

28th Annual Meeting

19.25+ AMA PRA
Category I Credits™



Minneapolis,
Minnesota, USA

Photo courtesy of Meet Minneapolis

2012 Preliminary Program

Minneapolis Convention Center

Wednesday, October 3 – Saturday, October 6, 2012

Pre-meeting Courses begin Wednesday, October 3; Annual Meeting follows October 4 – 6.

Annual Meeting Features:

AOA Own the Bone; Industry Symposia;
Guest Nation: Mexico

Pre-Meeting & Concurrent Events:

International Orthopaedic Trauma Care Forum
Masters Level Trauma Coding Course
Basic Science Focus Forum
Young Practitioners Forum
★ Grant Writing Workshop
★ Orthopaedic Trauma for NP's and PA's
★ Orthopaedic Trauma Boot Camp
★ Orthopaedic Trauma Nursing Course



President

Robert A Probe, MD

Local Hosts

Peter A Cole, MD

Andrew H Schmidt, MD

David C Templeman, MD

Program Chair

James A Goulet, MD

Program Co-Chair

Thomas F Higgins, MD

The OTA gratefully acknowledges 2011 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 gratefully acknowledges OTA contributors for their support.

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Welcome

James A Goulet, MD



Dear Colleagues:

Please accept our invitation to the 28th Annual Meeting of the Orthopaedic Trauma Association (OTA) to be held in Minneapolis from October 3 – 6, 2012. The meeting will provide the most comprehensive and up-to-date program related to treatment of musculoskeletal injury available anywhere. A diverse spectrum of topics and the opportunity to attend a wide range of sessions including scientific presentations of original research, didactic lectures, small group discussions, and hands-on labs provide learning opportunities that meet the needs of all musculoskeletal health care professionals. Additional programs specifically designed for orthopaedic nurses, orthopaedic physician assistants and nurse practitioners, and for non-fellowship trained orthopaedic surgeons have been added this year.

This year's meeting will highlight main symposia on topics with broad appeal including the latest information from the leaders of the largest international hip fracture registries, and a special session on how automotive design and safety features are leading to continuously improve survival rates and new challenges for orthopaedic traumatologists. New for this year, attendees will have choices throughout the meeting to attend podium presentations or concurrent mini-symposia covering a wide range of topics. Break-out sessions in the form of mini-symposia, case presentations, and skills labs that include other general interest as well as more focused topics will allow a high level of customization of the meeting experience.

The Scientific Program will include the most relevant and scientifically sound research. More than 100 podium presentations and 200 posters

were selected by the Program Committee from a record 750 abstract submissions. A session jointly sponsored by the American Orthopaedic Association's (AOA) "Own the Bone" initiative and the OTA, will be embedded within the program to provide a step-by-step workshop for practices and research associates seeking to set up a sustainable center for treatment of fragility fractures.

Four meetings precede the traditional Annual Meeting, beginning with the *Basic Science Focus Forum (BSFF)*, chaired by Ted Miclau, MD. The BSFF is a 1-1/2 day event beginning Wednesday, October 3rd, that will provide an additional in-depth program designed to augment and expand upon the science presented and discussed at the main meeting.

Bob Ostrum, MD, will chair a new 1-1/2 day *Orthopaedic Trauma Boot Camp*, beginning Wednesday, October 3, designed for orthopaedic surgeons called upon to solve difficult trauma challenges without the benefit of formal fellowship training. Dr. Ostrum will be assisted by a select team of experienced OTA surgeon educators to help increase your knowledge and enhance your competency.

Two additional, single day pre-meeting events will take place on Wednesday, October 3rd. The perennially popular *Masters Level Coding Course* will once again be organized by Bill Creevy, MD and Karen Zupko & Associates, Inc. The highly successful *International Forum*, started three years ago, will continue under the direction of Bill DeLong, MD. And new this year, a *Grant Writing Workshop* will be offered, which is chaired by Todd McKinley and Brett Crist. In addition, the half-day *Young Practitioners*

Forum led by Lisa Cannada, MD on Thursday morning rounds out the pre-meeting events. We encourage all to arrive early to the Annual Meeting and take full advantage of these OTA offerings.

Two new courses are also on the schedule. A one-day course specifically designed for orthopaedic trauma nurses and OR scrub technicians, chaired by Paul Dougherty, MD and Mary Kay Wollan, RN, will premier on Friday October 5. A new 2-1/2 day course specifically designed for physician assistants, chaired by Mike Archdeacon, MD, Cliff Jones, MD, and Steve Morgan, MD will run concurrent with the Annual Meeting from Thursday, October 4 to Saturday, October 6.

The common feature of each of the wide range of program events is the commitment to providing the highest quality, most interesting and clinically relevant material related to musculoskeletal trauma by world-class faculty and experts. We truly believe that anyone involved in the field, now including your orthopaedic nurses and physician assistants colleagues, will benefit from this year's OTA Annual Meeting. Please consider joining us in Minneapolis!

Sincerely,

A handwritten signature in cursive script that reads "James A. Goulet".

James A Goulet, MD,
Annual Meeting Program Chair

Orthopaedic Trauma Association

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Minneapolis, Minnesota



Peter Cole, MD



Andrew Schmidt, MD



David Templeman, MD

Dear Colleagues:

We are proud to welcome you to our Twin Cities – Minneapolis and St. Paul – for the 28th Annual Meeting of the Orthopaedic Trauma Association. The meeting venue will be the Minneapolis Convention Center, conveniently located in downtown Minneapolis.

We hope that during your visit you will be able to enjoy the many outstanding attractions that the Twin Cities and the State of Minnesota have to offer. The convention center is located at the south end of what is known as the Nicollet Mall, a nearly mile long mall filled with restaurants and shopping. Within close walking distance are both Target Field and Target Center, home of the Minnesota Twins and Timberwolves, respectively. Also relatively close by are a number of theaters and museums. The world-famous Mall of America is easily accessible by car, taxi, or light-rail. For those interested in walking, running, or bicycling, the “Chain of Lakes” is a short distance away.

Most significantly, this year’s OTA meeting happens to be Marathon weekend in Minneapolis and St. Paul. There will be a series of fun events for families on Friday and Saturday. On Sunday, Oct 7, the Twin Cities Marathon and Twin Cities 10 miler will be held. The Twin Cities Marathon is regarded as one of the most beautiful urban marathons in the U.S. and is an ideal race for a first-time marathoner. Even if you don’t run, you are in for a treat if you stay around Sunday morning and are able to watch the race and see for yourself the enthusiasm of the crowd.

For those interested in spectator sports, the Minnesota Vikings schedule has not been released; if you are a fan of professional football, please stay tuned once the schedule is announced. If we’re lucky, the Minnesota Twins might be playing a Divisional series - stay tuned as the baseball season progresses. The Minnesota Golden Gophers Football team is not playing OTA weekend.

October weather in Minneapolis can be very unpredictable. Last year the weather was summer-like, while in other years the temperature can be near freezing. Please bring clothes appropriate for both warm and moderately cold weather, and be prepared for the possibility of rain.

We are very grateful the OTA has chosen to visit Minneapolis again for this outstanding event.

We hope you enjoy your time in the Twin Cities.

Regards,

Handwritten signature of Peter A Cole, MD.

Peter A Cole, MD

Handwritten signature of Andrew H Schmidt, MD.

Andrew H Schmidt, MD

Handwritten signature of David C Templeman, MD.

David C Templeman, MD

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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 healthcare policy that affect 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.

Pre-Meeting Courses/Events

Basic Science Focus Forum	6 – 9
Orthopaedic Trauma Boot Camp	10 – 11
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28th Annual Meeting & Pre-Meeting Courses

Target Audience

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

Objectives

The OTA is an organization dedicated to the discovery and dissemination of knowledge and information regarding the prevention, diagnosis, and treatment of musculoskeletal injuries.

