




MUSCULOSKELETAL INFECTION SOCIETY - MSIS

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## 2013 Program

### 23rd Annual Open Scientific Meeting of MSIS August 2 & 3, 2013

Dorrance H. Hamilton Building, Thomas Jefferson University Campus

#### Friday--August 2, 2013

6:30	7:30 a.m.	Breakfast and Registration – Visit Corporate Partners
7:30	7:45 a.m.	Welcome, Disclosures Javad Parvizi, MD – President
7:45	8:30 a.m.	International Consensus Meeting (ICM) Report Thorsten Gehrke, MD Javad Parvizi, MD
8:00 am	5:00 p.m.	<u>Posters</u>
8:30	10:00 a.m.	Basic Science Scientific Paper Presentations Moderators: Noreen Hickok, MD and Carl Deirmengian, MD
8:30	8:36 a.m.	Intraoperative Dip-coating with Hydrophobic Polycations Inhibits Biofilms and Supports Bone Healing In an Infection Osteotomy Model – Thomas Schaer, MD
8:37	8:43 a.m.	<u>Bioavailability of Gentamicin and Vancomycin Released from Bone Cement In Patients Undergoing a Septic One-Stage THA Revision – Daniel Kendoff, MD</u>
8:44	8:50 a.m.	<u><sup>68</sup>Ga-DOTA-Siglec-9 PET Imaging Detects Biomaterial Infection caused by S. Epidermidis – Hannu T. Aro, MD</u>
8:51	8:57 a.m.	<u>The Effect of Pathophysiologic Glucose Concentration on Biofilm Growth In Vitro – Ryan McLemore, MD</u>
8:58	9:31 a.m.	Discussion
9:14	9:20 a.m.	<u>Resorbable Hydrogel Provides Effective Anti-Bacterial Coating of Implants In Vitro and In Vivo – Carlo Luca Romano, MD</u>
9:21	9:27 a.m.	<u>GD-DTPA is a Good Antimicrobial Surrogate for In Vivo Imaging Ryan McLemore, MD</u>
9:28	9:34 a.m.	<u>The Biocompatibility of Vancomycin Containing PLLA/β-TCP Composite and Its Role In Implant Related Osteomyelitis Feza Korkusuz, MD</u>
9:35	9:41 a.m.	<u>Early Detection of Biofilm by Measuring the Impedance between Interdigital Electrodes – David Jahoda, MD</u>
9:42	9:48 a.m.	<u>Antimicrobial Delivery from Resorbable Temperature-Responsive Hydrogels Are Effective at Controlling Infection Derek Overstreet, PhD</u>
9:48	10:00 a.m.	Discussion
10:00	10:30 a.m.	Refreshment Break – Visit Corporate Partners
10:30	12:00 p.m.	Management of Periprosthetic Infection: Emerging Evidence Moderators: William Hozack, MD and Mark Spangehl, MD
10:30	10:50 a.m.	Prevention of Surgical Site Infection: CDC Guidelines Sandra J. Berrios-Torres, MD
10:50	11:05 a.m.	Operative Room Environment (Laminar Flow/Ultraviolet) Kelly George Vince, MD
11:05	11:20 a.m.	Perioperative Antibiotics – Markus Vogt, MD
11:20	11:35 a.m.	Diagnosis of PJI – Carl Deirmengian, MD
11:35	12:00 p.m.	Discussion
12:00	1:00 p.m.	Luncheon – Visit Corporate Partners
12:00	1:00 p.m.	Clinical Scientific Paper Presentations Moderators: Paul Holtom, MD and Stefano Bini, MD
1:00	2:30 p.m.	<u>Sonication for Enhanced Diagnosis of Prosthetic Joint Infection Curtis Hartman, MD</u>
1:05	1:10 p.m.	

