The FDA has stated that it is the responsibility of the physician to determine the FDA clearance status of each drug or medical device he or she wishes to use in clinical practice.

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THURSDAY, OCTOBER 12, 2017

Don’t Be Afraid to Allow Early Weight Bearing After Ankle and Tibia Fracture Fixation!
Niloofar Dehghan, MD

Syndesmotic Ankle Injuries: When Do You Remove the Screws? Should We Use Tightrope Instead?
David W. Sanders, MD

Questions

2:50 pm Refreshment Break (Exhibit hall opens at 2:30)
Visit Scientific Posters & Technical Exhibits
(West Exhibit Hall B)

West Ballroom AB

SCIENTIFIC PAPER SESSION 1:
PROGRAM HIGHLIGHTS

3:20 pm – 4:29 pm

Moderators - Michael D. McKee, MD & Michael J. Gardner, MD

3:20 pm

Δ Improved Reduction of the Tibiofibular Syndesmosis with Tightrope
Compared to Screw Fixation: Results of a Randomized Controlled Study
(COTS) Canadian Orthopaedic Trauma Society; David W. Sanders, MD;
Prism S. Schneider, MD, PhD; Christina Tieszer, BSc, MSc;
Abdel-Rahman Lawendy, MD; Michel Taylor, MD

PAPER #63

3:26 pm

Fixation of Distal Tibia Fractures (UK FixDT): A Randomized Controlled Trial of Locking Plate Fixation versus Intramedullary Nail Fixation in the Treatment of Adult Patients with a Displaced Fracture of the Distal Tibia
Matthew L. Costa, PhD

PAPER #64

3:32 pm

UK Wound Management of Open Lower Limb Fractures (UK WOLLF): A Randomized Control Trial of Standard Wound Management versus Negative Pressure Would Therapy in the Treatment of Adult Patients with an Open Wound Fracture of the Lower Limb
Matthew L. Costa, PhD; Miguel Fernandez, MBBS

PAPER #65

3:38 pm

Discussion

3:43 pm

Δ Operative versus Nonoperative Treatment of Acute Displaced Distal Clavicle Fractures: A Multicenter Randomized Controlled Trial
(COTS) Canadian Orthopaedic Trauma Society; Jeremy Alan Hall, MD;
Niloofar Dehghan, MD; Emil H. Schemitsch, MD; Aaron Nauth, MD;
Robert Korley, MDCM; Robert G. McCormack, MD; Pierre Guy, MD;
Steven Ray Papp, MD; Michael D. McKee, MD

PAPER #66

Δ OTA Grant

See pages 401 - 442 for financial disclosure information.
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### Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>3:49 pm</td>
<td>Does Motion at 8 Weeks Predict Nonunion in Nonoperatively Managed Humeral Shaft Fractures? A Prospective Multicenter Evaluation</td>
</tr>
<tr>
<td>(p. 129)</td>
<td><strong>PAPER #67</strong> Paul Tornetta, III, MD; Lisa K. Cannada, MD; Robert A. Hymes, MD; Clifford B. Jones, MD; Brian H. Mullis, MD; Eben Carroll, MD; William Obremskey, MD; Andrew J. Marcantonio, DO; David C. Teague, MD; Robert F. Ostrum, MD; Michael Charles Tucker, MD; Dirk William Kiner, MD; Lauren Germany; Michael Del Core, MD; Sarah Dawson; Heidi Israel, PhD</td>
</tr>
<tr>
<td>3:55 pm</td>
<td>Multicenter Retrospective Analysis of Humeral Shaft Fractures: Are Sarmiento’s Results Widely Reproducible?</td>
</tr>
<tr>
<td>(p. 130)</td>
<td><strong>PAPER #68</strong> Rafael Serrano, MD; Hassan R. Mir, MD; H. Claude Sagi, MD; Daniel S. Horwitz, MD; John E. Tidwell, MD; John P. Ketz, MD; Brian J. Kistler, MD; Jonathan H. Quade, MD; Michael J. Beebe, MD; Anjan R. Shah, MD</td>
</tr>
<tr>
<td>4:01 pm</td>
<td>The FaB (Fractures and Bisphosphonates) Trial: A Multicenter, Double-Blind, Randomized Controlled Trial on the Effect of Alendronic Acid on Healing and Clinical Outcomes of Wrist Fractures</td>
</tr>
<tr>
<td>(p. 131)</td>
<td><strong>PAPER #69</strong> Andrew D. Duckworth, MD, PhD; Christopher E. Tuck, BSc; Aryelly Rodriguez, MSc; Gordon D. Murray, PhD; Stuart H. Ralston, MD</td>
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<tr>
<td>4:07 pm</td>
<td>Discussion</td>
</tr>
<tr>
<td>4:12 pm</td>
<td>Costs and Complications of Single-Stage Fixation Versus 2-Stage Treatment of Select Bicondylar Tibial Plateau Fractures</td>
</tr>
<tr>
<td>(p. 132)</td>
<td><strong>PAPER #70</strong> Walter W. Virkus, MD; Jesse Caballero, BS; Laurence B. Kempton, MD; Matthew Cavallero, MD; Rich Rosales, BS; Todd O. McKinley, MD; Greg E. Gaski, MD</td>
</tr>
<tr>
<td>4:18 pm</td>
<td>Locking Plate Fixation of Bicondylar Tibial Plateau Fractures Raises Treatment Costs Without Clinical Benefit</td>
</tr>
<tr>
<td>(p. 133)</td>
<td><strong>PAPER #71</strong> Matthew Cavallero, MD; Rich Rosales, BS; Jesse Caballero, BS; Walter W. Virkus, MD; Laurence B. Kempton, MD; Todd O. McKinley, MD; Greg E. Gaski, MD</td>
</tr>
<tr>
<td>4:24 pm</td>
<td>Discussion</td>
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</tbody>
</table>

### Session of General Interest:

**“Building Strong Public Health Care: The Dangers of Monopoly and Bureaucracy”**

**Brian Day, MD**
Honorary Associate Professor in Orthopaedics,
University of British Columbia
President, Cambie Surgeries Corporation

4:30 – 5:10 pm

5:10 pm-6:10 pm OTA BUSINESS MEETING
(Members Only) (General Session Room - West Ballroom AB)
THURSDAY, OCTOBER 12, 2017

5:10 pm-6:10 pm  HAPPY HOUR (in the Exhibit Hall)  
(West Exhibit Hall B)  
(All Meeting Attendees Invited)

6:10 pm-8:10 pm  WELCOME RECEPTION  
(West Ballroom CD)  
Join your colleagues for cocktails and hors d’oeuvres while enjoying breathtaking floor to ceiling views of the mountains and harbor.