The 28th OTA Annual Meeting will provide all registrants the opportunity to witness presentations of peer-reviewed original basic science and clinical research papers, posters and symposia that present current concepts for topics of general interest.

A multitude of mini-symposia, bio-skills labs, informal case presentations, and technical exhibits, each with specific focus, will enable a customized educational experience.

Ample opportunity will be available for expression of common concerns, sharing of relevant experiences and discussion of alternative treatment approaches.

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

- ◆ Discuss the most up-to-date clinical and basic science advancements related to orthopaedic trauma
- ◆ Become familiar with the epidemiology of worldwide fracture care and understand practical solutions to improve care
- ◆ Understand the changing landscape of US Health Policy reform
- ◆ Recognize the impact of automotive trauma and the partnership between the automotive industry, crash research institutes and the surgeons who have helped prevent and limit sequelae of vehicle-related injury
- ◆ Become familiar with how to set up and run a fragility fracture program

2012 Annual Meeting Program Committee

James A Goulet, MD - Program Chair

Thomas F Higgins, MD - Program Co-Chair

Committee:

Victor A de Ridder, MD, PhD

Michael J Gardner, MD

Pierre Guy, MD, MBA

Michael D McKee, MD

Theodore Miclau, III, MD

Robert V O'Toole, MD

John T Ruth, MD

Local Hosts:

Peter A Cole, MD, Andrew H Schmidt, MD and

David C Templeman, MD

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Pre-Meeting Events/Courses

- Basic Science Focus Forum**6 - 9
Theodore Miclau, III, MD, Chair
- Orthopaedic Trauma Boot Camp**10 - 11
Robert F Ostrum, MD; Daniel S Horwitz, MD
and Steven J Morgan, MD, Co-Chairs
- Grant Writing Workshop** 12
Todd O McKinley, MD and Brett D Crist, MD, Co-Chairs
- International Trauma Care Forum**13 - 15
William G DeLong, Jr, MD; Andrew H Schmidt, MD
and Saqib Rehman, MD, Co-Chairs
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Lisa K Cannada, MD, Chair

2012 OTA Pre-Meeting Course Basic Science Focus Forum

The Basic Science Focus Forum is co-branded by the OTA and ORS.



Theodore Miclau, III, MD, Chair

Attendees of this activity can earn
up to 11.25 AMA PRA Category I Credits™.

Wednesday, October 3, 2012

Target Audience

Academic orthopaedic surgeons, community surgeons with an interest in clinically relevant basic science, basic and clinical researchers, residents and fellows will benefit most from this Basic Science Focus Forum.

Objectives

Upon successful completion of the Basic Science Focus Forum, you will be able to:

- Review clinical relevance for hot topics in biomechanically-directed fixation
- Understand etiology of and therapy for venous thromboembolism in trauma patients
- Review the epidemiology and treatment of atypical femur fractures
- Know about state-of-the-art technologies and practices in intraoperative imaging
- Recognize the cycle of innovation and its importance to clinical research

6:30 am **Registration and Continental Breakfast**
(CC Ballroom/Main Lobby)

7:25 am
INTRODUCTION
Theodore Miclau, III, MD,
Program Chair

7:30 am – 8:40 am
SYMPOSIUM 1
BIOMECHANICALLY-DIRECTED
FIXATION: HOT TOPICS

Moderators: *Emil H Schemitsch, MD*
Joan E Bechtold, PhD

7:30 am
Clavicle Plating: Should It Be Superior or Anterior?
Michael D McKee, MD

7:38 am
Proximal Humerus: What Is the Ideal Fixation Construct?
Michael J Gardner, MD

7:46 am
Distal Humerus: Parallel or Perpendicular Plating?
Emil H Schemitsch, MD

7:54 am
Nail vs. Plating for IT Hip Fractures: What Is the Biomechanical Evidence?
Kenneth A Egol, MD

8:02 am
Distal Femur: Retrograde Nail or Locked Plate?
Philip J Kregor, MD

8:10 am
Proximal Tibia: How Many Plates are Enough?
Philip R Wolinsky, MD

8:18 am
Discussion

8:40 am – 9:38 am
PAPER SESSION 1
BIOMECHANICALLY-DIRECTED
FIXATION: HOT TOPICS

Moderators: *Emil H Schemitsch, MD*
Joan E Bechtold, PhD

8:40 am
Overview
Presenter: Joan E Bechtold, PhD

8:50 am **PAPER #1**
Biomechanics of Short-Segment Fixation In an Unstable Thoracolumbar Flexion-Distraction Injury Model: Six-Screw Construct With and Without Facet Compression
Robert P Norton, MD; Edward L Milne; David N Kaimrajh, MS; Frank J Eismont, MD; Loren L Latta, MD, PhD; Seth K Williams, MD

8:56 am **PAPER #2**
Optimizing The Biomechanics of Iliosacral Screw Fixation: The Importance of Washers and Avoiding Lateral Cortex Perforation
Julius A Bishop, MD; Anthony W Behn, MS; Tiffany N Castillo, MD

9:02 am **PAPER #3**
Screw Stripping: Can We Trust The "Bailout" Screw?
Amir M Matityahu, MD; Gudrun Mirick, MD; Meir Marmor, MD

9:08 am
Discussion

9:14 am **PAPER #4**
Intertrochanteric Fracture Optimal Lag Screw Placement Revisited: A Biomechanical Study
Patrick M Kane, MD; Wendell M R Heard, MD; Nikhil Thakur, MD; David Paller, MS; Sarath Koruprolu, MS; Christopher T Born, MD

Basic Science Focus Forum, cont'd

Wednesday, October 3, 2012

9:20 am **PAPER #5**
Biomechanical Measurements of Cyclic Preconditioning on Cadaveric Whole Canine Femurs
Emil H Schemitsch, MD;
Christopher H Gallimore, MD;
Alison J McConnell; Harshita Patel, DDS;
Rosane Nisenbaum, PhD;
Golam Morshed; Henry Koo, MD;
Michael D McKee, MD;
Habiba Bougherara, PhD; Rad Zdero, PhD

9:26 am **PAPER #6**
Mechanical Behavior and Failure Mode for Cross-Threaded Locking Screws
Jacob L Cartner, BS; Tim Petteys;
Paul Tornetta, III, MD

9:32 am
Discussion

9:38 am **Break**

9:55 am – 11:05 am SYMPOSIUM 2 VENOUS THROMBOEMBOLISM

Moderators: *Steven A Olson, MD*
William H Geerts, MD

9:55 am
Prophylaxis in Trauma Patients: What is the Standard?
H Claude Sagi, MD

10:05 am
Thromboembolic Agents: The Present and the Future
William H Geerts, MD

10:20 am
Current Public Reported Metrics for VTE Prophylaxis: Are they Optimal?
Steven A Olson, MD

10:30 am
VTE and PE Treatment: Current Recommendations
Robert D Zura, MD

10:45 am
Discussion

11:05 am – 11:39 am
**PAPER SESSION 2
VENOUS
THROMBOEMBOLISM**
Moderators: *Steven A Olson, MD*
William H Geerts, MD

11:05 am
Overview
William H Geerts, MD

11:15 am **PAPER #7**
Nottingham Trauma Symptomatic Venous Thromboembolism Risk Score (NotSVTE): Predicting Venous Thromboembolism in Acute Trauma Admissions. A Multicenter Validated Risk Score Based on 13,347 Serial Admissions
Benjamin J Ollivere, FRCS, MBBS, MD;
Katie E Rollins, MBBS;
E Paul Szypryt;
Christopher G Moran, MD, FRCS
Philip Johnston, BA; James M Hunter, MD;

11:21 am **PAPER #8**
Pulmonary Complications Are Reduced With a Protocol to Standardize Timing of Fixation Based on Response to Resuscitation
Heather A Vallier, MD;
Timothy A Moore, MD; John J Como, MD;
Patricia A Wilczewski, RN, BSN;
Michael P Steinmetz, MD; Karl G Wagner, MD;
Charles E Smith; Xiaofeng Wang, PhD;
Andrea J Dolenc, BS

