



# OTA 38<sup>TH</sup> ANNUAL MEETING

Wednesday-Saturday  
OCTOBER 12 – 15, 2022

Tampa Convention Center  
Tampa, Florida

#OTA2022



WELCOMING  
GUEST NATION  
JAPAN



19.5 AMA PRA  
Category I Credits™

Schedule and presenters  
are subject to change.

# 2022 ANNUAL MEETING

TAMPA, FLORIDA  
OCTOBER 12 – 15, 2022

## TARGET AUDIENCE

The Orthopaedic Trauma Association (OTA) Annual Meeting is for the benefit of orthopaedic trauma surgeons and related allied health care professionals.

## MEETING HIGHLIGHTS

- 20 Breakout sessions including a variety of topics such as controversies in talus, ankle and plafond, osteoporotic fractures, solutions for long bone defects, soft tissue reconstruction, pelvic fracture management, and many others.
- 74 high quality podium presentations, including a session of highlight papers reflecting practice-changing research, and over 200 posters.
- Four main symposia focusing on:
  - IOTA Fracture-related Infections: Management in the Acute Setting
  - Systems Based Approaches to Vulnerable Population Healthcare
  - New Tools and Approaches in the Management of Compartment Syndrome
  - Addressing Intimate Partner Violence in Orthopedic Trauma Settings
- Industry Symposia showcasing products, demonstrating techniques and/or presenting research offered at convenient times spread throughout the meeting.

Visit [ota.org](http://ota.org) for more details on papers, symposia and breakout sessions.



**JAPAN: 2022**  
**GUEST NATION**



## PRESIDENT'S MESSAGE

*"Leading by Example"*

**Michael T. Archdeacon, MD**

Peter J. Stern Professor and Chairman of the Department of Orthopaedic Surgery at the University of Cincinnati College of Medicine

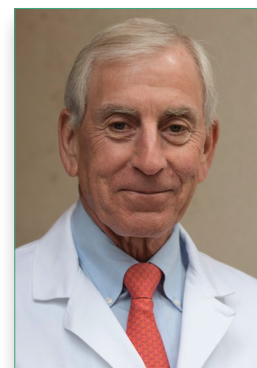
## BORDER LECTURER

*"We Stand on the Shoulders of Those Before Us: A Presidential Address, Revisited"*

**David L. Helfet, MD**

OTA Past President

Chief Emeritus of Orthopedic Trauma Service (OTS) for the Hospital for Special Surgery and NY Presbyterian Hospital, Professor of Orthopedic Surgery at Weill Cornell Medicine, and annually is ranked as one of Castle-Connolly's publication, "America's Top Doctors." Dr. Helfet is a world-renowned orthopedic surgeon and has served in leadership capacities for multiple societies and boards.



## LEARNING OBJECTIVES

After attending the 2022 OTA Annual Meeting, participants will be able to:

- ✓ Assess the efficacy of new treatment options through evidence-based data
- ✓ Identify new tools and approaches in the management of compartment syndrome
- ✓ Evaluate various nonsurgical and surgical treatment options in musculoskeletal injury management
- ✓ Illustrate systems based approaches to vulnerable population healthcare
- ✓ Discuss intimate partner violence in orthopedic trauma settings.

# 2021 RESEARCH & EDUCATION DONORS

The Orthopaedic Trauma Association gratefully acknowledges 2021 Research and Education Donors. The continued success and increased impact of the Orthopaedic Trauma Association's research and education effort is dependent upon foundation and industry support. The OTA expresses sincere appreciation to these contributors for their generous financial support.

## PLATINUM AWARD DONOR (\$150,000 - \$249,999)

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## SILVER AWARD DONOR (\$75,000 - \$99,999)

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# PRESIDENT'S WELCOME

## ORTHOPAEDIC TRAUMA ASSOCIATION'S 38<sup>TH</sup> ANNUAL MEETING



# WELCOME

**Michael T. Archdeacon, MD**  
*OTA President*

Dear OTA Members and Colleagues,

Please mark your calendar for the 2022 OTA Annual Meeting taking place October 12 – 15 in Tampa, Florida. It promises to be a spectacular meeting!

The past couple of years have seen much uncertainty and many challenges. Despite those challenges, our organization has remained resilient. In 2020 we presented a fully virtual meeting. In 2021, despite several ongoing hurdles, the OTA offered an exceptionally well-executed in-person Annual Meeting rebound. While these meetings were both amazing successes, the 2022 Annual Meeting will be one you should not miss, and here's why:

- The Annual Meeting Program Committee, led by Program Chair Gerard Slobogean, MD, and Co-Chair Ed Harvey, MD, has been hard at work creating an exceptional scientific program. You will see several changes and additions to this year's program (including a shift in timing of the Annual Meeting which will begin Thursday morning at 8:00am ET, and conclude Saturday at noon ET).
- There will be more than 400 accomplished orthopaedic trauma surgeon presenters/moderators/authors sharing their expertise, experience and perspectives—all under one roof!
- It is a perfect opportunity to reconnect with colleagues you may have had little opportunity to engage with during the past couple of years.
- Downtown Tampa offers a vibrant array of nightlife, restaurants, and beautiful waterfront venues for our attendees.
- In addition to the podium presentations offering cutting edge science in the general session room, there will be a number of smaller, limited-attendance sessions offering interactive and engaging educational settings.

We will continue to offer a number of pre-meeting and concurrent events including the following:

E/M and Surgical Coding Course

Pelvis and Acetabulum Course

Orthopaedic Trauma Boot Camp

Orthopaedic Trauma for PAs and NPs

Resident Comprehensive Fracture Course

Educate the Educators – Faculty Development Course

OTA Member Fireside

Young Practitioner's Forum

Basic Science Focus Forum

International Trauma Care Forum

Soft Tissue Coverage Skills Course

- And... this year's Annual Meeting will be a full-blown, better-than-ever, amazing OTA Annual Meeting!

I hope to see you in Tampa!

Sincerely,



Michael T. Archdeacon, MD  
OTA President

# PROGRAM CHAIR'S WELCOME

OCTOBER 12-15 2022 • TAMPA, FLORIDA



**Gerard Slobogean, MD, MPH, FRCSC**  
*Annual Meeting Program Chair*

Dear Colleagues,

On behalf of the OTA Program Committee and President Michael Archdeacon MD, I am pleased to invite you to the 38th Annual Meeting of the Orthopaedic Trauma Association in Tampa, Florida, October 12-15, 2022.

This year's scientific program has shifted a half-day earlier to allow you to travel home Saturday afternoon or spend more time enjoying the sunny Florida weather! The Annual Meeting will commence at 8:00 AM, Thursday October 13th, 2022 and adjourn at 12:15 PM, Saturday October 15th, 2022.

Additional noteworthy changes to the scheduling and format include: rescheduling of the 6:30 AM breakout sessions to within the normal hours of the meeting program, daily industry-sponsored breakfast, a technical tricks discussion forum, and rescheduling of Pelvis and Soft Tissue Courses to Saturday morning.

Our commitment to creating the premier research and educational program remains unchanged. Nearly 1,300 abstracts were submitted and reviewed by the Program Committee. The top 74 paper presentations have been accepted and we will continue the Thursday afternoon tradition of showcasing some of the highest quality submissions in one "Chair's Choice" session. Throughout the meeting there will also be four main symposia, 20 clinical breakout sessions, and over 200 posters in the exhibit hall.

The pre-meeting and concurrent meeting educational programs will also remain robust. In addition to the PA/NP Course, Resident Course, Basic Science Forum and International Trauma Care Forum, Wednesday's content will also include a new Faculty Education Program, a new members-only Fireside case discussion focusing on senior surgeon leadership and continue the members-only Fireside Case Review. Similarly, attendees can continue to count on the Basic Science Forum and the International Trauma Care Forum to deliver cutting-edge translational research findings and unique multi-national treatment perspectives. Finally, we are excited to welcome Dr. David Helfet as this year's Border Lecturer.

This year's meeting will be full of renewed energy and interactive audience participation. We look forward to reuniting our entire OTA community and the return of many of our international members that were missed in 2021. Housing is now open and the preliminary program is now released. See you in Tampa!

Sincerely,

A handwritten signature in black ink that reads "G. Slobogean". The signature is fluid and cursive.

Gerard Slobogean, MD, MPH, FRCSC  
Program Chair



# 2022 PROGRAM COMMITTEE

ORTHOPAEDIC TRAUMA ASSOCIATION'S 38<sup>TH</sup> ANNUAL MEETING

## MEET THE PROGRAM COMMITTEE



Gerard P. Slobogean, MD, MPH, FRCSC  
*Chair*



Edward J. Harvey, MD  
*Co-Chair*



Animesh Agarwal, MD



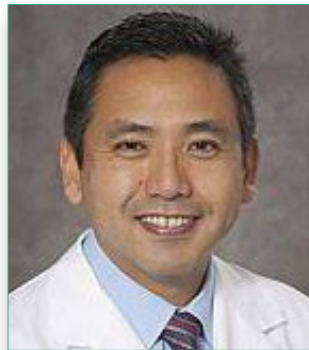
Andrew M. Choo, MD



Brett D. Crist, MD



Gregory J. Della Rocca, MD, PhD,  
FACS



Mark A. Lee, MD, FACS



Kelly A. Lefavre, MD, FRCSC



Nirmal C. Tejwani, MD, FRCS



Harmeeth S. Uppal, MD, MS,  
FACS

# VENUE, HOUSING AND TRAVEL INFO

OCTOBER 12-15 2022 • TAMPA, FLORIDA

## GENERAL INFORMATION

### VENUE

The Orthopaedic Trauma Association's 38th Annual Meeting and all pre-meeting courses will be held at the Tampa Convention Center in Tampa, Florida.

The Resident Comprehensive Fracture Course will be held across the street at the Tampa Marriott Waterside Hotel.

**Early Bird Registration:** Register by **September 11** to receive discounted rates on the Annual Meeting and each Pre-Meeting and Concurrent Course Registration.

Register and make hotel reservations at [OTA.org](https://ota.org).

### APP

Watch your email for release of the OTA Annual Meeting app.



### HOUSING INFORMATION

Conference Direct is the only hotel provider endorsed by OTA for the 2022 Annual Meeting. Hotel rooms historically sell out quickly. Through the event [website](https://ota.org) or Housing Contact Center you can book, change, or cancel your reservations. Housing will remain open through **September 19, 2022**. Hotel closing dates may vary by hotel.

### ANNUAL MEETING HOTELS

OTA Official Housing Contact Information  
Available 9:00 am - 7:00 pm EST, Monday - Friday  
ph: 877-632-8165 (Toll-free) 801-212-9548 (International)  
email: [ota@conferencedirect.com](mailto:ota@conferencedirect.com)

#### Tampa Marriott Waterside Hotel & Marina

OTA Headquarters / Resident Course Location  
700 S. Florida Ave.  
Single/Double \$255

#### JW Marriott Tampa

510 Water Street  
Single/Double \$285

#### Westin Tampa Waterside

725 S. Harbour Island Blvd.  
Single/Double \$229

#### Embassy Suites by Hilton Tampa Downtown Convention Ctr

513 S. Florida Ave.  
Single \$245/Double \$255

#### Hilton Tampa Downtown

211 N. Tampa St.  
Single/Double \$239



Register today at [ota.org](https://ota.org).



# REGISTRATION & EXHIBIT HOURS, SPECIAL EVENTS

## ORTHOPAEDIC TRAUMA ASSOCIATION'S 38<sup>TH</sup> ANNUAL MEETING



### REGISTRATION

(West Registration Area)

The registration center will be open for badge pick up, onsite registration, general information and attendee assistance:

<b>TUESDAY, OCTOBER 11</b>	4:00 PM - 6:00 PM
<b>WEDNESDAY, OCTOBER 12</b>	6:30 AM - 5:00 PM
<b>THURSDAY, OCTOBER 13</b>	6:30 AM - 5:00 PM
<b>FRIDAY, OCTOBER 14</b>	6:30 AM - 5:00 PM
<b>SATURDAY, OCTOBER 15</b>	6:15 AM - 12:00 PM



### SPECIAL EVENTS

#### TAI CHI CLASS

Wednesday, October 12, 6:30 AM - 7:30 AM, no fee

#### VINYASA YOGA CLASS

Thursday, October 13, 6:30 AM - 7:30 AM, \$20

#### MEDITATION CLASS

Friday, October 14, 6:30 AM - 7:30 AM, no fee

#### WELLNESS ROOM

Wednesday - Friday, October 12 - 14, 7:30 AM - 5:00 PM

The wellness room will serve as a quiet room during the meeting. We request that this space be a technology-free quiet zone. Attendees can use this space to briefly disconnect.

#### TOUR DE BONE BIKE EVENT

Wednesday, October 12, 1:00 PM

Cost: Bike Rental



Special Events sponsored by **SurgeonMasters**

### EXHIBIT HALL HOURS

The exhibit hall will be open:

<b>THURSDAY, OCTOBER 13</b>	11:00 AM - 5:00 PM
<b>FRIDAY, OCTOBER 14</b>	9:00 AM - 4:00 PM



# SPECIAL EVENTS

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## RECEPTIONS

### HAPPY HOUR – EXHIBITOR RECEPTION

Thursday, October 13

5:20 PM – 6:20 PM

Sponsored by



All attendees invited.

