Agenda

All meeting spaces are located directly behind the security desk in Jefferson Alumni Hall, 1st Floor. Upon arrival, go to the right of the security desk and look for the MSIS registration table.

Friday, July 27, 2018

12:00 p.m.	Registration Opens
1:00 p.m.	Visit Exhibitors and ePosters
1:15–1:55 p.m.	MSIS Business Meeting – MSIS Members Only
2:00–2:09 p.m.	Welcome, Disclosures – Antonia F. Chen, MD, MBA
2:10–3:23 p.m.	Carl L. Nelson Lecture International Panel Discussion on Periprosthetic Joint Infection Moderator: Antonia F. Chen, MD, MBA
	Chile: Claudio Diaz, MD
	China: Yixin Zhou, MD, PhD
	Mexico: Salvador Rivero–Boschert, MD
	New Zealand: Kelly Vince, MD
	Slovenia: Rihard Trebše, MD
	South Africa: Richard Kyte, MD
	Taiwan: Yuhan Chang MD, PhD
	Basic Science: Noreen Hickok, PhD
3:24–3:45 p.m.	Refreshment Break – Visit Exhibitors and ePosters
Session I	Antimicrobials and Total Joint Arthroplasty Moderators: Brian A. Klatt, MD and Barry D. Brause, MD
3:46–3:52 p.m.	Single vs. Multiple Doses of Prophylactic Antibiotics in Orthopaedic Surgery: A Meta–Analysis – Sean Ryan, MD
3:53–3:59 p.m.	Perioperative Antibiotic Prophylaxis in Total Joint Arthroplasty: A Single Dose is as Effective as Multiple Doses – <i>Timothy L. Tan, MD</i>
4:00–4:06 p.m.	Extended Perioperative Antibiotic Prophylaxis Confers no Additional Benefit Following Aseptic Revision Total Hip Arthroplasty <i>Feng–Chih Kuo, MD</i>
4:07–4:13 p.m.	Assessing the Role of Daptomycin as Antibiotic Therapy for Staphylococcal Prosthetic Joint Infection – <i>Michael W. Henry, MD</i>

4:13–4:19 p.m.	Discussion
4:20–4:26 p.m.	Intraoperative Prophylactic Techniques for the Prevention of Periprosthetic Joint Infection in Primary Total Joint Arthroplasty: A Systematic Review and Meta–Analysis – <i>Elie Ghanem, MD</i>
4:27–4:33 p.m.	Effect of Antibiotic–Impregnated Bone Cement on Postoperative Infections in Primary Total Knee Arthroplasty – <i>Hiba Anis, MD</i>
4:34–4:40 p.m.	Longer Operative Time Results in a Higher Rate of Subsequent Periprosthetic Joint Infection in Patients Undergoing Primary Joint Arthroplasty <i>Irene Kalbian, BS</i>
4:41–4:47 p.m.	Antibiotic Resistance Increases During Treatment of Prosthetic Joint Infection <i>Cierra S. Hong, BA</i>
4:48–4:54 p.m.	Discussion
4:55–5:00 p.m.	Hall of Fame Induction – Jon T. Mader, MD Awarded Posthumously
5:00 p.m.	Adjourn
Saturday, July 28, 2018	
6:30 a.m.	Registration Opens
6:45 a.m.	Continental Breakfast
6:45–7:45 a.m.	Morning Symposium – Center Atrium
Session II	Basic Science and Antimicrobial Delivery Moderators: Thorsten Seyler, MD and Maja Babic, MD
7:50–7:56 a.m.	PNDJ Hydrogel for Local Antimicrobial Delivery is Not Systemically Toxic <i>Alex C. McLaren, MD</i>
7:57–8:03 a.m.	Injectable Derivatized Chitosan Paste Local Delivery System Elutes Antimicrobials for 7 Days – <i>Logan R. Boles, BS</i>
8:04–8:10 a.m.	Development of a Rabbit Model of Femoral Peri–Implant Osteomyelitis Peter Alexander, PhD
8:11–8:17 a.m.	Toward Translational Treatments for the Infected Implant: A Novel Mouse Model of Revision Arthroplasty for PJI – <i>Chad Ishmael, MD</i>
8:18–8:24 a.m.	Discussion