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FRIDAY, OCTOBER 13, 2017

Pelvis and Acetabulum Fractures
Case Presentations (West Ballroom AB)
Moderator: Paul Tornetta III, MD
Faculty: Reza Firoozabadi, MD; David C. Templeman, MD; Joshua Layne Gary, MD and Cory A. Collinge, MD

7:00 am Scientific Posters, Technical Exhibits & Continental Breakfast (West Exhibit Hall B)

7:45 am - 9:30 am Concurrent Sessions
(General Session, Skills Labs, Mini Symposia and Case Presentations run concurrently.)
Scientific Paper Session 2: Foot and Ankle (7:45 am - 9:29 am)
Skills Labs (8:00 am - 9:00 am)
Mini-Symposia and Case Presentations (8:00 am - 9:30 am)

West Ballroom AB

SCIENTIFIC PAPER SESSION 2:
FOOT and ANKLE
7:45 – 9:29 am
Moderators - Brett D. Crist, MD & John D. Adams, MD

7:45 am
Single Screw Fixation Compared with Double Screw Fixation for Treatment of Medial Malleolar Fractures: A Prospective Randomized Trial
PAPER #72
Richard E. Buckley, MD FRCPC; Ernest Kwek, MD; Paul Duffy, MD; Robert Korley, MDCM; Emilia Rydberg Moller, MD; Andrew S.R. Buckley; Prism S. Schneider, MD, PhD

7:51 am
Weight Bearing or Non-Weight Bearing After Surgical Treatment of Ankle Fractures: The WOW! Study. A Multicenter Randomized Controlled Trial
PAPER #73
Diederik Pieter Johan Smeeting, MD; Roderick Marijn Houwert; Jan P. Briet; Koen Lansink, MD, PhD; Loek Leenen, MD, PhD; Peer Van der Zwaal; Stephan W.A.M. Van Zuthpen; Bas Twigt; Jochem M. Hoogendoorn; Egbert Verleisdonk; Michiel J.M. Segers; Falco Hietbrink

7:57 am
The AIM Trial Extended Follow–up: Three-year Outcomes from an Equivalence Randomized Clinical Trial Comparing Close Contact Casting with Internal Fixation Surgery for Unstable Malleolar Fractures in Patients Over 60 Years
PAPER #74
Keith Willett, MBBS; David Keene, PhD; Robert Handley, MB, BS; Tim Chesser, MBBS; Ian Pallister, MD; Dipesh Mistry, PhD; Susan Wagland, PhD; Scott Parsons, Ranjit Lall; Sallie Lamb, PhD

8:03 am Discussion

8:08 am
An Immediate Weight-Bearing Protocol for the Determination of Ankle Stability in Patients with Isolated Distal Fibular Fractures
PAPER #75
Eric Bonness, MD; Justin C. Siebler, MD; Lori K. Reed, MD; Matthew A. Mormino, MD

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FRIDAY, OCTOBER 13, 2017

9:18 am  Posterior Malleolar Fracture Morphology Determines Outcome in Rotational Type Ankle Fractures: A Prospective Clinical Trial  (p. 147)
PAPER #85
Robin Blom, PhD Candidate; Diederik Tim Meijer, MD;
Robert-Jan Oene De Muinck Keizer, MD, PhD; Inger Sierevelt, MSc;
Tim Schepers, MD, PhD; Sjoerd Stufkens, MD, PhD; Gino Kerkhoffs, MD, PhD;
J. Carel Goslings, MD, PhD; Job N. Doornberg, MD, PhD

9:24 am  Discussion
9:30 am  Refreshment Break
Visit Scientific Posters & Technical Exhibits  (West Exhibit Hall B)

8:00 am - 9:30 am  Concurrent Breakout Sessions
(Skills Labs, Mini Symposia and Case Presentations run concurrently.)
Skills Labs (8:00 am - 9:00 am)
Mini-Symposia and Case Presentations (8:00 am - 9:30 am)

8:00 – 9:00 am  SKILLS LABS

ARRIVE EARLY—
Labs Fill Quickly!

Distal Femur Plating  (West Meeting Room 119 & 120)
Lab Leader:  Gerard P. Slobogean, MD
Faculty:  Greg Gaski, MD; Jennifer Hagen, MD
and Jason Nascone, MD

SIGN Fracture Care International  (West Meeting Room 118)
Lab Leader:  Lewis G. Zirkle Jr., MD
Faculty:  John Ekure, MD; Kristoffer Roa, MD; Carla Smith, MD
and Paul Whiting, MD

Pilon Fracture Plating  (West Meeting Room 121 & 122)
Lab Leader:  John Scolaro, MD
Faculty:  David Barei, MD; James Learned, MD; Edward Westrick, MD
and Brad Yoo, MD

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The FDA has stated that it is the responsibility of the physician to determine the FDA clearance status of each drug or medical device he or she wishes to use in clinical practice.
The OTA is honored to welcome United Kingdom as the 2017 Guest Nation. We are pleased to have the opportunity for collaboration with these colleagues, and a chance to recognize their contributions and achievements.