		<u>Knee Arthrodesis is Most Likely to Control Infection and Preserve Function Following Failed 2 Stage Procedure for Treatment of Infected TKA – Chancellor F. Gray, MD</u>
1:10	1:15 p.m	<u>Surgical Treatment of Periprosthetic Joint Infection: Prognostic Classification – Ron Huang, MD</u>
1:15	1:20 p.m	<u>Is There a Role for Routine Intraoperative Cultures to Diagnose Subclinical Periprosthetic Joint Infection during Revision Total Hip and Knee Arthroplasty? – Paul Edwards, MD</u>
1:20	1:25 p.m	<u>The Use of PRP and Wound-healing Complications after Total Ankle Arthroplasty – James A. Costanzo, MD</u>
1:25	1:40 p.m	Discussion
1:40	1:45 p.m	<u>Occult Prosthetic Joint Infection (PJI) Is Rare In Patients with Staphylococcus aureus Bacteremia (SAB) – Aaron Tande, MD</u>
1:45	1:50 p.m	<u>Antibiotic Cement-Coated Nails: An Effective Treatment of Infected Nonunions, Fusions, and Bone Defects Janet Conway, MD</u>
1:50	1:55 p.m	<u>High Rates of Infection before and after Revision of Failed Metal-on-Metal Total Hip Arthroplasty: A Study of 50 Patients Cody C. Wyles, BS</u>
1:55	2:00 p.m	<u>MoM vs. PJI: That Is the Question – Vinay Aggarwal, MD</u>
2:00	2:05 p.m	<u>Diagnosing Infection In Failed Metal-on-Metal Hip Arthroplasty: Are Synovial Fluid Aspirations Helpful? – Cody C. Wyles, BS</u>
2:05	2:30 p.m	Discussion
2:30	3:00 p.m	Refreshment Break – Visit Corporate Partners
3:00	4:30 p.m	Clinical Scientific Paper Presentation (Clinical) Moderators: Lars Lidgren, MD and Greg W. Stocks, MD
3:00	3:05 p.m	<u>Aquacel® Surgical Dressing Reduces the Rate of Acute PJI Following Total Joint Arthroplasty: A Case-Control Study Jenny Cal, BS</u>
3:05	3:10 p.m	<u>The Girdlestone Procedure for the Treatment of the Septic Hip Joint – Charalampos Zalavras, MD</u>
3:10	3:15 p.m	<u>Multiple Periprosthetic Joint Infections: Evidence for Decreasing Prevalence – John Haverstock</u>
3:15	3:20 p.m	<u>Positive Culture from the Liquid Medium Only after Total Joint Arthroplasty: Is it Reliable? – Robert P. Good, MD</u>
3:20	3:25 p.m	<u>Preoperative Anemia of Chronic Disease is a Strong Independent Risk Factor for Surgical Site Infection after Total Joint Arthroplasty – Joshua Everhart, MD</u>
3:25	3:45 p.m	Discussion
3:45	3:50 p.m	<u>Increased Sensitivity of Detecting MSSA Colonization Using Groin and Gluteal Cleft Swabs – Antonia F. Chen, MD</u>
3:50	3:55 p.m	<u>Incidence of and Risk Factors for Falling Dental Clearance Prior to Hip and Knee Arthroplasty – Gregory K. Deirmengian, MD</u>
3:55	4:00 p.m	<u>Diagnosis of Periprosthetic Joint Infection in Medicare Patients: The Role of Multicriteria Decision Analysis Claudia Díaz-Ledezma, MD</u>
4:00	4:05 p.m	<u>Management of Below the Knee Amputation (BKA) Stump Breakdown Using Antibiotic-loaded Synthetic Calcium Sulfate Beads: A Case Series – Joseph Whitlark, MD, FACS, RVT</u>
4:05	4:10 p.m	<u>Fungal Periprosthetic Infection Is Associated with a Poor Outcome Colten Bracken, MD</u>
4:10	4:30 p.m	Discussion
4:30	5:30 p.m	<b>Symposium: PJI: MSIS vs. EBJIS: What are we to do in the future?</b> Moderator: Thorsten Gehrke, MD Jason Calhoun, MD J. David Blaha, MD Montri Danny Wongworawat, MD Camella Marcuelscu, MD Stephen Schmitt, MD Douglas R. Osmon, MD Carlo Luca Romano, MD Alex Sorano, MD Heinz Winkler, MD Eivind Witso, MD A. Volker, MD Craig A. Aboltins, MBBS, FRACP
5:30 p.m		Adjourn
7:00	10:00 p.m	President's Reception Participants are responsible for transportation Directions will be available  The College of Physicians 19 South 22nd Street Philadelphia, PA 19103 <a href="http://www.collegeofphysicians.org/mutter-museum/">http://www.collegeofphysicians.org/mutter-museum/</a>