11:27 am **PAPER #9**
Treatment and Complications in Orthopaedic Trauma Patients With Pulmonary Embolism
Yelena Bogdan, MD; Paul Tornetta, III, MD;
Ross K Leighton, MD; H Claude Sagi, MD;
Charles C Nalley, MD; David W Sanders, MD;
Judith A Siegel, MD; Brian H Mullis, MD;
Thomas B Bemenderfer, MD;
Heather A Vallier, MD; Alysse Boyd, MA;
Andrew H Schmidt, MD;
Jerald R Westberg, BS; Kenneth A Egol, MD;
Stephen A Kottmeier, MD;
Cory A Collinge, MD; Robert A Probe, MD

11:33 pm
Discussion

11:39 pm – 12:45 pm
Lunch

12:45 pm – 1:55 pm SYMPOSIUM 3 ATYPICAL FEMUR FRACTURES

Moderators: *Joseph Borrelli, Jr, MD*
Saam Morshed, MD, PhD

12:45 pm
Did Experimental Evidence Tell Us of the Problems with Long Term Bisphosphonate Use?
Joseph M Lane, MD

12:55 pm
Making the Observation: From the First Cluster of Events to Quantifying the Risk
Saam Morshed, MD, PhD

1:05 pm
When are Large Trials not Large Enough to Give Us Answers?
Brad A Petrisor, MD

1:15 pm
Lessons Learned: How Do We Avoid This Type of Problem from Happening Again?
Susan V Bukata, MD

1:25 pm
Bisphosphonate-Related Femur Fractures: Outcomes of Operative and Non-Operative Management
Kenneth A Egol, MD

1:35 pm
Discussion

1:55 pm – 3:01 pm PAPER SESSION 3 BONE REPAIR

Moderators: *Joseph Borrelli, Jr, MD*
Andrew H Schmidt, MD

1:55 pm
Overview
Joseph Borrelli, Jr, MD

Basic Science Focus Forum, cont'd

Wednesday, October 3, 2012

2:05 pm **PAPER #10**
Inhibit Macrophage Activation During Fracture Repair Improves Fracture Healing In Aged Mice
Yan Yiu Yu, PhD; Theodore Miclau, III, MD; Ralph S Marcucio, PhD

2:11 pm **PAPER #11**
The Role of The Progressive Ankylosis Protein (Ank) In Bone Fracture Healing
Martin Quirno, MD; Scott R Hadley, MD; Kenneth A Egol, MD; Thorsten Kirsch, PhD

2:17 pm **PAPER #12**
Role of Htra1 In The Transition From Cartilage To Bone In Fracture Healing
Marie E Walcott, MD; John J Wixted, MD; David C Ayers, MD; Paul J Fanning, PhD

2:23 pm **PAPER #13**
Tracking The Homing of Mesenchymal Stem Cells and Efficacy of Their Healing Potential In A Mouse Fracture Model
Tina Deger, MD; J Tracy Watson, MD; Zijun Zhang, MD, PhD; Walter Akers, DVM, PhD

2:29 pm
Discussion

2:37 pm **PAPER #14**
Notch Signaling In Mesenchymal Stem Cells (Msc) Harvested From Geriatric Mice
Patricia L Mutyaba, BS; Hailu Shitaye; Nicole Belkin, MD; Chancellor Gray; Derek Dopkn; Jaimo Ahn, MD, PhD; Kurt D Hankenson, DVM

2:43 pm **PAPER #15**
BMP-2 mRNA Expression After Endothelial Progenitor Cell Therapy For Fracture Healing
Ru Li, MD; Aaron Nauth, MD; Rajiv Gandhi, MD; Khalid Syed, MD; Emil H Schemitsch, MD

2:49 pm **PAPER #16**
Cell Viability and Osteogenic Potential of Bone Graft Obtained via Iliac Crest Versus Reamer-Irrigator-Aspirator
Harmeeth S Uppal, MD, MS; Blake E Peterson, BS; Michael Misfeldt, PhD; David A Volgas, MD; Yvonne M Murtha, MD; Gregory J Della Rocca, MD, PhD, FACS; Theodore J Choma, MD; James P Stannard, MD; Brett D Crist, MD, FACS

2:55 pm
Discussion

3:01 pm **Break**

3:20 pm – 4:35 pm **SYMPOSIUM 4 INTRAOPERATIVE IMAGING**

Moderators: *Edward J Harvey, MD*
Amir M Matityahu, MD

3:20 pm
Digital Pre-Operative Planning: Is it Ready for Prime Time?
Christian Krettek, MD

3:30 pm
Two D vs. 3D Computer Navigation: Does It Make the Technology More Appealing?
David M Kahler, MD

3:40 pm
Intraoperative Assessment of Reduction: Does It Make a Difference?
Meir Marmor, MD

3:50 pm
Intraoperative Radiation Exposure: How Concerned Should We Be?
Eric Meinberg, MD

4:00 pm
Intraoperative Imaging: What Is New on the Horizon?
Chip Truwit, MD

4:15 pm
Discussion

4:35 pm – 5:09 pm **PAPER SESSION 4 IMAGING-ASSISTED RESEARCH**

Moderators: *Edward J Harvey, MD*
Amir M Matityahu, MD

4:35 pm
Overview
Amir M Matityahu, MD

4:45 pm **PAPER #17**
Accurate Screw Placement For Displaced Intraarticular Calcaneus Fractures
Jaron P Sullivan, MD; Phinit Phisitkul, MD; J Lawrence Marsh, MD; Jessica Goetz, PhD

4:51 pm **PAPER #18**
Shifting of The Forearm Bones With Improper Sizing In Radial Head Arthroplasty
Winston Elliott, MS; Prasad J Sawardeker, MD; Check C Kam, MD; Elizabeth A Ouellette, MD, MBA; Loren L Latta, MD, PhD

4:57 pm **PAPER #19**
Tibial Plateau Fracture Depression: Do Locking Plates Support The Entire Lateral Plateau?
S Andrew Sems, MD; William W Cross, MD; Joseph R Cass, MD

5:03 pm
Discussion

5:09 pm **Adjourn**

Basic Science Focus Forum, cont'd

Thursday, October 4, 2012

Thursday, October 4, 2012

6:30 am **Continental Breakfast**
(CC Ballroom/Main Lobby)

7:25 am
INTRODUCTION
Theodore Miclau, III, MD,
Program Chair

7:30 am – 8:35 am
SYMPOSIUM 5
INSTITUTIONAL
UPDATES: STATE OF
MUSCULOSKELETAL
RESEARCH

Moderators: *Theodore Miclau, III, MD*
R Geoff Richards, PhD

7:30 am
NIH/National Institutes of Arthritis,
Musculoskeletal, and Skin Diseases
Intramural Program
Leon J Nesti, MD

7:45 am
AO Research Institute
R Geoff Richards, MD

8:00 am
US Army Institute of Surgical Research
Joseph C Wenke, MD

8:15 am
Discussion

8:35 am – 9:38 am
PAPER SESSION 5
MUSCULOSKELETAL
INFECTION

Moderators: *Theodore Miclau, III, MD*
R Geoff Richards, PhD

8:35 am
Overview
R Geoff Richards, PhD

8:45 am **PAPER #20**
Electrospun Pva/Cyclodextrin/
Tobramycin Nanofibrous Scaffold For
Bone Infection
David C Markel, MD; Weiping Ren, PhD, MD

8:51 am **PAPER #21**
Nanoparticle-Antimicrobial Complexes
for the Treatment of Intracellular
***Staphylococcus aureus* Osteoblast**
Infections

David I Devore, PhD; Crystal Archer;
Asa Vaughan; Maria Cormier;
Krista L Niece

8:57 am
Discussion

9:02 am **PAPER #22**
Anti-Infection Trauma Devices With
Drug-Releasing and Nonfouling
Surface Modification