(Symposium 2)  
**CHANGING THE SYSTEM: CAN WE IMPROVE TRAUMA CARE? EXPERIENCE FROM THE GUEST NATION**

Moderator: *Tim Chesser, MBBS*

**Introduction**  
*John F. Keating, MD*

**Comparisons and Differences of Health Care Systems and Trauma Care Between UK and North America**  
*Keith Willett, MBBS*

**Can We Improve The Outcome of Major Trauma Patients with a Trauma Network?**  
*Christopher G. Moran, MD*

**Hip Fractures - Does Standardisation and Audit Make a Difference?**  
*Tim Chesser, MBBS*

**Open Fractures - Centralisation of Care, What We Have Learned**  
*Michael Kelly, MBBS*

**Establishing a Multicentre Trauma Research Network - Early Results**  
*Mathew L. Costa, PhD*

**Questions**

See pages 401 - 442 for financial disclosure information.
11:30 am –  
12:00 pm

**JOHN BORDER, MD**  
**MEMORIAL LECTURER**  

*(General Session Room - West Ballroom AB)*  

**Roy Sanders, MD**  
Chairman, University of South Florida  
Department of Orthopedics  
President, Florida Orthopaedic Institute  
Chief, Orthopaedics, Tampa General  
Editor-in-Chief, Journal of Orthopaedic Trauma  
Temple Terrace, Florida, USA  

*“Observations in Innovation”*  
Introduction: William M. Ricci, MD, OTA President

| 12:10 pm – 1:10 pm | Lunch and Visit Scientific Posters & Technical Exhibits  
*(West Exhibit Hall B)* |
|-------------------|--------------------------------|

| 12:10 pm – 1:10 pm | **New Member Luncheon**  
*(tickets required)*  
*(West Meeting Room 306)* |
|-------------------|-----------------------------|

| 12:10 pm – 1:10 pm | **Women in Orthopaedic Trauma**  
Kathy Cramer, MD Memorial Luncheon  
*(tickets required)*  
*(West Meeting Room 301)*  
Chair: Carla Smith, MD |
|-------------------|--------------------------------|

| 12:25 pm – 1:10 pm | **LUNCHTIME GUIDED POSTER AND VIDEO TOURS**  
**Tickets Required** |
|-------------------|--------------------------------|

| **(PT1) Foot/Ankle**  
Guide: Paul Tornetta III, MD  
*(West Exhibit Hall B)* |
|-------------------|-------------------|

| **(PT2) Knee/Tibia**  
Guide: Stephen A. Kottmeier, MD  
*(West Exhibit Hall B)* |
|-------------------|-------------------|

| **(VT) Video Tours**  
Guide: Robert Ostrum, MD  
*(West Exhibit Hall B)* |
|-------------------|-------------------|

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FRIDAY, OCTOBER 13, 2017

1:15 pm - 2:45 pm  Concurrent Sessions
(General Session, Skills Labs, Mini Symposia and Case Presentations run concurrently.)
Scientific Paper Session 3: Pelvis and Acetabulum (1:15 pm - 2:24 pm)
Skills Labs (1:15 pm - 2:15 pm)
Mini-Symposia and Case Presentations (1:15 pm - 2:45 pm)

<table>
<thead>
<tr>
<th>West Ballroom AB</th>
<th>SCIENTIFIC PAPER SESSION 3: PELVIS and ACETABULUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:15 – 2:24 pm</td>
<td>Moderators - David W. Sanders, MD &amp; David J. Stephen, MD</td>
</tr>
</tbody>
</table>

1:15 pm  Assessing Quality of Reduction After Acetabular Fracture Surgery:
Importance of Gap Versus Step Displacement
PAPER #86 Diederik Verbeek, MD; Jelle van der List, MD; Camden Michael Tissue, MD; David L. Helfet, MD

1:21 pm  Acetabular Fractures with a Posterior Dislocation
Jamie Nicholson; John F. Keating, MD; Issaq Ahmed, MD
PAPER #87

1:27 pm  The Longitudinal Short, Medium, and Long-Term Functional Recovery
After Unstable Pelvic Ring Injuries
PAPER #88 Michael E. Neufeld, MD; Kelly A. Lefaivre, MD; Peter J. O’Brien, MD; Pierre Guy, MD; Abdullah Mamun; Henry Broekhuysse, MD

1:33 pm  Discussion

1:38 pm  Preperitoneal Pelvic Packing for Acute Hemorrhage Control Is Not
Associated with an Increased Risk of Infection After Anterior Pelvic
Ring Fixation
PAPER #89 Philip F. Stahel, MD; Clay Cothren Burlew, MD; Corey Henderson, MS; Fredric Pieracci, MD; Ernest E. Moore, MD

1:44 pm  Contrast Blush on CT Is a Poor Predictor of Active Bleeding on
Pelvic Angiography
PAPER #90 Andrew S. Do, BS; Benjamin Childs, BS; Sarah L. Gael, MD; Heather A. Vallier, MD

1:50 pm  Does Reduction Technique for Pelvic and Acetabular Injuries Affect
Trauma-Induced Coagulopathy? A Prospective Cohort Study
PAPER #91 Zackary O. Byrd, MD; Elizabeth Davis, MD; Prism S. Schneider, MD, PhD; Anabel Acuna, BS; April Vanderslice; Bryan A. Cotton, MD MPH; Milton L. Routt, MD; Joshua Gary, MD

1:56 pm  Discussion

2:01 pm  Percutaneous Transiliac-Transsacral Fixation of Sacral Insufficiency
Fractures Improves Ambulation and Rate of Disposition to Home
PAPER #92 J. Brock Walker, MD; Sean Mitchell, MD; Sean Karr, MD; Jason Lowe; Clifford Jones, MD

See pages 401 - 442 for financial disclosure information.
Fixation Strategy Using Sequential Intraoperative Examination Under Anesthesia for Unstable Lateral Compression Pelvic Ring Injuries

Reliably Predicts Union with Minimal Displacement

Frank R. Avilucea, MD; Michael T. Archdeacon, MD; Cory A. Collinge, MD; Marcus F. Sciadini, MD; H. Claude Sagi, MD; Hassan R. Mir, MD

Unstable Pelvic Ring Fixation: How Soon Can Patients Safely Bear Weight?

Lucas S. Marchand; Zachary Mark Working, MD; Ajinkya Rane, MD; Abby Howenstein, MD; Iain Elliott, MD; Justin Haller, MD; David L. Rothberg, MD; Thomas F. Higgins, MD

Concurrent Breakout Sessions
(Skills Labs, Mini Symposia and Case Presentations run concurrently.)

