

EBJIS 2023 Programme



Thursday, 12 October 2023

Plenary Room: San Francisco | Parallel Session Room: Hall Sydney

07:30	Registration opens			
08:30-08:50	Opening Session: Welcome by EBJIS President and Local Chair	Alex Soriano & Martin Clauss		
08:50-09:30	Key session 1: From the beginnings of the AO foundation to modern treatment concepts in implant-related infections	Chairs: Alex Soriano & Martin Clauss		
	Historical Aspects	Olivier Borens		
	The Global Burden of BJI	Len Marais		
09:30-10:30	Key session 2: Biofilm and Beyond - Translation from In-vitro Data to In-vivo Strategies	Chairs: Richard Kühl & Fintan Moriarty		
	Phenotyping bacteria in the in-vivo environment	Dirk Bumann		
	Imaging and characteristics of bacterial biofilms	Knut Drescher		
	New biofilm concepts	Thomas Bjarnsholt		
10:30-11:00	Coffee break / Posters/ Exhibition			
11:00-12:30	Free Paper Session A: PJI (10 x 6 min + 2 min)	Chairs: Yvonne Achermann & Andrej Trampuz	Free Paper Session B: FRI (10 x 6 min + 2 min)	Chairs: Volker Alt & Christof Wagner
	Outcome of Prosthetic Joint Infection (PJI) is More Dependent on JS-BACH Classification than Treatment Method	Martin McNally	Fracture-related Infection: Prevalence and application of the new consensus definition in a cohort of 1004 surgically treated ankle fractures	Kristian Pilskog
	Incidence of rifampicin-resistance in staphylococcal periprosthetic joint infection: A single-center cohort study on 238 patients	Stergios Lazarinis	What is the effect of duration of infection on the success rate of Debridement, Antibiotics and Implant Retention in patients with a Fracture-Related Infection of the lower leg?	Michelle Buijs
	Prosthetic Joint Infections due to Candida spp.: a multicenter international observational study	Julie Lourtet	Outcomes of fracture-related infections – do organism, depth of involvement, and temporality count?	Janus Wong
	Hospitalizations due to prosthetic joint infection in Spain during the period 2000-2015	Joan Gómez-Junyent	Treatment and outcome of Fracture-Related Infection of the clavicle	Laura Bessems
	Infection after intracapsular femoral neck fracture – Does antibiotic-loaded bone cement reduce infection risk after hemiarthroplasty and total hip arthroplasty? – Data from the German Arthroplasty Registry	Dominik Szyski	Masquelet technique for infected segmental defects of long bones in a low-resource setting of sub-Saharan Africa: technical adaptations and outcome	Loïc Fonkoue
	Microbiologic Epidemiology of Hip Prosthetic Joint Infections in Elderly Patients Caused by Multidrug-resistant Gram-negative Bacteria: A Retrospective Cohort	Thomas Stravinkas Durigon	The clinical relevance of low-grade infection in the development and management of fracture-related nonunion	Katharina Trenkwalder
	Impact Of Positive Cultures During The Second Stage Of A 2-Stage Replacement. Systematic Review	Marta Sabater Martos	Debridement, antibiotics, irrigation, and implant retention in a sheep fracture-related infection model	Claudia Siverino
	Outcomes of Mega-Endoprosthesis in Lower Limb Periprosthetic Joint Infections: a case-control study	Chukwudubem Anibueze	Management and Outcome following Severe Osteomyelitis due to Pin Site Infections	Florian Frank
	Revision due to PJI increases risk of perioperative myocardial injury and death in comparison to primary and non-PJI revision arthroplasty	Martin Clauss	Closed-incisional negative pressure wound therapy in post-surgical management of bone and joint infections	Daniele De Meo
			A New Classification of Fracture-related Infection	Martin McNally