Hao Wang, MD; Karen D Schultz, MD;
Koby J Elias, BS; Christopher Loose, PhD

9:08 am **PAPER #23**
A Novel SCPP Scaffold Composite For
Erythromycin Release In A Mouse
Infection Model

David C Markel, MD; Nancy M Jackson, PhD;
Jeffery Flynn, MD; Weiping Ren, PhD, MD

9:14 am
Discussion

9:19 am **Break**

9:35 am – 10:25 am
SYMPOSIUM 6
CYCLE OF INNOVATION

Moderators: *Mohit Bhandari, MD, PhD*
Saam Morshed, MD, PhD

9:35 am
The Cycle of Innovation: Is There an
Ideal Approach?
Mohit Bhandari, MD, PhD

9:45 am
Taking Early Innovation into the
Clinical Arena
Paul Tornetta, III, MD

9:55 am
Taking Promising Innovation into
Clinical Practice: What are the
Studies We Should be Doing?
Saam Morshed, MD, PhD

10:10 am
Getting through the FDA
Approval Process
Thomas A Russell, MD

10:25 am
Discussion

10:45 am – 11:19 am
PAPER SESSION 5
CLINICAL RESEARCH

Moderators: *Mohit Bhandari, MD, PhD*
Saam Morshed, MD, PhD

10:45 am
Overview
Saam Morshed, MD, PhD

10:55 am **PAPER #24**
Research in Orthopaedic Trauma:
Has Anything Changed Since the
Introduction of Levels of Evidence?

Brian P Cunningham, MD;
Gilbert R Ortega, MD, MPH;
Ryan McLemore, PhD;
Alexander C McLaren, MD

11:01 am **PAPER #25**
The Difficulty in Performing a
High-Quality Randomized Trial
for the Distal Radius: Are These
Insurmountable Changes?

Paul Tornetta, III, MD;
Tarek Sibai, MD; Hope Carlisle, RN

11:07 am **PAPER #26**
Journal Impact Factor: Does it Reflect
the Impact of Clinical Research in
Trauma and Orthopaedic Surgery?

Preetham Kodumuri, MBBS, MRCS;
Jonathan Holley; Benjamin Ollivere, FRCS;
Christopher G Moran, MD, FRCS

11:13 am
Discussion

11:19 am **Adjourn**

11:15 am- **INDUSTRY SYMPOSIA**
12:45 pm *(Lunch Included)*

Robert F Ostrum, MD; Daniel S Horwitz, MD
and Steven J Morgan, MD, Co-Chairs

Attendees of this activity can earn
up to 14.5 AMA PRA Category I Credits™.



NEW

Target Audience

This course is intended for the practicing orthopaedic surgeon who takes emergency room or trauma call. Current techniques in operative care will be stressed with attention to appropriate soft tissue management and up-to-date implant selection. Case discussions will be used for interactive learning and audience participation.

Objectives

Upon successful completion of the Boot Camp, you will be able to:

- Understand current indications for operative and non-operative treatment of fractures and dislocations
- Comprehend appropriate surgical techniques, approaches, and implant selections for fracture care
- Recognize the importance of careful soft tissue techniques
- Analyze critically ill traumatized patients and practice appropriate temporary stabilization procedures and establish protocols for transfer

6:15 am **Registration and Continental Breakfast**
(CC Ballroom/Main Lobby)

Wednesday, October 3, 2012

Program

7:00 am
WELCOME and ANNOUNCEMENTS
Robert F Ostrum, MD

7:05 am
Clavicle Fractures –
Robert A Probe, MD

7:25 am
Proximal Humerus Fractures
John T Capo, MD

7:45 am
Distal Humerus Fractures
David C Teague, MD

8:05 am
Olecranon Fractures
Erik Kubiak, MD

8:25 am
Distal Radius Fractures
Thomas F Varecka, MD

8:45 am
Questions/Discussion

9:00 am Break

9:20 am
CASE PRESENTATIONS
Daniel S Horwitz, MD

9:40 am
Open Fractures
Robert F Ostrum, MD

10:00 am
Orthobiologics
J Tracy Watson, MD

10:20 am
Initial Management of Polytrauma Patient
Wade R Smith, MD

10:40 am
DVT Prophylaxis in Trauma Patients
Frank A Liporace, MD

11:00 am
Questions/Discussion

11:15 am
CASE PRESENTATIONS
Steven J Morgan, MD

11:35 am Break for lab

11:45 am
LAB 1 Proximal Humerus Locking Plate
LAB 2 Distal Radius Plating – Locked Volar, Focal Dorsal

12:30 pm **Working Fireside Lunch**
Moderator: *Robert F Ostrum, MD*

1:00 pm
Pelvic Fractures: What Is Stable?
Mark C Reilly, MD

1:20 pm
Acetabulum Fractures
H Claude Sagi, MD

1:40 pm
Femoral Neck Fractures in Younger Patients
J Tracy Watson, MD

2:00 pm
Femoral Neck Fractures in Elderly: ORIF, Monopolar, or THR
Kenneth J Koval, MD

2:20 pm
Intertrochanteric Fractures: IMHS vs. DHS
Jeffrey O Anglen, MD

2:40 pm
Questions/Discussion

Orthopaedic Trauma Boot Camp, cont'd

Thursday, October 4, 2012

Wednesday, October 3, 2012, cont'd

2:55 pm
CASE PRESENTATIONS
Robert F Ostrum, MD

3:15 pm Break

3:35 pm
Antegrade Femoral Nailing
Daniel S Horwitz, MD

3:55 pm
Retrograde Femoral Nailing
Dolfi S Herscovici, DO

4:20 pm
Supracondylar Femur Fractures
Paul Tornetta, III, MD

4:40 pm
Questions/Discussion

4:55 pm
CASE PRESENTATIONS
Frank A Liporace, MD

5:15 pm Adjourn

Thursday, October 4, 2012

6:15 am **Continental Breakfast**
(CC Ballroom/Main Lobby)

7:00 am
Periprosthetic Fractures
George J Haidukewych, MD

7:20 am
**Role and Technique for Spanning
External Fixation**
Jeffrey O Anglen, MD

7:40 am
Patella Fractures
Joshua Langford, MD

8:00 am
Tibial Plateau Fractures
Steven J Morgan, MD

8:20 am
Questions/ Discussion

8:35 am
CASE PRESENTATIONS
Erik Kubiak, MD

8:55 am Break

9:15 am
LAB 1 Distal Femoral Plating
LAB 2 Proximal Tibia Plating

10:15 am
Tibial Shaft Fractures
Philip R Wolinsky, MD

10:35 am
Tibial Shaft Nonunions
Gerald J Lang, MD

10:55 am
Pilon Fractures
Steven J Morgan, MD

11:15 am
Talus Fractures
Dolfi Herscovici, Jr, DO

11:35 am
Calcaneus Fractures
Erik Kubiak, MD

11:55 am
Questions/Discussion

12:15 pm
CASE PRESENTATIONS
J Tracy Watson, MD

12:35 pm **Adjourn**
Box lunches will be available to course participants.

Support the **OTA 2012** **RESEARCH CAMPAIGN...**

The OTA gratefully acknowledges all current and past OTA Research Fund Donors. Please be sure to pick up your donor ribbon at registration, and wear it throughout the meeting.

Donations can be made via the OTA website or by calling (847) 698-1631.

OTA Membership New and Prospective Members are invited to attend an OTA **NEW MEMBER LUNCHEON!**

FRIDAY, OCTOBER 5, 2012
NOON - 1:00 PM

Can't make the luncheon?
Stop by the OTA Membership Booth in the registration foyer and learn what the OTA has to offer you!

The Grant Writing Workshop is co-branded by the OTA and ORS.