Skills Labs (1:15 pm - 2:15 pm)
Mini-Symposia and Case Presentations (1:15 pm - 2:45 pm)

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FRIDAY, OCTOBER 13, 2017

<table>
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<th>Time</th>
<th>Session Description</th>
<th>Location</th>
<th>Moderator/Faculty</th>
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<tr>
<td>1:15 – 2:45 pm</td>
<td>MINI SYMPOSIA AND CASE PRESENTATIONS</td>
<td>No Tickets Required</td>
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<tr>
<td></td>
<td>The Coming Bundle Mini Symposium</td>
<td>(West Meeting Room 109)</td>
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<td></td>
<td>Moderator: Kenneth A. Egol, MD</td>
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<td></td>
<td>Faculty: Joseph Bosco, MD; Roy Davidovitch, MD; A. Alex Jahangir, MD</td>
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<td></td>
<td>and Sanjit Konda, MD</td>
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<td></td>
<td>Compartment Syndrome: What You Need to Know to Stay Out of Trouble Mini Symposium</td>
<td>(West Meeting Room 110)</td>
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<td></td>
<td>Moderator: Cyril Mauffrey, MD, FACS, FRCS</td>
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<td></td>
<td>Faculty: Peter Giannoudis, MD, FACS, FRCS; David J. Hak, MD;</td>
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<td></td>
<td>Mark Hake, MD and Andrew Schmidt, MD</td>
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<td></td>
<td>Controversies in Patient Safety and Ethics Mini Symposium</td>
<td>(West Meeting Room 111 &amp; 112)</td>
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<td>Moderator: Douglas W. Lundy, MD</td>
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<td>Faculty: Michael T. Archdeacon, MD; John Campbell, MD; Samir Mehta, MD;</td>
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<td>Douglas Roger, MD; Jeffrey M. Smith, MD; Wade R. Smith, MD;</td>
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<td>Philip Stahel, MD; Todd Swenning, MD and Nirmal Tejwani, MD</td>
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<td></td>
<td>How to Use Ring Fixators (TSF and Ilizarov) for Tibia Fractures Mini Symposium</td>
<td>(West Meeting Room 114 &amp; 115)</td>
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<td>Moderator: Theodore Manson, MD</td>
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<td>Faculty: Joseph Hsu, MD; Kevin Tetsworth, MD and Stephen Quinnan, MD</td>
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<td></td>
<td>Complex Elbow Fracture Dislocations Mini Symposium</td>
<td>(West Meeting Room 116 &amp; 117)</td>
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<td>Moderator: William T. Obremskey, MD</td>
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<td>Faculty: Lisa K. Cannada, MD; Chad Corrigan, MD; Nikoofar Dehghan, MD;</td>
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<td></td>
<td>Michael D. McKee, MD and Emil H. Schemitsch, MD</td>
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<td></td>
<td>Pearls and Pitfalls in ORIF of Proximal Humerus Fractures Case Presentations</td>
<td>(West Meeting Room 208 &amp; 209)</td>
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<tr>
<td></td>
<td>Moderator: Utku Kandemir, MD</td>
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<td>Faculty: Michael J. Gardner, MD; John T. Gorczyca, MD; Michael D. McKee, MD</td>
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<td></td>
<td>SCIENTIFIC PAPER SESSION 4: UPPER EXTREMITY</td>
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<td></td>
<td>West Ballroom AB</td>
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<tr>
<td>2:24 – 3:16 pm</td>
<td>Moderators - Gregory J. Della Rocca, MD, PhD, FACS &amp; David C. Ring, MD, PhD</td>
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<tr>
<td>2:24 pm</td>
<td>Comparison of PROMIS to Legacy Patient-Reported Outcome Scores in Upper Extremity Trauma</td>
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<tr>
<td>PAPER #95</td>
<td>Elizabeth Gausden, MD; Danielle Sin, MS; Ashley Levack, MD; Andrew Nellestein, MS;</td>
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<td>Peter D. Fabricant, MD; David Stephenson Wellman, MD; Dean G. Lorich, MD</td>
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# MINI SYMPOSIA

## FRIDAY, OCTOBER 13, 2017

### 3:45 – 5:15 pm

<table>
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<tbody>
<tr>
<td><strong>MINI SYMPOSIA</strong></td>
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<tr>
<td><strong>What to Do with the Front:</strong></td>
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<tr>
<td><strong>Anterior Pelvic Ring Management</strong></td>
</tr>
<tr>
<td>Moderator: John Scolaro, MD</td>
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<td>Faculty: Jonathan Eastman, MD; Reza Firoozabadi, MD; Geoffrey Marecek, MD; Milton Routt, MD; Rahul Vaidya, MD and Raymond Wright, MD</td>
</tr>
<tr>
<td><strong>The Blasted Distal Femur Fracture:</strong></td>
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<tr>
<td><strong>How to Improve Outcomes</strong></td>
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<tr>
<td>Moderator: Lisa K. Cannada, MD</td>
</tr>
<tr>
<td>Faculty: Cory Collinge, MD; Robert Hymes, MD; Kyle Jeray, MD; Thomas Jones, MD and Erik Kubiak, MD</td>
</tr>
<tr>
<td><strong>Developing and Maintaining a Successful Clinical Research Program</strong></td>
</tr>
<tr>
<td>Moderator: Heather Vallier, MD</td>
</tr>
<tr>
<td>Faculty: Mary Breslin, BA; Julie Agel, ATC and William T. Obremskey, MD</td>
</tr>
<tr>
<td><strong>Orthopaedic Trauma Coding</strong></td>
</tr>
<tr>
<td>Moderator: Paul T. Appleton, MD</td>
</tr>
<tr>
<td>Faculty: J. Scott Broderick, MD; William R. Creevy, MD; Brett D. Crist, MD and M. Bradford Henley, MD</td>
</tr>
<tr>
<td><strong>The Smooth Hip Fracture Admission—Top 15 in Best Evidence to Avoid Complications</strong></td>
</tr>
<tr>
<td>Moderator: Pierre Guy, MD</td>
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<tr>
<td>Faculty: Stephen Kates, MD; Eric Meinberg, MD and Daniel Mendelson, MD</td>
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</tbody>
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### West Ballroom AB