### WELCOME RECEPTION

Thursday, October 13

6:30 PM – 8:30 PM

Splitsville – Sparkman's Wharf



### INTERNATIONAL RECEPTION

Wednesday, Oct. 12

4:50 PM – 6:00 PM

### PA/NP RECEPTION

Wednesday, Oct. 12

5:30 PM – 6:30 PM

### KATHY CRAMER WOMEN IN TRAUMA LUNCHEON

Friday, Oct. 14

12:35 PM – 1:35 PM

### 2022 NEW OTA MEMBER LUNCHEON

Friday, Oct. 14

12:35 PM – 1:35 PM

### MILITARY RECEPTION

Friday, Oct. 14

5:50 PM – 6:50 PM

## POSTER TOURS

Thursday Lunch 12:15 PM – 12:55 PM

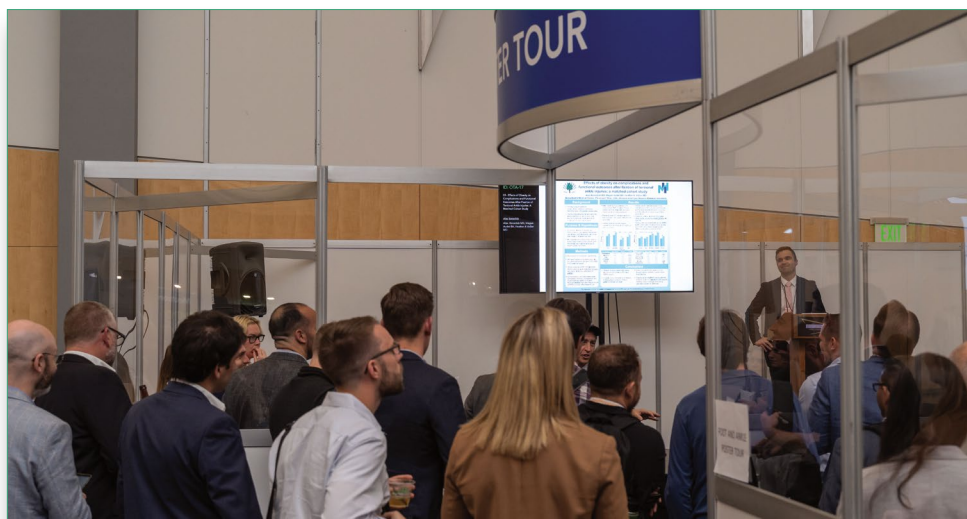
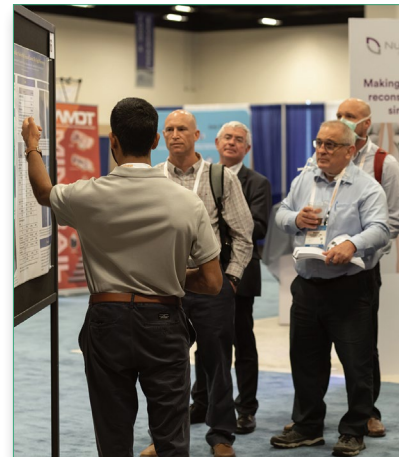
Friday Lunch 12:50 PM – 1:30 PM

Friday Suds n' Science 5:50 PM – 6:30 PM

## VIDEO TOURS

Thursday Lunch 12:15 PM – 12:55 PM

Friday Suds n' Science 5:50 PM – 6:30 PM



# INDUSTRY SESSIONS

## ORTHOPAEDIC TRAUMA ASSOCIATION'S 38<sup>TH</sup> ANNUAL MEETING

### INDUSTRY SESSIONS

	COMPANY	TITLE	FACULTY	DESCRIPTION
WEDNESDAY 6-9 PM	 <i>(JW Marriott Tampa Water Street, 2nd Floor)</i>	Stryker Experience		
THURSDAY BREAKFAST 7:00-7:50 AM	 <i>(Room 118)</i>	Expanding MIS Fixation Options for both Fragility and High Impact Fractures of the Pelvis		Join us as we learn how our surgeon partners are using the curved stable fixation of the CurvaFix® IM Implant to potentially enable early mobilization and recovery for their patients. This educational session will feature engaging case reviews, an overview of CurvaFix® IM Implant technology and panel discussions.
	 <i>(Room 119)</i>	Surgical Management of Intra-articular, Supracondylar & Diaphyseal Fractures of the Humerus		
THURSDAY LUNCH 12:10-1:00 PM	 <i>(Room 120)</i>	Case Calamities and Coffee		
	 <i>(Exhibit Hall Theater A)</i>			
THURSDAY LUNCH 12:10-1:00 PM	 <i>(Exhibit Hall Theater B)</i>	Advanced Plating Strategies for Peri-Implant Fractures of the Extremities: Are You Ready?	Samir Mehta, MD Reza Firoozabadi, MD Michael S. Kain, MD William M. Ricci, MD	Interactive case review with surgeon panel addressing various periprosthetic fractures.
	 <i>(Exhibit Hall Theater C)</i>			



# INDUSTRY SESSIONS




OCTOBER 12-15 2022 • TAMPA, FLORIDA



	COMPANY	TITLE	FACULTY	DESCRIPTION
THURSDAY LUNCH 12:10-1:00 PM, CONTINUED	 (Room 120)	<b>Innovative Solutions for Bone Defect Management</b>		In the world of complex reconstruction, there isn't just one solution to bone defect management. Our faculty will be presenting on their experience with the multiple solutions NuVasive Specialized Orthopedics provides surgeons to simplify the treatment of complex reconstruction.
	 (Room 121)	<b>Now Launching iFuse-TORQ®</b>	<i>Michael J. Gardner, MD Professor and Vice Chair Chief, Orthopaedic Trauma, Stanford University School of Medicine, Palo Alto, CA</i>	Cutting-Edge Pelvic Fixation & Fusion™
FRIDAY BREAKFAST 7:00-7:50 AM	 (Room 119)			
	 (Room 120)	<b>Alliance: Unlocking Value in Trauma</b>		
FRIDAY 10:25-11:25 AM	 (Room 120)	<b>Treatment of the Terrible Triad &amp; Complex Elbow Instability</b>		
	 (Room 121)	<b>Flexible Solutions: The Latest Minimally Invasive Approach to Ankle Fractures</b>		

# INDUSTRY SESSIONS

## ORTHOPAEDIC TRAUMA ASSOCIATION'S 38<sup>TH</sup> ANNUAL MEETING

COMPANY	TITLE	FACULTY	DESCRIPTION
 ZIMMER BIOMET  (Exhibit Hall Theater A)	<b>Treating the Challenging Geriatric Hip Fracture</b>		This presentation will address some of the challenges geriatric hip fractures pose for orthopaedic surgeons and treatment options for meeting patient needs.
<b>Smith+Nephew</b>  (Exhibit Hall Theater B)	<b>Rebuilding the Patient: Managing Poly-Trauma Patients</b>		Case based discussions focusing on the management of poly-trauma patients: the participant will learn current treatment pathways and best practices.
 DePuy Synthes <small>THE ORTHOPAEDICS COMPANY OF Johnson &amp; Johnson</small>  (Exhibit Hall Theater C)			
 Arthrex  (Room 120)	<b>Comprehensive Solutions for Fracture Management: Treating More Than the X-Rays</b>	<i>John D. (JD) Adams, Jr., MD                      Hank L. Hutchinson, MD                      Benjamin J. Maxson, DO                      John Munz, MD</i>	Arthrex invites you to interact with world-renown surgeons discussing the most innovative, safe and reproducible techniques for maximizing trauma surgery and improving outcomes to help you treat your patients better. This session will focus on comprehensive proximal humeral solutions, complex ankle fracture solutions, innovative nailing solutions, and addressing all aspects of the poly traumatic patient.
 3M Science. Applied to Life. <sup>™</sup>  (Room 121)			
 PBC BIOMED <small>Accelerating Medical Innovation</small>  (Room 119)	<b>Strengthening the Bond: Increasing Stability of Fracture Management</b>	<i>Dr. Tracy Watson                      Dr. Toney Russell                      Prof. Peter Giannoudis                      Dr. Alicja Bojan</i>	A global panel of surgeon experts will discuss the unanswered challenges in osteosynthesis and promising research for a new class of adhesive biomaterials.

FRIDAY LUNCH 12:45-1:35 PM



**NEW MEETING SCHEDULE!**

THURSDAY, 8:00 AM - ANNUAL MEETING OPENS  
SATURDAY, 12:15 PM - ANNUAL MEETING ADJOURNS

## Thursday, October 13, 2022

7:00 AM - **Breakfast Industry Sessions**  
7:50 AM

8:00 AM - **Welcome**  
8:10 AM Gerard P. Slobogean, MD, MPH, FRCSC  
Local Hosts: Roy Sanders, MD  
Hassan Riaz Mir, MD, MBA

8:10 AM - **PAPER SESSION I**  
9:10 AM **Hip & Femur I**  
Moderators: Brett D. Crist, MD  
Ida Leah Gitajn, MD

8:10 AM - **PAPER 67**  
8:16 AM **Uncemented Hip Hemi-Arthroplasty is Associated with Increased Fracture Risk and Complications Compared to Cemented Hemi-Arthroplasty**  
**Paulo Castaneda, MD;** Janyne Mallender, DO;  
Clayton Ho-Yin Hui, BS; Haroon Kisana, MS;  
Sorka Deeyor, BS; Eric James Pinkston, BA;  
Michael D. McKee, MD, FRCSC;  
Niloofer Dehghan MD, MSc

8:16 AM - **PAPER 68**  
8:22 AM **Increased Risk of Post-Operative Periprosthetic Femur Fracture with Uncemented Versus Cemented Hemiarthroplasty: A Nationwide Database Study of 24,468 Femoral Neck Fractures**  
**Frank Rodgers, MD;** Qian Yang, MPH;  
Darin M. Friess, MD; Zachary Mark Working, MD;  
Jung U. Yoo, MD; Ryland Phillip Kagan, MD

8:22 AM - **PAPER 69**  
8:28 AM **Risk Factors for Instability After Hip Arthroplasty for Femoral Neck Fracture**  
**Jeffrey Frandsen, MD;**  
Graham John Dekeyser, MD;  
Brenna Blackburn, PhD, MPH;  
The Arthroplasty for Hip Fracture Consortium;  
Jeremy Gililland, MD

8:28 AM - **PAPER 70**  
8:34 AM **Direct Anterior Versus Anterolateral Approach for Hip Arthroplasty After Femoral Neck Fracture in the Senior Population: Early Results from an Ongoing Prospective Randomized Clinical Trial**  
**Alexandra Cancio-Bello, BS;**  
Alexis Matrka, MD; Joseph Statz, MD;  
Brian Chalmers, MD; Michael J. Taunton, MD;  
William Wood Cross, MD

8:34 AM Discussion

8:40 AM - **PAPER 71**  
8:46 AM **Managing Femoral Neck Fractures in Adults Less than 50 years of Age: The Effects of Technical Errors on Outcomes in a Large, Multicenter Population**  
**Cory Alan Collinge, MD;**  
Payton Harris, DO; Andrea Finlay, PhD;  
Andres Felipe Rodriguez-Buitrago, MD;  
Guadalupe De La Fuente, MD;  
Michael John Beltran, MD;  
Phillip Mitchell, MD;  
Hassan Riaz Mir, MD, MBA;  
Michael J. Gardner MD;  
Henry Claude Sagi, MD;  
Michael T. Archdeacon, MD

8:46 AM - **PAPER 72**  
8:52 AM **Comparative Analysis of Supplemental Medial Buttress Plate Fixation for High-energy Displaced Femoral Neck Fractures in Young Adults**  
**Cory Alan Collinge, MD;** Payton Harris, DO;  
Andrea Finlay, PhD;  
Andres Felipe Rodriguez-Buitrago, MD;  
Guadalupe De La Fuente, MD;  
Michael John Beltran, MD;  
Phillip Mitchell, MD;  
Hassan Riaz Mir, MD, MBA;  
Michael J. Gardner, MD;  
Henry Claude Sagi, MD;  
Michael T. Archdeacon, MD

# PRELIMINARY PROGRAM – THURSDAY, OCTOBER 13

## ORTHOPAEDIC TRAUMA ASSOCIATION'S 38<sup>TH</sup> ANNUAL MEETING

### Thursday, continued

- 8:52 AM - **PAPER 73**  
8:58 AM **Revisiting the Fixation of Valgus-Impacted Femoral Neck Fractures**  
**Noelle Lily Van Rysselberghe, MD;**  
*Harsh Wadhwa, BS;*  
*Seth Stravers Tigchelaar, PhD;*  
*Sara K. Shin, MD; Rosser William McCallie, MD;*  
*Evan M. Miller, MD; Ameen Barghi, MD;*  
*Richard Sulter Moore BS; Andrea I. Hankins;*  
*Robert Paul Dunbar, MD;*  
*Michael Freeman Githens, MD;*  
*Sean E. Nork, MD; Conor P. Kleweno, MD;*  
*Michael Bellino, MD; Christopher Parks, MD;*  
*Jonah Hebert-Davies, MD; Eben A. Carroll, MD;*  
*Christopher Glenn Finkemeier, MD;*  
*Julius A. Bishop, MD; Michael J. Gardner, MD*
- 8:58 AM - **PAPER 74**  
9:04 AM **High Complication Rate After Percutaneous Screw Fixation for Valgus Impacted Femoral Neck Fractures Without Sagittal Malalignment**  
*Kyle Marten Altman, MD; Taylor Lear, BS;*  
*Julia Anne Prodoehl, MD;*  
*Stephanie Lewis Tanner, MS;*  
*Angela L. Wang, BS; Robert A. Hymes, MD;*  
**Greg E. Gaski, MD;** *John David Adams, MD*
- 9:04 AM Discussion

- 9:10 AM - **PAPER SESSION I**  
10:10 AM **Hip & Femur II**  
Moderators: *Gregory J. Della Rocca, MD, PhD, FACS*  
*Holly Tyler-Paris Pilson, MD*

- 9:10 AM - **PAPER 75**  
9:16 AM **Does Debriding Low-Velocity Civilian Ballistic Femur Fractures Decrease Complications?**  
**Brianna Fram, MD;**  
*Nainisha Chintalapudi, MD; Mario Cuadra, MD;*  
*Jana M. Davis, MD; Ziqing Yu, MS;*  
*Madhav A. Karunakar, MD; EMIT*

