



WEDNESDAY, OCTOBER 12

6:25 PM – **OTA Member Fireside - Senior Surgeon Leadership Forum: An Evening with Your Colleagues**
6:50 PM **Transitions from Primary Trauma Surgeon to other Leadership Roles**

Program Chairs: Heather Vallier, MD; David Teague, MD

Moderator: Robert A. Probe, MD

Faculty: M. Bradford Henley, MD, FACS; **Andrew N. Pollak, MD**; Thomas Russell, MD

SESSION: BASIC SCIENCE PAPER SESSION I: FRACTURE HEALING IN PRE-CLINICAL MODELS AND
POLYTRAUMA

SYMPOSIUM IV – ORTHOPAEDIC INFECTIONS: WHAT HAVE WE LEARNED?

**Collagen X Biomarker Correlates to Canonical Bone Turnover Markers During
Fracture Healing and Distinguishes Sex-Related Differences in Soft Callus Formation.**

Zachary M. Working, MD; K.M. O'Hara; A.L. Nelson; Ryan F. Coghlan; Lucas S. Marchand;
S. Bzovskys; Sheila Sprague, PhD; **Nathan N. O'Hara, PhD, MHA; Gerard Slobogean,
MD, MPH**; Chelsea S. Bahney, PhD

THURSDAY, OCTOBER 13

SESSION: ORTHOPAEDIC TRAUMA BOOT CAMP – DAY 2

SYMPOSIUM VII – HOW DOES THE MASTER DO IT?

9:30 AM – **Infection Tibial Nonunion**
9:45 AM Faculty: **Robert V. O'Toole, MD**

PAPER SESSION I: HIP AND FEMUR II

9:46 AM Paper **Nail-Plate Fixation for Distal Femur Fractures: A Multicenter Case Series**
80 Brendan Shi, MD; **Nathan N. O'Hara, PhD, MHA**; Ben Kelley, MD; Alexander Upfill-Brown, MD,
MSc; Sai Devana, MD; Dane Brodke, MD, MPH; Cynthia Burke, BS, BSN; Jayesh Gupta, BS;
Natasha McKibben, BS; **Robert V. O'Toole, MD**; John Morellato, MBBS; Murphy McGriff Walters,
MD; Colby Barber, MD; Paul William Perdue, MD; Graham Dekeyser, MD; Lillia Steffenson, MD;
Lucas S. Marchand, MD; Marshall J. Fairres, MD; Stephen Shymon, MD; Loren O. Black, MD,
MBA; Zachary M. Working, MD; Trevor Gulbrandsen, MD; Matthew Hogue, MD; Omar H. Atassi,
MD; Thomas W. Mitchell, MD; Erika Roddy, MD; Ashraf N. El Naga, MD; Christopher Lee, MD;
William H. Gillon, MD

9:52 AM Paper **Risk Factors for Reoperation to Promote Union in 1128 Distal Femur Fractures**
81 Dane Brodke, MD, MPH; Sai Devana, MD; Adolfo Hernandez, MS; **Nathan N. O'Hara, PhD,
MHA**; Cynthia Burke, BS, BSN; Jayesh Gupta, BS; Natasha McKibben, BS; **Robert V. O'Toole,
MD**; John Morellato, MBBS; Murphy McGriff Walters, MD; Colby Barber, MD; Paul W. Perdue,
MD; Graham Dekeyser, MD; Lillia Steffenson, MD; Lucas S. Marchand, MD; Stephen Shymon, MD;
Marshall J. Fairres, MD; Loren O. Black, MD, MBA; Zachary M. Working, MD; Matthew Hogue,
MD; Trevor Gulbrandsen, MD; Omar H. Atassi, MD; Thomas W. Mitchell, MD; Erika Roddy, MD;
Ashraf N. El Naga, MD; William H. Gillon, MD; Christopher Lee, MD

- 9:58 AM Paper **Malreduction Is the Most Important Technical Factor Contributing to Nonunion in Supracondylar Distal Femur Fractures Treated With Lateral Locked Plating**
82 David J. Stockton, MD, MSc, FRCSC; **Nathan N. O'Hara, PhD, MHA**; Dane Brodke, MD, MPH; Natasha McKibben, BS; Kathleen M. Healey, BA; Abraham M. Goch, MD; Haley Demyanovich, MS; Lucas S. Marchand, MD; Stephen Shymon, MD; Paul W. Perdue, MD; Omar H. Atassi, MD; Zachary M. Working, MD; Ashraf N. El Naga, MD; Matthew Hogue, MD; John Morellato, MBBS; **Eric Hempen, MD; Gerard Slobogean, MD, MPH**; Christopher Lee, MD; **Robert V. O'Toole, MD**