Todd O McKinley, MD and
Brett D Crist, MD, Co-Chairs

Attendees of this activity can earn
up to 8 AMA PRA Category I Credits™.



NEW

Target Audience

This workshop is designed for any surgeon who is interested in writing competitive peer-reviewed grants. It is particularly suited for younger faculty, trauma fellows and senior level residents who are going to pursue a career in orthopaedic trauma. The workshop will cover principles that apply to both entry level grants (i.e. OTA-sponsored grants) and secondary higher-order funding such as NIH or DOD level grants.

Objectives

Upon successful completion of the OTA/ORS Grant Writing Workshop, you will be able to:

- Identify the mechanics of writing a successful research grant
- Understand the grant review process

Program

6:30 am **Registration and Continental Breakfast**
(CC Ballroom/Main Lobby)

7:25 am
INTRODUCTION
Todd O McKinley, MD,
Chair, OTA Research Committee

DIDACTICS:

7:30 am – 9:30 am
MECHANICS OF A GRANT

Wednesday, October 3, 2012

7:30 am
Introduction and Specific Aims
Stephen L Kates, MD

7:50 am
Background and Significance
Denis R Clohisy, MD

8:10 am
Discussion

8:30 am
Previous Work/ Experimental Design and Methods
Thomas D Brown, PhD

8:55 am
Alternative Strategies/Limitations
Joseph (Jody) A Buckwalter, MD, PhD

9:15 am
Discussion

9:30 am Break

10:00 am – 11:00 am **SUPPORTING DOCUMENTATION**

10:00 am
Biosketches
Joan E Bechtold, PhD

10:15 am
Collaborations
Marc F Swiontkowski, MD

10:30 am
Budget and Budget Justification
Theodore Miclau, III, MD

10:45 am
Discussion

11:00 am – 12:00 pm **OPTIMIZING YOUR CHANCES OF SUCCESS**

11:00 am
Understanding the Review Process: “Funding Opportunities at the National Institutes of Health”
James S Panagis, MD, MPH (via Skype)

11:20 am
Pearls and Pitfalls: What Have I Learned from Wins and Losses
Regis J O’Keefe, MD, PhD

11:40 am
Discussion

12:00 pm Lunch

SMALL GROUP ACTIVITIES:

(Groups of 3 to 4 attendees per faculty in small group discussions)

1:00 pm – 3:00 pm
All Faculty
(Attendees and faculty will be required to read a library of grants prior to the workshop for these discussions).

- **Successful Grant Review and Discussion**
- **Marginal Grant Review and Discussion**
- **Rejected Grant Review and Discussion**

3:00 pm Break

3:30 pm – 4:45 pm
All Faculty
Mock Grant Review

4:45 pm – 5:30 pm
All Faculty
Discussion of Mock Grant Review, Small Group Activities and Closing Remarks
Brett D Crist, MD and
Todd O McKinley, MD, Co-Chairs,
OTA/ORS Grant Writing Workshop

2012 OTA Pre-Meeting Course International Orthopaedic Trauma Care Forum

William G DeLong, Jr, MD; Andrew H Schmidt, MD
and Saqib Rehman, MD, Co-Chairs

Attendees of this activity can earn up to 8 AMA PRA Category I Credits™.

Target Audience

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

Objectives

Attendees of the International Orthopaedic Trauma Care Forum will:

- Learn about the varied methods of treating fracture and trauma complications from around the world
- Become familiar with unique approaches to lower extremity injuries treated in areas of the world that have limited resources
- Increase understanding and knowledge of research opportunities internationally
- Learn about state of the art methods to manage osteomyelitis and open fractures

Program

7:00 am **Registration and Continental Breakfast**
(CC Ballroom/Main Lobby)

7:45 am
INTRODUCTION
William DeLong, MD
International Committee Chair

Wednesday, October 3, 2012

7:55 am – 8:25 am
SYMPOSIUM 1
COMPARING TRAUMA SYSTEMS FROM TWO NATIONS: CHINA and MEXICO

Moderator: *Peter Giannoudis, MD*

7:55 am
Case Presentations - Question and Answer Session

Mexico: Fryda Medina, MD
Fernando de la Huerta, MD
Graciela Gallardo García, MD

China: Jiaying Xu, MD
Manyi Wang, MD

8:15 am
Chinese Primary Trauma Care: A Novel Program to Improve the Trauma Care Situation in China
Jiaying Xu, MD

8:25 am – 10:38 am
PAPER SESSION 1
FRACTURES OF THE LOWER EXTREMITY

Moderators: *Saqib Rehman, MD*
David C Templeman, MD

8:25 am
Comparison of Functional Outcome between Hollow Nail and Solid Nail (SIGN®) in the Management of Tibial Shaft Fractures (Nepal)
Rajiv Maharjan, MD

8:33 am
Management of Open Tibia Fractures in the Developing World Using the SIGN Intramedullary Nail (Africa)
Daniel Galat, MD

8:41 am
Evaluation of results of Sign Interlock Nailing in open diaphyseal fractures of Tibia in Indian Scenario (India)
Amitava Narayan Mukherjee, MD

8:49 am
Treating Pediatric Diaphyseal Femur Fractures with SIGN-Fin and Pediatric Nails (Pakistan)
Shahab-ud-Din, MD

8:57 am
Discussion

9:12 am
Can we Place an IM-Nail in Infected Non-unions of Tibia (Pakistan)
Faseeh Shahab, MD

9:20 am
Correction of Posttraumatic Flexion Contracture of Knee Using Ilizarov Technique (China)
Shengsong Yang, MD

9:28 am
Distal Tibiofibular Synostosis After Ankle Fractures (China)
Ting Li, MD

9:36 am
External Fixator to IM Nail: Can It Be Done in Single Surgery? (Pakistan)
Shahab-ud-Din, MD

9:44 am
Discussion

9:59 am
External vs Internal Malrotation following Locked Intramedullary Nailing for Fracture Shaft Femur in Adults (India)
Navendu Goyal, MD

International Orthopaedic Trauma Care Forum, cont'd

Wednesday, October 3, 2012

10:07 am

Periprosthetic Fracture After Locked Plating In The Osteoporotic Fracture Patients (Korea)
Ki Chul Park, MD

10:15 am

Outcome of Nonoperative Versus Operative Treatment For Pure Compression Fractures of Anterior Lateral Tibial Plateau: A Retrospective Study of 54 Patients (China)
Donghua Hang, MD

10:23 am

Discussion

10:38 am **Break**

10:58 am – 12:25 pm

PAPER SESSION 2 INJURIES TO THE PELVIS AND HIP

Moderators: *Steven J Morgan, MD*
Jeffrey O Anglen, MD

10:58 am

Trochanteric Fractures in Latin America: Is There Any Reason for Operating these Patients Out of Regular Working Hours? (Brazil)
Mauricio Kfuri, MD

11:06 am

Outcome of Major Pelvic Trauma Surgery without Intra-operative Imaging in Ethiopia (Ethiopia)
Lucas Anderson, MD

11:14 am

Retrograde Nailing In Periprosthetic Femoral Shaft Fractures About Hip Arthroplasty Stems (Russia)
Alexander N Chelnokov, MD

11:22 am

Discussion

11:38 am

The Treatment With Intramedullary Hip Screw In The Intertrochanteric Fractures: A Clinical Outcome Study With A Focus On Asian Patients (Thailand)
Chayanin Angthong, MD

11:46 am

Proximal Femoral Fractures Caused By Cycling Accidents In Young Patients (Israel)
Yoram A Weil, MD

11:54 am

Pipkin Fracture Dislocation Of The Hip-Long Term Outcome (India)
Ramesh Kumar Sen, MS, MBBS, PhD

12:02 pm

Risk Factors of Venous Thromboembolism In Asian Patients with Pelvic-Acetabular Trauma (India)
Sameer Aggarwal