- 9:16 AM - **PAPER 76**  
9:22 AM **Radiologic and Clinical Outcomes of Augmentation in Fragility Intertrochanteric Hip Fracture Treatment: A Randomized Multicenter Clinical Trial**  
*Carlos Mario Olarte, MD;*  
*Rodrigo Pesantez-Hoyos, MD;*  
*Andrés Libos Zabala, MD;*  
**Daniela Sanchez, MD;**  
*Stephanie Renza, DMed;*  
*Miguel Alvaro Triana, MD;*  
*Julian Salavarieta, MD*

- 9:22 AM - **PAPER 77**  
9:28 AM **Significant Loss of Skeletal Muscle Mass Occurs After Femoral Fragility Fracture**  
**Aspen Miller, BS;** *John Davison, MPH;*  
*Ruth E. Grossmann, PhD, RN; Lisa Reider, PhD;*  
*Jason M. Wilken, PhD, PT;*  
*Natalie Ann Glass, PhD; Cindy Lynn Headlee;*  
*Tessa Kirkpatrick, BS;*  
*Daniel C. Fitzpatrick, MD;*  
*Erin C. Owen, MPH, PhD;*  
*J. Lawrence Marsh, MD; Michael C. Willey, MD*

- 9:28 AM - **PAPER 78**  
9:34 AM **Outcomes of Geriatric Periprosthetic Distal Femur Fractures: Comparison of Fixation Versus Reconstruction**  
**Noah Joseph, MD;** *William A. Zuke, MD;*  
*Megan Sharpe, BS, MA; Abigail Bacharach;*  
*Nihal Anil Punjabi, BS; Ahmed Emara, MD;*  
*Nicolas Santiago Piuze, MD; Kirsten Boes, MPH;*  
*George Ochenjele, MD;*  
*Brendan M. Patterson, MD;*  
*Heather A. Vallier, MD*

- 9:34 AM Discussion





# PRELIMINARY PROGRAM – THURSDAY, OCTOBER 13

OCTOBER 12-15 2022 • TAMPA, FLORIDA

9:40 AM - **PAPER 79**  
9:46 AM **Retrograde Intramedullary Nailing Versus Locked Plating for Extreme Distal Periprosthetic Femur Fractures: A Multi-Center Retrospective Cohort Study**  
**Noelle Lily Van Rysselberghe, MD;**  
Ryan Seltzer; Taylor Alexis Lawson;  
Justin Paul Kuether, MD;  
Parker Alan White MD; Phillip Grisdela, MD;  
Hayley Daniell, MD; Arya Amirhekmat;  
Nelson J. Merchan, MD;  
Thomas M. Seaver, MD;  
Aneesh V. Samineni, BA;  
Blake Joseph Schultz, MD;  
Juntian Wang, MD;  
Gregory David Dikos, MD;  
Stephen James Warner, MD, PhD;  
Timothy S. Achor, MD;  
Milton Thomas M. Little, MD;  
Michael John Weaver, MD;  
Paul Tornetta III, MD;  
John A. Scolaro, MD, MA;  
John J. Wixted, MD; Timothy G. Weber, MD;  
Michael Bellino, MD; Michael J. Gardner MD;  
Julius A. Bishop MD

9:46 AM - **PAPER 80**  
9:52 AM **Nail Plate Fixation for Distal Femur Fractures: A Multicenter Case Series**  
**Brendan Shi, MD;** Benjamin Kelley, MD;  
Dane Jensen Brodke, MD;  
Alexander Upfill-Brown, MD, MSc;  
Sai Devana, MD; Nathan N. O'Hara, PhD;  
Cynthia Burke, BS, BSN; Jayesh Gupta, BS;  
Natasha McKibben, BS;  
Robert V. O'Toole, MD;  
John Morellato, MBBS;  
William Hunter Gillon;  
Murphy McGriff Walters, MD;  
Colby Barber, MD; Paul William Perdue, MD;  
Graham John Dekeyser, MD;  
Lillia Steffenson, MD;  
Lucas Scott Marchand, MD;  
Marshall James Fairres, MD;  
Stephen J. Shymon, MD;  
Loren O. Black, MD, MBA;  
Zachary Mark Working, MD;  
Trevor Gulbrandsen, MD; Matthew Hogue, MD;  
Omar Hammad Atassi, MD;  
Thomas W. Mitchell MD; Erika Roddy, MD;  
Ashraf N. El Naga, MD; Christopher Lee, MD

9:52 AM - **PAPER 81**  
9:58 AM **Risk Factors for Reoperation to Promote Union in 1,128 Distal Femur Fractures**  
**Dane Jensen Brodke, MD;** Sai Devana, MD;  
Adolfo Hernandez, MS;  
Nathan N. O'Hara, PhD; Cynthia Burke, BS, BSN;  
Jayesh Gupta, BS; Natasha McKibben, BS;  
Robert V. O'Toole, MD; John Morellato, MBBS;  
Murphy McGriff Walters, MD;  
William Hunter Gillon; Colby Barber, MD;  
Paul William Perdue, MD;  
Graham John Dekeyser, MD;  
Lillia Steffenson, MD;  
Lucas Scott Marchand, MD;  
Stephen J. Shymon, MD;  
Marshall James Fairres, MD;  
Loren O. Black, MD, MBA;  
Zachary Mark Working, MD;  
Matthew Hogue, MD;  
Trevor Gulbrandsen, MD;  
Omar Hammad Atassi, MD;  
Thomas W. Mitchell, MD; Erika Roddy MD;  
Ashraf N. El Naga, MD; Christopher Lee, MD

9:58 AM - **PAPER 82**  
10:04 AM **Malreduction is the Most Important Technical Factor Contributing to Nonunion in Supracondylar Distal Femur Fractures Treated with Lateral Locked Plating**  
**David John Stockton, MD, MSc;**  
Nathan N. O'Hara, PhD;  
Dane Jensen Brodke, MD;  
Natasha McKibben, BS;  
Kathleen Marie Healey, BA;  
Abraham Michael Goch, MD;  
Haley Demyanovich, MS;  
Lucas Scott Marchand, MD;  
Stephen J. Shymon, MD;  
Paul William Perdue, MD;  
Omar Hammad Atassi, MD;  
Zachary Mark Working, MD;  
Ashraf N. El Naga, MD;  
Matthew Hogue, MD;  
John Morellato, MBBS;  
Eric Hempten, MD;  
Gerard Slobogean, MD, MPH;  
Christopher Lee, MD; Robert V. O'Toole, MD

10:04 AM Discussion

# PRELIMINARY PROGRAM – THURSDAY, OCTOBER 13

## ORTHOPAEDIC TRAUMA ASSOCIATION’S 38<sup>TH</sup> ANNUAL MEETING

### Thursday, continued

9:10 AM - **CONCURRENT BREAKOUT SESSIONS**  
10:10 AM **Proximal Humerus Fractures:  
From Rehab to Repair to Reverse**

Moderator: **Ranjan Gupta, MD**  
Faculty: **Michael Gardner, MD**  
**Kenneth Egol, MD**  
**Mark Frankle, MD**  
**Babar Shafiq, MD**  
**Philip Lim, MD**

#### Learning Objectives

- Epidemiology, Pathoanatomy, Pre-operative Work-up/Imaging, Non-operative treatment (ProFHER) and Fracture Classification of Proximal Humerus Fractures.
- Surgical Approaches, Pearls for Tuberosity Management, Surgical Tips for ORIF including intramedullary Nails, Cages, Fibula Strut Grafts, and all things other than a Plate.
- Glenoid Exposure, Baseplate management, and Deltoid tensioning with rTSA for proximal humerus fracture.

#### Description

Proximal humerus fractures are commonly treated by all orthopedic surgeons that provide trauma care. Recently, there has been a wealth of new information ranging from the revised surgical indications suggested by the ProFHER study to new techniques for open reduction and internal fixation to the increase use of reverse total shoulder arthroplasty for surgical management of proximal humerus fractures. Accordingly this tremendous increase in knowledge and data has not been uniformly absorbed by all practicing orthopedic surgeons and has left tremendous gaps in our understanding and management. The purpose of this symposium is to provide a thoughtful, evidence based approach with algorithms and case presentations and discussions as to how to best manage these ubiquitous fracture.

9:10 AM - **When All Hope Is Lost;  
How to Salvage the  
Unsalvageable**  
10:10 AM  
Moderator: **Conor P. Kleweno, MD**  
Faculty: **Jonah Hebert-Davies, MD**  
**Timothy Achor, MD**  
**Mitchell Bernstein, MD**  
**Sean Nork, MD**

#### Learning Objectives

- Identifying cases that have the potential for disastrous outcomes and how to avoid those.
- Finding creative solutions for bad injuries gone wrong. Using cases to find creative solutions to horrible problems.
- How to manage the multiply operated patient who still does not have a good solution. Using cases to examine why try try again is not always the best practice.

#### Description

This session will look at how to treat patients with bad injuries when all hope has been lost. These are some of the worst combination of fractures, soft tissue injuries, host factors and previous surgical complications. The hope is that this session can give shed some light on these problems and give the attendee some new solutions.





# PRELIMINARY PROGRAM – THURSDAY, OCTOBER 13

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10:10 AM - **Break**  
10:25 AM

10:25 AM - **TECHNICAL TIPS AND TRICKS**  
10:45 AM

10:25 AM - **3-D Printing for Large Segmental Bone Defects in the Femur and Tibia: A Case Study and Review of the Literature**  
10:27 AM  
**Jon Hammarstedt, MD;**  
Edward Ryan Westrick, MD

10:27 AM - **Intra-articular Glenoid Visualization in Scapula Fractures**  
10:29 AM  
**Ryan Mayer, MD;** Augustine M. Saiz, MD;  
Patrick Kellam, MD;  
Blake Joseph Schultz, MD;  
Stephen James Warner, MD, PhD;  
Andrew M. Choo, MD

10:29 AM - **Case Series of Tibial Tubercle Osteotomy to Address Complex Articular Distal Femur Fractures**  
10:31 AM  
Daniel Basem Botros, BA; Ryan Kottmeier;  
Anthony Modica, MS; Amanda Pawlak, MD;  
Stephen Kottmeier, MD

10:31 AM - **Improving Pelvic Imaging for Percutaneous Sacroiliac Fixation/Fusion: A Technical Trick**  
10:33 AM  
**John-David Black, MD**

10:33 AM - **Double Internal Bone Transport: A New Method to Reduce Treatment Time After Major Bone Loss**  
10:35 AM  
**Ulrik Kähler Olesen, MD;**  
Upender Martin Singh, MD;  
Michael M. Petersen, MD

10:35 AM - **Q&A**  
10:45 AM

10:45 AM **BSFF/ITCF COMBINED SYMPOSIUM**  
12:00 PM **Distal Femur Fractures: Basic Science and International Perspectives**

Moderators: *Aaron Nauth, MD*  
*Hans-Christoph Pape, MD*

10:45 AM **Overview**  
*Aaron Nauth, MD; Hans-Christoph Pape, MD*

10:50 AM **Distal Femur Fixation: Biomechanical Considerations**  
*Peter Augat, PhD*

11:00 AM **Preventing Post-traumatic Arthritis in Articular Injuries: The Latest Basic Science Evidence**  
*Justin Haller, MD*

11:10 AM **Managing Non-unions: Biological Options**  
*Michael D. McKee, MD, FRCSC*

11:20 AM **Nailing, Plating, or Both: Optimizing Stability**  
*Hans-Christoph Pape, MD*

11:30 AM **Distal Femur Fractures: What Factors Determine Outcomes?**  
*Christian Krettek, MD*

11:40 AM Discussion

12:00 PM - **LUNCH IN THE EXHIBIT HALL**  
1:00 PM **Poster Tours (12:15 - 12:55 pm)**

**Hip & Femur**  
*Paul Tornetta III, MD*

**Upper Extremity**  
*Milan K. Sen, MD, FRCSC*

**Video Tour (12:15 - 12:55 pm)**

**Lunch Industry Sessions**

1:00 PM - **PRESIDENTIAL WELCOME**  
1:15 PM **and DONOR AWARDS**



# PRELIMINARY PROGRAM – THURSDAY, OCTOBER 13

## ORTHOPAEDIC TRAUMA ASSOCIATION'S 38<sup>TH</sup> ANNUAL MEETING

### Thursday, continued

1:15 PM -  
2:15 PM



INTERNATIONAL  
ORTHOPAEDIC  
TRAUMA  
ASSOCIATION

#### SYMPOSIUM I International Orthopaedic Trauma Association Symposium: Fracture-related Infections: Management in the Acute Setting

Moderator: *Theodore Miclau III, MD*

Faculty: *Achille Contini, MD*  
*Michael Verhofstad, MD, PhD*  
*William Obrebsky, MD*  
*Yoram Weil, MD*  
*Yoshinobu Watanabe, MD*  
*Hans-Christoph Pape, MD*  
*Kodi Kojima, MD*

#### Learning Objectives

- To understand principal criteria to evaluate critical issues in the management of acute (<6 weeks) fracture-related infection (FRI), including diagnosis, surgical management, and antibiotic administration.
- To debate specific controversies in traditional approaches and recent advances to FRI.
- To highlight regional differences in approaches to FRI.

#### Description

Fracture-related infection (FRI) remains an unsolved problem in musculoskeletal trauma surgery. This symposium, a collaborative effort of the International Orthopaedic Trauma Association (IOTA) seeks to debate some of the major controversial topics in the management of patients with FRI using both conventional and recent approaches in the acute setting.