PAPER SESSION II: CHAIR'S CHOICE

MODERATORS: GERARD SLOBOGEAN, MD MPH, FRCS; EDWARD J. HARVEY, MD

- 2:15 PM Paper **Policy Changing Paper – PREVENT CLOT**
83 (Aspirin Versus Low-Molecular-Weight Heparin for Thromboprophylaxis): A Randomized Clinical Trial of Over 12,000 Orthopaedic Trauma Patients
METRC; **Robert V. O'Toole, MD**
- 2:27 PM Paper Aqueous-PREP: A Pragmatic Randomized Trial Evaluating Pre-Operative Aqueous Antiseptic Skin
84 Solutions in Open Fractures
PREP-IT Investigators; **Gerard Slobogean, MD, MPH**
- 2:33 PM Paper Do NSAIDs Increase the Risk of Non-Union? Results of the PAIN Study, A Three Arm, Multicenter,
85 Double Blind, Randomized Control Trial
METRC; Renan Castillo, MD
- 2:51 PM Paper **A Multicentre, Randomized Trial of Far Cortical Locking Versus Standard Constructs for Acute, Displaced Fractures of the Distal Femur Treated with Locked Plate Fixation**
87 Kelly A. Lefavre, MD, FRCSC, **Gerard Slobogean, MD, MPH**; Peter J. O'Brien, MD, FRCSC; Canadian Orthopaedic Trauma Society

FOOT & ANKLE, PILON

SESSION: CONCURRENT BREAKOUT SESSION

- 3:45 PM – **Current Strategies and Techniques for Operative Fixation of Complex Ankle Fractures and**
4:45 PM **Fractures of the Tibial Plafond**
Moderator: **Mark Gage, MD**
Faculty: **Jason W. Nascone, MD; Marcus F. Sciadini, MD**; Brandon Yuan, MD; Derek J. Donegan, MD, MBA

PELVIS AND ACETABULUM

SESSION: CONCURRENT BREAKOUT SESSIONS

- 3:45 PM – **Geriatric Acetabular Fractures - Fix, or Fix and Replace - What Do We Know?**
4:45 PM Moderator: **Marissa Bonyun, MD**
Faculty: Milton Routt, MD; Frank A. Liporace, MD; **Aaron Johnson, MD**



FRIDAY, OCTOBER 14

POST-TRAUMATIC RECONSTRUCTION

SESSION: CONCURRENT BREAKOUT SESSIONS

11:35 AM – **Soft Tissues Reconstruction: What the Orthopaedic Trauma Surgeon Needs to Know**
12:35 PM Moderator: **Robert V. O'Toole, MD**
Faculty: Lily Mundy, MD; Jason Souza, MD; Gordon Potter, MD

HIP AND FEMUR

SESSION: CONCURRENT BREAKOUT SESSION

11:35 AM – **Treatment of Supracondylar Femur Fractures: Plating, Nailing and Nonunions**
12:35 PM Moderator: Frank A. Liporace, MD
Faculty: Michael Maceroli, MD; Richard S. Yoon, MD; John P. Ketz, MD; **Marcus F. Sciadini, MD**

PAPER SESSION IV: FOOT & ANKLE, GENERAL INTEREST II

12:10 PM Paper **Do Tibial Plateau Fractures at Low Risk of Infection Also Benefit From Topical Vancomycin**
103 **Powder?**
Nicolas H. Zingas, BS; Zachary D. Hannan, BS; Kathleen M. Healey, BA; Natasha McKibben, BS; Cynthia Burke, BS, BSN; Phillip McKegg, MS; Qasim Ghulam, DO; **Nathan N. O'Hara, PhD, MHA**; Manjari Joshi, MBBS; Andrew G. Dubina, MD; **Robert V. O'Toole, MD**

PAPER SESSION V: PELVIS

2:05 PM Paper **Does Fracture Pattern Really Predict Clinically Important Displacement of LC1 Sacral**
106 **Fractures?**
Michael Livesey, MD; Harold I. Salmons, MD; Bennet Butler, MD; **Gerard Slobogean, MD, MPH; Robert V. O'Toole, MD**

2:11 PM Paper **Is Iliosacral Screw Removal Useless? A Causal Analysis of Prospective Observational Data**
107
Natasha McKibben, BS; Nicolas H. Zingas, BS; Caroline A. Benzel, BS; David J. Stockton, MD, MSc, FRCSC; Haley Demyanovich, MS; **Gerard Slobogean, MD, MPH; Marcus F. Sciadini, MD; Robert V. O'Toole, MD**; Kathleen M. Healey, BA; **Nathan N. O'Hara, PhD, MHA**

2:40 PM Paper **A New Computed Tomography-Based Measure of Posterior Wall Acetabulum Fractures**
111 **Decreases the Need for Examination Under Anesthesia**
Todd Jaebon, DO; Haley Demyanovich, MS; **Brent Bauer MD; Robert Beer, MD**; Joseph Kufera, MA