12:10 pm

Discussion

12:25 pm

Lunch and Poster Session

1:25 pm – 2:20 pm

SYMPOSIUM 2 STATE OF THE ART CARE OF OPEN FRACTURES AND OSTEOMYELITIS

Moderator: *Lewis G Zirkle, Jr, MD*

1:25 pm

State of the Art Treatment of Osteomyelitis
John L Esterhai, Jr, MD

1:45 pm

State of the Art Treatment of Open Fractures
J Tracy Watson, MD

2:05 pm

Discussion

2:20 pm – 4:00 pm

PAPER SESSION 3 GENERAL MANAGEMENT OF MUSCULOSKELETAL INJURY

Moderators: *Andrew H Schmidt, MD*
Massimo Morandi, MD

2:20 pm

International Orthopaedic Multicenter Study Fracture Study (INORMUS) (Canada)
C J Foote, MD, MSc

2:28 pm

A Randomised Control Trial of Neurological Outcome With Different Treatment Modalities In Acute Thoracolumbar Spinal Injuries With Complete Paraplegia – A Preliminary Report (India)
Professor Rajeshwar Nath Srivastava, Sr

2:36 pm

Discussion

2:51 pm

Break

3:11 pm

Sequential Reduction Protocol Using Vector Principle For Cervical Fracture Dislocations - An Algorithm (India)
Professor Rajeshwar Nath Srivastava, Sr

3:19 pm

A Comparative Study of Posterior Fixation In Acute Unstable Thoracolumbar Injuries By Monoaxial and Polyaxial Pedicle Screws (India)
Professor Rajeshwar Nath Srivastava, Sr

3:27 pm

Shoulder Reconstruction with Nerve Transfers for Traumatic Brachial Plexus Injuries (Philippines)
Arnaldo S Favila, Jr, MD

3:35 pm

Fixator-Assisted Nailing in Shaft Fractures of the Forearm (Russia)
Alexander N Chelnokov, MD

3:43 pm

Discussion

International Orthopaedic Trauma Care Forum, cont'd

Wednesday, October 3, 2012

4:00 pm – 5:00 pm

GUEST NATION - MEXICO SYMPOSIUM

Evidence Based Practice in Orthopaedics

Introduction: *William G De Long, Jr, MD*

Moderators: *Fernando de la Huerta, MD*

Theodore Miclau III, MD

4:00 pm

Introduction

William G DeLong, Jr, MD

4:05 pm

Barriers to Research in Latin America

Fernando de la Huerta, MD

4:15 pm

Developing an International Trauma Research Consortium

Saam Morshed, MD, PhD

4:25 pm

Trauma Systems in Mexico: Can They Handle our Needs?

Fryda Medina, MD

4:35 pm

Road Traffic Crashes: Is This Our Emerging Challenge?

Graciela Gallardo García, MD

4:45 pm

Discussion



Guest Nation Symposium OTA 2nd Annual Guest Nation ~ Mexico

In recognition of the importance and benefits of sharing knowledge and experience with international colleagues, the OTA has instituted a Guest Nation Program. We are proud to announce that Mexico has been selected as the 2nd Annual OTA Guest Nation.

Representatives from the *Congreso Nacional de Ortopedia y Traumatologia* will participate in the 4:00 pm symposium. In addition, the Embassy of Mexico has been invited to send a representative to the Annual Meeting. We are pleased to have this opportunity for collaboration with our Mexican colleagues, and it will be an honor to recognize their contributions and achievements.

5:00 pm

Adjourn

5:15 - 6:15 pm

International Reception

All international attendees are welcome



Wednesday, October 3, 2012

Course Description

Margaret Maley BSN, MS, consultant with KarenZupko & Associates, Inc., returns to OTA with a 2012 coding course for orthopaedic trauma surgeons. Take advantage of the opportunity to attend a course specifically focused on coding and reimbursement issues most important to the bottom line of orthopaedic trauma surgeons.

Questions that consistently plague you and your office staff will be addressed in depth:

- How do I report the closed treatment of a fracture with manipulation if the reduction is lost and I have to perform a subsequent ORIF?
- What codes do I use to indicate that I initially placed an external fixator with the intention of taking the patient to the OR later for an ORIF?
- Why do my E&M services get denied when I report global fracture care in addition?
- If the resident or my PA reduces a fracture in the ER, what do I report when I see the patient in my office?

Learning Objectives

Upon successful completion of the Evaluation and Management (E&M) Section, you will be able to:

- Confidently report services in the ER that result in a hospital admission.
- Know what modifier is required if you see a patient in the ER and take them urgently to the operating room.

- Explain the difference between a consultation on a Medicare patient vs. a Non-Medicare patient.
- Describe how correctly linking the diagnosis to the E&M or surgical service is important in helping you avoid an audit.

Upon successful completion of the Orthopaedic Trauma Procedural Coding Course, you will be able to:

- Discuss what is included in global fracture care.
- Correctly code bone grafting, external fixation, debridement, and fracture care.
- Understand the difference between returning a patient to treat a surgical complication vs. a staged procedure.
- Correctly document and report procedures that are unrelated to surgeries done previously when you are in the "global period".
- Report the services of surgical assistants and PA's.

About the Speaker

Margaret Maley brings over 30 years of experience in orthopaedics to her clients as a clinician and consultant. With a B.S.N. from The University of Illinois, a master's degree from Rush University and strong clinical experience in orthopaedics, Ms. Maley has been a senior consultant with KZA for over 15 years. Her clear understanding of the current orthopaedic reimbursement challenges and unique ability to communicate with orthopaedic surgeons makes her an asset to staff and administrators alike. Margaret speaks regularly to

private and academic orthopaedic departments, state orthopaedic societies, and as a featured speaker for national organizations like AAOE, The Musculoskeletal Tumor Society, The American Association



Margaret Maley
Senior Consultant,
KarenZupko & Associates,
Inc.

of Hip and Knee Surgeons, the Western Orthopaedic Association, Gait and Clinical Movement Analysis Society, Pediatric Orthopaedic Society of North America, Orthopaedic Trauma Association and the AAOS Annual Meeting.

Course Program

8:00 am **Registration and Continental Breakfast**
(CC Ballroom/Main Lobby)

9:00 am – 12:00 pm
EVALUATION & MANAGEMENT ISSUES FOR THE ORTHOPAEDIC TRAUMA SURGEON

12:00 pm – 1:00 pm
Lunch

1:00 pm – 4:00 pm
SURGICAL CODING AND REIMBURSEMENT FOR THE ORTHOPAEDIC TRAUMA SURGEON

Attendees of this activity can earn up to 4.25 AMA PRA Category I Credits™.

Lisa K Cannada, MD, Chair

Target Audience

This course is designed for orthopaedic residents, fellows and young practitioners to promote career planning and development during residency and selection of best practice environment.

Forum Objectives

- 1) Increase knowledge and understanding of the fellowship, job interviewing and negotiating processes;
- 2) Learn important tips for young practitioners in different practice settings;
- 3) Identify successful strategies for financial management;
- 4) Increase awareness of opportunities outside the operating room including volunteer opportunities and health policy issues.

