#OTA2017

20+ AMA PRA CATEGORY I CREDITS™

Wifi Login: OTA2017
Password: Vancouver

Download the OTA 2017 Annual Meeting app from the App Store or Google Play.

MEETING AT A GLANCE

PROGRAM COMMITTEE
Michael D. McKee, MD Program Chair
Michael J. Gardner, MD Program Co-Chair
Brett D. Crist, MD
Gregory J. Della Rocca, MD, PhD, FACS
David J. Hak, MD
Stephen A. Kottmeier, MD
Gilbert R. Ortega, MD
David W. Sanders, MD
Gerard P. Slobogean, MD

33rd Annual Meeting
October 11-14, 2017
Vancouver Convention Center
Vancouver, BC, Canada
New MAXFRAME™ Multi-Axial Correction System — Accuracy / Efficiency / Outcomes

**Accuracy:** Perspective Frame Matching and ASSURE-STRUT™ Technology are designed to increase the treatment plan accuracy.

**Efficiency:** A simplified surgical workflow and streamlined set configuration, can decrease your time in the OR.

**Outcomes:** The MAXFRAME 3D Software provides a dynamic visualization of the patient treatment plan, letting you plan for success even before adjusting the first strut.

3D Problems need 3D Solutions

For more information, contact your DePuy Synthes Sales Consultant or visit maxframesystem.com
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Have a question for the speakers during the General Session, email the moderator: otaannualmeeting@gmail.com
In 1998, I attended my very first OTA Annual Meeting in Vancouver. Nineteen years later, as OTA President, I welcome you to the 33rd Orthopaedic Trauma Association Annual Meeting in Vancouver, British Columbia. Please enjoy some of the parallels between the growth and maturity of the city of Vancouver and the Orthopaedic Trauma Association.

Since 1998, OTA membership has grown from 323 to 2,029. We now have 10 membership categories (compared to 4 in 1998) with international member growth outpacing all others. We welcome a record numbers of international attendees, especially from Asia (due to proximity), from our Guest Nation the United Kingdom, and SIGN scholars from the Philippines and Uganda. Just as membership has seen substantial growth, the OTA Annual Meeting has grown substantially in size and scope in the past two decades:

<table>
<thead>
<tr>
<th></th>
<th>Vancouver 1998</th>
<th>Vancouver 2017</th>
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<tbody>
<tr>
<td>Attendees</td>
<td>564</td>
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<tr>
<td>Submitted Abstracts</td>
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<td>Podium Presentations</td>
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<tr>
<td>Main Symposia</td>
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<td>International Forum</td>
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<td>Yes</td>
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<tr>
<td>Guest Nation</td>
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<td>United Kingdom</td>
</tr>
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<td>Breakout Sessions</td>
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<td>Industry Exhibitors</td>
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<td>Pre-Meeting Events</td>
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<tr>
<td>Coding Course</td>
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<tr>
<td>Basic Science Forum</td>
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<td>Yes</td>
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<tr>
<td>Boot Camp</td>
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<td>PA / NP Course</td>
<td>No</td>
<td>Yes</td>
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<tr>
<td>Residents Course</td>
<td>Yes</td>
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Don’t miss the 2017 Border Lecture, “Observations in Innovation”, by our Past President Roy Sanders. Other noteworthy events include the charter signing for the new International Orthopaedic Trauma Association, a consortium of international societies, on Wednesday evening. Many behind the scenes meetings of our various committees and leadership will help shape the future of our organization with updates presented at our Business Meeting on Thursday, October 12 at 5:10 pm. Finally, and importantly, please be sure to visit the exhibit hall often where our industry partners will be presenting their latest innovations.

The tireless work of our membership, staff, and partners over the past two decades has created a world-class meeting where practitioners at all levels from around the globe come to be updated on the latest in our field. Many special thanks to Mike McKee and Mike Gardner and the entire Program Committee, our local hosts Pierre Guy, Kelly Lefaivre, and Peter O’Brien, OTA staff and all others for putting together another fantastic and innovative program. Clearly, this is a very special meeting for me. I hope it will be a great learning and personal experience, connecting with friends and colleagues, for you as well. Enjoy the meeting!

Sincerely,

William M. Ricci, MD
GENERAL QUESTIONS

1. **IS WI-FI AVAILABLE?**
   Yes, in the Vancouver Convention Center. **Wi-Fi Login:** OTA2017  
   **Password:** Vancouver

2. **WHERE CAN I DOWNLOAD THE OTA ANNUAL MEETING APP?**
   iTunes and Google Play store. (Search OTA 2017 Annual Meeting)

3. **WHERE IS THE SPEAKER READY ROOM? IS IT OPEN?**
   Speaker Ready Room is in WMR 103.  
   Open Tuesday 4:00 pm - 6:00 pm; and Wednesday thru Saturday 6:00 am - 6:30 pm

4. **WHERE IS THE CONTINENTAL BREAKFAST?**
   Outside meeting rooms starting at 6:15 am; exhibit hall beginning at 7 am.

5. **WHERE ARE THE REFRESHMENT BREAKS AND LUNCHES?**
   West Exhibit Hall B

6. **WHERE IS THE RESIDENT COURSE? WHERE SHOULD RESIDENTS PICK UP THEIR BADGES?**
   WMR 213 – 224

7. **WHERE SHOULD ATTENDEES PICK UP THEIR BADGES?**
   Level 1 West Ballroom Lobby

8. **WHERE ARE THE COMMITTEE MEETINGS?**
   Download the OTA Mobile App for updated listing. Registration desk also has committee schedule.

9. **HOW DO I GET MY CME’S?**
   All attendees will be emailed an evaluation.  When you complete the survey and press submit; your CME will appear on the screen.  Save it to the desktop if you are unable to print it at the time of submission.

10. **WILL MY CME’S BE TRANSFERRED TO MY AAOS TRANSCRIPTS?**
    Yes, if the OTA has your AAOS ID number; CME credits will be sent to AAOS by December 1, 2017.

11. **WHERE IS THE VIDEO SHOWCASE? IS IT OPEN?**
    Ballroom Foyer (Outside the General Session Room)  
    Open Wednesday 12:00 pm - 5:00 pm; Thursday thru Saturday 6:30 am - 5:00 pm

12. **ARE THE SESSIONS VIDEOTAPE?**
    Attendees may purchase ON-DEMAND ACCESS to over 70+ hours of pre-meeting events, break-outs and key-presentations.  Earn CME’s for up to 2 years post-meeting. Visit On-Demand booth located in ballroom lobby for additional details.