2:51 PM Paper **The Impact of Heterotopic Ossification Prophylaxis After Surgical Fixation of Acetabular**
112 **Fractures: National Treatment Patterns and Related Outcomes**
Adam Boissonneault, MD; **Robert V. O'Toole, MD; Gerard Slobogean, MD, MPH**; Sheila Sprague, PhD; David A. Pogorzelski, MSc; Ida Gitajn, MD; **Nathan N. O'Hara, PhD, MHA**; Lucas S. Marchand, MD; **Mark Gage, MD**; Thomas F. Higgins, MD; Roman M. Natoli, MD; Sarah Pierrie, MD; Ishani Sharma, BA, BS

PELVIS AND ACETABULUM

SESSION: CONCURRENT BREAKOUT SESSIONS

4:50 PM – **Combined Pelvic Ring and Acetabulum Fractures: What I've Learned and What I Wish I**
5:50 PM **Would Have Known Back Then**
Moderator: **Marcus F. Sciadini, MD**
Faculty: Michael Maceroli, MD; **Jason W. Nascone, MD**; Conor P. Kleweno, MD; Brent Wise, MD



SATURDAY, OCTOBER 15

PELVIS AND ACETABULUM COURSE

8:50 AM – **Which Ones Should I Not Stress?**
9:00 AM **Robert V. O’Toole, MD**

CONCURRENT BREAKOUT SESSION

9:45 AM – **From Fixation to Revision in Periprosthetic and Interprosthetic Hip & Knee Fractures: When, How and Getting It Right**
10:45 AM
Moderator: Richard Yoon, MD
Faculty: Frank Liporace, MD; Derek Donegan, MD, MBA; **Mark Gage, MD**; Michael Maceroli, MD

PAPER SESSION VIII: TIBIA

11:11 AM Paper 134 **What Is the Probability That Intrawound Vancomycin Powder Reduces Infections in Patients With High-Risk Tibial Plateau or Pilon Fractures? A Bayesian Analysis of the VANCO Trial**
Nathan N. O’Hara, PhD, MHA; Renan Castillo, MD; Anthony R. Carlini, MS; **Manjari Joshi, MBBS**; Clinton K. Murray, MD; Lauren Allen, MA; Yanjie Huang, Joshua Gary, MD; Michael J. Bosse, MD; William T. Obremsky, MD, MPH; Todd McKinley, MD, PhD; **Robert V. O’Toole, MD**; METRC Investigators

11:59 AM Paper 140 **The LIMB-Q: A Novel Patient-Reported Outcomes Instrument Specific to Lower-Extremity Trauma Patients**
Lily Mundy, MD; Anne Klaasen; Andrea Pusic; Tim De Jong, DPHIL; Nicole Lindenblatt, MD; Nina Vestergaard Simonsen, MD; Lotte Poulsen, MD, PhD; Scott Hollenbeck, MD; **Mark Gage, MD**; Natasha McKibben, BS; **Raymond A. Pensey, MD**; Ariana Paniagua, BA; Nicolas H. Zingas, BS

POSTER PRESENTATIONS

Poster 98 Neurologic Injury Predicts Failure of Manipulation Under Anesthesia for Posttraumatic Knee Stiffness
Michael Robertson, MD; Caroline A. Benzel, BS; Nicolas H. Zingas, BS; **Nathan N. O’Hara, PhD, MHA**; **Robert O’Toole, MD**; **Eric Hemen, MD**

Poster 110 Long-Term Pain and Function in Patients With Unstable Pelvic Fractures Treated With Posterior Screw Fixation: A Prospective Case Series
Nathan N. O’Hara, PhD, MHA; Danielle Sim BA; Darby Moore BS; Peter Campbell MHS; Vincent Allen BS; Marco Nascone; Sania Hasan; David J. Stockton, MD, MASc; Haley Demyanovich, MS; **Marcus F. Sciadini, MD**; **Robert V. O’Toole, MD**; **Gerard P. Slobogean, MD, MPH**

Poster 137 Is It Possible to Predict Which Patients Are at Higher Risk of Infection? A Secondary Analysis of the VANCO and OXYGEN Trials
Archie L. Overmann, MD; Anthony R. Carlini, MS; **Robert V. O’Toole, MD**; Renan C. Castillo, PhD; **Nathan N. O’Hara, PhD, MHA**; on behalf of The METRC Investigators

Poster 141 Tibial Malalignment Is an Independent Predictor of Nonunion Following Intramedullary Nailing of Tibial Shaft Fractures
Abraham Michael Goch, MD; Kathleen Healey, BS; Nicolas H. Zingas, BS; Natasha McKibben, BS; Caroline A. Benzel, BS; David Stockton, MD; **Nathan N. O’Hara, PhD, MHA**; **Gerard Slobogean, MD, MDH**; **Jason Nascone, MD**; **Robert V. O’Toole, MD**

