

R Adams Cowley Shock Trauma Center, Department of Orthopaedics
University of Maryland School of Medicine
Orthopaedic Trauma Association 2018 Annual Meeting

PAPER PRESENTATIONS

Wednesday, October 17

8:52 AM Paper 3—**Can Dorsal Dermal Fascial Fenestrations Treat Acute Compartment Syndrome of the Foot?**—Reuben Lufano, MD; Matthew Nies, MD; Benjamin Ebben, MD; Scott Hetzel, MS; Robert V. O'Toole, MD; Christopher Doro, MD

4:03 PM Paper 19—**Serum 25(OH)D Alters Bone Turnover Marker Response after Hip Fracture: A Multihospital Prospective Cohort of 296 Elderly Patients**—Christopher Stewart, BA; Nathan O'Hara, MPH; Denise Orwig, PhD; Marc Hochberg, MD, MPH; Sheila Sprague, PhD; Jay Magaziner, PhD; Gerard P. Slobogean, MD, MPH

4:09 PM Paper 20—**Diagnosing Orthopaedic Infections: A Novel Serum Screening Tool**—Aaron Johnson, MD; Dimitrius Marinos, BS; Robert V. O'Toole, MD; Roman Natoli, MD; Ryan Montalvo, BS; Timothy Zerhusen, BS; Janette Harro, PhD; Manjari Joshi, MBBS; Theodore T. Manson, MD; Mark Shirliff, PhD

8:47 AM Paper 34—**The Feasibility of a Randomized Controlled Trial Comparing External Fixation versus Intramedullary Nailing for Open Tibial Fractures at a Regional Hospital in Uganda**—Kisitu Kyengera, MBBS; David Stockton, MD; Nathan O'Hara, MPH; Gerard P. Slobogean, MD, MPH; Andrea Howe, BS; D. Marinos, BS; Piotr Blachut, MD; Peter O'Brien, MD, FRCPC

Thursday, October 18: Program Highlights

3:26 PM Paper 66—**A Different Approach to Preventing Thrombosis (ADAPT): A Randomized Controlled Trial Comparing Bleeding Events after Orthopaedic Trauma with Aspirin to Low-Molecular-Weight Heparin Venous Thromboembolism Prophylaxis**—Bryce Haac, MD; Nathan O'Hara, MPH; Theodore T. Manson, MD; Gerard P. Slobogean, MD, MPH; Richard Van Besien, BA; Renan Castillo, PhD; Herman Johal, MD, MPH; Peter Berger, BS; Bradley Reahl, BS; Dimitrius Marinos, BS; Yasmin Degani, MPH; Daniel Mascarenhas, BS; Daniel Connelly, BS; Thomas Scalea, MD; Deborah Stein, MD, MPH; Robert V. O'Toole, MD

4:06 PM Paper 71—**A Multicenter Randomized Trial Evaluating Intra-wound Vancomycin Powder for Reducing Surgical Site Infection after Fracture Surgery**—Robert V. O'Toole, MD; Manjari Joshi, MBBS; Anthony Carlini, MS; Joshua Gary, MD; William Obremskey, MD, MPH; Clint Murray, MD; Greg Gaski, MD; J. Reid, MD; Yasmin Degani, MPH; Tara Taylor, MPH; Susan Collins MSc; Yanjie Huang, MS; Renan Castillo, PhD; The Major Extremity Trauma Research Consortium

Friday, October 19

8:05 AM Paper 80—**Does Suprapatellar Tibial Nailing Reduce Long-Term Knee Pain?**—Marckenley Isaac, MS; Robert V. O'Toole, MD; Ugochukwu Udogwu, BA; Daniel Connelly, BS; Mitchell Baker, BS; Yasmin Degani, MPH; Andrea Howe, BS; Katherine Ordonio, BA; Joshua Rudnicki, BS; Mauri Zomar; Nathan O'Hara, MPH; Gerard P. Slobogean, MD, PH

1:42 PM Paper 89—**Early Radiographic Union Score for Hip Is Predictive of Femoral Neck Fracture Complications within 2 Years**—Gerard P. Slobogean, MD, MPH; Sofia Bzovsky, BSc; Diane Heels-Ansdell, MSc; Qi Zhou, PhD; Mohit Bhandari, MD, PhD; Sheila Sprague, PhD; FAITH Investigators