2:15 PM - **PAPER SESSION II**

3:15 PM **Chair's Choice**

Moderators: *Gerard P. Slobogean, MD, MPH, FRCSC*  
*Edward J. Harvey, MD*

- 2:15 PM - **Policy Changing Paper**  
2:21 PM **PAPER 83**  
**PREVENT CLOT**  
(Aspirin Versus Low-Molecular-Weight Heparin for Thromboprophylaxis): A Randomized Clinical Trial of Over 12,000 Orthopaedic Trauma Patients  
METRC; **Robert V. O'Toole, MD**
- 2:21 PM Discussion
- 2:27 PM - **PAPER 84**  
2:33 PM **Aqueous-PREP: A Pragmatic Randomized Trial Evaluating Pre-operative Aqueous Antiseptic Skin Solutions in Open Fractures**  
PREP-IT Investigators;  
**Gerard Slobogean, MD, MPH**
- 2:33 PM - **PAPER 85**  
2:39 PM **Do NSAIDs Increase the Risk of Non-Union? Results of the PAIN Study, A Three Arm, Multicenter, Double Blind, Randomized Control Trial**  
METRC; **Renan C. Castillo, MD**
- 2:39 PM - **PAPER 86**  
2:45 PM **Cognitive-Behavioral-Based Physical Therapy for Improving Recovery After Orthopaedic Traumatic Lower Extremity Injury (CBPT-Trauma)**  
METRC; **Stephen Wegener, PhD**
- 2:45 PM Discussion
- 2:51 PM - **PAPER 87**  
2:57 PM **A Multicentre, Randomized Trial of Far Cortical Locking Versus Standard Constructs for Acute, Displaced Fractures of the Distal Femur Treated with Locked Plate Fixation**  
**Kelly A. Lefavre, MD, FRCSC;**  
*Gerard Slobogean, MD, MPH;*  
*Peter Joseph O'Brien, MD, FRCSC;*  
*Canadian Orthopaedic Trauma Society*

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2:57 PM -  
3:03 PM

## PAPER 88

**Medial Malleolus: Operative or Non-operative (MOON) Trial - A Prospective Randomized Controlled Trial of Operative Versus Non-operative Management of Associated Medial Malleolar Fractures in Unstable Ankle Fractures**

Thomas Carter, MD;

**William M. Oliver, MBBS, MRCSED;**

Katrina Roxanne Bell, MBCHB, MRCSED;

Cat Graham, MSc;

Andrew David Duckworth, PhD, MSc;

Timothy O. White, MD, FRCS

3:03 PM -  
3:09 PM

## PAPER 89

**The Long-term Effect of Intraoperative Hip Fracture Injections (HiFI) on Function and Patient Reported Outcomes: A Randomized Controlled Trial**

Rivka Chinyere Ihejirika-Lomedico, MD;

Nathan August Lorentz;

**Sara Jo Solasz, BA;** Abhishek Ganta, MD;

Nirmal C. Tejwani, MD, FRCS;

Sanjit R. Konda, MD; Kenneth A. Egol, MD;

Philipp Leucht, MD

3:09 PM

Discussion

3:15 PM -  
3:45 PM

**Break in the Exhibit Hall**

3:45 PM -

## CONCURRENT BREAKOUT SESSIONS

4:45 PM

**Current Strategies and Techniques for Operative Fixation of Complex Ankle Fractures and Fractures of the Tibial Plafond**

Moderator: **Mark Gage, MD**

Faculty: **Jason Nascone, MD**

**Marcus Sciadini, MD**

**Brandon Yuan, MD**

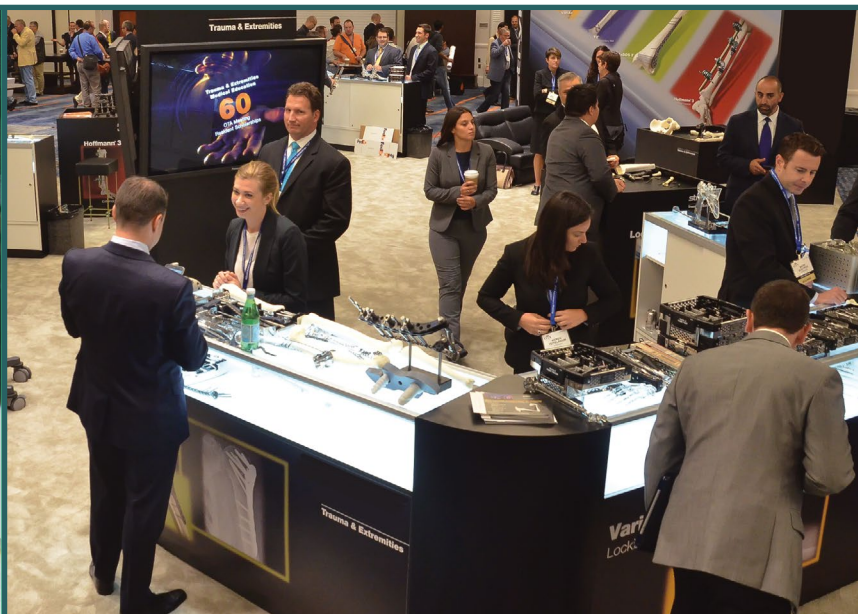
**Derek Donegan, MD, MBA**

### Learning Objectives

- Getting the diagnosis right --- don't miss a higher level injury or a pilon variant! not every ankle fracture is a bi- or trimalleolar ankle fracture!
- Deciding, how and when, to use approaches (anterior/posterior) and current update on the latest fixation strategies (i.e. mini fragment, IMN).
- Salvage (fusions, frames, amputations) --- when to say enough is enough!

### Description

The goal of this breakout session is to provide operative management strategies to avoid complications and achieve desired outcomes. Presentations will be case-based and include everything from the simple to complex fractures. Strategies will focus on the latest decision making and fixation options to maximize outcomes.





# PRELIMINARY PROGRAM – THURSDAY, OCTOBER 13

## ORTHOPAEDIC TRAUMA ASSOCIATION’S 38<sup>TH</sup> ANNUAL MEETING

### Thursday, continued

3:45 PM - **CONCURRENT BREAKOUT SESSIONS**  
4:45 PM **Geriatric Acetabular Fractures -  
Fix, or Fix and Replace -  
What Do We Know?**

Moderator: **Marissa Bonyun, MD**  
Faculty: **Milton Routt, MD**  
**Frank Liporace, MD**  
**Aaron Johnson, MD**

#### Learning Objectives

- Participants will learn to identify radiographic and/or patient characteristics that suggest success with open reduction, internal fixation, and those that suggest challenges and consideration of arthroplasty.
- Participants will learn tips and tricks for the surgical management of these complex injuries, including open reduction internal fixation with or without arthroplasty.
- Participants will develop a framework for decision-making in the management of the geriatric acetabular fracture, including when to fix, and when to fix and replace.

#### Description

Debate exists with minimal solidified evidence on the optimum surgical management for the patient with a geriatric acetabular fracture. Traumatologists are faced with decision making regarding acute (or delayed) arthroplasty in the setting of these fractures, despite little to no formal arthroplasty training beyond residency. This session will provoke panelists to elicit and explain their decision-making process and approach to the geriatric acetabular fracture, facilitated through the lens of a young practitioner. Case-based panel discussion will explore radiographic points, patient characteristics and evidence-based decision drivers with the discussion framed to answer: geriatric acetabular fractures - fix, or fix and replace - what do we know?

3:45 PM - **Tips, Tricks and Pitfalls in the  
Management of Complex Distal  
Humerus Fractures**

Moderator: **Marschall Berkes, MD**  
Faculty: **Milton Little, MD**  
**Jonah Hebert-Davies, MD**  
**John A. Scolaro, MD, MA**

#### Learning Objectives

- Review indications, tips, tricks and pitfalls for managing intra-articular distal humerus fractures.
- Present strategies for diagnosing and surgically managing atypical distal humerus fractures.
- Present common complications and associated operative and nonoperative treatment strategies following intra-articular distal humerus fracture management.

#### Description

Distal humerus fractures are challenging injuries by virtue of their injury patterns and anatomical considerations. This breakout session seeks to highlight issue commonly encountered in the surgical management of intra-articular distal humerus fractures with regard to choice of surgical exposure, implant choice and avoidable pitfalls. Furthermore, cases of unusual or atypical distal humerus fractures with proximal extension or anterior shear patterns will be discussed to highlight alternative surgical exposures and reconstruction tactics. Finally, postoperative complications will be reviewed in case based format to provide the audience with strategies to avoid or manage these difficult situations.



# PRELIMINARY PROGRAM – THURSDAY, OCTOBER 13

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3:45 PM - **CONCURRENT BREAKOUT SESSIONS**  
4:45 PM **Mental Health and Wellbeing in Orthopaedic Trauma Patients**

Moderator: **Joseph Hsu, MD**  
Faculty: **David Ring, MD**  
**Heather A. Vallier, MD**  
**Anna Miller, MD**  
**Hassan Riaz Mir, MD, MBA**  
**Meghan Wally, PhD**  
**Philip Wolinsky, MD**

### Learning Objectives

- Synthesize existing research regarding the link between patient mental health and wellbeing, both before and after injury, and patient outcomes during recovery from orthopaedic trauma.
- Discuss practical and scalable programs healthcare systems can implement to appropriately screen for and intervene on mental health conditions.
- Define opportunities for future areas of development to provide more comprehensive care for patients during recovery from orthopaedic trauma.

### Description

The impact of mental health and wellbeing on orthopaedic trauma patients is increasingly recognized by healthcare providers and patients. There is a growing body of evidence that patient recovery and outcomes can be affected by pre-existing or post-traumatic mental health conditions or wellbeing. As musculoskeletal experts, orthopaedic trauma surgeons may not have proficiency in this area of patient care or be aware of how to recognize or properly refer patients for treatment, but most feel that their patients would benefit from mental health and wellbeing support during recovery. In response, the OTA Patient Mental Health Taskforce has convened a group of content experts to provide valuable resources on the current state of affairs and highlight future areas for development to provide more comprehensive care for our patients during recovery from orthopaedic trauma. The goal of this symposium will be to promote the concept of patient wholeness of recovery following orthopaedic trauma by assessing and addressing related mental health conditions and educate the orthopaedic trauma community on existing models for evaluation, support, and interplay of mental health and wellbeing on our patients and various aspects of their outcomes and care.

3:45 PM - **Young Femoral Neck Fractures: Controversies, Tips, Tricks, and Implants to Optimize Outcomes**

Moderator: **Arun Aneja, MD**  
Faculty: **Samir Mehta, MD**  
**Eben Carroll, MD**  
**Matthew Graves, MD**  
**Brett D. Crist, MD**

### Learning Objectives

- Address various controversies in treating young femoral neck fractures regarding timing, open versus closed treatment, and the optimal implant.
- Discuss failure modes and discuss concept of load path analysis in preventing failure.
- Discuss various treatment options for the failed femoral neck fixation.

### Description

Young femoral neck fractures result from high-energy mechanisms and based on verticality of fracture can have devastating outcomes of AVN, nonunion, and fixation failure. These are very challenging injuries, ripe with controversies regarding timing, optimal treatment, and implant choice. This break out session will cover concepts of diagnosis/management, time to treatment, the topic of closed versus open surgical repair, tips and tricks to achieve reduction, and modern implants options that maintain reduction. The final section will discuss how to handle the various complications associated with fixation failure. This session will address various controversies and fill knowledge gaps in order to optimize patient outcomes for a challenging injury pattern.

3:45 PM - **Solutions for Long Bone Defects**

4:45 PM Moderator: **Geoffrey Marecek, MD**  
Faculty: **Janet Conway, MD**  
**Edward Westrick, MD**  
**Mitchell Bernstein, MD**

### Learning Objectives

- Understand the benefits and potential pitfalls with the induced membrane technique.
- Identify patients who stand to benefit from distraction osteogenesis and plan bone transport.
- Recognize alternative defect management strategies including free vascularized tissue transfer and structural (3D printed, allograft) management.

### Description

Faculty will share a short case to highlight their proposed technique and engage in a case-based discussion of bone defect cases

# PRELIMINARY PROGRAM – THURSDAY-FRIDAY

## ORTHOPAEDIC TRAUMA ASSOCIATION’S 38<sup>TH</sup> ANNUAL MEETING

### Thursday, continued

4:50 PM -  
5:20 PM



#### Presidents Message “Leading by Example”

**Michael T. Archdeacon, MD**

Peter J. Stern Professor and Chairman of the Department of Orthopaedic Surgery at the University of Cincinnati College of Medicine

5:20 PM -  
6:20 PM

**OTA Business Meeting (Members Only)**  
**Concurrent pre-reception (Happy Hour) in exhibit hall**

6:30 PM -  
8:30 PM

#### Welcome Reception Splitsville - Sparkman’s Wharf

Relax and reconnect with your colleagues while experiencing an assortment of great food, beverages, music and more.



### Friday, October 14, 2022

7:00 AM -  
7:50 AM

#### Breakfast Industry Sessions

8:00 AM -  
9:15 AM

#### SYMPOSIUM II Systems Based Approaches to Vulnerable Population Healthcare in Orthopedic Trauma

Moderator:  
Faculty:

*Milton Little, MD*  
*Christian Pean, MD*  
*Malcolm DeBaun, MD*  
*Mark Fleming, DO*  
*Damayea Hargett, MD*  
*Charisse Sparks, MD*  
*Kanu Okike, MD, MPH*  
*Toni McLaurin, MD*

#### Learning Objectives

- Participants will be introduced to and become well versed in vulnerable population risks and evidence-based clinical considerations in the setting of orthopedic trauma injury. Geographic and practice-setting specific solutions based on policy pertaining to population health will be described.
- This symposium will address health policy nuances, hospital financial considerations, and reimbursement strategies to better incentivize care for higher risk patient populations and reduce healthcare disparities in orthopedic trauma surgery. Using data-driven approaches to addressing structural racism and socioeconomic barriers to care will be discussed.
- Attendees will understand current and future health policies on disproportionate share hospital payments, racial disparities in surgical care, value based care, and payment reform. Directions for innovative solutions for orthopedic trauma surgeons treating vulnerable patient populations will be highlighted.