13. **HOW DO I BECOME A MEMBER?**
    Go to www.ota.org to apply online.  Next deadline: November 1, 2017

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*WEST MEETING ROOM = WMR*
14. **WHERE IS THE GENERAL SESSION ROOM?**
West Ballroom AB

**EXHIBITS**
1. **WHERE ARE THE EXHIBITS? ARE THEY OPEN NOW?**
   - West Exhibit Hall B
   - Thursday 2:30 pm - 6:30 pm;
   - Friday 7:00 am - 10:00 am; 12:10 pm - 1:10 pm; 3:00 pm - 6:15 pm
   - Saturday 7:00 am - 1:45 pm

**FELLOWSHIP QUESTIONS**
1. **WHERE ARE THE FELLOWSHIP INTERVIEWS?**
   - All Fellowship individual interviews will be held at the Convention Center.
   - All Fellowship Information Sessions (large group) will be at the Pan Pacific Hotel Oceanview Suites 1-4 / Restaurant and Gallery Level of the Hotel.
2. **DO YOU HAVE A LISTING OF THE FELLOWSHIP PROGRAMS?**
   - Yes, visit the registration desk or locate Fellowship Information on the OTA Meeting App.
3. **WHERE AND WHEN IS THE FELLOW GRADUATION?**
   - West Meeting Room 120; Saturday; 12:40 pm – 1:40 pm
4. **WHEN AND WHERE IS THE COTA LUNCH?**
   - West Meeting Room 302-303; Friday; 12:10 pm – 1:10 pm

**REGISTRATION QUESTIONS**
1. **WHAT IF SOMEONE LOSES OR FORGETS THEIR BADGE THEY ALREADY PICKED UP?**
   - Go to the registration desk for assistance.
2. **CAN I BUY A ONE-DAY BADGE?**
   - Yes. The cost is $350.00.
3. **CAN I LISTEN TO MY COLLEAGUE’S PRESENTATION WITHOUT REGISTERING FOR THE ENTIRE SESSION?**
   - Visit the OTA registration desk for assistance.
4. **CAN I GO TO THE NEW MEMBER LUNCHEON, WOMEN’S LUNCHEON, OR INDUSTRY SESSIONS WITHOUT REGISTERING?**
   - Registration and tickets are required. See the Registration Staff to register.
5. **DO I NEED TO REGISTER TO ATTEND THE ANNUAL MEETING LABS?**
   - No. Go directly to lab room. Space is limited. Arrive early.

*WEST MEETING ROOM = WMR*
POSTERS AND PRESENTATIONS

1. **WHERE AND WHEN CAN POSTERS BE SET UP?**
   West Exhibit Hall B; Set-up: Thursday, October 12, 7:00 am – 12:00 pm

2. **WHEN CAN POSTERS BE TAKEN DOWN?**
   Saturday, October 14, 1:30 pm – 4:30 pm.
   Posters are not to be removed before 1:30 pm.
   Posters not removed by 4:30 pm Saturday, October 14 will be discarded

3. **I FORGOT MY PUSH-PINS FOR MY POSTER; WHERE MAY I GET SOME?**
   The Registration Desk may have extra push-pins.

RECEPTIONS

1. **WHERE AND WHEN IS THE INTERNATIONAL RECEPTION?**
   Ocean Foyer Level 1; Wednesday; 4:45 pm - 6:30 pm

2. **WHERE AND WHEN IS THE MILITARY RECEPTION?**
   Ocean Foyer Level 1; Friday; 5:30 pm – 6:30 pm

3. **WHERE AND WHEN IS THE ATTENDEE HAPPY HOUR?**
   West Exhibit Hall B; 5:10 pm - 6:10 pm

4. **WHERE AND WHEN IS THE ANNUAL MEETING RECEPTION?**
   West Ballroom CD; 6:10 pm - 8:10 pm
PRE-MEETING & CONCURRENT EVENTS

Orthopaedic Trauma Boot Camp
West Meeting Rooms (WMR)
Wednesday 7:00 am - 4:20 pm; Thursday 7:00 am - 11:00 am

Basic Science Focus Forum
WMR 109 & 110
Wednesday 7:30 am - 4:56 pm; Thursday 7:30 am - 11:05 am

International Orthopaedic Trauma Care Forum
WMR 118 - 120
Wednesday 7:30 am - 4:30 pm
Thursday 7:25 am - 11:00 am

International Reception (IOTA Charter Signing)
Ocean Foyer Level 1
Wednesday 4:45 pm - 6:30 pm

E&M and CPT Coding for Trauma Surgeons
WMR 208 - 209
Wednesday 9:00 am - 4:00 pm

Residents Comprehensive Fracture Course
WMR 213 - 224
(See program)
Wednesday 7:15 am - 5:10 pm
Thursday 7:15 am - 5:10 pm
Friday 7:15 am - 4:15 pm

Orthopaedic Trauma for PAs and NPs
WMR 301 - 305
Wednesday 7:00 am - 5:30 pm (Reception 5:30 - 6:30 pm);
Thursday 7:00 am - 11:00 am

Young Practitioners Forum
WMR 306
Thursday 6:30 am - 11:00 am

Industry Sessions
See Page 5
Wednesday 6:30 pm - 8:00 pm
Thursday 11:15 am - 12:45 pm
Friday 6:30 pm - 8:00 pm
See Pages 7-9
See Page 18

ADDITIONAL INFORMATION

Speaker Ready Room
WMR 103
Open Tuesday 4:00 pm - 6:00 pm;
Wednesday thru Saturday 6:00 am - 6:30 pm

Technical Exhibits and Scientific Posters
West Exhibit Hall B
Thursday 2:30 pm - 6:30 pm;
Friday 7:00 am - 10:00 am; 12:10 pm - 1:10 pm; 3:00 pm - 6:15 pm;
Saturday 7:00 am - 1:45 pm

OTA Video Showcase
Ballroom Foyer (Outside the General Session Room)
Open Wednesday 12:00 pm - 5:00 pm; Thursday thru Saturday 6:30 am - 5:00 pm

Refreshment Breaks & Lunches
West Exhibit Hall B
PRE-MEETING EVENTS

WEDNESDAY, OCTOBER 11

ORTHOPAEDIC TRAUMA BOOT CAMP  
WMR 211

7:05 am - 9:00 am  Trauma Boot Camp Presentations
9:20 am - 10:00 am SKILLS LABS
    Proximal Humerus (Plating) Skills Lab  WMR 211
    Distal Humerus (Plating) Skills Lab  WMR 116 & 117

10:00 am - 12:00 pm  Trauma Boot Camp Presentations
12:00 pm  Lunch and Case Presentations
1:00 pm - 2:20 pm  Trauma Boot Camp Presentations
2:20 pm - 3:00 pm SKILLS LABS
    Pilon Plating Skills Lab  WMR 116 & 117
    Extended Nailing Tibial Nailing Skills Lab  WMR 211

3:00 pm - 4:20 pm  Trauma Boot Camp Presentations
4:30 pm  Adjourn

ORTHOPAEDIC TRAUMA FOR PAs and NPs  
WMR 301 - 305

7:00 am - 10:00 am  PA/NP Course Presentations
10:15 am - 11:45 am SKILLS LABS
    Femoral Nail Skills Lab  WMR 301 - 305
    Lower Extremity/External Fixation Skills Lab  WMR 306

11:45 am - 1:15 pm  Lunch and PAs/NPs in Orthopaedics: ‘Rules, Reimbursement and Realities’
    Daniel J. Coll, MPH, PA-C and Dennis C. Gregory, PA-C

1:15 pm - 3:45 pm  PA/NP Course Presentations
4:00 pm - 5:30 pm SKILLS LABS
    Suturing Skills Lab  WMR 301 - 305
    Distal Humerus Plating Skills Lab  WMR 306

5:30 pm - 6:30 pm  Reception  Summit Foyer (Level 3)

