

**R Adams Cowley Shock Trauma Center, Department of Orthopaedics**  
**University of Maryland School of Medicine**  
*Orthopaedic Trauma Association 2021 Annual Meeting*

**Wednesday, October 20**

**SYMPOSIUM PRESENTATIONS**

7:40–7:46 AM: **Mechanics vs. Biology – Which is “More Important” to Consider?** Robert V. O’Toole, MD; Ara Nazarian, PhD

10:37–10:46 AM: **The Power of Repeated Measures and Longitudinal Data [Longitudinal Regression, etc.]** Gerard Slobogean, MD, MPH

1:37–1:46 PM: **Antibiotic Powder Use in Orthopaedic Infection and Prevention—Current Concepts.** Robert V. O’Toole, MD

4:13–4:23 PM: **Multicenter Hip Fracture Trials - Is There Enough Evidence to Change Practice.** Gerard Slobogean, MD, MPH

5:00–8:00 PM: **OTA Member Fireside.** Gerard Slobogean, MD, MPH, Samir Mehta, MD; Greg Gaski, MD, Conor P. Kleweno, MD, Kelly A. Lefaivre, MD, FRCSC, Robert V. O’Toole, MD, John A. Scolaro, MD, MA, J. Tracy Watson, MD

**PAPER PRESENTATION**

9:13 AM Paper 2—**A Biomechanical Comparison of Two Fixation Methods for Unstable Lateral Compression (AO/OTA 61B2) Pelvic Ring Injuries**—Eric Hempen, MD; Benjamin Matthew Wheatley, MD; Patrick Schimoler; Alexander Kharlamov, MD, PhD; Gregory T. Altman, MD; Daniel T. Altman, MD; Edward Ryan Westrick, MD

**Thursday, October 21**

**SYMPOSIUM PRESENTATIONS**

7:30–11:15 AM: **Pelvis and Acetabulum Course.** Michael T. Archdeacon, MD; Christopher Lee, MD; Faculty: Cory A. Collinge, MD; Christopher Lee, MD; Anna N. Miller, MD, FACS; William M. Ricci, MD; Milton L. Routt, MD; George V. Russell, Jr, MD, H. Claude Sagi, MD; Marcus Sciadini, MD; John A. Scolaro, MD, MA; Adam J. Starr, MD

3:35–4:45 PM: **Program Highlights.** Stephen A. Kottmeier, MD; Gerard Slobogean, MD, MPH

**Friday, October 22**

7:30–9:00 AM: **Hot Off The Press: Latest Randomized Controlled Trials That Can Change Your Practice in 2021.** Niloofar Dehghan, MD MSc, FRCS; Tim Chesser, FRCS, Emil Schemitsch, MD; Steve Shannon, MD; Robert V. O’Toole, MD; Prism Schneider, MD, PhD; Gerard Slobogean, MD

**CONCURRENT BREAKOUT SESSIONS**

10:00–11:00 AM: **Treatment of Supracondylar Femur Fractures: Plating, Nailing and Nonunions.** Frank A. Liporace, MD; Michael A. Maceroli, MD; Richard S. Yoon, MD; John P. Ketz, MD; Marcus F. Sciadini, MD

**Friday, October 22**

**CONCURRENT BREAKOUT SESSIONS**

1:50–2:50 PM: **Current Strategies and Techniques for Operative Fixation of Complex Ankle Fractures and Fractures of the Tibial Plafond.** Frank A. Liporace, MD; Richard S. Yoon, MD; Mark Gage, MD; Marcus F. Sciadini, MD; Jason W. Nascone, MD

**LUNCH POSTER & TOUR**

12:34–1:14 PM **Knee/Tibia**  
Robert V. O’Toole, MD

**PAPER PRESENTATIONS**

1:21 PM Paper 80—**Hip Fracture with Elevated Troponin: Harbinger of Mortality or Need for Accelerated Surgery?**—Jocelyn Wu, BA; Nathan N. O’Hara, MHA; Nicholas Rolle; Flavia K. Borges, PhD; P.J. Devereaux, MD; Gerard Slobogean MD, MPH

2:30 PM Paper 89—**Is External Beam Radiation Therapy Really Associated with Low Rates of Heterotopic Ossification After Acetabular Surgery?**—Adam Boissonneault, MD; Gerard Slobogean, MD, MPH; Elizabeth Harkin, MD; Jayesh Gupta, BS; Nathan N. O’Hara, MHA; Robert V. O’Toole, MD

4:03 PM Paper 97—**Does Cumulative Topical Antibiotic Powder Use Increase the Risk of Nephrotoxicity?**—Robert V. O’Toole, MD; Nathan N. O’Hara, MHA; Jessica Carullo, BS; Manjari Joshi; Sheila Sprague, PhD; Gerard Slobogean, MD, MPH

4:09 PM Paper 98—**What Is Most Important to Patients When Pursing Limb Salvage Following a Limb-Threatening Injury?**—Alison L. Wong, MD, MS; Cynthia Shannon, BS, BSN; Abdulai Bangura, BS; Lily Mundy, MD; Nathan N. O’Hara, MHA; Raymond A. Pency, MD

4:32 PM Paper 101—**How Many Sites Should an Orthopaedic Trauma Prospective Multicenter Trial Have? A Marginal Analysis of Completed Trials**—Lauren Allen, MA; Robert V. O’Toole, MD; Michael J. Bosse, MD; William T. Obrebsky, MD, MPH; Kristin Archer, PhD; Lisa K. Cannada, MD; Jaime T. Shores, MD; Renan C. Castillo, PhD; METRC Investigators