Saturday, October 20

11:14 AM Paper 113—**Are All Nonunions Infected? Comparison of Culture versus Bacterial DNA Presence**—Roman Natoli, MD; Dimitrius Marinos, BS; Ryan Montalvo, BS; George Ochenjele, MD; Cullen Griffith, MD; Anthony Ding, MD; I. Leah Gitajn, MD; Theodore T. Manson, MD; Manjari Joshi, MBBS; Mark Shirliff, PhD; Robert V. O'Toole, MD

11:54 AM Paper 118—**Systemic Absorption and Nephrotoxicity Associated with Topical Vancomycin Powder for Fracture Surgery**—Robert V. O'Toole, MD; Yasmin Degani, MPH; Anthony Carlini, MS; Renan Castillo, PhD; Manjari Joshi, MBBS; The Major Extremity Trauma Research Consortium

12:17 PM Paper 121—**Prospective Randomized Trial on Smoking Cessation in Orthopaedic Trauma Patients: Could the "Hawthorne Effect" of Carbon Monoxide Monitoring Be the Best Treatment?**—Paul Matuszewski, MD; Katherine Ordonio, BA; Nathan O'Hara, MPH; Robert V. O'Toole, MD

CONCURRENT BREAKOUT SESSIONS

Friday, October 19

2:30–3:30 PM: **Current Strategies and Techniques for Operative Fixation of Complex Ankle Fractures and Fractures of the Tibial Plafond.** Richard Yoon, MD; Mark Gage, MD; Marcus Sciadini, MD; Jason Nascone, MD

Saturday, October 20

6:30–7:30 AM: **Bone Loss, Dead Space, and Soft-Tissue Defects: What Do I Do Now?** Frank Liporace, MD; Jason Nascone, MD; Richard Yoon, MD; Raymond Pency, MD

9:05–10:05 AM: **Intraoperative Imaging of Pelvic Ring Injuries.** H. Claude Sagi, MD; Adam Starr, MD; Jason Nascone, MD, Cory Collinge, MD

1:45–2:45 PM: **Traumatic Nerve Injury Management in Complex Upper Extremity Trauma.** Jesse Jupiter, MD; David Ring, MD; Raymond Pency, MD



POSTER PRESENTATIONS

Poster 7: Can Surgeons Predict Outcomes after Fixation of Pilon Fractures?—Mark Gage, MD; Dimitrius Marinos, BS; Michael Maceroli, MD; Brent Wise, MD; Suneel Bhat, MD; David Potter, MD; Theodore T. Manson, MD; Nathan O'Hara, MHA; Robert V. O'Toole, MD

Poster 10: Predicting Unplanned Return to the Operating Room after Fixation of Tibial Pilon Fractures—Matthew Hogue, MD; Ugochukwu Udogwu, BS; Rohan Gopinath, MD; Dimitrius Marinos, BS; Marckenley Isaac, BS; John Morellato, MBBS; Anthony Carlini MS; Renan Castillo, PhD; Robert V. O'Toole, MD

Poster 13: Assessing Soft-Tissue Perfusion Using Laser-Assisted Angiography in Tibial Plateau and Pilon Fractures: A Feasibility Study—Thao Nguyen, MD; Gerard P. Slobogean, MD; Daniel Connelly, BS; Daniel Mascarenhas, BS; Julio Jauregui, MD; Nathan O'Hara, MHA; Robert V. O'Toole, MD; Raymond Pency, MD

Poster 37: Subtrochanteric Femoral Fractures Treated with Reconstruction Nails Have a Lower Reoperation Rate Compared with Cephalomedullary Nail Fixation: Matched Cohort Study of 232 Patients—Austin Heare, MD; Brian Cunningham, MD; Harsh Parikh, MD; David Shearer, MD; William Obremskey, MD; H. Claude Sagi, MD; Robert V. O'Toole, MD

Poster 62: Predictors of Symptomatic Implant Removal after Open Reduction and Internal Fixation of Tibial Plateau Fractures: A Cohort Study of 220 Patients—Christopher Stewart, MD; Nathan O'Hara, MHA; Daniel Mascarenhas, BS; Theodore T. Manson, MD; Bradley Reahl, BS; Daniel Connelly, BS; Gerard P. Slobogean, MD; Robert V. O'Toole, MD

Poster 100: Factors Influencing Discharge to Rehabilitation Facility versus Home after High-Energy Lower Extremity Trauma—I. Leah Gitajn, MD; Robert V. O'Toole, MD; Renan Castillo, PhD; David Jevsevar, MD; Lisa Reider, PhD; Andrew Pollak, MD; The Major Extremity Trauma Research Consortium