INTERNATIONAL TRAUMA CARE FORUM  
WMR 118 - 120

7:30 am  Welcome
7:35 am - 8:15 am Symposium 1: Surgical Techniques How I Do It
8:15 am - 8:44 am Paper Session 1: Pelvis & Acetabulum
8:44 am - 9:00 am SIGN Scholars Presentations
9:00 am - 9:40 am Paper Session 2: Best of the Best
9:50 am - 10:40 am Symposium 2: Guest Nation (United Kingdom)
10:40 am - 11:12 am Paper Session 3: Foot and Ankle
11:12 am - 11:25 am Special Interest Lecture: Ian Winson, MD
WEDNESDAY, OCTOBER 11, CONTINUED

INTERNATIONAL TRAUMA CARE FORUM, CONTINUED

11:30 am - 12:30 pm
International Industry Lunch Symposium
West Ballroom CD
Zimmer Biomet

12:35 pm - 1:50 pm
Symposium:
Joint Session with Basic Science Focus Forum
Joint Impact Injuries of the Lower Extremity
West Ballroom CD

2:00 pm - 2:48 pm
Paper Session 4: Femoral Fractures
2:48 pm - 3:13 pm
Symposium 3: Patella Fractures
3:13 pm - 3:33 pm
Keynote Lecture: Keith Willett, MD, FRCS
3:43 pm - 4:30 pm
Paper Session 5: Hip Fractures
4:45 pm - 6:30 pm
International Reception/International Posters
International Orthopaedic Trauma Association (IOTA) Charter Signing
Ocean Foyer (Level 1)

BASIC SCIENCE FOCUS FORUM

WMR 109 & 110

7:30 am
Introduction

7:35 am - 8:45 am
Symposium 1
Biomechanics-Injury Biomechanics of Fractures

8:45 am - 9:24 am
Paper Session 1: Applied Biomechanics

9:35 am - 10:50 am
Symposium 2
Infection-Prevention of the Infected Fracture

10:50 am - 11:24 am
Paper Session 2: Infection

11:30 am - 12:30 pm
International Industry Lunch Symposium
West Ballroom CD
Zimmer Biomet

12:35 pm - 1:50 pm
Symposium:
Joint Session with International Surgical Group
Joint Impact Injuries of the Lower Extremity
West Ballroom CD

2:00 pm - 2:40 pm
Paper Session 3: General Trauma
2:40 pm - 3:55 pm
Symposium 4
Tissue Engineering-Fact or Fiction?
3:55 pm - 4:56 pm
Paper Session 4: Manipulating Healing
4:56 pm
Adjourn for the Day

E&M and CPT CODING FOR TRAUMA SURGEONS

WMR 208 & 209

9:00 am - 4:00 pm
6:30 pm - 8:00 pm  INDUSTRY SYMPOSIA

(IS01) Zimmer Biomet Industry Session I  WMR 210

ZIMMER BIOMET  Innovative Solutions in External Fixation and Augmented Fracture Fixation

Session Speaker(s): Michael Tilley, MD; Thomas A. (Toney) Russell, MD; John A. Scolaro, MD

6:30 pm - 6:45 pm  Reception & Welcome Address
6:45 pm - 7:15 pm  FastFrame Overview
7:15 pm - 8:00 pm  N-Force Technology & Case Discussions

Dr. Michael Tilley will provide instruction on the features and benefits of the new FastFrame external fixator. Dr. Toney Russell will provide instruction on the science, features and benefits of the N-Force Fixation System. Dr. John Scolaro will discuss the use of N-Force in his practice and review clinical cases.

(IS06) Medtronic Industry Session  WMR 203

Medtronic  Clinical Experience and Best Practices for Utilizing Stealth Navigation and O–arm® 3D Imaging for Orthotrauma Procedures

Session Speaker(s): Jeremie Larouche, MD

Dr. Jeremie Larouche will discuss how his practice has benefited from utilizing 3D navigation in orthotrauma cases. Pelvic orthotrauma procedure case studies will be presented to highlight the best practices for navigating utilizing the O–arm® Imaging and StealthStation® Navigation Systems. Dr. Larouche will also provide sawbone demonstrations of these best practices as well as optional hands-on time to navigate pelvic orthotrauma procedures with the StealthStation®.

(IS15) Acelity Industry Session  WMR 207

Acelity  Open Lower Extremity Fracture Management - Challenges and Controversies Session

Speaker(s): Animesh Agarwal, MD; Michael Gardner, MD; R. Malcolm Smith, MD

This session will provide a panel presentation and discussion of the challenges and controversies related to the management of open fractures of the lower extremity. Drs. Gardner, Smith, and Agarwal will present on the acute phase of patient management including immediate treatment and wound management, the when, the why, and how of wound closure and closed soft tissue management and the challenges that arise post operatively including the risk of surgical site infection, dehiscence and open wound management.

7:00 pm - 8:00 pm  YOGA  WMR 201
THURSDAY, OCTOBER 12

7:00 am - 10:00 am  **BICYCLING EVENT:**

3rd Annual “Tour de Bone”  *Meet at Cycle City*

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**YOUNG PRACTITIONERS’ FORUM**

WMR 306

6:30 am - 10:44 am

11:00 am  **ADJOURN to Industry Lunch Symposia**

*Boxed Lunch Included*

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**ORTHOPAEDIC TRAUMA BOOT CAMP**

WMR 211

7:00 am - 9:00 am  **Trauma Boot Camp Presentations**

9:00 am - 11:00 am  **Trauma Boot Camp Presentations**

11:00 am  **ADJOURN to Industry Symposia**

*Boxed Lunch Included*

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**ORTHOPAEDIC TRAUMA FOR PAs and NPs**

WMR 301 - 305

7:00 am - 8:15 am  **PA/NP Course Presentations**

8:30 am - 11:00 am  **Case Discussions**

11:00 am  **ADJOURN to Industry Lunch Symposia**

*Boxed Lunch Included*

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**BASIC SCIENCE FOCUS FORUM**

WMR 109 & 110

7:30 am  **Introduction**

7:35 am - 8:30 am  **Symposium 5**

*Patient Outcomes in Orthopaedics - How to Evaluate if your Treatment is Really Working*

8:30 am - 9:27 am  Paper Session 5: Doing It Better

9:40 am - 10:35 am  **Symposium 6**

*Science Behind Pain Management*

10:35 am - 11:05 am  Paper Session 6: Pain Management

11:05 am  **ADJOURN to Industry Lunch Symposia**

*Boxed Lunch Included*
THURSDAY, OCTOBER 12, CONTINUED

11:15 am - 12:45 pm  **INDUSTRY SYMPOSIA** - lunch provided by OTA

**IS05** Smith & Nephew Industry Session  WMR 116 & 117

*smith&nephew* Current Strategies for Periarticular Tibia and Fibula Fractures

Session Speaker(s): Paul Tornetta, MD and William Ricci, MD

Attendees will learn the most up to date fixation techniques for distal and proximal tibia fractures by utilizing the EVOS™ Small Plating System in a sawbones lab.