**Saturday, October 23**

**CONCURRENT BREAKOUT SESSIONS**

6:30–7:30 AM: **‘Gray Zone Pelvis’; What do I do?** Jason W. Nascone, MD; Faculty: Milton L. Routt, MD; Adam J. Starr, MD; Robert V. O’Toole, MD; H. Claude Sagi, MD

10:15–11:15 AM: **Combined Pelvic Ring and Acetabulum Fractures: What I’ve Learned and What I Wish I Would Have Known Back Then.** Marcus F. Sciadini, MD; Michael A. Maceroli, MD; Jason W. Nascone, MD; Conor P. Kleweno, MD; Brent T. Wise, MD

**Saturday, October 23**

## **PAPER PRESENTATION**

3:21 PM Paper 133—**ORIF of Multifragmentary Fractures of the Radial Head Does Not Lead to Worse Outcomes Compared to Arthroplasty**—Phillip McKegg, MS; Genaro Deleon, MS; Nathan N. O'Hara, MHA; Qasim Ghulam, MS; Zachary D. Hannan, BS; Robert V. O'Toole, MD; Christopher Langhammer, MD; Lucas S. Marchand, MD; Gerard Slobogean, MD, MPH; Raymond A. Pensey, MD; W. Andrew Eglseder, MD

## **POSTER PRESENTATIONS**

**Poster 25: Patients Value Their Own Pain Over Braking Safety When Deciding When to Return to Driving: A Discrete Choice Experiment on Lower Extremity Injuries**—Genaro Deleon MS; Nicholas Rolle; Cynthia Shannon BS, BSN; Phillip McKegg MS; Zachary D Hannan BS; Qasim Ghulam MS; Gerard Slobogean MD, MPH; Robert V O'Toole MD; Nathan N O'Hara MHA

**Poster 100: Long Term Outcomes of Multiligament Knee Injuries**—Tina Zhang MD; Keyan Shasti; Andrew G Dubina MD; Matheus B Schneider BS; Alexander Judson Wahl BS; Ali Aneizi MD; Jonathan David Packer MD; Robert V O'Toole MD; Marcus F Sciadini MD; R Frank Henn MD

**Poster 116: What is the probability that external beam irradiation is the most effective modality to prevent heterotopic ossification after acetabular surgery? A Bayesian analysis**—Adam Boissonneault MD; Qasim Ghulam MS; Gerard Slobogean MD, MPH; Nathan N O'Hara MHA; Robert V O'Toole MD

**Poster 122: Are Pelvic Binders an Effective Prehospital Intervention?**—Abdulai Bangura BS; Cynthia Shannon BS, BSN; Blessing Enobun MBBS, MPH; Nathan N O'Hara MHA; Joshua Layne Gary MD; Douglas John Floccare MD, MPH; Timothy Chizmar MD; Andrew N Pollak MD; Gerard Slobogean MD, MPH

**Poster 123: Reformatting of Computed Tomography (CT) Scans Parallel to the S1 Endplate Increases Visualization of Trans-Iliac Trans-Sacral (TITS) Pathway in the First Sacral Segment, Especially with Dymorphism**—Patrick Kellam MD; Lucas Scott Marchand MD; Dillon Christopher O'Neill MD; Joshua Layne Gary MD; Thomas F Higgins MD; Marcus F Sciadini MD; Joshua Daryoush MD; Graham John Dekeyser; James F Kellam MD; David Lynn Rothberg MD; Lillia Steffenson MD; Stephen James Warner MD, PhD; Zachary Mark Working MD; Justin Haller MD

**Poster 127: Should we perform acute total hip arthroplasty for all patients over 45 years old with an acetabular fracture dislocation?**—Adam Boissonneault MD; Elizabeth Harkin MD; Jayesh Gupta BS; Gerard Slobogean MD, MPH; Nathan N O'Hara MHA; Robert V O'Toole MD

**Poster 152: Is it safe to elevate flaps for secondary bone grafting after open tibia fractures?**—Cynthia Shannon BS, BSN; Jayesh Gupta BS; Alison Lynn Wong, MD, MS; Blessing Enobun MBBS, MPH; Nathan N O'Hara MHA; Abdulai Bangura BS; Katherine Claire O'Connor BS; Robert V O'Toole MD; Julio J Jauregui MD; Nathan Miller MD; Raymond A Pensey MD

**Poster 156: Unreamed Intramedullary Nailing versus External Fixation for the Treatment of Open Tibial Shaft Fractures in Uganda: A Randomized Clinical Trial**—Kisitu Kyengera; Nathan N O'Hara MHA; Gerard Slobogean MD, MPH; Andrea Lynn Howe BS; Peter Joseph O'Brien MD; David John Stockton MD, MSc

**Poster 165: There is no difference in long term functional outcomes between open reduction and internal fixation and radial head arthroplasty in treating radial head fractures**—Cynthia Shannon BS, BSN; Phillip McKegg MS; Genaro Deleon MS; Blessing Enobun MBBS, MPH; Alison Lynn Wong MD, MS; Nathan N O'Hara MHA; Raymond A Pensey MD; Christopher Langhammer MD; Robert V O'Toole MD; W Andrew Eglseder MD