#### Description

The healthcare landscape is shifting towards value-based care and pay-for-performance reimbursement strategies. Orthopedic trauma surgeons also treat a disproportionate share of patients who suffer from nonmodifiable medical conditions or who



# PRELIMINARY PROGRAM – FRIDAY, OCTOBER 14

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face insurmountable systemic barriers to achieving equitable surgical care. Orthopedic trauma surgeons have dutifully adhered to their professional and ethical obligations to continue providing the highest standard of care to low-income and minority patients, but changes in health policy have not adequately financially incentivized surgeons or hospital systems to address the care burden for these patients. This symposium will convene surgeons at the forefront of treating these patient populations. Panelists will introduce paths forward to health policy and systems reform to improve surgical care for vulnerable patient populations and reducing racial health disparities in orthopedic trauma surgery.

9:15 AM -  
9:55 AM



**John Border Memorial Lecturer**  
“We Stand on the Shoulders of Those Before Us: A Presidential Address, Revisited”

**David L. Helfet, MD**  
OTA Past President  
Chief Emeritus of Orthopedic Trauma Service (OTS) for the Hospital for Special Surgery and NY Presbyterian Hospital,  
Professor of Orthopedic Surgery at Weill Cornell Medicine

9:55 AM -  
10:25 AM

**Break in the Exhibit Hall**

10:25 AM - 11:25 AM **Concurrent Industry Sessions**

10:25 AM - 11:35 AM **PAPER SESSION III**  
**General Interest, Geriatric**

Moderators: *Nirmal C. Tejwani, MD, FRCGS*  
*Toni M. McLaurin, MD*

10:25 AM - 10:31 AM **PAPER 90**  
**A Liberal Transfusion Threshold Leads to Higher Infection Rates, Orthopaedic Trauma and Anemia: Conservative Versus Liberal Transfusion Strategy (ORACL), A Prospective Randomized Study 30 Day Inpatient Complications**  
**Brian Mullis, MD;** *Leilani Mullis;*  
*Laurence Kempton, MD; Walter W. Virkus, MD;*  
*Jennifer L. Bruggers, MD*

10:31 AM - 10:37 AM **PAPER 91**  
**Postoperative Complications in Trauma Patients Receiving VTE Prophylaxis**  
**Paulo Castaneda, MD;** *Sorka Deeyor, BS;*  
*Haroon Kisana, MS; Arjun Vohra, MD;*  
*Clayton Ho-Yin Hui, BS;*  
*Chad Daniel Stecher, PhD;*  
*Michael D. McKee, MD, FRCSC;*  
*Joshua Hustedt, MD*

10:37 AM - 10:43 AM **PAPER 92**  
**Delayed Surgery Increases the Rate of Infection in Closed Fractures in Low- and Middle-Income Countries**  
**Aditya K. Subramanian, BS;**  
*Hannah Elsevier, MD;*  
*Michael Jesse Flores, BS;*  
*Kelsey Elizabeth Brown, BA;*  
*Lewis G. Zirkle, MD; David Shearer, MD;*  
*Saam Morshed, MD*

10:43 AM Discussion

10:48 AM - 10:54 AM **PAPER 93**  
**Regional Anesthesia Delays Mobility and Increases Length of Stay in Hip Fracture Patients**  
**Nicholas James Morriss, BA;**  
*David Kerr, MD;*  
*Daniel Joseph Cunningham, MD;*  
*Billy Insup Kim; Elle Martin Macalpine;*  
*Colleen Wixted, BS;*  
*Kwabena Adu-Kwarteng;*  
*Malcolm DeBaun, MD; Mark Gage, MD*

# PRELIMINARY PROGRAM – FRIDAY, OCTOBER 14

## ORTHOPAEDIC TRAUMA ASSOCIATION'S 38<sup>TH</sup> ANNUAL MEETING

### Friday, continued

- 10:54 AM - **PAPER 94**  
11:00 AM **The Fascia Iliac Block in Hip Fractures: A Triple Crown Benefit**  
**Lisa K. Cannada, MD;**  
*Daniela Gustaitis, BSN, RN;*  
*Daniel Ross Briggs;*  
*Todd Michael Hall MD, MBA*
- 11:00 AM - **PAPER 95**  
11:06 AM **Thromboelastography as a Marker for Heritable Thrombophilia and Increased Risk of VTE After Pelvic Fracture**  
**Nihar Samir Shah, MD;** Robert Matar, MD;  
*Julie Agel, ATC;* Reza Firoozabadi, MD;  
*Michael T. Archdeacon, MD;*  
*Henry Claude Sagi, MD*
- 11:06 AM Discussion
- 11:12 AM - **PAPER 96**  
11:18 AM **Recidivism is Reduced with Engagement in Psychosocial Programming Following Orthopaedic Trauma**  
**Isabella Heimke, BA;** Ryan Furdock MD;  
*Natasha Simske, BS;*  
*Megen Joann Simpson, MEd;*  
*Sarah Hendrickson, MEd;*  
*Heather A. Vallier, MD*
- 11:18 AM - **PAPER 97**  
11:24 AM **Factors Associated with Return to Work in Patients with Musculoskeletal Trauma: A Multi-center Cohort Study**  
**Keisuke Ishii, MD;** Hiroyuki Oka, MD;  
*Koichi Inokuchi MD, PhD;*  
*Akiro Higashikawa, MD, PhD;*  
*Takashi Maehara MD, PhD;*  
*Hiroaki Konishi; Yoji Mikami, MD, PhD*
- 11:24 AM - **PAPER 98**  
11:30 AM **Factors Influencing Professional Well-being in Orthopaedic Surgeons**  
**Zachery Lynn Hong, BA;**  
*Anna Noel Miller, MD*
- 11:30 AM Discussion

11:40 AM - **PAPER SESSION IV**  
12:35 PM **Foot & Ankle, General Interest II**  
  
Moderators: *Harmeeth S. Uppal, MD, MS, FACS*  
*Christopher M. McAndrew, MD, MSc*

- 11:40 AM - **PAPER 99**  
11:46 AM **Randomized Controlled Trial Comparing a Multimodal Pain Protocol Versus Hydrocodone-Acetaminophen After Outpatient Orthopaedic Trauma Surgeries**  
*Matthew Siow, MD, MBA;*  
**Canhngi Ta, BS;** Paul J. Girard, MD;  
*Alexandra Kay Schwartz, MD;*  
*William T. Kent, MD*
- 11:46 AM - **PAPER 100**  
11:52 AM **Clinical Trial of a New Device for Real-Time Muscle Pressure Measurements in Patients with an Upper or Lower Extremity Fracture at Risk for Acute Compartment Syndrome**  
**Ross K. Leighton, MD;**  
*Mohammed Ali M. Balhareth, MD, MBBS*
- 11:52 AM - **PAPER 101**  
11:58 AM **Single-Incision Fasciotomy Decreases Infection Risk Compared to Dual-Incision Fasciotomy in Treatment of Tibial Plateau Fractures with Acute Compartment Syndrome**  
**Graham John Dekeyser, MD;**  
*Eli W. Bunzel, MD;*  
*Dillon Christopher O'Neill, MD;*  
*Sean E. Nork, MD; Justin Haller, MD;*  
*David Barei, MD*
- 11:58 AM - **PAPER 102**  
12:04 PM **Lower Costs, Complications and Length of Stay for Arthroscopic Versus Open Washout for Native Knee Septic Arthritis**  
**Alexander Uppfill-Brown, MD, MSc;**  
*Brendan Shi, MD; Matthew Carter, BS;*  
*Carlos Maturana, MS; Erik Mayer, MD;*  
*Dane Jensen Brodke, MD;*  
*Benjamin Kelley, MD; Akash Shah, MD;*  
*Sai Devana, MD; Alexandra Stavrakis, MD;*  
*Christopher Lee, MD*
- 12:04 PM Discussion

# PRELIMINARY PROGRAM – FRIDAY, OCTOBER 14

OCTOBER 12-15 2022 • TAMPA, FLORIDA

12:10 PM - **PAPER 103**  
12:16 PM **Do Tibial Plateau Fractures at Low Risk of Infection also Benefit from Topical Vancomycin Powder?**

**Nicolas H. Zingas, BS;**  
Zachary D. Hannan, BS;  
Kathleen Marie Healey, BA;  
Natasha McKibben, BS;  
Cynthia Burke, BS, BSN;  
Phillip McKegg, MS; Qasim Ghulam, DO;  
Nathan N. O'Hara, PhD; Manjari Joshi;  
Andrew G. Dubina, MD;  
Robert V. O'Toole, MD

12:16 PM - **PAPER 104**  
12:22 PM **The Effect of Topical Antibiotic Powder Administration in the Emergency Department on Deep Surgical Site Infection in Type III Lower Extremity Fractures: A Prospective Cohort Pilot Study with Matched Historical Comparison**

Shea Taylor, MD; **Mitchell John, MD;**  
Whisper Marie Grayson, BS;  
Hassan Riaz Mir, MD, MBA

12:22 PM - **PAPER 105**  
12:28 PM **Prophylactic Tobramycin Injection Reduces Infection Following Internal Fixation of Open Fractures**

Arun Aneja MD, PhD;  
**Matthew William Kavalus, MD;**  
Richard Wes Pectol, BS;  
Chandler Ryan Sneed, BS;  
Robert Jackson Teasdall, MD;  
Eric Scott Moghadamian, MD;  
Raymond Dayne Wright, MD;  
Paul Edward Matuszewski, MD;  
David Zuelzer, MD; Daniel D. Primm, MD;  
David C. Landy, MD, PhD

12:28 PM Discussion



11:35 AM - **CONCURRENT BREAKOUT SESSIONS**

12:35 PM **What Went Wrong in Pelvic Fracture Management and How Can I Fix It?**

Moderator: **Reza Firoozabadi, MD**

Faculty: **Paul Tornetta III, MD**

**Milton Routt, MD**

**Henry Sagi, MD**

**Kelly A. Lefaivre, MD, FRCSC**

**Conor P. Kleweno, MD**

## Learning Objectives

- Determine when a relatively benign pelvic ring injury can significantly displace over time and how to treat it once you have significant deformity.
- Determine how much anterior and/or posterior fixation is required to maintain a reduction of specific pelvic ring injury patterns.
- Determine how to treat sacral non-unions with broken hardware.

## Description

The purpose of this breakout session is to provide healthy discussion around the topic of pelvic ring injuries that went bad. This will be a case-based discussion reviewing failed non-operative and operative management of pelvic ring injuries. The discussion will be centered around the following; what could have been done differently at the index procedure, potential reasons for failure, and how to address pelvic ring deformity post-surgery. Anterior and posterior pelvic ring fixation options will be examined in the setting of a non-union/mal-union surgery. Open versus percutaneous posterior ring injury fixation will be discussed in addition to when is lumbopelvic fixation required. Further consideration will occur in regards to bone grafting and using auto versus allo vs BMP for the sacral nonunion. Techniques for removal of broken transiliac transacral screw will be reviewed and utility of c-clamp for reduction assistance will be debated. Lastly, we will discuss postoperative course and weightbearing restrictions and does weightbearing change with type of implants used anteriorly and posteriorly.



# PRELIMINARY PROGRAM – FRIDAY, OCTOBER 14

## ORTHOPAEDIC TRAUMA ASSOCIATION'S 38<sup>TH</sup> ANNUAL MEETING

### Friday, continued

11:35 AM - **CONCURRENT BREAKOUT SESSIONS**  
12:35 PM **Orthopaedics: Get It Right/  
Straight the First Time: Using  
Deformity Basics in Acute Fractures  
and Post-traumatic Reconstruction  
to Avoid Complications**

Moderator: **Brett D. Crist, MD**  
Faculty: **Mitchell Bernstein, MD**  
**Rahul Vaidya, MD**  
**Mark A. Lee, MD, FACS**  
**Mauricio Kfuri, MD, PhD**

#### Learning Objectives

- Use preoperative digital planning to avoid intra-operative complications in acute fractures and post-traumatic reconstruction.
- Utilize deformity analysis as a means to obtain intraoperative alignment for acute long bone and peri-articular lower extremity fractures--simple and complex.
- Utilize intraoperative techniques for obtaining intraoperative alignment in complex long bone and peri-articular fractures, and post-traumatic lower extremity reconstruction.

#### Description

We have all had postoperative radiographs that frustrate us. Recognizing appropriate preoperative and intraoperative imaging techniques to achieve appropriate alignment in lower extremity long bone and periarticular fractures and post-traumatic reconstruction cases is critical. This breakout will teach the deformity analysis and preoperative planning techniques, and intraoperative techniques to achieve the desired reduction/alignment through brief review lectures and case discussions that will minimize the risk of reoperation in acute fractures and post-traumatic reconstruction due to malalignment. Get it right the first time.

11:35 AM - **Treatment of Supracondylar  
Femur Fractures: Plating, Nailing  
and Nonunions**  
12:35 PM

Moderator: **Frank Liporace, MD**  
Faculty: **Michael Maceroli, MD**  
**Richard Yoon, MD**  
**John Ketz, MD**  
**Marcus Sciadini, MD**

#### Learning Objectives

- Provide operative tips and techniques for treating supracondylar distal femur fractures with both locked plating and intramedullary strategies.
- Focus on the geriatric supracondylar femur fracture and the advent of the nail-plate combination technique to allow early weight bearing and prevent complications.
- When and how – strategies for addressing supracondylar nonunions in both the aseptic and infected settings.

#### Description

This breakout session will offer a case-based, interactive strategy and update on treatment techniques for supracondylar distal femur fractures with and without articular involvement. Treatment of supracondylar nonunions will be also be highlighted for participants. Despite significant advances in orthopaedic trauma, the ideal fixation strategy and implant construct for supracondylar distal femur fractures remains unknown. There remains a relatively high nonunion rate and a significant complication profile, specifically in the geriatric population. This breakout session provides tips/tricks to efficiently and effectively treat these injuries essential to all orthopaedic surgeons.