8:25–8:31 a.m.	Investigating the Efficiency of Using Bacteriophage as a Potential Therapeutic Adjunct to Antibiotics for Peri–Prosthetic Joint Infection <i>Mariam Taha, PhD</i>
8:32–8:38 a.m.	The Osteocyte as a Target Cell and Disease Nidus in Periprosthetic Joint Infection – <i>Professor Gerald J. Atkins</i>
8:39–8:45 a.m.	Zoledronic Acid Increases Bacterial Burden and Infection Rate in a Validated Mouse Model of Implant Infection – <i>Peter Hsiue, MD</i>
8:46–8:52 a.m.	Polymyxin and Bacitracin in the Irrigation Solution: There is No Role for This Practice – <i>Karan Goswami, MD</i>
8:53–8:59 a.m.	Acinetobacter Inhibits Osseointegration by Inducing Inflammatory Osteolysis: Role of Quorum Sensing – <i>Edward M. Greenfield, PhD</i>
9:00–9:06 a.m.	Discussion
9:07–9:30 a.m.	Refreshment Break – Visit Exhibitors and ePosters
9:31–10:35 a.m.	 Symposium: Single–stage Treatment of Infected Fractures and Osteomyelitis Moderator: Barry D. Brause, MD Dr. Martin McNally Lead Surgeon Oxford Bone Infection Unit Nuffield Orthopaedic Centre Oxford University Hospitals Honorary Senior Lecturer Oxford University President, European Bone and Joint Infection Society Dr. Matthew Scarborough Consultant in Clinical Infection Oxford University Hospitals NHS FT
Session III	Periprosthetic Joint Infection Moderators: Carlos Higuera–Rueda, MD and Sandra B. Nelson, MD
10:36–10:42 a.m.	Periprosthetic Joint Infection in Patients with Multiple Arthroplasties: Investigate Other Joints? – <i>George A. Komnos, MD</i>
10:43–10:49 a.m.	Total Joint Arthroplasty in Patients with History of Treated Same–Joint Septic Arthritis: A Multi–Center Investigation of Incidence and Risk Factors for Periprosthetic Joint Infection – <i>Assem Sultan, MD</i>

10:50–10:56 a.m.	Total Hip Arthroplasty after Prior Acetabular Fracture: Infection is a Real Concern – <i>Matthew Kheir, MD</i>
10:57–11:03 a.m.	Outcomes of Knee Periprosthetic Joint Infection Reconstruction Treated with Hinged Prosthesis – <i>Michael Chen, MD</i>
11:04–11:10 a.m.	Total Knee Arthroplasty Megaprosthesis in Non–tumor Patients–Are Septic Indications Worth the Effort? – <i>Carlos Higuera–Rueda, MD</i>
11:11–11:21 a.m.	Discussion
11:22–11:28 a.m.	Articulating Spacers as a Modified One–Stage Revision TKA: A Preliminary Analysis – <i>Ahmed Siddiqi, DO</i>
11:29–11:35 a.m.	The Infected Spacer: The Impact of Spacer Exchanges and Debridement on Two–Stage Exchange Arthroplasty Outcomes <i>Andy O. Miller, MD</i>
11:36–11:42 a.m.	Negative Cement Spacer Sonication is Associated with Successful Reimplantation in Multi–Stage Revision for PJI – <i>Jason P. Zlotnicki, MD</i>
11:43–11:49 a.m.	Defining Treatment Success after Two Stage Exchange Arthroplasty for Periprosthetic Joint Infection – <i>Alexander J. Rondon, MD</i>
11:50–11:59 a.m.	Discussion
12:00–12:59 p.m.	Luncheon Symposium – Center Atrium
Session IV	Diagnostics and Cultures Moderators: Aaron J. Tande, MD and Antonia F. Chen, MD, MBA
1:00–1:06 p.m.	The Journey of a Culture: From Operating Room to Final Report <i>Matthew Kheir, MD</i>
1:07–1:13 p.m.	An Enhanced Understanding of Culture–negative Periprosthetic Joint Infection with Next Generation Sequencing – Karan Goswami, MD
1:14–1:20 p.m.	Organism Profile Causing Periprosthetic Joint Infection: is this Different in Total Hip Versus Total Knee Arthroplasty? – <i>Hannah Groff, BA</i>
1:21–1:27 p.m.	Propionibacterium acnes is Less Commonly Identified by Next Generation Sequencing than Culture in Primary Shoulder Surgery Surena Namdari, MD, MSc
1:28–1:34 p.m.	Discussion