Program

7:00 am **Registration and Continental Breakfast**
(CC Ballroom/Main Lobby)

8:00 am
OVERVIEW
Lisa K Cannada, MD,
Chair

8:07 am
Choosing a Fellowship
Jason Tank, MD

Thursday, October 4, 2012

8:13 am
Making the Most of Your Fellowship
David C Templeman, MD

8:22 am
Panel: Finding a Job in an Overcrowded Market: Getting What You Want
Sean T Burns, MD, Boris Zellen,
Kyle Judd, MD, Karen E Hand, MD

8:47 am
The View From the Other Side of the Desk: What an Employer Looks For During an Interview
Douglas W Lundy, MD

9:00 am
Negotiating
M Bradford Henley, MD

9:24 am
How to Get What You Want in a Hospital
Aaron G Osborne, DO

9:36 am
Questions

9:51 am Break

10:06 am
How to Use and Maximize Ancillary Staff
Matthew R Craig, MD

10:14 am
Things You Never Thought of that Make a Difference
J Tracy Watson, MD

10:27 am
Top 10 Tips & Tricks for Operating By Yourself (includes video)
Troy Caron, DO

10:43 am
Tips for Preparing for Your Boards, Part II
Jodi Siegel, MD

10:51 am
Questions

11:02 am
Preparing for the Road Ahead: Maximizing Opportunity
Todd O McKinley, MD

11:13 am
Tips for Personal Finance Success
Roy Sanders, MD

11:31 am
Keynote Address: Know the Evidence & Question Everything
Paul Tornetta, III, MD

11:55 am
Wrap Up

12:00 pm **Lunch Session**
This will be an open session for question and answers after our two panelist speak

The Reality of Relationship Failure
Robert P Dunbar, Jr., MD

Avoiding Burnout & Finding Balance
J Lawrence Marsh, MD

Perspectives from a Wife, Mother and Surgeon
Yvonne Murtha, MD

1:00 PM
ANNUAL MEETING BEGINS

**OTA Membership Application
Deadlines:
May 1 and November 1**

Apply today at www.OTA.org



Join the **ORTHOPAEDIC — TRAUMA — ASSOCIATION**

Member Services

Take advantage of the many OTA member services....

- JOT Subscription
- Discussion Forum and Listserv
- Coding and Practice Management Resources (Academic and Community)
- Meeting Discounts
- Mentor Programs
- Fellowship Match
- Career Resources

Education

Learn the latest techniques for the management of complex orthopaedic trauma patients from leading orthopaedic trauma educators. The OTA offers educational opportunities for:

- Residents
 - Young Practitioners
 - Mid - Senior Level Orthopaedic Surgeons
 - Fellows
- Scholarships offered for most resident and fellows programs.*

Research

- Research Grants
- Trauma Registry
- Multicenter Studies
- Conduct and Access OTA Member Surveys

Professional Development and Leadership Opportunities

- 25+ Committees and Project Teams
- Resident and Fellow Education and Research Grants

Health Policy & Practice Management

- Shape Health Policy
- Develop Position Statements
- Evaluate Current Practice Management Issues and Incorporate Thoughtful Solutions

OTA Membership Dues

Active/Research/Senior Membership	\$ 600	International	\$ 100**
Community/Associate	\$ 500	Allied Health	\$ 130**
Candidate (Resident/Fellow)	\$ 50**		

*** does not include JOT subscription*



Annual Meeting

**Program Chair
James A Goulet, MD**

**Program Co-Chair
Thomas F Higgins, MD**



Minneapolis Convention Center

Photo courtesy of Meet Minneapolis.

James A Goulet, MD, Chair
Thomas F Higgins, MD, Co-Chair

Attendees of this activity can earn
19.25+ AMA PRA Category I Credits™.

Target Audience

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

- Become familiar with the epidemiology of worldwide fracture care and understand practical solutions to improve care
- Understand the changing landscape of US Health Policy reform
- Recognize the impact of automotive trauma and the partnership

between the automotive industry, crash research institutes and the surgeons who have helped prevent and limit sequelae of vehicle-related injury

- Become familiar with how to set up and run a fragility fracture program

Objectives

The OTA is an organization dedicated to the discovery and dissemination of knowledge and information regarding the prevention, diagnosis, and treatment of musculoskeletal injuries.

The 28th OTA Annual Meeting will provide all registrants the opportunity to witness presentations of peer-reviewed original basic science and clinical research papers, posters and symposia that present current concepts for topics of general interest. A multitude of mini-symposia, bio-skills labs, informal case presentations, and technical exhibits, each with specific focus, will enable a customized educational experience.

Ample opportunity will be available for expression of common concerns, sharing of relevant experiences and discussion of alternative treatment approaches.

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

- Discuss the most up-to-date clinical and basic science advancements related to orthopaedic trauma

Thursday, October 4, 2012

6:15 am
REGISTRATION
(CC Ballroom/Main Lobby)

2:50 pm Break
Visit Scientific Posters & Technical Exhibits

1:00 pm
WELCOME AND DONOR AWARDS
Robert A Probe, MD
James A Goulet, MD

3:20 pm – 4:52 pm
**SCIENTIFIC SESSION I
HIP FRACTURES**
Moderators: *John T Ruth, MD*
J Tracy Watson, MD

1:20 pm – 2:50 pm
**SYMPOSIUM I
IMPROVING HIP FRACTURE CARE**
Moderator: *Christopher G Moran, MD*
Faculty: Kjell Matre, MD;
Stephen L Kates, MD;
Keith M Willett, MD;
Lau Tak Wing, MD

This symposium will look at the worldwide epidemiology of hip fractures and review the results of large, National Hip Fracture Registries giving level-1 epidemiological evidence. Methods of improving standards of care through audit and financial incentive will be discussed with practical suggestions on improving hip fracture care in the USA and other countries.

3:20 pm **PAPER #27**
More Reoperations After Intramedullary Nailing Compared with Sliding Hip Screws in the Treatment of AO/OTA Type A1 Trochanteric Fractures: Results After 7643 Operations Reported To the Norwegian Hip Fracture Register
Kjell Matre, MD;
Leif Ivar Havelin, MD, PhD;
Jan-Erik Gjertsen; Tarjei Vinje;
Birgitte Espehaug; Jonas M Fevang, MD

3:26 pm **PAPER #28**
A Comparison of Cemented and Uncemented Bipolar Hemiarthroplasty Complications in the Early Post-Operative Period
Ross K Leighton, MD, FRCSC, FACS;
Uwe Dahn, MD;
Kelly Trask, BEng, MSc, CCRP

28th Annual Meeting, cont'd

Thursday, October 4, 2012

3:32 pm **PAPER #29**
Internal Fixation Versus Cemented Unipolar Hemiarthroplasty for Displaced Femoral Neck Fractures in Elderly Patients With Severe Cognitive Dysfunction: A Randomized, Controlled Trial

Carl-Johan Hedbeck, MD;
Christian Inngul; Richard Blomfeldt, MD;
Hans Törnkvist, MD, PhD;
Sari Ponzer, MD, PhD;
Anders G Enocson, MD, PhD;

3:38 pm
Discussion

3:43 pm **PAPER #30**
Treatment of Pertrochanteric Fractures (AO/OTA 31-A1 and A2): Long Versus Short Cephalomedullary Nailing

Kaan S Irgit, MD; Zhiyong Hou, MD
Thomas R Bowen, MD;
Michelle E Matzko, PhD;
Cassandra M Andreychik, BA;
Daniel S Horwitz, MD; Wade R Smith, MD

3:49 pm **PAPER #31**
Short Versus Long Intramedullary Nails Used for Intertrochanteric Femur Fractures

Kelly Carlberg, MD; Christopher Boone, MD;
Denise Koueiter, MS; Kevin Baker, PhD;
Jason Sadowski, MD; Patrick Wiater, MD;
Gregory Nowinski, MD; Kevin Grant, MD

3:55 pm **PAPER #32**
Locked Plating of Proximal Femur Fractures: A Multi-Center Analysis of Outcomes and Predictors of Failure

Robert A Hymes, MD;
Kelly G Kilcoyne, MD; Tyler G Marks, MD;
James S Melvin, III, MD; Scott Yang;
Jennifer H Wood, MD; Matt L Graves, MD;
David S Weiss, MD; Michael C Tucker, MD;
Lisa K Cannada, MD; Elyse S Brinkmann;
J Tracy Watson, MD

4:01 pm
Discussion

4:06 pm **PAPER #33**
Displaced Femoral Neck Fractures in Patients <60 Year of Age
Stephen T Gardner, MD;
Michael J Weaver, MD;
Seth A Jerabek, MD; Mark S Vrahas, MD;
Paul T Appleton, MD; Mitchel B Harris, MD

4:12 pm **PAPER #34**
Outcomes After Treatment of Femoral Neck Fractures in Young Patients
Andrew N Pollak, MD; Emily Hui, MPH;
Renan C Castillo, MS; Bingfang Zeng, MD;
Dong Wang, MD; Baotong Ma, DO

4:18 pm **PAPER #35**
Diagnosis of Femoral Neck Fractures Present With Femoral Shaft Fractures: Do We Need Intra-Operative Radiographs?