### SCIENTIFIC PAPER SESSION 5: WRIST, HAND, TIBIA and PEDIATRIC

#### 3:46 – 5:30 pm

**Moderators - David J. Hak, MD & Cyril Mauffrey, MD, FACS, FRCS**

<table>
<thead>
<tr>
<th>Time</th>
<th>Paper</th>
<th>Authors</th>
</tr>
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<tbody>
<tr>
<td>3:46 pm</td>
<td>Volar Plate Fixation Versus Plaster in Extra-Articular Distal Radius Fractures: A Prospective Multicenter Randomized Controlled Trial</td>
<td>Marjolein A.M. Mulders, MD; Monique M.J. Walenkamp, MD, PhD; J. Carel Goslings, MD PhD; Niels W.L. Schep, MD, PhD</td>
</tr>
<tr>
<td>(p. 164)</td>
<td>PAPER #102</td>
<td></td>
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<tr>
<td>3:52 pm</td>
<td>The Efficacy of Mini C-Arm Fluoroscopy for the Closed Reduction of Distal Radius Fractures in Adults: A Randomized Controlled Trial</td>
<td>Steven Kyle Dailey, MD; Ashley R. Miller, MD; Rafael Kakazu, MD; John D. Wyrick, MD; Peter J. Stern, MD</td>
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<tr>
<td>(p. 165)</td>
<td>PAPER #103</td>
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See pages 401 - 442 for financial disclosure information.
3:58 pm  Δ Vehicle Steering Errors and Reaction Time Following Distal Radius Fracture Surgical Fixation
(p. 166)
PAPER #104  Lyle T. Jackson, MD; Michael Koerner, MD; Stephanie Lewis Tanner; Rebecca G. Snider; Jennifer McKay, OT; Johnnell O. Brooks, PhD; Kyle J. Jeray, MD

4:04 pm  Effectiveness of Postoperative Analgesic Immobilization in Patients with Distal Radius Fracture Treated with Volar Locking Plating:
(p. 167)
PAPER #105  Fernando Brandao Andrade-Silva, MD, PhD; Joao Pedro Rocha, MD; Adriana Carvalho, BSc; Kodi Edson Kojima; Jorge Santos Silva, MD, PhD

4:10 pm  A Prospective Randomized Controlled Trial Comparing Open Reduction and Internal Fixation, Non-Spanning External Fixation, and Closed Reduction with Percutaneous Fixation for Dorsally Displaced Distal Radius Fractures
(p. 168)
PAPER #106  Stephane Bergeron, MD, MPH; Rudolf Reindl, MD; Edward J. Harvey, MD, MSc; Hans J. Kreder, MD; Elham Rahme, PhD; Gregory K. Berry, MD; Canadian Orthopaedic Trauma Society

4:16 pm  Discussion

4:21 pm  Role of the Fibula in Predicting Tibial Nonunions After Intramedullary Nailing
(p. 169)
PAPER #107  Robert D. Wojahn, MD; Amanda Spraggs-Hughes; Michael J. Gardner, MD; William M. Ricci, MD; Christopher M. McAndrew, MD, MS

4:27 pm  Incidence of Rotational Malalignment After Intramedullary Nailing of Tibial Fractures: Efficacy of Low-Dose Protocolled Bilateral Postoperative CT Assessment
(p. 170)
PAPER #108  Nils Jan Bleeker, MSc; Job N. Doornberg, MD, PhD; Ruurd Jaarsma, MD, PhD; Megan Cain, MD, BSc; Kaj T.A. Lambers, MD

4:33 pm  Suprapatellar Versus Infrapatellar Approach to Intramedullary Nailing of Tibia Fractures: An Objective Measure of Knee Cartilage
(p. 171)
PAPER #109  Derek J. Donegan, MD; Kevin D’Aquilla, BS; Thomas Rose; Annamarie D. Horan, PhD; Patrick J. Hesketh, BS; Ravinder Reddy, PhD; Samir Mehta, MD

4:39 pm  Discussion

4:44 pm  Is Continuous Near-Infrared Spectroscopy (NIRS) Reliable to Monitor Development of Compartment Syndrome in Patients with Lower Leg Injuries?
(p. 172)
PAPER #110  Andrew H. Schmidt, MD; Michael Bosse, MD; Robert V. O‘Toole, MD; William Obremskey, MD; Vadim Zipunnikov, PhD; Junrui Di, PhD Candidate; Katherine Frey, MPH; Ellen MacKenzie, PhD; The Major Extremity Trauma Research Consortium

4:50 pm  Does Early Administration of Antibiotics After Open Tibia Fractures Really Decrease Infection Rates?
(p. 173)
PAPER #111  Steven F. Shannon; Daniel Mascarenhas, BS; Manjari Joshi, MD; Daniel Connelly, BA/BS; Robert V. O‘Toole, MD

4:56 pm  Discussion

The FDA has stated that it is the responsibility of the physician to determine the FDA clearance status of each drug or medical device he or she wishes to use in clinical practice.
FRIDAY, OCTOBER 13, 2017

5:01 pm
(p. 174)
PAPER #112

Best Trauma Paper at the 2017 POSNA Annual Meeting
“Acceptable Reduction” for Supracondylar Humerus Fractures in Children
Unni Narayanan, MBBS; William Wood, MD

5:07 pm
(p. 175)
PAPER #113

Single Versus Both Bone Fixation: A Retrospective Review of 10 Years of Pediatric Forearm Fractures
Ashley Miller, MD; Tyler Keller; Kevin Little, MD

5:13 pm
(p. 176)
PAPER #114

The Utility of Intraoperative Arthrogram in the Management of Pediatric Lateral Condyle Fractures of the Humerus
John S. Vorhies, MD; Shawn Funk, MD; Marilyn Elliott, BS; Anthony Ian Riccio, MD; Brandon Ramo, MD

5:19 pm
(p. 177)
PAPER #115

Rachel Mednick Thompson, MD; Elizabeth Hubbard, MD; Marilyn Elliott, BS; Anthony Ian Riccio, MD; Daniel Sucato, MD, MS

5:25 pm
Discussion

SCHEDULE

West Meeting Room 211

4:30 – 6:00 pm

SUDS N’ SCIENCE GUIDED POSTER AND VIDEO TOURS

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<tr>
<th>Time</th>
<th>Description</th>
<th>Location</th>
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<tbody>
<tr>
<td>5:35 – 6:20 pm</td>
<td>(PT3) Upper Extremity</td>
<td>(West Exhibit Hall B)</td>
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<tr>
<td></td>
<td>Guide: Michael D. McKee, MD</td>
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<tr>
<td>5:35 – 6:20 pm</td>
<td>(PT4) General Interest</td>
<td>(West Exhibit Hall B)</td>
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<td>Guide: Michael J. Gardner, MD</td>
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<tr>
<td>5:35 – 6:20 pm</td>
<td>(VT) Video Tours</td>
<td>(West Exhibit Hall B)</td>
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<td>Guide: Raphael Neiman, MD</td>
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See pages 401 - 442 for financial disclosure information.
The FDA has stated that it is the responsibility of the physician to determine the FDA clearance status of each drug or medical device he or she wishes to use in clinical practice.
SATURDAY, OCTOBER 14, 2017