12:30-14:00		Lunch break / Posters/ Exhibition	
12:45-13:45	Industry Symposium A - See the full agenda here		Industry Symposium B - See the full agenda here
14:00-15:00	Key session 3: Animal Models in Biofilm Research	Chairs: Fintan Moriarty & Edward Schwarz	
	S. aureus invasion of the osteocyte lacunocanalicular network	Edward Schwarz	
	International consensus on basic science in bone and joint infection	Kordo Saeed	
	Humanised models of BJI	Gowri Muthukrishnan	
15:00-15:50	Free Paper Session C: Biofilm Basics / Animals (6 x 6 min + 2 min)	Chairs: Richard Kühn & Martin McNally	Free Paper Session D: Phages / Biofilm (6 x 6 min + 2 min)
	The role of macrophages and intracellular survival of Staphylococcus aureus – new insights from direct evaluation of human tissue samples	Benedict Morin	Bacteriophage therapy in orthopedic and cardiovascular surgery: Clinical experience in eight patients with difficult-to-treat infections
	Rethinking the Inoculum Used in Animal Models of Implant-Associated Osteomyelitis – The Formation and Application of Bacterial Aggregates	Katrine Top Hartmann	Synergistic Action of Bacteriophage and Vancomycin in a Co-delivery hydrogel for Localized Treatment of Fracture-Related Infection caused by Methicillin-resistant Staphylococcus aureus
	The Infected Polypropylene Mesh: Which Antiseptic Solution Most Effectively Removes Biofilm?	Alberto Carli	Antibacterial activity of new developed multielement nanogranular coatings
	Longitudinal Intravital Imaging to Quantify the “Race for the Surface” Between Host Immune Cell and Bacteria for Orthopaedic Implants with S. aureus Colonization in a Murine Model	Chao Xie	Novel antimicrobial coating on titanium with stable non-antibiotic quaternary ammonium compounds to prevent implant-associated infection
	Antibody-drug conjugate therapy against S. aureus implant-associated infection in a murine model	Nis Jørgensen	Noble metal-based antibacterial implant coatings for articulating implant surfaces
	Emerging roles of the long pentraxin PTX3 in Staphylococcus aureus-dependent osteomyelitis	Valentina Possetti	Short-term Celecoxib Promotes Bone Formation Without Compromising Antibiotic Efficacy in Early Orthopaedic Device-Related Infection: Evidence from a Rat Model
15:50-16:20	Coffee break / Posters/ Exhibition		
16:20-17:20	Key session 4: Diabetic Foot Infection and Diabetic Foot Osteomyelitis	Chairs: Ilker Uçkay & Marjan Wouthuyzen-Bakker	
	40 years of DFI/DFO: What have learned?	Eric Senneville	
	Surgery in DFO: Curing the infection and retaining the ability to walk	Javier Aragón Sanchez	
	Antibiotic Stewardship in DFI	Ilker Uçkay	
17:25-18:25	Industry Symposium C - See the full agenda here		Industry Symposium D - See the full agenda here
18:30-20:00	Welcome Reception at the conference venue (included in the registration fee)		