**IS10** NuVasive Specialized Orthopedics, Inc. Industry Session  WMR 209

*NuVASIVE SPECIALIZED ORTHOPEDICS, INC.* Intramedullary Limb Lengthening and Compression for the Trauma Surgeon

Session Speaker(s): Stuart A. Green, MD; Austin T. Fragomen, MD

Discussion and demonstrations of the PRECICE® and PRECICE UNYTE™ intramedullary systems that utilize an external controller to non-invasively lengthen or compress the femur, tibia, or humerus. This session will include case examples, tips and tricks and how to avoid complications.

**IS02** DePuy Synthes Industry Session I  WMR 202-203

*DePuySynthes* Augmenting the Realities of Hip Fracture Fixation

Session Speaker(s): Michael Blauth, MD; Sanjit Konda, MD; Michael O’Boyle, MD

Surgeon panel will include a clinical introduction to the first PMMA cement to be used with a trauma device, discussing applications and experiences with augmentation and cephalomedullary nail devices. This procedure allows surgeons to inject a controlled amount of TRAUMACEM™ V+ into the femoral head, reducing the risk of cut-out in patients with poor bone quality.

**IS03** DePuy Synthes Industry Session II  WMR 208

*DePuySynthes* Maximizing Post-Traumatic Deformity Planning: Advances in Computer Assisted Circular Fixation

Session Speaker(s): Greg Osgood, MD; J. Spence Reid, MD; Nicholas Quercetti III, DO

Surgeon panel will discuss the advances in post-traumatic deformity planning software and accompanying hardware with MAXFRAME™ Multi-axial Correction System.
THURSDAY, OCTOBER 12, CONTINUED

11:15 am - 12:45 pm  INDUSTRY SYMPOSIA, CONTINUED - lunch provided by OTA

(IS07) DePuy Synthes Industry Session III

Treating Complex Trauma with the Right Cells at the Right Time

Session Speaker(s): Douglas W. Lundy, MD and Michael Romanko, PhD

Surgeon panel will discuss the paradigm shift in the field of bone repair, applications, and their clinical results with the use of ViviGen® Cellular Bone Matrix.

(IS08) SI-BONE Industry Session

Trauma and the SI Joint

Session Speaker(s): Craig S. Bartlett, MD

In this symposium, participants will learn about the history of sacroiliac (SI) disorders, the role of SI joint pain in trauma, and advances in minimally invasive techniques for the symptomatic SI joint and its role in trauma patient care.

Specific topics of discussion include:
1. The SI joint as a pain generator and common misconceptions
2. Historical ways to treat SI joint disorders
3. Minimally invasive advancements in treating SI joint pain
4. The role of minimally invasive SI joint fusion in trauma
5. A Presentation of traumatic SI joint fusion case studies

(IS04) Zimmer Biomet Session II

Emerging Trends in Dynamic Fixation

Session Speaker(s): Erik Kubiak, MD; Peter O’Brien, MD, FRCSC; Michael Tilley, MD

11:15 am - 11:45 am  MotionLoc® - US Clinical Experience
11:45 am - 12:15 pm  MotionLoc® - Canada COTS Study Update
12:15 pm - 12:45 pm  Active Plating Technology Update

Dr. Michael Tilley will discuss his seven-plus years of experience using NCB plates with MotionLoc® Screws. Dr. O’Brien will provide an update on the multicenter randomized clinical trial in progress at 16 sites (Canada and US) designed to compare the outcomes of displaced distal femur fractures fixed with and without MotionLoc® Screws. Dr. Kubiak will provide an update on the latest biomechanical and clinical studies looking at the next generation in dynamic fixation: Active Plating.
THURSDAY, OCTOBER 12, CONTINUED

11:15 am - 12:45 pm  INDUSTRY SYMPOSIA, CONTINUED - lunch provided by OTA

(IS13) Invibio / Carbofix Joint Session  WMR 210

Invibio  Carbofix
Early Clinical Outcomes with Carbon Fiber PEEK Implants for Proximal Humerus, Distal Femur and Tibia Fractures

Session Speaker(s): David J. Hak, MD; A. Alex Jahangir, MD, MMHC; Bruce H. Ziran, MD, FACS

Join us as surgeons review cases, clinical outcomes and share their experiences with lower elastic modulus implants made with Carbon Fiber PEEK (CFR-PEEK) with reduced construct stiffness for fracture healing. David J. Hak, MD, will present the background and history of medical CFR-PEEK and interface in CFR-PEEK and stainless steel. A. Alex Jahangir, MD, will review a clinical study he conducted for early clinical outcomes of CFR-PEEK versus stainless steel plates in distal femur fractures and Bruce H. Ziran, MD, will present a multi-patient case series using CFR-PEEK implants for upper and lower extremity fracture fixation.

(IS09) Skeletal Dynamics Session  WMR 207

Skeletal Dynamics
Advances in the Management of the Unstable Elbow
Session Speaker(s): Douglas P. Hanel, MD

Review and discuss the kinematics and biomechanics of the forearm, concentrating on the role of soft tissue structures and how they affect forearm and elbow function. During this session, we will feature the IJS® Elbow Stabilization System which provides temporary subcutaneous stability between the distal humerus and proximal ulna in patients who have elbow instability allowing for early active motion and function of the elbow.

(IS12) Ziehm Imaging Session  WMR 212

Ziehm Imaging  Ziehm Doctors’ Presentation

Session Speaker(s): Christoph Josten, MD; Milton Routt, MD

Dr. Routt and Dr. Josten speaking about Interoperative Imaging using the Ziehm RFD 3D C-Arm.
ANNUAL MEETING & EVENTS

THURSDAY, OCTOBER 12, CONTINUED

ANNUAL MEETING

West Ballroom AB

1:00 pm - 1:20 pm  
Welcome & Donor Awards
33rd Annual Meeting Begins

1:20 pm - 2:50 pm  
Symposium 1
Hot Off the Press - How Evidenced Based Medicine has Changed Fracture Treatment in 2017
Moderator: Niloofar Dehghan, MD
Faculty: Michael Blankstein, MD; Andrew D. Duckworth, MD, PhD;
Jeremy Alan Hall, MD; Ross K. Leighton, MD;
Michael D. McKee, MD; Emil H. Schemitsch, MD

2:50 pm - 3:20 pm  
Refreshment Break
Visit Scientific Posters & Technical Exhibits
(Exhibit hall opens at 2:30)

2:50 pm - 3:20 pm  
ANNUAL MEETING BREAK INDUSTRY PRODUCT THEATER
Product Demo Theater
West Exhibit Hall B

Hip Fractures: The State of the Art in 2017
Speaker: Ben Ollivere, Associate Professor, Queens Medical Centre, Nottingham
Despite the significant progress that has been made over the past few years in the care for hip fractures, there are still a number of unsolved problems. This talk will provide an overview of current hip fracture challenges and discuss the new concept of “fixed compression” implants which may prove to be beneficial for these patients.

FELLOWSHIP INFORMATION SESSIONS

All Fellowship Information Sessions will be held at the Pan Pacific Hotel, Oceanview Suites 1-4 / Restaurant and Gallery level of the hotel.

For a complete schedule of programs visit the registration desk or locate fellowship information on the OTA meeting app.