1:35–1:41 p.m.	Fibrinogen and Alpha 2 Macroglobulin are Promising Serum Biomarkers to Diagnose and Monitor Periprosthetic Joint Infection <i>Sreeram Peena, MD</i>
1:42–1:48 p.m.	Diagnostic Accuracy of Alpha–Defensin Test at Reimplantation of a Two–Stage Revision for Periprosthetic Joint Infection Linsen T. Samuel, MD, MBA
1:49–1:55 p.m.	The Diagnostic Accuracy of the Alpha Defensin Lateral Flow Test Kit in Asians – <i>Benjamin Ding, MBBS, MRCS (Edin)</i>
1:56–2:02 p.m.	Diagnostic Accuracy of the Alpha–defensin for Periprosthetic Joint Infection in Patients with Inflammatory Diseases – <i>Alison Klika, MS</i>
2:03–2:09 p.m.	ESR and CRP Have A High Discordant Rate in PJIs – Joshua Bingham, MD
2:10–2:16 p.m.	Discussion
Session V	Biofilms and Acute and Chronic PJI Management Moderators: Alex C. McLaren, MD and Andy O. Miller, MD
2:17–2:23 p.m.	Staphylococcus Aureus Carriage Rates are Higher in Rheumatoid Arthritis Patients on Biologics – <i>Andy O. Miller, MD</i>
2:24–2:30 p.m.	Is it Time to Rethink the IWGDF/IDSA Classification System for Diabetic Foot Infections? – <i>Easton Ryan</i>
2:31–2:37 p.m.	Greater Knee Soft Tissue Thickness Predisposes Patients to Subsequent Periprosthetic Joint Infection after Total Knee Arthroplasty Antonia F. Chen, MD, MBA
2:38–2:44 p.m.	Risk Adjustment is Necessary in Value–Based Outcomes Models for Infected Total Hip Arthroplasty – <i>Anthony J. Boniello, MD</i>
2:45–2:51 p.m.	Discussion Refreshments available in Right Wing of Atrium – please help yourself quietly
2:52–2:58 p.m.	MagDAA with Magnetic Hyperthermia Successfully Disrupts Bacterial Biofilm–A Potential Treatment for PJI– <i>Carlos Higuera–Rueda, MD</i>
2:59–3:05 p.m.	Control of Pseudomonas aeruginosa and Staphylococcus aureus Biofilms Grown on Implant Materials Using Antibiotic Loaded Absorbable Beads Paul Stoodley, PhD
3:06–3:12 p.m.	In Vivo Bioluminescence Imaging in a Rabbit Model of Orthopedic Implant– Associated Infection to Monitor Efficacy of an Antibiotic–Releasing Coating John M. Thompson, MD

3:13–3:19 p.m.	Non–Invasive Detection of Gram Positive and Gram Negative Bacteria with Single Fluorescent–Linked Probe in Mouse Model of Spine Implant Infection <i>Chad Ishmael, MD</i>
3:20–3:33 p.m.	Discussion
3:34–3:40 p.m.	Increased Failure after Irrigation and Debridement for Acute Hematogenous PJI – <i>Noam Shohat, MD</i>
3:41–3:57 p.m.	Implant Survivorship in Prosthetic Joint Infection with Retained Prostheses – <i>Michael W. Henry, MD</i>
3:58–4:04 p.m.	Positive Blood Cultures are Associated with Decreased Treatment Success in Acute Hematogenous Periprosthetic Joint Infection – <i>Feng–Chih Kuo, MD</i>
4:05–4:11 p.m.	Changing Trends, Risk Factors, and Treatment Challenges in Staphylococcus aureus Septic Arthritis – <i>Kenneth L. Urish, MD, PhD</i>
4:12-4:18 p.m.	Reevaluating Success in Treating Chronic Periprosthetic Joint Infections in Total Hip Arthroplasty? – Karan Srivastava, MD, MBA
4:19–4:25 p.m.	Do All Patients Undergo Reimplantation after Resection Arthroplasty of an Infected Knee and Hip? – <i>Qiaojie Wang, MD</i>
4:26–4:32 p.m.	Reconsidering the Strategies to Manage Chronic Periprosthetic Total Knee Infections: Using Analytics to Find the Optimal Strategy between One–Stage and Two–Stage Total Knee Revision – <i>Karan Srivastava, MD, MBA</i>
4:33–4:39 p.m.	The Presence of Sinus Tract Adversely Affects the Outcome of Treatment of Periprosthetic Joint Infections – <i>Chi Xu, MD</i>
4:40–4:50 p.m.	Discussion
4:51–5:10 p.m.	Poster Session
5:11–5:20 p.m.	Introduction of Incoming President: Barry D. Brause, MD Antonia F. Chen, MD, MBA
5:21–5:26 p.m.	Awards The Jon T. Mader Award The Jeanette Wilkins Award The Poster Award
5:27–5:30 p.m.	Closing Remarks, Adjourn