7:00 am  Scientific Posters, Technical Exhibits & Continental Breakfast  
(West Exhibit Hall B)

West Ballroom AB

SYMPOSIUM 3:
MANAGING INFECTION IN ORTHOPAEDIC TRAUMA:  
REACHING CONSENSUS AND THE ROLE OF  
EMERGING TECHNOLOGIES

7:30 –  
9:00 am

Moderators:  Robert V. O’Toole, MD  
Emil H. Schemitsch MD

Introduction  
Emil H. Schemitsch, MD

The Infected Fracture: Can We Agree on Standard Definitions?  
Cyril Mauffrey, MD, FACS, FRCS

Diagnosing Infection in Orthopaedic Trauma: We Have a Problem!  
Robert V. O’Toole, MD

Infection Diagnosis, Treatment, and Prevention  
Technologies on the Horizon  
Mark E. Shirtliff, PhD

Hardware Considerations: When and How to Remove or  
Revise the Fixation!  
Paul Tornetta III, MD

Acute and Chronic Infection: Is There a Gold Standard  
for Management of the Wound and Bone Defect?  
Peter V. Giannoudis, MD, FACS, FRCS

Question, Answer and Case Discussion

9:00 am - 10:38 am  Concurrent Sessions  
(General Session and Mini Symposia run concurrently.)  
Scientific Paper Session 6: Polytrauma and Post Traumatic Reconstruction  
(9:00 am - 10:38 am)  
Mini-Symposia (9:00 am - 10:30 am)

West Ballroom AB

SCIENTIFIC PAPER SESSION 6:  
POLYTRAUMA AND  
POST TRAUMATIC RECONSTRUCTION

9:00 –  
10:38 am

Moderators - Brett D. Crist, MD & Michael D. McKee, MD

9:00 am  Incidence of Complications and Mortality in Polytrauma Patients  
(p. 178)  
Managed Either with ETC or DCO: Lessons Learned  
PAPER #116  Siddharth R. Shah, MBBS; Michael McArdle; Peter V. Giannoudis, MD, FACS, FRCS

See pages 401 - 442 for financial disclosure information.
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SATURDAY, OCTOBER 14, 2017

10:09 am  
NURD 2.0: Prediction of Tibial Nonunion at Any Time Within
3 Months of Injury
PAPER #125
Robert V. O’Toole, MD; Josef Jolissaint, BS; Kevin O’Halloran, MD;
Anthony R. Carlini, MS; Keir Ross, BS; Justin Fowler, MD; Renan C. Castillo, PhD

10:15 am  
Delay in Flap Coverage for Open Tibia Fractures Increases Inpatient Complications: A Cohort Study of 140 North American Trauma Centers
Improvement Program
Daniel Pincus, MD; James Byrne, MD; Avery Nathens; Anna N. Miller, MD;
Philip R. Wolinsky, MD; David Wasserstein, MD; Bheeshma Ravi; Steven Borland;
Richard John Jenkinson, MD

10:21 am  
Treatment of Bone Defects in Open Tibia Fractures Treated with an IMN
William Obremskey, MD; Paul Tornetta, III, MD; Saam Morshed, MD, PhD;
Robert V. O’Toole, MD; Joseph R. Hsu, MD; Ellen MacKenzie, PhD; Katherine Frey, MPH;
Michael Bosse, MD; Jason Luly, MS; Major Extremity Trauma Research Consortium

10:27 am  
Predictors of Complications in Severe Open Fractures
Ida Leah Gitajn; Sheila Sprague, PhD; Brad A. Petrisor, MD; Kyle J. Jeray, MD;
Nathan O’Hara, MA; Jason Nascone, MD; Mohit Bhandari, MD; Gerard P. Slobogean, MD

10:33 am Discussion
10:38 am Refreshment Break
Visit Scientific Posters & Technical Exhibits
(West Exhibit Hall B)

9:00 – 10:30 am MINI SYMPOSIA No Tickets Required

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<tr>
<th>MINI SYMPOSIA</th>
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<tr>
<td>Shoulder Girdle Injuries: Optimizing Decision Making and Surgical Management in 2017</td>
<td>(West Meeting Room 109)</td>
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<tr>
<td>Moderator: Emil H. Schemitsch, MD</td>
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<tr>
<td>Faculty: Peter Cole, MD; Niloofar Dehghan, MD; Clifford B. Jones, MD; Frank Lorapace, MD and Aaron Nauth, MD</td>
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<tr>
<td>Fragility Fractures and Bone Health: Current State of the Art</td>
<td>(West Meeting Room 110)</td>
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<tr>
<td>Moderator: Michael J. Gardner, MD</td>
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<td>Faculty: Kenneth A. Egol, MD; Kyle J. Jeray, MD; Clifford B. Jones, MD and Joseph Lane, MD</td>
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<tr>
<td>Displaced Femoral Neck Fractures – What is the Evidence?</td>
<td>(West Meeting Room 111 &amp; 112)</td>
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<tr>
<td>Moderator: John T. Gorczyca, MD</td>
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<td>Faculty: Catherine Humphrey, MD; Robert Dunbar, MD; Kyle Judd, MD; Gillian Soles, MD and David Stephen, MD</td>
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<td>Anterior Approaches to the Acetabulum Can We All Just Get Along?</td>
<td>(West Meeting Room 114 &amp; 115)</td>
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<td>Moderator: Jason Nascone, MD</td>
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<tr>
<td>Faculty: Pierre Guy, MD; Keith Mayo, MD and Marcus F. Sciadini, MD</td>
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11:14 am  Screening for and Treating Intranasal Staphylococcus Carriage Correlates with Reduced Surgical Site Infections Complicating Operative Fracture Repair
PAPER #130  
Abigail Cortez, BA; James Burns, MS; Moses Lee, BA; Mariya Samoylova, BS; Eleni Berhaneselase, BA; Pouria Ghaoumi, MD; Alexander A. Theologis, MD; Saam Morshed, MD, PhD

11:20 am  Decreased Time to Antibiotic Prophylaxis for Open Fractures at a Level One Trauma Center
PAPER #131  
Joseph Johnson, MD; Avi Goodman, MD; Adam Haag, MD; Roman A. Hayda, MD