Fellowship interviews will be held at the convention center.
THURSDAY, OCTOBER 12, CONTINUED

ANNUAL MEETING

3:20 pm - 4:29 pm  Paper Session 1  
Program Highlights  
Moderators: Michael D. McKee, MD & Michael J. Gardner, MD  

4:30 pm - 5:10 pm  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  

5:10 pm - 6:10 pm  OTA Business Meeting (Members Only)  

5:10 pm - 6:10 pm  Happy Hour (in the Exhibit Hall)  

6:10 pm - 8:10 pm  Welcome Reception  

Join your colleagues for cocktails and hors d’oeuvres while enjoying breathtaking floor to ceiling views of the mountains and harbor at the OTA Welcome Reception in Ballroom CD.
FRIDAY, OCTOBER 13

6:00 am - 7:00 am  **YOGA**  WMR 201

ANNUAL MEETING

6:00 am  Speaker Ready Room Open  WMR 103

6:30 am - 7:30 am  **Concurrent Breakout Sessions**
(continental breakfast outside rooms)

**MINI SYMPOSIA & CASE PRESENTATIONS**

**Complex Biocondylar Tibial Plateau Fractures**  WMR 109

Case Presentations
Moderator:  **John Scolaro, MD**
Faculty:  **Timothy Achor, MD; David Barei, MD;**
          **Samir Mehta, MD and Gilbert Ortega, MD**

**Registries: What Can We Learn from Them?**  WMR 110

Mini Symposium
Moderator:  **Pierre Guy, MD**
Faculty:  **Matthew Costa, FRCS, PhD; Brad Petrisor, MD;**
          **Cecilia Rogmark, MD and Boris Sobolev, MD**

**Expedited Hip Fracture Management**  WMR 111 & 112

Mini Symposium
Moderator:  **Kyle Judd, MD, MS**
Faculty:  **Damien Billow, MD; John T. Gorczyca, MD; Daniel Mendelson, MD;**
          **Christina Seifert, MD; Gillian Sales, MD and Michael Willey, MD**

**Managing Complications in Fracture Surgery:**  WMR 114 & 115

A Trauma Surgeon’s Guide Mini Symposium
Moderator:  **Emil H. Schemitsch, MD**
Faculty:  **Nilooofar Dehghan, MD; Michael D. McKee, MD;**
          **Theodore Manson, MD; Aaron Nauth, MD and Benjamin Potter, MD**

**Pelvis and Acetabulum Fractures**  West Ballroom AB

Case Presentations
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
FRIDAY, OCTOBER 13, CONTINUED

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)

7:45 am - 9:29 am  Paper Session 2  West Ballroom AB
Foot and Ankle
Moderators: Brett D. Crist, MD & John D. Adams, MD

8:00 am - 9:00 am  Skills Labs

SKILLS LABS
Distal Femur Plating  WMR 119 & 120
Lab Leader: Gerard P. Slobogean, MD
Faculty: Greg Gaski, MD; Jennifer Hagen, MD and Jason Nascone, MD

SIGN Fracture Care International  WMR 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  WMR 121 & 122
Lab Leader: John Scolaro, MD
Faculty: David Barei, MD; James Learned, MD; Edward Westrick, MD and Brad Yoo, MD

8:00 am - 9:30 am  Mini Symposia & Case Presentations

MINI SYMPOSIA & CASE PRESENTATIONS
Management of Scapular Fractures Mini Symposium  WMR 109
Moderator: William T. Obremskey, MD
Faculty: Clifford B. Jones, MD; Paul Tornetta III, MD and Peter Cole, MD

An Outcomes-Based Approach to Distal Radius Fracture Management Mini Symposium  WMR 110
Moderator: Raymond Pensy, MD
Faculty: John Capo, MD; Asif Ilyas, MD and David Ring, MD
MINI SYMPOSIA & CASE PRESENTATIONS, CONTINUED

Mental Health in Orthopaedic Trauma–Patients and Providers Mini Symposium
WMR 111 & 112
Moderator: Anna N. Miller, MD
Faculty: Joseph Hsu, MD; Hassan Mir, MD; Jeffrey M. Smith, MD and Heather Vallier, MD

Periprosthetic Femur Fractures Case Presentations
WMR 114 & 115
Moderator: John T. Gorczyca, MD
Faculty: Catherine Humphrey, MD; Matthew Jimenez, MD and Kyle Judd, MD

Multi-Center Trials in Orthopaedic Trauma: Lessons Learned Mini Symposium
WMR 116 & 117
Moderator: Gregory J. Della Rocca, MD, PhD, FACS
Faculty: Mohit Bhandari, MD; Richard E. Buckley, MD, FRCPc
Robert V. O’Toole, MD and Emil H. Schemitsch, MD

Distal Humerus Fractures: Tips and Tricks Case Presentations
WRM 208 & 209
Moderator: Utku Kandemir, MD
Faculty: Milan Sen, MD; Michael J. Gardner, MD; Michael D. McKee, MD and Bertrand Perey, MD

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

10:00 am - 11:30 am Symposium 2

Changing the System: Can We Improve Trauma Care? Experience from the Guest Nation
Moderator: Tim Chesser, MBBS
Faculty: Matthew L. Costa, PhD; John F. Keating, MD; Michael Kelly, MBBS; Christopher G. Moran, MD; Keith Willett, MBBS
FRIDAY, OCTOBER 13, CONTINUED

11:30 am - 12:00 pm  
John Border, MD
Memorial Lecturer
“Observations in Innovation”
Roy Sanders, MD

12:10 pm - 1:10 pm  
Lunch
Visit Scientific Posters & Technical Exhibits

12:10 pm - 1:10 pm  
New/Prospective Member Lunch
Chair: Kyle J. Jeray, MD

12:10 pm - 1:10 pm  
Women in Orthopaedic Trauma
Kathy Cramer, MD Memorial Luncheon
Chair: Carla Smith, MD; Co-Chair: Leslie Gullahorn-Olson, MD

12:25 pm - 1:10 pm  
LUNCHTIME GUIDED POSTER AND VIDEO TOURS
(PT1) Foot/Ankle  
Guide: Paul Tornetta III, MD
(PT2) Knee/Tibia  
Guide: Stephen A. Kottmeier, MD
(VT) Video Tours  
Guide: Robert Ostrum, MD

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

1:15 pm - 2:24 pm  
Paper Session 3
Pelvis and Acetabulum
Moderators: David W. Sanders, MD & David J. Stephen, MD

1:15 pm - 2:15 pm  
Skills Labs

SKILLS LABS
Distal Femur Plating
Lab Leader: Lisa K. Cannada, MD
Faculty: Chad Corrigan, MD; Niloofar Dehghan, MD; Edward Harvey, MD;
Chad Myeroff, MD and Emil H. Schemitsch, MD
FRIDAY, OCTOBER 13, CONTINUED

1:15 pm - 2:15 pm  
Skills Labs

**SKILLS LABS, CONTINUED**

**Ankle Spanning External Fixation**  
WMR 119 & 120  
Lab Leader: Julius A. Bishop, MD  
Faculty: William Wood Cross, MD; John Scolaro, MD and Michael Weaver, MD

**IM Nailing of Proximal Tibial Fractures**  
WMR 121 & 122  
Lab Leader: Paul Tornetta III, MD  
Faculty: Reza Firoozabadi, MD; Daniel Horwitz, MD; Samir Mehta, MD; Hassan Mir, MD; William M. Ricci, MD and Judith Siegel, MD