# PRELIMINARY PROGRAM – FRIDAY, OCTOBER 14

OCTOBER 12-15 2022 • TAMPA, FLORIDA

11:35 AM - **CONCURRENT BREAKOUT SESSIONS**  
12:35 PM **Soft Tissues Reconstruction:**

## **What the Orthopaedic Trauma Surgeon Needs to Know**

Moderator: **Raymond Pency, MD**

Faculty: **Lily Mundy, MD**

**Jason Souza, MD**

**Gorden Potter, MD**

### **Learning Objectives**

- Understand indications for soft tissue reconstruction using the hierarchy of reconstructive needs.
- Current evidence supporting decision-making in optimizing soft tissue reconstruction.
- Strategies an orthopaedic traumatologist can employ for successful local and regional soft tissue reconstruction.

### **Description**

Extremity fractures with concomitant soft-tissue injuries can be extremely challenging to manage. Successful soft-tissue reconstruction is essential to achieve an infection-free bony union and often requires multi-disciplinary collaboration. However, there is variability in readily available soft tissue surgeons, especially those with microvascular training and an understanding of complete limb care. This makes it essential for the orthopaedic trauma surgeon to be well educated in soft tissue reconstruction, so that they may direct management of the limb. In this breakout session we will discuss flap selection and indications for reconstruction using the hierarchy of reconstructive needs, a principles-based approach to planning soft-tissue coverage. We will summarize current literature on the latest advances in soft tissue reconstruction of the lower extremity, including timing of coverage, flap selection, the impact on post-operative protocols and rehabilitation, and contraindications for limb-salvage. Lastly, we will provide strategies for local and regional soft tissue reconstruction that may be utilized by orthopaedic traumatologists in areas with limited access to soft tissue surgeons. Faculty will include an orthopaedic traumatologist, an orthopaedic-trained upper extremity and soft tissue surgeon, and two reconstructive plastic surgeons – one with extensive military experience, and one serving at a high-volume level one trauma center.

12:35 PM - **Lunch in the Exhibit Hall**  
1:35 PM **Poster Tours (12:50 - 1:30 pm)**

### **General Interest**

**Prism Schneider, MD, PhD**

### **Knee & Tibial Plateau**

**Ashley E. Levack, MD**

### **Lunch Industry Sessions**

### **2022 New OTA Member Luncheon**

### **Kathy Cramer Women in Trauma Luncheon**



# PRELIMINARY PROGRAM – FRIDAY, OCTOBER 14

## ORTHOPAEDIC TRAUMA ASSOCIATION'S 38<sup>TH</sup> ANNUAL MEETING

### Friday, continued

1:35 PM -  
2:05 PM

#### SYMPOSIUM III

##### Addressing Intimate Partner Violence in Orthopedic Trauma Settings: The EDUCATE Program

Moderator: *Sheila Sprague, MD*

Faculty: *Gregory J. Della Rocca, MD, PhD*  
*Brad Petrisor, MD*  
*Prism Schneider, MD, PhD*  
*Emil Schemitsch, MD*  
*Robert Zura, MD*  
*Natalie Fleming, BA*

#### Learning Objectives

- Provide an overview of current knowledge about intimate partner violence and its prevalence in society and how it relates to orthopedic trauma.
- Demonstrate how to ask patients about their safety with respect to intimate partner violence, beginning with creating a safe environment.
- Demonstrate how to respond to and how to best assist a patient who discloses intimate partner violence.

#### Description

During this breakout session we will discuss intimate partner violence and its relevance to orthopaedic trauma. Intimate partner violence that results in orthopedic trauma can indicate increasing violence, placing trauma surgeons in a unique position to identify and respond to intimate partner violence at a crucial moment. Over a decade of research has provided a strong rationale for optimizing orthopaedic injury clinics to assist victims of IPV. This breakout session will review the curriculum provided in the EDUCATE program, which is an evidence-based, multimodal informational program that combines an education and skills development curriculum with intimate partner resources tailored for orthopaedic injury patients ([www.IPVEDUCATE.com](http://www.IPVEDUCATE.com)).

#### 2:05 PM - PAPER SESSION V

##### 3:15 PM Pelvis

Moderators: *Kelly A. Lefaivre, MD, FRCSC*  
*Peter D. Bates, MD*

#### 2:05 PM - PAPER 106

##### 2:11 PM Does Fracture Pattern Really Predict Clinically Important Displacement of LC1 Sacral Fractures?

**Michael Livesey, MD;**

*Harold I. Salmons, MD; Bennet Butler, MD;*  
*Gerard Slobogean, MD, MPH;*  
*Robert V. O'Toole, MD*

#### 2:11 PM - PAPER 107

##### 2:17 PM Is Iliosacral Screw Removal Useless? A Causal Analysis of Prospective Observational Data

**Natasha McKibben, BS;**

*Nicolas H. Zingas, BS;*  
*Kathleen Marie Healey, BA;*  
*Caroline Ann Benzel, BS;*  
*David John Stockton, MD, MSc;*  
*Haley Demyanovich, MS;*  
*Gerard Slobogean, MD, MPH;*  
*Robert V. O'Toole, MD;*  
*Marcus F. Sciadini, MD;*  
*Nathan N. O'Hara, PhD*

#### 2:17 PM - PAPER 108

##### 2:23 PM Does Pelvic Arterial Embolization Increase Surgical Site Infection in Trauma Patients Undergoing Pelvic Ring Fixation?

**Aresh Sepehri, MD;**

*Kelly A. Lefaivre, MD, FRCSC;*  
*Boris Sobolev, PhD; Pierre Guy, MD*

#### 2:23 PM Discussion

#### 2:28 PM - PAPER 109

##### 2:34 PM Risk of Revision and Complications: An Analysis of 956 Total Hip Arthroplasty Procedures for Acute Treatment of Acetabular Fractures

**Danielle Peterson, MD;**

*Mackenzie Kelly, MD; Darin M. Friess, MD;*  
*Jung U. Yoo, MD;*  
*Zachary Mark Working, MD;*  
*Ryland Phillip Kagan, MD*



# PRELIMINARY PROGRAM – FRIDAY, OCTOBER 14

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2:34 PM -  
2:40 PM

**PAPER 110**  
**Higher Rates of Readmission Following Acute Total Hip Arthroplasty Versus Open Reduction Internal Fixation for Elderly Acetabular Fractures: A National Study from 2010 to 2019**

**Alexander Upfill-Brown, MD, MSc;**  
Brendan Shi, MD; Carlos Maturana, MS;  
Matthew Carter, BS;  
Dane Jensen Brodke, MD;  
Benjamin Kelley, MD; Erik Mayer, MD;  
Akash Shah, MD; Sai Devana, MD;  
Christopher Lee, MD

2:40 PM -  
2:46 PM

**PAPER 111**  
**A New Computed Tomography-based Measure of Posterior Wall Acetabulum Fractures Decreases the Need for Examination Under Anesthesia**

Todd Jaebon, DO;  
**Haley Demyanovich, MS;**  
Joseph Kufera, MA

2:46 PM

Discussion

2:51 PM -  
2:57 PM

**PAPER 112**  
**The Impact of Heterotopic Ossification Prophylaxis After Surgical Fixation of Acetabular Fractures: National Treatment Patterns and Related Outcomes**

**Adam Boissonneault, MD;**  
Nathan N. O'Hara, PhD;  
David Anthony Pogorzelski, MSc;  
Lucas Scott Marchand, MD;  
Thomas F. Higgins MD; Ida Leah Gitajn, MD;  
Mark Gage, MD; Roman M. Natoli, MD, PhD;  
Ishani Sharma, BA, BS; Sarah Pierrie, MD;  
Robert V. O'Toole, MD;  
Sheila Sprague, PhD;  
Gerard Slobogean, MD, MPH

2:57 PM -  
3:03 PM

**PAPER 113**  
**Early Versus Delayed Prophylaxis for DVT Prevention in Pelviacetabular Trauma- A Prospective Study**  
**Sandeep Patel, MD, MS**

3:03 PM -  
3:09 PM

**PAPER 114**  
**Unstable Pelvic Fractures in Women of Childbearing Age: Birth Canal Distortion and Implications on Delivery of Subsequent Pregnancy**

**Amit Davidson, MD;**  
Nikolaos K. Kanakaris, MD, PhD;  
Georgios Kotsarinis, MD;  
Peter Giannoudis, MD, MBBS

3:09 PM

Discussion

3:15 PM  
3:45 PM

**Break in the Exhibit Hall**

3:45 PM -  
4:48 PM

**PAPER SESSION VI**  
**Foot & Ankle**  
**PT Recon**

Moderators: *Animesh Agarwal, MD*  
*Stephen M. Quinnan, MD*

3:45 PM -  
3:51 PM

**PAPER 115**  
**The 2-Window Posterolateral Approach for Ankle Fracture Repair is Associated with a Greater Incidence of Early Wound Complications than the Single-Window Approach**

**Christopher Gabriel Herbosa, BS;**  
Kenneth A. Egol, MD; Philipp Leucht, MD;  
Nirmal C. Tejwani, MD, FRCS

3:51 PM -  
3:57 PM

**PAPER 116**  
**Functional Outcomes of Primary Arthrodesis Versus Open Reduction and Internal Fixation in the Treatment of Lisfranc Injuries**

Zsombor Tamas Gal; Richard Wes Pectol, BS;  
Tyler D. Kalbac, MD;  
Ashley Nicole Dawson, BS;  
**Chandler Ryan Sneed, BS;**  
Ashley Yvonne Albano, BA;  
Matthew William Kavolus, MD;  
Arun Aneja, MD, PhD; Arjun Srinath, MD

# PRELIMINARY PROGRAM – FRIDAY, OCTOBER 14

## ORTHOPAEDIC TRAUMA ASSOCIATION'S 38<sup>TH</sup> ANNUAL MEETING

### Friday, continued

- 3:57 PM - 4:03 PM **PAPER 117**  
**Do Transtibial Amputations Outperform Amputations of the Hind- and Midfoot Following Severe Limb Trauma?: A Secondary Analysis of the OUTLET Study**  
**Brianna Fram, MD;** Michael J. Bosse, MD; Susan Marie Odum, PhD; Lisa Reider, PhD; Joshua Layne Gary, MD; Wade T. Gordon, MD; David C. Teague, MD; Dana Alkhoury, MPH; Ellen MacKenzie, PhD; Rachel Seymour, PhD; Madhav A. Karunakar, MD; METRC
- 4:03 PM Discussion
- 4:08 PM - 4:14 PM **PAPER 118**  
**Baseline Clinical Factors Are More Predictive of Ventilator-Free Days Than Operative or Nonoperative Treatment of Acute Unstable Chest Wall Injuries: Results from a Previous Randomized Controlled Trial**  
**Christine Schemitsch, PhD;** Niloofar Dehghan, MD, MSc; Michael D. McKee, MD; Richard Jenkinson, MD; Jhase Sniderman, MD; Hans J. Kreder, MD, MPH; Jennifer Hidy, BS, CCRP; Emil H. Schemitsch, MD; Aaron Nauth, MD; Canadian Orthopaedic Trauma Society (COTS); Unstable Chest Wall Study Investigators
- 4:14 PM - 4:20 PM **PAPER 119**  
**Bone Marrow Aspirate with Allograft Cancellous Chips Versus Autologous ICBG or RIA in the Treatment of Long Bone Nonunions**  
**David Albert Patch, MD, MEd;** Alexander Mihas, BS; Logan A. Reed, BS; Kristin Leigh Chancellor, MS; Wesley Stroud, MD; Clay A. Spitler, MD; Jonathan H. Quade, MD

- 4:20 PM - 4:26 PM **PAPER 120**  
**Re-Operation and Complication Rates in Lower Limb Amputees Due to Trauma**  
**Charlotte Brookes, MBBS, MSc;** Alex Trompeter; Vijay Kolli, MBBS, MRCS; Sara Dardak, MBBS; Edward Allen, MSc; Billy Cho
- 4:26 PM Discussion
- 4:31 PM - 4:37 PM **PAPER 121**  
**How Do Treatment Methods Affect Outcome of Surgery for Fracture-related Infection?**  
**Martin McNally, MD, MBChB;** Ruth Alexandra Corrigan, PhD; Jonathan Sliepen, BS; Maria Dudareva, BA, MBChB; Rob J. Rentenaar, MD, PhD; Frank Ijpmma, MD, PhD; Falco Hietbrink, MD, PhD; Bridget Atkins, MBBS, MSc; Marjan Wouthuyzen-Bakker, MD, PhD; Geertje Govaert, MD, PhD
- 4:37 PM - 4:43 PM **PAPER 122**  
**Patient-reported Outcomes in Lower Limb Post-traumatic Osteomyelitis**  
**Paul Lambton Rodham, MBBS;** Michalis Panteli, MD; Paul Harwood, FRCS (Ortho), MSc; Nikolaos K. Kanakaris, MD, PhD; Peter Giannoudis, MD, BS, MBBS
- 4:43 PM Discussion



# PRELIMINARY PROGRAM – FRIDAY, OCTOBER 14

OCTOBER 12-15 2022 • TAMPA, FLORIDA

4:50 PM - **CONCURRENT BREAKOUT SESSIONS**  
5:50 PM **Combined Pelvic Ring and Acetabulum Fractures: What I've Learned and What I Wish I Would Have Known Back Then**

Moderator: **Marcus Sciadini, MD**  
Faculty: **Michael Maceroli, MD**  
**Jason Nascone, MD**  
**Conor P. Kleweno, MD**  
**Brent Wise, MD**

### Learning Objectives

- Provide a comprehensive review of combined pelvic ring and acetabulum fractures from initial temporization to order of operation and definitive fixation.
- Discuss the different challenges faced when treating acetabular fractures complicated by both subtle and complex posterior pelvic ring injuries.
- Highlight cases that helped shape the “learning curve” and how this has changed our practice.