7.45	Registration opens			
08:30-09:30	Key Session 5: Antimicrobials	Chairs: Parham Sendi & Tristan Ferry	Key Session 6: Orthoplastic Surgery – From Split Skin to Tailored Tissue Engineering	Chairs: Rik Osinga & Martin McNally
	Shorter is better: Where are the limits?	Adrien Lemaigen	Get, set, go... and keep going. Setting up orthoplastics for acute fracture treatment to reduce the risk of bone infection	Sarah Tucker
	Bone penetration of antibiotics: What we know and don't know	Mats Bue	Orthoplastic Surgery Concept: How to? The BIPS approach	Rik Osinga
	Long-acting antibiotics (dalbavancin/oritavancin)	Alex Soriano	Soft-tissue reconstruction through ring fixateur: friend or foe?	Alex Ramsden
	Monitoring of adverse events: Do we get the overall picture?	Florent Valour	Periosteal flaps for osseous non-unions	Heinz Bürger
09:30-10:30	Key Session 7: Infection Prevention	Chairs: Yvonne Achermann & Rene Sigmund	EBJIS Journal: Journal of Bone and Joint Infection	
	Prevention from the point of view of the infectiologist	Tobias Kramer	Report and best papers	Parham Sendi
	Prevention in open fractures, timing of surgery in complex fractures	Mario Morgenstern	Results of MSIS survey	Andy Miller
	Prevention in immunosuppressed patients – point of view from a rheumatologist	Ulrich Walker		
10:30-11:00	Coffee break / Posters/ Exhibition		10.30-12.00	Country Delegates meeting (By invitation only) - Meeting room Rio
11:00-12:30	Free Paper Session E: Infection Prevention and Risk Factors (10 x 6 min + 2 min)	Chairs: Andy Miller & Parham Sendi	Free Paper Session F: Antimicrobials (10 x 6 min + 2 min)	Chairs: Anna Conen & Jaime Lora-Tamayo
	Antibiotic Prophylaxis for Endoprosthetic Replacements Implanted for Musculoskeletal Tumours: An International Survey of Practice	Tariq Azamgarhi	Amoxicillin in deep-seated samples – quantification of a delicate compound	Joana Erdmann
	Risk Factors for Fracture-related Infection After Ankle Fracture Surgery	Kristian Pilskog	Steady-State Piperacillin Concentrations in the Proximity of an Orthopedic Implant: A Microdialysis Porcine Study	Johanne Gade Lilleøre
	Bacterial reservoir in deeper skin is a potential source for surgical site and biomaterial-associated infections	Sebastian Zaat	Is délafloxacin a therapeutic option for bone and joint infections? a CRIOGO multicenter retrospective study	Stephane Corvec
	The ORACLE study: Open fracture Risks Associated with infection – a Cohort Longitudinal Evaluation study of 517 open fractures across 20 years	Janus Wong	Bone and soft tissue concentrations of penicillin - is oral penicillin V non-inferior to intravenous penicillin G?	Hans Christian Rasmussen
	Risk analysis of periprosthetic knee joint infection (PJI) in total knee arthroplasty after preoperative corticosteroid injection: a systematic review	Daniel Pérez-Prieto	Local antibiotic delivery via intra-articular catheter infusion for the treatment of periprosthetic joint infection: a systematic review	Sander Bruyninckx
	Risk factors and outcome of polymicrobial prosthetic joint infections compared to mono microbial: a single- institution revision of 536 patients	Ignacio Ortiz Martín	Struggling with a cefazolin impregnation protocol of bonechips. The effect of the timing of the impregnation and gamma irradiation on the cefazoline release	Olivier Cornu
	Can a Diabetic Foot Ulcer be prevented?	Madhu Tiruveedhula	Extended oral antibiotic prophylaxis – do the same criteria apply to patients undergoing aseptic revision arthroplasty?	Alberto Carli
	A 2-Stage Approach in Managing Diabetic Neuropathic Forefoot Ulcers.	Madhu Tiruveedhula	Monitoring and guidance of patients with prolonged antimicrobial therapy: filling the gap to improve quality of care	Denise Telgt
	Single-stage orthoplastic management of calcaneal osteomyelitis: an analysis of outcomes	Billy Down	Impact of antimicrobial suppression on long-term outcome of streptococcal periprosthetic joint infections	Maria Virginia Dos Santos
			Use of Dalbavancin to Facilitate Discharge in the Treatment of Bone and Joint Infections	Tariq Azamgarhi
12:30-13:45	Lunch break / Posters / Exhibition		12.30-14.00	Editorial board meeting of JBJI (By invitation only) - Meeting room Miami
12.35-13.35	Industry Symposium E - See the full agenda here		Industry Symposium F - See the full agenda here	