1:15 pm - 2:45 pm  
Mini Symposia & Case Presentations

**MINI SYMPOSIA & CASE PRESENTATIONS**

**The Coming Bundle Mini Symposium**  
WMR 109  
Moderator: Kenneth A. Egol, MD  
Faculty: Joseph Bosco, MD; Roy Davidovitch, MD; A. Alex Jahangir, MD and Sanjit Konda, MD

**Compartment Syndrome: What You Need to Know to Stay Out of Trouble Mini Symposium**  
WMR 110  
Moderator: Cyril Mauffrey, MD, FACS, FRCS  
Faculty: Peter Giannoudis, MD, FACS, FRCS; David J. Hak, MD; Mark Hake, MD and Andrew Schmidt, MD

**Controversies in Patient Safety and Ethics Mini Symposium**  
WMR 111 & 112  
Moderator: Douglas W. Lundy, MD  
Faculty: Michael T. Archdeacon, MD; John Campbell, MD; Samir Mehta, MD; Douglas Roger, MD, JD; Jeffrey M. Smith, MD; Wade R. Smith, MD; Philip Stahel, MD; Todd Swenning, MD and Nirmal Tejwani, MD

**How to Use Ring Fixators (TSF and Ilizarov) for Tibia Fractures Mini Symposium**  
WMR 114 & 115  
Moderator: Theodore Manson, MD  
Faculty: Joseph Hsu, MD; Stephen Quinlan, MD and Kevin Tetsworth, MD

**Complex Elbow Fracture Dislocations Mini Symposium**  
WMR 116 & 117  
Moderator: William T. Obremskey, MD  
Faculty: Lisa K. Cannada, MD; Chad Corrigan, MD; Niloofar Dehghan, MD; Michael D. McKee, MD and Emil H. Schemitsch, MD
MINI SYMPOSIA & CASE PRESENTATIONS, CONTINUED

2:24 pm - 3:16 pm  Paper Session 4  West Ballroom AB
Upper Extremity
Moderators: Gregory J. Della Rocca, MD, PhD, FACS & David C. Ring, MD, PhD

3:16 pm - 3:45 pm  Refreshment Break  West Exhibit Hall B
Visit Scientific Posters & Technical Exhibits

3:45 pm - 5:30 pm  Concurrent Sessions
(Mini Symposia and General Session run concurrently.)
Mini-Symposia (3:45 pm - 5:15 pm)
Paper Session 5: Wrist, Hand, Tibia & Pediatric (3:46 pm - 5:30 pm)

MINI SYMPOSIA

What to Do with the Front:  WMR 109
Anterior Pelvic Ring Management
Moderator: John Scolaro, MD
Faculty: Jonathan Eastman, MD; Reza Firoozabadi, MD; Geoffrey Marecek, MD; Milton Routt, MD; Rahul Vaidya, MD and Raymond Wright, MD

The Blasted Distal Femur Fracture:  WMR 110
How to Improve Outcomes
Moderator: Lisa K. Cannada, MD
Faculty: Cary Collinge, MD; Robert Hymes, MD; Kyle Jeray, MD; Thomas Jones, MD and Erik Kubiak, MD

Developing and Maintaining a Successful Clinical Research Program  WMR 111 & 112
Moderator: Heather Vallier, MD
Faculty: Mary Breslin, BA; Julie Agel, ATC and William T. Obremskey, MD

Orthopaedic Trauma Coding  WMR 114 & 115
Moderator: Paul T. Appleton, MD
Faculty: J. Scott Broderick, MD; William R. Creevy, MD; Brett D. Crist, MD and M. Bradford Henley, MD
MINI SYMPOSIA & CASE PRESENTATIONS, CONT'D

The Smooth Hip Fracture Admission—Top 15 in Best Evidence to Avoid Complications
Moderator: Pierre Guy, MD
Faculty: Stephen Kates, MD; Eric Meinberg, MD and Daniel Mendelson, MD

3:46 pm - 5:30 pm  
Paper Session 5  
Wrist, Hand, Tibia and Pediatric
Moderators: David J. Hak, MD & Cyril Mauffrey, MD, FACS, FRCS

4:30 pm - 6:00 pm  
Speed Mentoring  
WMR 211
Co-Chairs: Lisa K. Cannada, MD & Michael T. Archdeacon, MD

5:30 pm - 6:30 pm  
Military Reception  
Level 1 Ocean Foyer

5:35 pm - 6:20 pm  
SUDS N’ SCIENCE GUIDED POSTER AND VIDEO TOURS
(PT3) Upper Extremity  
Guide: Michael D. McKee, MD
(PT4) General Interest  
Guide: Michael J. Gardner, MD
(VT) Video Tours  
Guide: Raphael Neiman, MD

6:30 pm - 8:00 pm  
INDUSTRY SESSION  
(IS14) Wright Medical Industry Session  
WMR 207
Next Generation Biologic: rhPDGF-BB Enhanced Healing in Hindfoot and Ankle Fusions
Session Speaker(s): Christopher DiGiovanni, MD; Charlie Hart, PhD; Alastair Younger, MB, ChB, MSc, CHM, FRCS

Ankle trauma is by far the most prevalent etiology for osteoarthritis of the ankle and is increasingly a challenge for orthopaedic trauma and foot and ankle reconstructive surgeons. AUGMENT® Bone Graft is a next generation bone healing biologic that is the first and only FDA-approved alternative to autograft in hindfoot and ankle fusions.

In this symposium, the participant will learn the science behind rhPDGF-BB and the clinical evidence supporting its use through didactic presentation and clinical case review. Ample time will be set aside for questions and answers at the end of the session.
OTA GRATEFULLY ACKNOWLEDGES THE FOLLOWING EXHIBITORS FOR THEIR SUPPORT OF THE 33RD ANNUAL MEETING:

Online Exhibitor Listing: [http://s23.a2zinc.net/clients/OTA/OTA2017/Public/eventmap.aspx](http://s23.a2zinc.net/clients/OTA/OTA2017/Public/eventmap.aspx)

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RAD RAMP

The RAD Ramp is a portable positioning device designed to hold and elevate the lower extremity in a stable position while holding an x-ray cassette at the same time for a lateral shot.

Allows a surgeon or radiology to position a lower extremity for a better X-ray view while standing outside the field of radiation.

The RAD Ramp elevates operative leg above contralateral leg for a clear shot.

Position leg on the RAD Ramp, secure the ankle or foot for accurate placement, and drop the X-ray cassette in the side pocket to maintain a steady upright image.