Poster 117: The Red-Yellow-Green Report Card: Does Providing Direct Surgeon Feedback Influence Behavior and Decrease Implant Costs?—John Morellato, MBBS; Mitchell Baker, BS; Marckenley Isaac, BS; Nathan O'Hara, MHA; Patrick Mixa, MD; Kanu Okike, MD; Christopher LeBrun, MD; Jason Nascone, MD; Theodore T. Manson, MD; Gerard P. Slobogean, MD; Robert V. O'Toole, MD; Marcus Sciadini, MD; Andrew Pollak, MD

Poster 126: Admission Hyperglycemia Is a Risk Factor for Deep Surgical Site Infection in Orthopaedic Trauma Patients—Braden Anderson, MD; Brent Wise, MD; Manjari Joshi, MBBS; Renan Castillo, PhD; Robert V. O'Toole, MD; Justin Richards, MD

Poster 135: Implementation of the PROMIS Toolbox within an Orthopaedic Trauma Clinical Trials Consortium—Anthony Carlini, MS; Katherine Frey, RN, MPH; Rachel Kirk, MD; Susan Collins, MSc; Robert V. O'Toole, MD; Kristin Archer, MD; William Obremskey, MD; Julie Agel, MA; Conor Kleweno, MD; Saam Morshed, MD; Michael Weaver, MD; Thomas Higgins, MD; Kitty Chan, MD; Albert Wu, MD; Renan Castillo, PhD; The Major Extremity Trauma Research Consortium

Poster 136: PROMIS PF and SMFA Crosswalk: Accuracy Varies by Domain—Renan Castillo, PhD; Anthony Carlini, MS; Katherine Frey, RN, MPH; Robert V. O'Toole, MD; Kristin Archer, PhD; William Obremskey, MD; Julie Agel, MA; Conor Kleweno, MD; Saam Morshed, MD; Michael Weaver, MD; Thomas Higgins, MD; Susan Collins, MSc; Stephen Wegener, MD; Albert Wu, MD; Kitty Chan, PhD; The Major Extremity Trauma Research Consortium

Poster 151: Does Cortical Scoring Work When There Is No Implant? An Assessment of Cortical Scoring in Nonoperatively Treated Humeral Fractures—Paul Tornetta, III, MD; Alex Gaukhman, MD; Karina Lo, MD; Jody Litrenta, MD; Samir Mehta, MD; Robert Ostrum, MD; Emil Schemitsch, MD; William Ricci, MD; Robert V. O'Toole, MD; Stephen Kottmeier, MD; Daniel Horwitz, MD

Poster 164: Risk Factors Associated with Distal Radius Implant Removal: A Retrospective Analysis of 1041 Cases—Mitchell Baker, BS; Ugochukwu Udogwu, BS; Marckenley Isaac, BS; Daniel Connelly, BS; Dimitrius Marinos, BS; Nathan O'Hara, MHA; Gerard P. Slobogean, MD; Robert V. O'Toole, MD; W. Andrew Eglseder, MD; Raymond Pency, MD

INTERNATIONAL INDUSTRY

Wednesday, October 17

11:40 AM–12:30 PM—**Innovative Concepts in External Fixation: Zimmer Biomet FastFrame External Fixation System Overview and Early Clinical Experience**—Faculty, Jason Nascone, MD; Robert O'Toole, MD

SYMPOSIUM PRESENTATIONS

Thursday, October 18

1:20–2:50 PM: **The Treatment of Hip Fractures in 2018: Can We Reach a Consensus?** Gerard P. Slobogean, MD, MPH; Abdel-Rahman Lawandy, MD, PhD; David Sanders, MD; Robert V. O'Toole, MD; Michael D. McKee, MD; Steven A. Olson, MD

-The Young Femoral Neck Fracture: When Should an Open Reduction Be Performed? Gerard P. Slobogean, MD, MPH

-Ipsilateral Hip and Femoral Shaft Fractures: Evidence-Based Approach. Robert V. O'Toole, MD

Friday, October 19

9:55–11:25 AM: **Domestic Mass Casualty and Disaster: Coming to Your Area.** Christopher Born, MD; Roman Hayda, MD; James Ficke, MD; Christopher LeBrun, MD

-Areas of Military-Civilian Partnership to Domestic Planning and Response. Christopher LeBrun, MD