13:45-14:45	Key Session 8: The non-surgical burden of BJI	Chairs: Olivier Borens & Ricardo Sousa	Scientific projects from the EBJIS Country Delegates Group	Chairs: Charles Vogely & Christof Wagner
	Treatment of BJI – really expensive? Impact on public health	Martin Clauss	EBJIS Project – Country Delegates	Christof Wagner
	Specialised centers – are they really better? Outcome analysis	Lee M. Jeys	Septic Arthritis Guidelines	Jeroen Neyt & Christen Ravn
	The psychological impact of BJI: an underestimated aspect in the treatment of BJI	Nike Walter	Health economic burden of periprosthetic joint infections in Europe	Volker Alt
			Impact of positive cultures during the second stage of a 2-stage replacement	Marta Sabater
14:45-15:45	Free Paper Session G: Outcome and Quality of Life (7 x 6 min + 2 min)	Chairs: Rik Osinga & Charles Vogely	Free Paper Session H: Myco and Micro (7 x 6 min + 2 min)	Chairs: Marjan Wouthuyzen-Bakker & Parham Sendi
	Quality of life in osteomyelitis is significantly worse compared to other chronic diseases	Andrew Hotchen	Tuberculous Arthritis of Native Joints: A systematic review and EBJIS workgroup report	Leonard Marais
	Frame treatment improves quality of life in osteomyelitis, but only after a period of significant impairment.	Florian Frank	The prevalence of mycobacteria in bone and joint samples at a tertiary orthopaedic centre in a setting with a low burden of tuberculosis disease	Antonia Scobie
	Direct hospital costs per case for periprosthetic hip and knee joint infection in Europe – A systematic review	Dominik Szymiski	Microbiological Profile Changes in Sequential Revision Hip and Knee Arthroplasty for Prosthetic Joint Infection	Robert McCulloch
	Analysis of multidisciplinary team decision adherence in complex bone, joint and arthroplasty infections	Jaap Hanssen	Clinical Outcome And Microbiological Analysis Of Unexpected Positive Intraoperative Cultures In Presumed Aseptic Knee and Hip Revision Arthroplasty – A ten year Retrospective Analysis with a Minimum Follow-Up Of Two Years	Sebastian Simon
	What Can They Expect? Decreased Quality of Life and Increased Postoperative Complication Rate in Patients with a Fracture-Related Infection of a Long Bone Fracture	Michelle Buijs	Does improvement in preanalytics lead to increased culture yield in patients with periprosthetic infections?	Juliane Käschner
	The national infection control program PRISS, had no effect on postoperative infections after primary total hip arthroplasty in Sweden	Peter Wildeman	Is an isolated positive sonication fluid culture in revision arthroplasties clinically relevant?	Marjan Wouthuyzen-Bakker
	Quality of life and Mortality in Patients Waiting for an Operation for Bone and Joint Infection	Andrew Hotchen	Molecular Epidemiology of community onset methicillin-resistant Staphylococcus aureus causing skin and musculoskeletal infections: an alarming antimicrobial resistance scenario	Stefânia Bazanelli Prebianchi
15:45-16:15	Coffee break / Posters/ Exhibition			
16:15-17:15	Free Paper Session I: Diagnostics 1 (7 x 6 min + 2 min)	Chairs: Ilker Uçkay & Matteo Ferrari	Free Paper Session J: Diagnostics 2 (7 x 6 min + 2 min)	Chairs: Nora Renz & Christen Ravn
	Bony sequestrum in chronic osteomyelitis: characteristic on 18F-FDG-PET-CT images.	Ahmed Elsheikh	The predictive value and reliability of ultrasound-guided biopsies for diagnosing periprosthetic shoulder infections	Denise Telgt
	Novel diagnosis marker of periprosthetic joint infection: -A systematic review	Melanie Schindler	The value of preoperative ultrasound-determined fluid film and joint aspiration prior to revision total hip arthroplasty for the diagnosis of periprosthetic hip joint infection	Jennyfer A Mitterer
	Calprotectin: an important synovial marker for the diagnosis of periprosthetic joint infection	Stephane Corvec	Genome-based analysis of virulence factors of the genus Cutibacterium isolated from implant-associated infections in Slovenia	Anja Erbeznik
	Evaluation of an upgraded synovial calprotectin lateral flow assay in unclear cases of hip and knee prosthetic joint infections	Susana Gardete-Hartmann	Improving the diagnosis of bone and joint infections : evaluation of 16S rDNA targeted metagenomics	Tiphaine Roussel-Gaillard
	Inferior diagnostic performance of serum Albumin-Globulin-Ratio in periprosthetic joint infection	Markus Luger	What is the agreement between principles and practice of antibiotic stewardship in the management of diabetic foot infections?	Noémie Reinert
	Plasma Fibrinogen is a Promising First-line Screening Biomarker for the Diagnosis of Periprosthetic Joint Infection and Timing of Reimplantation: A Multicenter Retrospective Study	Hang Fang	To sonicate or not to sonicate?	Anne Brun Hesselvig
	Synovial fluid viscosity with synovial fluid cell count: a highly sensitive and specific diagnostic tools of prosthetic joint infections	Samo Roskar	Does high bacterial load in sonication of mobile parts predict failure after DAIR in prosthetic joint infections?	Loris Oehen
17:30-18:45	EBJIS General Assembly – Meeting room Rio For EBJIS members, by invitation only			
19:30	EBJIS Conference Dinner at Restaurant Safran Zunft Basel (Admission by pre-booked ticket only) (Address: Gerbergasse 11)			