**Saturday–August 3, 2013**

6:45	7:45 a.m	<b>Breakfast – Visit Corporate Partners</b>
7:00	7:30 a.m	Business Meeting – MSIS Members Only
7:30 am	12:30 p.m.	<b>Posters</b>
7:30	9:00 a.m	Scientific Paper Presentations Moderators: Daniel Kendoff, MD and Tobias Winkler, MD
7:30	7:35 a.m	<u>Diagnosing Periprosthetic Joint Infection: The Era of the Biomarker has Arrived – Carl Delmengen, MD</u>
7:35	7:40 a.m	<u>A Simple Conversion between High and Low Sensitivity CRP in the Assessment of PJI – Michael Milone, MD</u>
7:40	7:45 a.m	<u>Preoperative Staphylococcus Decolonization In Elective Spine Cases Is Effective – Antonia F. Chen, MD</u>
7:45	7:50 a.m	<u>Revision Total Hip Arthroplasty: Tantalum may be Protective against Infection – Anthony Tokarski, BS</u>
7:50	7:55 a.m	<u>Systemic Inflammatory Markers and Joint Aspirate Cell-Count are Unable to Differentiate between Bacterial or Fungal Periprosthetic Infection – Colten Bracken, MD</u>
7:55	8:00 a.m	<u>Fungal and Mycobacterial Septic Arthritis and Osteomyelitis of the Extremities – Charalampos Zalavras, MD</u>
8:00	8:20 a.m	Discussion
8:20	8:25 a.m	<u>Low-dose Gentamicin-loaded Spacers are Effective for Two-stage Revision – Carlo Luca Romano, MD</u>
8:25	8:30 a.m	<u>Bone Grafts as Vancomycin Carriers in Local Therapy of Resistant Infections – David Jahoda, MD</u>
8:30	8:35 a.m	<u>Variations in the Bacterial Genome of Methicillin-Resistant Staphylococcus Aureus Causing Pediatric Osteomyelitis within a Community – Lawson A. B. Copley, MD</u>
8:35	8:40 a.m	<u>Two-stage Revision Total Knee Arthroplasty with anArticulatin Spacer: Minimum Five-Year Review – Ted Vasarhelyi, MD</u>
8:40	8:45 a.m	<u>Safety and Efficacy of High-Dose Daptomycin Therapy for Prosthetic Joint Infection – Jeremy J. Reid, MD</u>
8:45	9:00 a.m	Discussion
9:00	10:30 a.m	<b>Rapid Fire Session: Challenges We Face</b> Moderator: Javad Parvizi, MD Gerald Williams, MD Thorsten Gehrke, MD Ed McPherson, MD S.V. Valdy, MD Julio Garcia, MD Jacek Kruczynski, MD David Backstein, MD
10:30	11:00 a.m	Refreshment Break – Visit Corporate Partners
11:00	12:00 p.m	<b>Presidential Guest Speaker</b>
12:00	12:15 p.m	Introduction of Incoming President Javad Parvizi, MD  Presidential Address Camelia Marculescu MD
12:15	12:30 p.m	Presentation of Jon T. Mader Award Presentation of Jeanette Wilkins Award Douglas R. Osmon, MD  Presentation of George Cierny Award Javad Parvizi MD
12:30 p.m		Adjourn
2:00 p.m		<b>Social Program</b> The Barnes Foundation Museum of Art <a href="http://www.barnesfoundation.org/">http://www.barnesfoundation.org/</a> - tickets must be requested by July 3, 2013 - group will meet in Hamilton lobby at 1:15 p.m. and walk to museum