthroplasty	Håkon Langvatn		
O127	Treatment concept and complication management in spinal infections with and without acute spinal cord injury (aSCI)	Martin Kreuzträger		
12:25-12:40	Closing Remarks & Prizes	Martin McNally Klaus Kirketerp-Møller		
12:40-14:00	Farewell Tea/Soup			