08:30-09:00 **Travelling Fellowship Report** **Chair: Ricardo Sousa**

Presented by:
 Marianna Faggiani, Italy
 Mats Bue, Denmark
 Marti Carles Bernaus Johnson, Spain
 Wout Veltman, Netherlands

09:00-10:00 **Key Session 9: From Culture-Negative to MDR - Challenges** **Chairs: Len Marais & Christen Ravn**

Infection mimikers	Parham Sendi
Osteomyelitis after gun and war injuries	Maritz Laubscher
MDR bacteria in bone and joint infections	Efthymia Giannitsioti

10:00-10:30 **Coffee break / Posters/ Exhibition**

10:30-12:00 **Best Papers Session (10 x 6 min + 2 min)** **Chairs: Irene Sigmund & Alex Soriano**

Prevention of prosthetic joint infection using electrical fields. Proof of concept in an experimental in vivo model	Marti Bernaus
Implant retention in a rabbit model of delayed fracture-related infection: Successful eradication but impaired bone bone healing compared to early infection	Jan Puetzler
May local vancomycin incorporated into bone substitute increase plasma concentrations of vancomycin in patients with osteomyelitis and influence the need to perform more frequent dosage adjustments?	Roger Rojas-Sayol
Towards preoperative diagnosis of infected nonunion of femur or tibia with targeted proteomics in blood plasma	Ferdinand Weisemann
DAIR to Stop: Suppressive antibiotic treatment after 12 weeks of therapy is not beneficial for acute periprosthetic joint infections	Marjan Wouthuyzen-Bakker
Biofilm of Cutibacterium acnes: target of different active substances	Stephane Corvec
Sepsis in Periprosthetic Joint Infections - Epidemiology, Risk Factors, and Outcomes	Susanne Bärtl
Mental health and experienced physical & psychological impairment in patients with musculoskeletal infections	Katinka Wetzel
Extended antimicrobial prophylaxis does not improve outcome of unexpected PJI: A randomized controlled trail	Karin Veerman
Development and validation of a synthetic synovial fluid model as diagnostic tool for biofilm-related prosthetic joint infections	Amber De Bleeckere

12:00-12:30 **Honorary lecture: The development of the treatment algorithm in PJI** **Chairs: Martin Clauss & Ricardo Sousa**
Speakers: Peter Ochsner & Werner Zimmerli

12:30-12:45 **Closing Remarks & Prizes**

12:45-14:00 **Farewell lunch with a local flavour**