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SATURDAY, OCTOBER 14

6:00 am - 7:00 am **TAI CHI**

**ANNUAL MEETING**

6:00 am  Speaker Ready Room Open

6:30 am - 7:30 am **Concurrent Breakout Sessions**
(continental breakfast outside rooms)

**MINI SYMPOSIA & CASE PRESENTATIONS**

- **Management of Distal Tibia Fractures: Pearls and Pitfalls Mini Symposium**
  - **Moderator:** Derek Donegan, MD
  - **Faculty:** Frank Liporace, MD; Stephen Quinnan, MD; John Scolaro, MD and Heather Vallier, MD

- **Stay Out of Trouble in Operative Pediatric Fractures Mini Symposium**
  - **Moderator:** Steven Gibbons, MD
  - **Faculty:** Amr Abdelgawad, MD; Ahmed Thabet Hagag, MD and Enes Kanlic, MD

- **Challenges in Intertrochanteric Hip Fractures Mini Symposium**
  - **Moderator:** Theodore Manson, MD
  - **Faculty:** Eben Carroll, MD and Cyril Mauffrey, MD, FACS, FRCS

- **Soft Tissue Management of the Mangled Upper and Lower Extremity Mini Symposium**
  - **Moderator:** Raymond Pensy, MD
  - **Faculty:** John Ingari, MD; Asif Ilyas, MD and Daniel A. Osei, MD

- **Pelvic Ring Disruption Case Controversies: Diagnosis and Treatment Case Presentations**
  - **Moderator:** Jason Nascone, MD
  - **Faculty:** Pierre Guy, MD; Robert V. O’Toole, MD; H. Claude Sagi, MD and Adam Starr, MD

7:00 am  Scientific Posters, Technical Exhibits & Continental Breakfast

West Exhibit Hall B
7:30 am - 9:00 am  Symposium 3  West Ballroom AB
Managing Infection in Orthopaedic Trauma: Reaching Consensus and the Role of Emerging Technologies
Moderators: Robert V. O’Toole, MD & Emil H. Schemitsch MD
Faculty: Peter V. Giannoudis, MD, FACS, FRCS; Cyril Mauffrey, MD, FACS, FRCS; Mark E. Shirtliff, PhD; Paul Tornetta III, MD

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)

9:00 am - 10:38 am  Paper Session 6  West Ballroom AB
Polytrauma and Post Traumatic Reconstruction
Moderators: Brett D. Crist, MD & Michael D. McKee, MD

9:00 am - 10:30 am  Mini Symposia

**MINI SYMPOSIA**

Shoulder Girdle Injuries: Optimizing Decision Making and Surgical Management in 2017  
Moderator: Emil H. Schemitsch, MD
Faculty: Peter Cole, MD; Niloofar Dehghan, MD; Clifford B. Jones, MD; Frank Liporace, MD and Aaron Nauth, MD

Fragility Fractures and Bone Health: Current State of the Art  
Moderator: Michael J. Gardner, MD
Faculty: Kenneth A. Egol, MD; Kyle J. Jeray, MD; Clifford B. Jones, MD and Joseph Lane, MD

Displaced Femoral Neck Fractures – What is the Evidence?  
Moderator: John T. Gorczyca, MD
Faculty: Catherine Humphrey, MD; Robert Dunbar, MD; Kyle Judd, MD; Gillian Soles, MD and David Stephen, MD

Anterior Approaches to the Acetabulum  
Can We All Just Get Along?  
Moderator: Jason Nascone, MD
Faculty: Pierre Guy, MD; Keith Mayo, MD and Marcus F. Sciadini, MD
SATURDAY, OCTOBER 14, CONTINUED

10:38 am Refreshment Break
Visit Scientific Posters & Technical Exhibits

11:08 am - 12:40 pm Concurrent Sessions
(Mini Symposia and General Session run concurrently.)
Mini-Symposia (11:08 am - 12:38 pm)
Scientific Paper Session 7: General Interest (11:08 am - 12:40 pm)

11:08 am - 12:38 pm Mini Symposia

MINI SYMPOSIA

Next Level: 8 Practices for Surgeon Wellness
WMR 109
Moderator: Jeffrey M. Smith, MD
Faculty: James Ficke, MD; Anna N. Miller, MD; Wade R. Smith, MD;
Philip Stahel, MD and Todd Swenning, MD

Limb Reconstruction and Amputation in Crisis and Conflict-Related Injuries
WMR 110
Moderator: Daniel Stinner, MD
Faculty: Michael Beltran, MD; Jowan Penn–Barwell, MBBS
and Joseph Hsu, MD

The Treatment of Peri-Prosthetic Fracture in 2017: Can We Reach a Consensus
WMR 111 & 112
Moderator: Emil H. Schemitsch, MD
Faculty: George Haidukewych, MD; Michael D. McKee, MD; Aaron Nauth, MD;
William M. Ricci, MD and Andrew Schmidt, MD

Femoral Neck Fractures in the Young Adult: Are We Getting Better?
WMR 114 & 115
Moderator: Cory Collinge, MD
Faculty: Hassan Mir, MD; Christopher McAndrew, MD and John Scolaro, MD

11:08 am - 12:40 pm Paper Session 7
General Interest
West Ballroom AB
Moderators: Michael J. Gardner, MD & Stephen A. Kottmeier, MD
12:40 pm - 1:40 pm  Lunch  
West Exhibit Hall B
Visit Scientific Posters & Technical Exhibits
Exhibit Hall closes at 1:45 pm

12:55 pm - 1:40 pm  LUNCHTIME GUIDED POSTER AND VIDEO TOURS  
(PT5) Hip/Femur  
Guide: Brett D. Crist, MD
(PT6) International  
Guide: Peter V. Giannoudis, MD, FACS, FRCS
(VT) Video Tours  
Guide: Kenneth Egol, MD

1:40 pm - 3:59 pm  Concurrent Sessions  
(Mini Symposia and General Session run concurrently.)
Mini-Symposia (1:40 pm - 3:10 pm)
Scientific Paper Session 8: Hip, Femur and Geriatrics
(1:40 pm - 3:59 pm)

1:40 pm - 3:10 pm  Mini Symposia

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<th>MINI SYMPOSIA</th>
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<td>Complex Knee Dislocations</td>
<td>109</td>
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<td>Faculty: John Adams, MD; Frank Avilucea, MD and William Harvin, MD</td>
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<tr>
<td>Controversies in Ankle Fractures</td>
<td>111 &amp; 112</td>
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<td>Moderator: John T. Gorczyca, MD</td>
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<td>Faculty: John Ketz, MD; Raymond Wright, MD; Gillian Soles, MD and Kevin Pugh, MD</td>
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<td>The Joint Is a Mess, Now What?</td>
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<td>How to Restore Function when Intra-articular Fracture Surgery Fails</td>
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<td>Moderator: Emil H. Schemitsch, MD</td>
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<td>Faculty: Michael D. McKee, MD; Chad Myeroff, MD; Aaron Nauth, MD and David W. Sanders, MD</td>
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SATURDAY, OCTOBER 14, CONTINUED

1:40 pm - 3:59 pm  
**Paper Session 8**  
Hip, Femur and Geriatric  
Moderators: Gilbert R. Ortega, MD & Gerard P. Slobogean, MD  
**West Ballroom AB**

4:00 pm  
Closing Remarks and Adjourn

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

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CASUAL

Cactus Club Cafe - Coal Harbour
Proudly Canadian owned and operated, Cactus Club Cafe leads through innovation while remaining true to its Vancouver roots. Committed to delivering a unique experience, Cactus Club Cafe blends the worlds of fine and casual dining through inventive design, unparalleled food quality and a personalized approach to service.

JOEY Burrard
Where the shoppers, moviegoers, diners, downtowners and hard workers get together to eat, drink and hangout.

Tap and Barrel
Seasonally inspired and locally sourced whenever possible to showcase the best of our province. Situated in vibrant waterfront neighbourhoods of Olympic Village, Coal Harbour and, Lower Lonsdale. Innovative on-tap beverage program exclusive to craft beer and premium wine made in British Columbia.