### Description

The goal of this breakout session is to provide treatment strategies for combined pelvic ring and acetabulum fractures. Presentations will be case-based and will comprehensively review management from initial temporization to strategies for definitive reconstruction. Strategies will focus on the latest decision-making and fixation options to maximize outcomes. Combined pelvic ring and acetabulum fractures are extremely difficult and rare injuries that present unique challenges. Due to their relative infrequency, “ring-tabs” have not been a focus of discussion at national meetings or in peer-reviewed literature. That, combined with a steep learning curve, makes treating these injuries all the more difficult. The aim of this breakout session is to provide comprehensive strategies for initial management, surgical planning and definitive fixation through case-based lectures. Furthermore, the cases shown will highlight the key steps in those that went well and, more importantly, those that left room for improvement.

4:50 PM - **My Elbow Didn't Read the Textbook: When “Simple” Elbow Fractures Go Awry**

Moderator: **Nicole Zelenski, MD**  
Faculty: **Jorge Orbay, MD**  
**Luke Lopas, MD**  
**Jonah Hebert-Davies, MD**  
**Jennifer Tangtiphaibontana, MD**

### Learning Objectives

- Understand the bony and ligamentous stabilizers of the elbow and when they must be addressed to confer stability.
- Recognize when “classic” elbow fractures may lead to elbow instability and what to do intraoperatively when there is unexpected subluxation.
- When and how – strategies for addressing chronically unstable elbow fractures.

### Description

Elbow fracture dislocations are challenging injuries affecting both bone and soft tissue about the elbow. Understanding both the bony anatomy and the soft tissue stabilizers of the elbow joint is imperative for successful treatment. Precise evaluation of the fracture pattern can assist in identification of anatomical injuries that must be addressed and aid in appropriate treatment. A systematic, step-wise approach is often employed to restore stability in these injuries. However, in some cases, the standard algorithm fails to achieve a stable elbow resulting in an unexpected intraoperative challenge. The goal of this breakout session is to highlight how the bony and ligamentous structures confer elbow support as well as how this anatomic interplay drives specific strategies for addressing unexpected intraoperative elbow instability. Specific case examples of algorithm defying elbow fracture dislocations can provide treating orthopaedic surgeons essential information to avoid potentially catastrophic outcomes.



# PRELIMINARY PROGRAM – FRIDAY, OCTOBER 14

## ORTHOPAEDIC TRAUMA ASSOCIATION'S 38<sup>TH</sup> ANNUAL MEETING

### Friday, continued

#### 4:50 PM - CONCURRENT BREAKOUT SESSIONS

##### 5:50 PM Osteoporotic Fractures: Nonop, Fix, or Replace?

Moderator: **Arun Aneja, MD**  
Faculty: **Eben Carroll, MD**  
**Andrew M. Choo, MD**  
**Matt Graves, MD**  
**George Russell, MD**  
**Raymond Wright, MD**  
**Mai Nguyen, MD**

#### Learning Objectives

- Learn how to treat challenging upper extremity fractures in the elderly involving the proximal humerus, elbow, and wrist.
- Learn how to treat challenging lower extremity fractures in the elderly involving the hip, distal femur, and ankle.
- Discuss step to prevent the next fall and the next osteoporotic fracture.

#### Description

Orthopaedic surgeons are already witnessing an increase in geriatric fracture care. With an elderly population living longer than before and sustaining a greater frequency of fractures with compromised bone quality, optimizing outcomes for this substantial and active population is essential. Herein lies the objective of this breakout session, to provide anatomic case based review of advances in geriatric fracture care throughout the body. This breakout session will focus on whether one should seek ORIF or acute arthroplasty for geriatric fractures after shared decision making. The presenters will provide high yield evidence based concepts, with technical tips and tricks to achieving successful outcomes in the treatment of fragility fractures around the upper and lower extremity.

#### 4:50 PM - Contaminated Open Fractures: Getting It Right and What to Do if It Goes Wrong

Moderator: **Benjamin Ollivere, MD, FRCS**  
Faculty: **Paul Tornetta III, MD**  
**William Ricci, MD**  
**J. Tracy Watson, MD**  
**Benjamin Ollivere, MD, FRCS**

#### Learning Objectives

- Management strategies for open-articular fractures.
- Dealing with post-operative infection.
- Reconstruction options in segmental defects.

#### Description

The contaminated open fracture is the most devastating of orthopaedic injuries. Management issues to be addressed include all aspects of management of contaminated open fractures and management of initial soft tissue and contaminated bone management, secondary infection and strategies for management of joint and diaphyseal bone loss including transport and lengthening nails.



# PRELIMINARY PROGRAM – FRIDAY, OCTOBER 14

OCTOBER 12-15 2022 • TAMPA, FLORIDA

4:50 PM - **CONCURRENT BREAKOUT SESSIONS**  
5:50 PM **Optimizing Outcomes in Distal Femur Fractures**

Moderator: **Robert Dunbar, MD**  
Faculty: **Richard Yoon, MD**  
**Lisa Taitzman, MD, MPH**  
**Edward Rodriguez, MD**

### Learning Objectives

- The registrant will learn through case based examples which fracture and patient characteristics predispose to fracture fixation failure and how to mitigate these risks.
- The registrant will learn through case based examples when a single implant may be inadequate and how and when to use adjuncts or two implants (nail/plate, double plating and lateral locked plate plus endosteal plate). When to consider distal femoral replacement will also be covered.
- The registrant will learn, through case based examples and the latest evidence, how to best treat periprosthetic distal femur fractures.

### Description

A case and evidence based review of the spectrum of distal femur fractures. There will be a focus on decision making strategies for the treatment of these fractures, including implant(s) choice and modulating the construct flexibility to optimize fracture healing. How to deal with complications and when to consider distal femoral replacement will also be covered.

4:50 PM - **Ankle Hindfoot Reconstruction**  
5:50 PM **Options After Post-Traumatic Arthritis**

Moderator: **Kyle Schweser, MD**  
Faculty: **Brett D. Crist, MD**  
**Lori Reed, MD**

### Learning Objectives

- Review indications for osteotomies, ankle and talus replacements, and arthrodesis around the ankle and hindfoot following trauma.
- Provide technical tips and tricks for osteotomies, arthroplasty, and arthrodesis around the ankle and hindfoot.
- Discuss post-operative protocols for osteotomies, arthroplasty, and arthrodesis around the ankle and hindfoot.

### Description

Ankle and hindfoot trauma can be challenging to manage, and the rates of post-traumatic arthritis following pilon, talus, and calcaneus fractures is significant. Multiple options exist for managing post-traumatic arthritis, as well as, other complications from these injuries. However, while hip and knee arthroplasty/reconstruction are common secondary practices for traumatologists, ankle and hindfoot reconstructions appears to be underutilized. The aim of this breakout session is to educate and promote the options for reconstruction around the ankle and hindfoot, including osteotomies, arthroplasty, and arthrodesis, after the development of post-traumatic arthritis.



5:50 PM - **Suds N'Science Poster Tours**  
6:30 PM **Foot, Ankle, Pilon**

**Roman M. Natoli, MD, PhD**

**International**

**Vincenzo Giordano, MD, PhD**

### Video Tour

5:50 PM - **Military Reception**  
6:50 PM

# PRELIMINARY PROGRAM – SATURDAY, OCTOBER 15

## ORTHOPAEDIC TRAUMA ASSOCIATION'S 38<sup>TH</sup> ANNUAL MEETING

Saturday, October 15, 2022

8:00 AM -  
9:15 AM

### SYMPOSIUM IV New Tools and Approaches in the Management of Compartment Syndrome

Moderator: **Ross Leighton, MD**  
Faculty: **Charles Moon, MD**  
**Prism Schneider, MD, PhD**  
**Theodore Miclau III, MD**  
**Michael McKee, MD**

#### Learning Objectives

- Review the current management of Acute Compartment Syndrome as outlined in clinical practice guidelines and across multiple sites in North America. Emphasis will be placed on current limitations associated with relying on clinical signs alone.
- Discuss continuous compartment pressure monitoring. The panelists will talk about the specific cases for which they have used continuous pressure monitoring and the lessons learned from that use in the management of compartment syndrome, specifically in regards to currently accepted thresholds of pressures and timelines in the management of ACS.
- Discuss what the standard of care is now and what it might be in the future given new information over the last 10 years. The symposium will summarize the findings from the various sites where continuous pressure monitoring was used in order to suggest improvements on diagnostic techniques, highlighting the importance of pressure trends rather than absolute values as an indicator of compartment syndrome and implications for surgical treatment going forward.

#### Description

This session will focus on the most recent developments concerning Acute Compartment Syndrome. Recent recommendations by the Appropriate Use Committee of the AAOS will be discussed. New technology that addresses the AAOS mandate for continuous pressure monitoring will be introduced as well as early North American trial findings. The symposium will introduce

a new way of providing continuous compartmental pressure that may aid in the diagnosis of acute compartment syndrome.

9:15 AM -  
9:30 AM

### Traveling Fellowship Presentation

9:30 AM -  
9:45 AM

### Break

9:45 AM -  
11:02 AM

### PAPER SESSION VII Upper Extremity Wrist

Moderators: **Andrew M. Choo, MD**  
**Stephen Warner, MD, PhD**

9:45 AM -  
9:51 AM

### PAPER 123 Functional and Clinical Outcome After Operative Versus Nonoperative Treatment of a Humeral Shaft Fracture (HUMMER): Results of a Multicenter Prospective Cohort Study

**Dennis Den hartog, MD;**  
*Saskia Heleen Van Bergen; Kiran Mahabier;  
Michael Verhofstad, MD, PhD;  
Esther M.M. Van Lieshout, PhD;*  
HUMMER Investigators

9:51 AM -  
9:57 AM

### PAPER 124 Improved Shoulder and Elbow Range of Motion and Earlier Return to Work Occurs Following Open Reduction and Internal Fixation of Humeral Diaphyseal Fractures

*Canadian Orthopaedic Trauma Society;*  
**Prism Schneider, MD, PhD;**  
*Mary Amedeo; Stephanie Yee, BS;  
Kimberly Rondeau, BS, MSc;  
Rudolf Reindl, MD, FRCSC;  
Gregory Berry, MD*



# PRELIMINARY PROGRAM – SATURDAY, OCTOBER 15

OCTOBER 12-15 2022 • TAMPA, FLORIDA

- 9:57 AM - 10:03 AM **PAPER 125**  
**Functional and Clinical Outcome After Plate Osteosynthesis Versus Intramedullary Nailing of a Humeral Shaft Fracture (HUMMER): Results of a Multicenter Prospective Cohort Study**  
**Dennis Den hartog, MD;** Kiran Mahabier; Saskia Heleen Van Bergen; Michael Verhofstad, MD, PhD; Esther M.M. Van Lieshout, PhD; HUMMER Investigators
- 10:03 AM Discussion
- 10:08 AM - 10:14 AM **PAPER 126**  
**Outcomes of Humerus Nonunion Surgery in Patients with Initial Operative Fracture Fixation**  
**Noah James Harrison, MSc;** Alexander Hysong, MD; Samuel Posey, MD; Ziqing Yu, MS; Andrew Chen MD, MPH; Patrick Pallitto, MD; Michael J. Gardner, MD; Roman M. Natoli, MD, PhD; John David Adams, MD; Robert D. Zura, MD; Lauren Maccormick Tatman, MD; Rachel Seymour, PhD; Joseph R. Hsu, MD; William T. Obremskey, MD, MPH; EMIT
- 10:14 AM - 10:20 AM **PAPER 127**  
**Humeral Diaphyseal Non-union Occurs More Commonly with Elevated Body Mass Index and Simple Fracture Types**  
Canadian Orthopaedic Trauma Society;  
**Prism Schneider, MD, PhD;** Mary Amedeo; Stephanie Yee, BS; Kimberly Rondeau, BS, MSc; Rudolf Reindl, MD, FRCSC; Gregory Berry, MD
- 10:20 AM - 10:26 AM **PAPER 128**  
**The Rate of Radial Nerve Palsy of Operatively Treated Humeral Shaft Fractures Using the Anterolateral and Posterior Triceps-Sparing Approaches**  
**Aleksey Dvorzhinskiy, MD;** Jonah Hebert-Davies, MD
- 10:26 AM Discussion
- 10:31 AM - 10:37 AM **PAPER 129**  
**Routine Fixation of Humeral Shaft Fractures is Cost-Effective: Cost-Utility Analysis of 215 Patients at Five Years Following Injury**  
**William M. Oliver, MBBS, MRCSED;** Samuel Molyneux, FRCS (Ortho), MSc; Timothy O. White, MD, FRCS; Nicholas D. Clement, FRCS (Ortho); Andrew David Duckworth, PhD, MSc
- 10:37 AM - 10:43 AM **PAPER 130**  
**A Cost-effectiveness Analysis of Reverse Total Shoulder Arthroplasty Compared to Locking Plates in the Management of Displaced Proximal Humerus Fractures in the Elderly in a Clinical RCT, The DelPhi Study**  
Jonas Bjørdal, MD;  
**Alexander Nilsskog Fraser, MD;** Tone Wagle; Linn Kleven, MSc; Odd Arve Lien; Lars Eilertsen, MD; Konrad Mader, MD, PhD; Hilde Apold, MD, PhD; Leif Boerge Larsen, MD; Jan Erik Madsen, MD, PhD; Tore Fjalestad, MD
- 10:43 AM - 10:49 AM **PAPER 131**  
**Dislocated Distal Radial Fractures in Adult Patients: Four Weeks Versus Six Weeks of Cast Immobilisation Following Reduction, A Multicentre Randomized Controlled Trial**  
**Eva Van Delft, MD;** Suus G.J. Van Bruggen, MD; Frank Willem Bloemers, MD, PhD; Nico Sosef, MD; Niels Schep; Jeffrey Vermeulen, MD, PhD
- 10:49 AM - 10:55 AM **PAPER 132**  
**Can We Treat Patients with a Clinically Suspected Scaphoid Fracture with Supportive Bandage Instead of Cast? "A Multicenter Randomized Controlled Trial" (SUSPECT Study)**  
**Abigael Cohen, MD;** Max Reijman, PhD; Gerald Kraan, MD; Jan Verhaar, MD, PhD; Joost Colaris; SUSPECT Study Group
- 10:55 AM Discussion

# PRELIMINARY PROGRAM – SATURDAY, OCTOBER 15

## ORTHOPAEDIC TRAUMA ASSOCIATION'S 38<sup>TH</sup> ANNUAL MEETING

### Saturday, continued

9:45 AM - 10:45 AM **CONCURRENT BREAKOUT SESSIONS**  
**Controversies in Talus, Ankle and Plafond: Strategies for Tricky Injuries**

Moderator: **Benjamin Ollivere, MD, FRCS**  
Faculty: **Heather A. Vallier, MD**  
**Paul Tornetta III, MD**  
**Timothy White, MD, FRCS**  
**Benjamin Ollivere, MD, FRCS**

#### Learning Objectives

- Management strategies for complex talus ankle and plafond fractures.
- Understand different approaches to plafond fractures and the current controversies.
- Understand how to optimise outcomes in complications of ankle complex fractures.