11:26 am  Diagnostic Accuracy of Various Modalities Relative to Open Bone Biopsy for Detection of Long Bone Posttraumatic Osteomyelitis
PAPER #132  
Vivek Chadayammuri, BS; Herbert Benoit; Jiandong Hao; Juan Quispe; Ji-Wan Kim, MD; Heather Young; Mark Hake, MD; Cyril Mauffrey, MD, FACS, FRCS

11:32 am  Discussion

11:37 am  Significant Reduction of Intraoperative Material Costs Through Surgeon Intervention
PAPER #133  
Laurence B. Kempton, MD; Todd O. McKinley, MD; Greg E. Gaski, MD; Anthony T. Sorkin, MD; Walter W. Virkus, MD

11:43 am  Operative Treatment of Tibial Plateau Fractures: Does a Submeniscal Arthrotomy Improve Long Term Patient Outcome? A Prospective Surgeon Randomized Clinical Trial
PAPER #134  
Richard E. Buckley, MD, FRCP; Paul Duffy, MD; Robert Korley, MDCM; Emilia Rydberg Moller, MD; C. Ryan Martin, MD; Rafael Martinez Gallino, MD; Prism S. Schneider, MD, PhD

11:49 am  Discussion

11:54 am  Sleep Disturbance in Orthopaedic Trauma Patients
PAPER #135  
Matthew Charles Swann, MD; Miles Batty, BS; Gene Hu, BS; Thomas Mitchell, BS; Hayden Box, MD; Adam J. Starr, MD

12:00 pm  Inpatient Compliance with Venous Thromboembolism Prophylaxis in Orthopaedic Trauma: A Pragmatic Randomized Controlled Trial of Aspirin Versus Low Molecular Weight Heparin
PAPER #136  
Bryce Haac, MD; Richard Van Besien, BA; Nathan N. O’Hara; Gérard P. Slobogean, MD; Deborah Stein, MD, MPH; Robert V. O’Toole, MD; Theodore T. Manson, MD

12:06 pm  Tranexamic Acid Use in High-Energy Pelvic, Acetabular, and Femoral Fractures
PAPER #137  
Clay Spitler, MD; Elliot Row; Warren E. Gardner; Michael Hankins; Rachel Swafford, MPH; Peter J. Nowotarski; Dirk William Kiner, MD

12:12 pm  Discussion

See pages 401 - 442 for financial disclosure information.
How to Best Measure Changes in Clinical Status over Time: An Analysis of the Performance of Generic and Musculoskeletal Specific Functional Outcome Measures in Single Injury and Multiple Injury Patients

Graham Sleat; Kelly A. Lefaivre, MD; Pierre Guy, MD; Henry Broekhuysye, MD; Abdullah Mamun; Peter J. O’Brien, MD

Early Effects of the Trauma Collaborative Care Intervention: Results from a Prospective Multicenter Cluster Clinical Trial

Stephen Wegener, PhD; Kristin Archer, PhD; Michael Bosse, MD; Eben Carroll, MD; Joshua Gary, MD; Clifford Jones, MD; Anna Bradford Newcomb, PhD; Andrew N. Pollak, MD; Debra Sietsema, PhD; Heather A. Vallier, MD; Renan C. Castillo, PhD; Susan Collins, MSc; Katherine Frey, MPH; Yanjie Huang, MS; Daniel Scharfstein, PhD; Ellen MacKenzie, PhD; METRC Major Extremity Trauma Research Consortium

Predicting Completion of a Follow-up in Long Term Prospective Orthopedic Trauma Research

Graham Sleat; Kelly A. Lefaivre, MD; Pierre Guy, MD; Henry Broekhuysye, MD; Abdullah Mamun; Peter J. O’Brien, MD

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### SATURDAY, OCTOBER 14, 2017

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<th>Time</th>
<th>Session</th>
<th>Description</th>
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<td>1:40 pm</td>
<td>MINI SYMPOSIA</td>
<td>No Tickets Required&lt;br&gt;&lt;br&gt;<strong>Complex Knee Dislocations</strong>&lt;br&gt;Moderator: William T. Obremskey, MD&lt;br&gt;Faculty: John Adams, MD; Frank Avilucea, MD and William Harvin, MD&lt;br&gt;&lt;br&gt;<strong>Controversies in Ankle Fractures</strong>&lt;br&gt;Moderator: John T. Gorczyca, MD&lt;br&gt;Faculty: John Ketz, MD; Raymond Wright, MD; Gillian Soles, MD and Kevin Pugh, MD&lt;br&gt;&lt;br&gt;<strong>The Joint Is a Mess, Now What?</strong>&lt;br&gt;How to Restore Function when Intra-articular Fracture Surgery Fails&lt;br&gt;Moderator: Emil H. Schemitsch, MD&lt;br&gt;Faculty: Michael D. McKee, MD; Chad Myeroff, MD; Aaron Nauth, MD and David W. Sanders, MD</td>
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<tr>
<td>1:40 pm</td>
<td>SCIENTIFIC PAPER SESSION 8: HIP, FEMUR and GERIATRIC</td>
<td>Moderators - Gilbert R. Ortega, MD &amp; Gerard P. Slobogean, MD&lt;br&gt;&lt;br&gt;<strong>A Randomised Controlled Trial Comparing the Thompsons Versus the Exeter® Polished Taper Stem and Unitrax® Head in the Treatment of Displaced Intracapsular Fractures of the Hip: The WHiTE 3: HEMI Trial</strong>&lt;br&gt;Alex L. Sims; Nick Parsons; Juul Achten; Xavier L. Griffin; Matthew L. Costa, PhD; Mike Reed&lt;br&gt;&lt;br&gt;<strong>THR Versus Hemiarthroplasty for Displaced Intracapsular Fractures: Predicting Outcomes and Selecting Patients</strong>&lt;br&gt;Julie R. M. Craig, MB, BS; Sinead McDonald; R. John Barr, MB, BS&lt;br&gt;&lt;br&gt;<strong>Continuous Femoral Nerve Catheters Decrease Opioid-Related Side Effects and Increase Home Disposition Rates Among Geriatric Hip Fracture Patients</strong>&lt;br&gt;Diren Arsoy, MD; Michael J. Gardner, MD; Stuart Barry Goodman, MD, PhD; William J. Maloney, MD; James I. Huddleston, MD; Derek F. Amanatullah, MD, PhD; Julius A. Bishop, MD&lt;br&gt;&lt;br&gt;<strong>A Novel Tool to Predict Inpatient Triage and Hospital Quality Measures in the Geriatric Trauma Population at Time of Admission</strong>&lt;br&gt;Sanjit Reddy Konda; Ariana Lott, BA; Hesham Saleh, MD; Thomas R. Lyon; Kenneth A. Egol, MD</td>
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See pages 401 - 442 for financial disclosure information.
Any Femoral Neck Shortening Post Fracture Fixation Negatively Impacts Functional Outcomes
Gerard P. Slobogean, MD; Gregory J. Della Rocca, MD, PhD, FACS; Susan Liew; Robert Haverlag; Sheila Sprague, PhD; Nathan N. O’Hara; Marc F. Swiontkowski, MD; Mohit Bhandari, MD; FAITH Investigators