STEAK

Gotham Steakhouse & Cocktail Bar
An American Style Steakhouse with stunning décor, superb service and an award winning wine list. Excellent, simple, well thought out menu with quality ingredients - Canadian Prime Beef. Gotham is located in a beautifully restored heritage building in the heart of the financial district and is walking distance from Vancouver’s entertainment district and downtown hotels. Live Piano in Lounge.

Hy’s Encore
Nestled in the heart of Vancouver’s financial district, amid the galleries, shopping and major hotels, discover Hy’s Encore. The culture of the Pacific Northwest infuses itself into all Vancouver experiences, and you will find that spirit at Hy’s Encore in abundance. Mixing with our legendary Prime Rib and New York Strip are dazzling Pacific Salmon and Ahi Tuna.

The Keg Steakhouse + Bar
Great nights in downtown Vancouver start at The Dunsmuir Keg. The casual dining room is the perfect environment for a family celebration, or business meal. Attentive staff will help you pair a specialty cocktail or wine list selection with a famous steak, seafood, or vegetarian dish. The combination of delicious food and friendly atmosphere turns any visit to The Dunsmuir Keg into a special occasion.

Black and Blue
Black+Blue is Glowbal Group’s most expansive restaurant to-date. Black+Blue offers the largest selection of prime cuts of steaks - from Wagyu to US and Canadian Prime, with a hand selection of exclusive boutique products. Along with meat selections, guests can also enjoy featured fish and shellfish.
SEAFOOD

Blue Water Cafe + Raw Bar
An anchor in Vancouver’s culinary landscape, Blue Water Cafe is lauded as the City’s definitive destination for seafood. Executive chef Frank Pabst is known for his innovative and brilliantly executed West Coast plates, insisting on using seafood from wild and sustainable harvest. Sushi chef Masaaki Kudo is true to the Japanese culinary aesthetic of pure, clean flavours and ample portions that Blue Water Cafe’s Raw Bar has long been famous for.

Rodney’s Oyster House
Come and experience Maritime hospitality at its most hearty the way we serve it up with the freshest seafood and fine spirits! Our establishment has been entertaining seafood lovers and oyster aficionados from far and wide for over ten years.

Joe Fortes Seafood and Chop House
Specializing in classic, American cuisine since 1985, Executive Chef Wayne Sych prepares each dish with a focus on natural flavours and features the finest ingredients from Pacific Northwest farmers, fishermen and other food artisans. Serving more than 50 kinds of fresh fish, premium oysters and thick cut chops, Joe Fortes Seafood & Chop House signature dishes have become a favourite with locals, celebrities and tourists alike.

Coast
Award winning seafood and where everyone wants to be. The freshest fish, succulent shellfish, oysters nestled in beds of ice and the most colossal seafood towers are here. A true west coast dining experience.

OTHER

Nightingale
Our approach to dining introduces simple seasonal dishes — packed with natural flavour — that focus on quality, excellence and fun. Served up in a lively space, our fresh crudo and charcuterie, creative house-made pastas, pizzas, crisp salads and seasonal veggie dishes can be enjoyed with friends old and new; paired with local craft beers, complementing wines or on-tap gin & tonics from the buzzing bar.

Hawksworth
A celebration of Vancouver’s cultural diversity and natural environment Hawksworth Restaurant showcases ingredient led, contemporary cuisine that demonstrates the highly skilled technique and relentless drive for perfection that has become Chef David Hawksworth’s trademark.

Chambar
Awarded ‘Best New Restaurant’ in 2004, Chambar is the perfect balance of fine dining without the formalities; the food is exceptional, with a commitment to fresh seasonal produce, Belgian themed with North African influence.
Giardino
Celebrate a culinary journey through Italy with Umberto Menghi’s re-entry into the heart of Vancouver and the opening of Giardino Restaurant. The Tuscan-inspired restaurant, located on Hornby Street, is just steps away from the beloved Il Giardino.

Le Crocodile Restaurant
Impeccable service with flair, never pretense or fanfare. This fine dining French restaurant blends traditional French cooking with innovative Westcoast style. Twenty-two years later, with some of the original staff still here, Le Crocodile still remains in Vancouver as one of the city’s most acclaimed and visited restaurants.

Top of Vancouver Revolving Restaurant
Fine continental dining at 553 feet (167m) for an unobstructed view of Vancouver, the coastal mountains, and the ocean. Windows specifically angled for maximum viewing of the city below. One revolution completed every 60 minutes.
This 33rd Annual Meeting of the Orthopaedic Trauma Association has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the American Academy of Orthopaedic Surgeons and the Orthopaedic Trauma Association.

The American Academy of Orthopaedic Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

The American Academy of Orthopaedic Surgeons designates this live activity (OTA 2017 ANNUAL MEETING) for a maximum of 20 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The BASIC SCIENCE FOCUS FORUM offers a maximum of 11.75 AMA PRA Category 1 Credits™.

The E&M and CPT CODING FOR TRAUMA SURGEONS offers a maximum of 6 AMA PRA Category 1 Credits™.

The INTERNATIONAL ORTHOPAEDIC TRAUMA CARE FORUM offers a maximum of 10.5 AMA PRA Category 1 Credits™.

The ORTHOPAEDIC TRAUMA BOOT CAMP offers a maximum of 11.75 AMA PRA Category 1 Credits™.

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MEMBERSHIP APPLICATION DEADLINE (apply online)
November 1, 2017

RESIDENT GRANT DEADLINE (apply online)
December 4, 2017

FULL GRANT PRE–PROPOSAL DEADLINE (apply online)
January 29, 2018

OTA SPECIALTY DAY
March 10, 2018    New Orleans, Louisiana

SPRING RESIDENT COMPREHENSIVE FRACTURE COURSE
April 4 - 7, 2018    Rosemont, Illinois
Course Chair: Jason Lowe, MD  Co-Chair: Frank Liporace, MD

AAOS/OTA JOINT COURSE
Daily Dilemmas in Trauma: Your Topics, Expert Solutions
April 19 - 21, 2018    Baltimore, Maryland
Course Chair: Paul Tornetta III, MD  Co-Chair: J. Tracy Watson, MD

FELLOWS COURSE
April 26 - 29, 2018    Boston, Massachusetts
Course Chair: Paul Tornetta III, MD

RESIDENT ADVANCED TRAUMA TECHNIQUES COURSE
May 4 - 5, 2018    Nashville, Tennessee
Course Chair: Nirmal Tejwani, MD  Co-Chair: Cory Collinge, MD

RESIDENT COMPREHENSIVE FRACTURE COURSE
October 17 - 19, 2018    Orlando, Florida

OTA 34TH ANNUAL MEETING & PRE-MEETING EVENTS
October 17 - 20, 2018    Orlando, Florida

Pre-Meeting Events
Basic Science Focus Forum
Coding for Trauma Surgeons
International Orthopaedic Trauma Care Forum
Orthopaedic Trauma Boot Camp
Orthopaedic Trauma for NPs and PA’s
Young Practitioners Forum

Abstract Deadline: January 24, 2018
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**References:**
1. DePuy Synthes test data on file, Windchill 0000268245.