#### Description

The high energy fractures in hind foot involving impaction or fracture of the tibial plafond, talus and ankle joint are complex injuries and incorrect management results in long term disability. This breakout will aid in initial decision making surrounding management of complex plafond and talus injuries. Issues addressed include surgical timing and controversies in the talus, tips and tricks for fixation of the plafond, what to do with the posterior malleolus and how and when to use a frame.

9:45 AM - 10:45 AM **From Fixation to Revision in Periprosthetic and Interprosthetic Hip & Knee Fractures: When, How and Getting it Right**

Moderator: **Richard Yoon, MD**  
Faculty: **Frank Liporace, MD**  
**Derek Donegan, MD, MBA**  
**Mark Gage, MD**  
**Michael Maceroli, MD**

#### Learning Objectives

- Take away strategies for identifying stable versus loose implants in the periprosthetic (PPFx) THA/TKA Fracture setting. Additionally ---what do I do with an interprosthetic fracture?
- Fixation strategies, tips and tricks and avoiding pitfalls for PPFx about the acetabulum, proximal and distal femur -- where does nail plate combo and dual plating come into play?
- When and how --- revision strategies for a loose cup, loose femoral stem/component with and without good bone stock.

#### Description

This breakout session will offer a case-based, interactive strategy and update on the fixation and revision of periprosthetic THA/TKA fractures. Also, treatment of interprosthetic fractures will also be highlighted for participants along with decision making between neutral axis fixation -- nail plate combo and dual plating the distal femur.



# PRELIMINARY PROGRAM – SATURDAY, OCTOBER 15

OCTOBER 12-15 2022 • TAMPA, FLORIDA

## 11:05 AM - PAPER SESSION VIII

### 12:15 PM Tibia

Moderators: *Mark A. Lee, MD, FACS*  
*John A. Scolaro, MD, MA*

11:05 AM - PAPER 133  
11:11 AM **A Prospective Randomized Trial Comparing Transtibial Amputation With and Without a Tibia-fibula Synostosis (Ertl) Procedure (TAOS Study)**  
*METRC; Michael J. Bosse, MD*

11:11 AM - PAPER 134  
11:17 AM **What is the Probability that Intrawound Vancomycin Powder Reduces Infections in Patients with High-risk Tibial Plateau or Pilon Fractures? A Bayesian Analysis of the VANCO Trial**  
**Nathan N. O'Hara, PhD;**  
*Renan C. Castillo, MD;*  
*Anthony R. Carlini, MS; Manjari Joshi;*  
*Clinton Kenneth Murray, MD;*  
*Lauren Allen, MA; Yanjie Huang;*  
*Joshua Layne Gary, MD;*  
*Michael J. Bosse, MD;*  
*William T. Obremskey, MD, MPH;*  
*Todd Owen McKinley, MD;*  
*Robert V. O'Toole, MD; METRC*

11:17 AM - PAPER 135  
11:23 AM **Severe Obesity Worsens 30-day Surgical Outcomes and Projected Costs in Operative Femoral Shaft and Tibial Shaft Fractures: Considerations for Value Based Care in Orthopedic Trauma**  
**Christian Alexander Pean, MD;**  
*Steven Rivero, MD; Nishant Suneja, MD;*  
*Michael John Weaver, MD*

11:23 AM Discussion

11:29 AM - PAPER 136  
11:35 AM **A Combined Orthoplastic Approach Reduces Infection in Lower Limb Open Fractures: A 5-year UK Major Trauma Centre Experience**  
**Thomas Cloake, MBCHB;**  
*Claudia Kate Au-Yeung, MSc;*  
*William Flett, BS;*  
*Gabriella Killya Ortega, MSc;*  
*Joseph Hardwicke, PhD, MBCHB;*  
*Jayne Ward, FRCS (Ortho), MBBS*

11:35 AM - PAPER 137  
11:41 AM **Delayed Nailing May be Protective Against Infection in Gustilo 3B Tibial Fractures**  
**Clary J. Foote, MD;**  
*Khalid Al-Hourani, MD;*  
*Andrew David Duckworth, PhD, MSc, MBCHB, FRCS;*  
*Timothy O. White, MD, FRCS;*  
*Michael Kelly, MBBS, MD;*  
*Paul Tornetta III, MD*

11:41 AM - PAPER 138  
11:47 AM **Orthoplastic Reconstruction of Type IIIB Open Tibial Diaphyseal Fractures: Retention of Debrided Devitalised Cortical Bone is Not Associated with Inferior Functional Outcomes**  
**Khalid Al-Hourani, MD;** *Oliver Pearce;*  
*Michael Thomas Stoddart, MBBS;*  
*Andrew Riddick, MBBS, FRCS (Ortho);*  
*Umraz Khan;*  
*Michael Kelly, MBBS, MD*

11:47 AM Discussion

11:53 AM - PAPER 139  
11:59 AM **The Use of Computed Tomography Angiography to Predict Complications in Tibia Fractures: A Multicenter Retrospective Analysis**  
*Alexander Mihos, BS;*  
*John C. Prather, MD;*  
*Bradley Kyle Alexander, MD;*  
*Isaac B. Boateng, MS;*  
*Thomas Evan Moran, MD;*  
*Andrew Allen, MD; Healy Shea Vise, BS;*  
*Maria S. Kammire, BS;*  
*Andres Fidel Moreno, MD;*  
*Gerald McGwin, MS, PhD;*  
*Andrew Chen, MD, MPH;*  
*William T. Obremskey, MD, MPH;*  
*David B. Weiss, MD; Patrick F. Bergin, MD;*  
**Clay A. Spitler, MD;**  
*Southeastern Fracture Consortium*



# PRELIMINARY PROGRAM – SATURDAY, OCTOBER 15

## ORTHOPAEDIC TRAUMA ASSOCIATION'S 38<sup>TH</sup> ANNUAL MEETING

### Saturday, continued

- 11:59 AM - 12:05 PM **PAPER 140**  
**The LIMB-Q: A Novel PRO Instrument Specific to Lower Extremity Trauma Patients**  
**Lily Mundy, MD**; Anne Klaasen; Andrea Pusic;  
Tim De Jong, DPHIL (OXON), MD; Nicole Lindenblatt, MD; Nina Vestergaard Simonsen, MD; Lotte Poulsen, MD, PhD; Ariana Paniagua, BA; Natasha McKibben, BS; Nicolas H. Zingas, BS; Kathleen Marie Healey, BA; Raymond A. Pensy, MD; Scott Hollenbeck, MD; Mark Gage, MD
- 12:05 PM Discussion
- 12:10 PM - 12:15 PM **Closing Remarks**



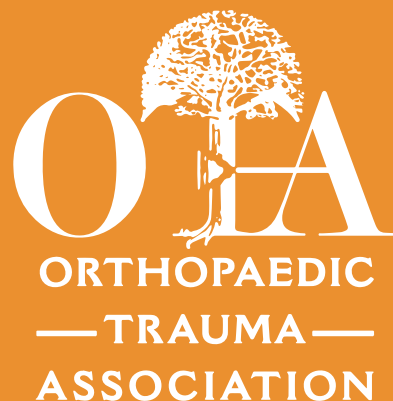
### Welcome to the OTA Discussion Forum

a private community where OTA members can collaborate on individual cases, build consensus, improve and advance medical skills and knowledge, educate colleagues, train new practitioners, receive or offer career mentorship, and discover new medical data and technologies.

education  
research  
mentorship  
outreach happens here  
case discussion  
community  
engagement

It's a members only benefit.

<https://community.ota.org/home>



### Mission Statement

The mission of the Orthopaedic Trauma Association (OTA) is to promote excellence in care for the injured patient, through provision of scientific forums and support of musculoskeletal research and education of Orthopaedic Surgeons and the public.

### Vision Statement

The OTA will be the authoritative source for the optimum treatment and prevention of musculoskeletal injury, will effectively communicate this information to the orthopaedic and medical community and will seek to influence health care policy that impacts care and prevention of injury.

### Value Statement

The OTA is adaptable, forward thinking and fiscally responsible, and is composed of a diverse worldwide membership who provide care and improve the knowledge base for the treatment of injured patients. OTA members provide worldwide leadership through education, research and patient advocacy.

### Diversity Statement

The OTA promotes and values diversity and inclusion at all levels with the goal of creating an environment where every member has the opportunity to excel in leadership, education, and culturally-competent orthopaedic trauma care.

# GENERAL INFORMATION

OCTOBER 12-15 2022 • TAMPA, FLORIDA

## ACCME® Accredited



The Orthopaedic Trauma Association (OTA) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The Orthopaedic Trauma Association designates this live activity for a maximum of **19.5 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## CME Mission Statement

The mission of the Orthopaedic Trauma Association is to promote excellence in care for the injured patient, through provision of scientific forums and support of musculoskeletal research and education of orthopaedic surgeons and the public. We will plan, manage and evaluate evidence-based educational activities that enhance participant competence, performance and patient outcomes employing needs assessment data and identified professional education gaps. CME activities will consist of carefully planned programs based on adult learning principles, including live CME activities and enduring materials.

## Disclaimer

The material presented at the 38th Annual Meeting has been made available by the *Orthopaedic Trauma Association* for educational purposes only. The material is not intended to represent the only, nor necessarily best, method or procedure appropriate for the medical situations discussed, but rather is intended to present an approach, view, statement or opinion of the faculty which may be helpful to others who face similar situations.

OTA disclaims any and all liability for injury or other damages resulting to any individual attending this event and for all claims which may arise out of the use of the techniques demonstrated therein by such individuals, whether these claims shall be asserted by physician or any other person.

## Philosophy

In order to promote transparency and confidence in the educational programs and in the decisions of the Orthopaedic Trauma Association (hereinafter referred to as "OTA"), the OTA Board of Directors has adopted this mandatory disclosure policy.

The actions and expressions of OTA Members and Others providing education of the highest quality or in shaping OTA policy must be as free of outside influence as possible, and any relevant potentially conflicting interests or commercial relationships must be disclosed. Because the OTA depends upon voluntary service by Members to conduct its educational programs and achieve its organizational goals, this disclosure policy has been designed to be realistic and workable.

The OTA does not view the existence of these interests or relationships as necessarily implying bias or decreasing the value of your participation in the OTA.

## FDA Statement

All drugs and medical devices used in the United States are administered in accordance with the Food and Drug Administration (FDA) Regulations. These regulations vary depending on the risks associated with the drug or medical device, the similarity of the drug or medical device to products already on the market, and the quality and scope of clinical data available.

Some drugs or medical devices described or demonstrated in OTA educational materials or programs have not been cleared by the FDA or have been cleared by the FDA for specific uses only. The FDA has stated that it is the responsibility of the physician to determine the FDA clearance status of each drug or device s/he wishes to use in clinical practice.

# REGISTRATION INFORMATION

## ORTHOPAEDIC TRAUMA ASSOCIATION'S 38<sup>TH</sup> ANNUAL MEETING

# REGISTRATION FEES AND CANCELLATION POLICY

## REGISTRATION

ONLINE [www.OTA.org](http://www.OTA.org)

### ON DEMAND GOLD REGISTRATION

(Annual Meeting Registration  
AND Annual Meeting On Demand)

	On/Before 9/11/22	After 9/11/22
OTA Member .....	\$ 450	\$ 550
Non-member .....	\$ 1050	\$ 1150
Non-member Medical Resident, Fellow .....	\$ 550	\$ 650
Non-member Health Care Personnel (incl. NP, PA, AH, PhD, etc.) .....	\$ 600	\$ 700

### ANNUAL MEETING (only) REGISTRATION

	On/Before 9/11/22	After 9/11/22
OTA Member	\$ 300	\$ 400
Non-member (incl. MD, DO, MBBS, etc.)	\$ 850	\$ 950
Non-member Medical Resident, Fellow	\$ 450	\$ 550
Non-member Health Care Personnel (incl. NP, PA, AH, PhD, etc.)	\$ 500	\$ 600



**Early Bird Deadline:  
September 11, 2022**

### NEW MEETING SCHEDULE!

THURSDAY, 8:00 AM - ANNUAL MEETING OPENS  
SATURDAY, 12:15 PM - ANNUAL MEETING ADJOURNS

REGISTER ONLINE  
BEFORE SEPTEMBER 11, 2022

ONSITE REGISTRATION APPLIES  
AFTER SEPTEMBER 11

## CANCELLATION POLICY

**Cancellation Policy** – OTA incurs significant expenses prior to the event. In order to minimize losses, it is necessary to implement the following policy. Cancellations must be received via e-mail: [ota@ota.org](mailto:ota@ota.org)

**Deadline: October 7, 2022** Full refund less \$100 administrative fee. No refunds will be provided after this date.

Refunds will not be granted for no-shows for pre-meeting events or the Annual Meeting.

## QUESTIONS

Contact OTA at 1.847.698.1631 or email [ota@ota.org](mailto:ota@ota.org).

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