Gait Analysis Following Intertrochanteric Hip Fractures: Does Shortening Result in Gait Impairment?
Elizabeth Gausden, MD; Ashley Levack, MD; Lauren Wessel, MD; Gele Moloney, MD; Danielle Sin, MS; Joseph M. Lane, MD; Dean G. Lorich, MD

Hip Fracture Patients on Non-Warfarin Anticoagulants: Is Surgical Delay Warranted?
Ariana Lott, BA; Jack Haglin, BS; Rebekah Belayneh, BA; Sanjit Reddy Konda, MD; Philipp Leucht, MD; Kenneth A. Egol, MD

Factors Associated with Revision Surgery Following Internal Fixation of Hip Fractures
Sheila Sprague, PhD; Emil H. Schemitsch, MD; Marc F. Swiontkowski, MD; Gregory J. Della Rocca, MD, PhD, FACS; Kyle J. Jeray; Susan Liew; Gerard P. Slobogean, MD; Diane Heels-Ansdell, BSc; Mohit Bhandari, MD; FAITH Investigators

Short Versus Long InterTAN Fixation for Geriatric Intertrochanteric Hip Fractures: A Prospective, Multicentre Head-to-Head Comparison
Michael Edward Sellan, MD; Christina Tieszer, BSc; Diane Bryant; Steven Ray Papp, MD; Abdel-Rahman Lavendy; Timothy Carey, MD; J. Andrew Trenholm; Mark MacLeod; Darius G. Viskontas; Chad P. Coles; Wade T. Gofton; Trevor M. Stone; Allan S.L. Liew; Ross K. Leighton, MD; David W. Sanders, MD

Fixation Failure and Time to Reoperation After Internal Fixation of Young Femoral Neck Fractures: A Population-Based Study
David John Stockton, MD; Lyndsay M. O’Hara, PhD; Nathan N. O’Hara; Kelly A. Lefaivre, MD; Peter J. O’Brien, MD; Gerard P. Slobogean, MD

Open Reduction is Associated with Greater Propensity-Stratified Hazard of Reoperation After Internal Fixation of Femoral Neck Fractures in Adults 18-65 Years of Age
Joseph Patterson, MD; Keisuke Ishii, MD; Paul Tornetta III, MD; Darin Friess, MD; Clifford Jones, MD; Ross K. Leighton, MD; Ari Levine, MD; Brian H. Mullis, MD; William Obremskey, MD; Robert F. Ostrum, MD; Anas Saleh; Andrew H. Schmidt, MD; David C. Teague, MD; Antonios Tjimenakis, MD; J. Spence Reid, MD; Theodore Miclau III, MD; Saam Morshed, MD, PhD

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3:01 pm  Femoral Neck Stress Fractures: Clinical Course and MRI Risk Factors for Progression
(P. 214)
PAPER #152  
Clarence Steele, MD; Grant Cochran, MD; Christopher Renninger, MD; Bradley Keith Deafenbaugh; Kevin M. Kuhn, MD

3:07 pm  Discussion

3:12 pm  Treatment of Femoral Neck Fractures in Patients 45 to 64 Years of Age
(P. 215)
PAPER #153  
Joseph Johnson, MD; Justin Kleiner, BS; Avi Goodman, MD; Joseph A. Gil, MD; Alan H. Daniels; Roman A. Hayda, MD

3:18 pm  Is Distal Locking Necessary in Long Cephalomedullary Nailing of Intertrochanteric Fractures?
(P. 216)
PAPER #154  
Hamid R. Mostafavi, MD; Arianna Caruso, BS; Margaret Cooke, MD; Andrew S. Lee, MD, MS; Nicholas A. Teri, BS; Paul Tornetta III, MD

3:24 pm  Early Comparative Outcomes of of Continuous Carbon Fiber-Reinforced Polymer Plate in Fixation of Distal Femur Fractures
(P. 217)
PAPER #155  
Adam K. Lee, MD; Phillip M. Mitchell, MD; Bruce H. Ziran, MD; A. Alex Jahangir, MD

3:30 pm  Discussion

3:36 pm  New versus Old: A Prospective, Randomized Controlled Trial Comparing the 95° Angled Blade Plate with the Locking Condylar Plate for Distal Femur Fractures
(P. 218)
PAPER #156  
Brendan M. Patterson, MD, MBA; Mary Alice Breslin, BA; Leanne Wadenpfuhl, BA; Heather A. Vallier, MD

3:42 pm  A Prospective Randomized Control Trial Comparing Immediate Weight Bearing Versus Touch-Down Weight Bearing in Extra-Articular Distal Femur Fractures
(P. 219)
PAPER #157  
Daniel Allen Bravin, MD; David F. Hubbard, MD; Lindsey Bravin, MD; John C. France, MD; Michelle A. Bramer, MD

3:48 pm  Radiographic Healing of Far Cortical Locking Constructs in Distal Femur Fractures: A Comparative Study with Standard Locking Plates
(P. 220)
PAPER #158  
Yanin Plumarom, MD; Michael Willey, MD; Yubo Gao, PhD; Brandon G. Wilkinson, MD; J. Lawrence Marsh, MD; Matthew D. Karam, MD

3:54 pm  Discussion

4:00 pm  Closing Remarks and Adjourn

See you next year in Orlando, Florida, October 17-20, 2018