Simon L Amsdell, MD; John P Ketz, MD;
Jonathan M Gross, MD;
Catherine A Humphrey, MD;
John T Gorczyca, MD; Holman Chan, MD

4:24 pm
Discussion

4:29 pm **PAPER #36**
Delay to Surgery in Hip Fracture Patients: Effect on Mortality, Length of Stay, and Postoperative Morbidity
Reshid Berber, MBBS, BS;
Christopher G Moran, MD, FRCS

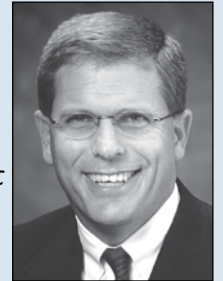
4:35 pm **PAPER #37**
Postoperative Urinary Tract Infection Results in Higher Rates Deep Infection in Patients With Proximal Femoral Fractures

Benjamin J Ollivere, FRCS, MBBS, MD;
Thomas Kurien, MBBS;
Claire Morris, MA;
Daren P Forward, FRCS;
Christopher G Moran, MD, FRCS

4:41 pm **PAPER #38**
No Effects of Blood Transfusion on Survival After Hip Fracture Surgery
S J M Smeets, MD; M Poeze, MD, PhD;
Jan P A M Verbruggen, MD, PhD

4:47 pm
Discussion

4:52 pm
PRESIDENT'S MESSAGE
"The Changing Value Proposition of the Orthopaedic Traumatologist"
Robert A Probe, MD
OTA President



Introduced by his fellowship mentor
Ronald W Lindsey, MD

5:25 pm
OTA BUSINESS MEETING
OTA Members Only

6:30 pm
WELCOME RECEPTION

Join the OTA for cocktails and a generous assortment of hors d'oeuvres at Windows on Minnesota. Windows is located on the 50th floor of the Marquette hotel, a short walk from the Convention Center.



28th Annual Meeting, cont'd

Friday, October 5, 2012

6:15 am REGISTRATION

(CC Ballroom/Main Lobby)

6:30 am – 7:45 am Concurrent Breakout Sessions

(6:15 Continental Breakfast)

SKILLS LABS

Joint Spanning External Fixator for Temporizing Articular Fractures (F1)

Moderator: *Cory A Collinge, MD*

ORIF Distal Femur Fractures (F2)

Moderator: *David P Barei, MD*

CASE PRESENTATIONS

Coding Update with Case-Based Learning

Moderator: *William R Creevy, MD*
Faculty: *J Scott Broderick, MD*
M Bradford Henley, MD

Pelvis and Acetabulum

Moderator: *Paul Tornetta, III, MD*
Faculty: *Thomas F Higgins, MD*
Robert F Ostrum, MD
Philip R Wolinsky, MD

Pediatric Femur Fractures

Moderator: *Enes Kanlic, MD, PhD*
Faculty: *Amr A Abdelgawad, MD*
J Eric Gordon, MD
Marc F Swiontkowski, MD

Proximal Humerus Fractures

Moderator: *Utku Kandemir, MD*
Faculty: *Michael J Gardner, MD*
John T Gorczyca, MD
Michael D McKee, MD
Milan K Sen, MD

8:00 am – 9:30 am

SYMPOSIUM II AUTOMOTIVE MEDICINE AND ORTHOPAEDIC TRAUMA

Moderator: *James A Goulet, MD*

This symposium will explore the impact of lives lost and altered by automotive trauma, as well as the strides made in preventing or limiting serious injury associated with vehicle collisions. Partnerships between the automotive industry, crash researchers, rapid responder systems, and surgeons have played a critical role in reducing the morbidity and mortality associated with vehicle collisions. Speakers who will present the latest developments in this rapidly evolving field will include surgeons as well as representatives from the automotive industry and leading automotive research institutes.



9:30 am Break
Visit Scientific Posters &
Technical Exhibits

10:00 am – 11:15 am ANNUAL MEETING CONCURRENT SESSIONS

- Mini Symposia
- Scientific Session II
Foot and Ankle Papers

MINI SYMPOSIA

Workers Compensation: An Orthopaedic Trauma Perspective

Moderator: *Hassan R Mir, MD*

Faculty: *Lisa K Cannada, MD*
Cory A Collinge, MD
A Alex Jahangir, MD
William T Obrebsky, MD, MPH
Manish K Sethi, MD

How to Establish and Run a Fragility Fracture Program (Own the Bone)

Moderator: *James A Goulet, MD*

Faculty: *Clifford B Jones, MD*
Kyle J Jeray, MD
Marc F Swiontkowski, MD

SCIENTIFIC SESSION II FOOT AND ANKLE

Moderators: *Pierre Guy, MD, MBA*
David W Sanders, MD

10:00 am PAPER #39 Gravity Stress Radiographs: Does A Positive Radiograph Mean an Unstable Ankle?

Kate Ella Bugler; George Smith, FRCS;
Timothy O White, MD, FRCS

10:06 am PAPER #40 Early Routine Weight Bearing is Safe in Patients With Ankle Fractures

Kate Ella Bugler;
Timothy O White, MD, FRCS

10:12 am PAPER #41 Does the Fibula Need to Be Fixed in Complex Pilon Fractures?

John C Kurylo, MD; Neil Datta;
Kendra N Iskander, MD, MPH;
Paul Tornetta, III, MD

10:18 am
Discussion

28th Annual Meeting, cont'd

Friday, October 5, 2012

10:23 am **PAPER #42**
Operative Treatment of Displaced Intra-Articular Calcaneal Fractures: Long Term (10-20 Years) Results in 108 Fractures Using a Prognostic CT Classification
Roy Sanders, MD; Zachary Vaupel, MD

10:29 am **PAPER #43**
A New Look At the Hawkins' Classification for Talar Neck Fractures. Which Features of Injury and Treatment Are Predictive of AVN?
Stephen G Reichard, MD;
Heather A Vallier, MD; Alysse J Boyd, MA;
Timothy A Moore, MD

10:35 am **PAPER #44**
A Prospective, Randomized, Controlled Trial of the Acumed Fibular Nail Versus Standard Open Reduction and Internal Fixation for Fixation of Ankle Fractures
Timothy O White, MD, FRCS;
Kate E Bugler; Paul T Appleton, MD;
Margaret M McQueen, MD;
Charles M Court-Brown, MD

10:41 am
Discussion

10:46 am **PAPER #45**
Can We Tell If the Syndesmosis is Reduced Using Fluoroscopy?
Paul Tornetta, III, MD; Scott Koenig, MD;
Gabriel Merlin; Yelena Bogdan, MD

10:52 am **PAPER #46**
Anatomic Reduction of the Syndesmosis: What Values To Trust?
Jonah Hebert-Davies, MD;
Marie-Lyne Nault, MD;
George Yves Laflamme, MD;
Stephane Leduc, MD

10:58 am **PAPER #47**
The Effect of Syndesmosis Screw Removal on the Reduction of the Distal Tibiofibular Joint: A Prospective Radiographic Study
CPT Daniel J Song, MD;
CPT Joseph T Lanzi, MD;
MAJ Adam T Groth, MD;
MAJ Matthew Drake, MD;
LTC Joseph R Orchowski, MD;
COL Kenneth K Lindell, MD

11:04 am **PAPER #48**
A Comparison of Weight-Bearing Protocols and Outcomes for Syndesmotic Ankle Fixation: Six Weeks Versus Twelve Weeks
Jeffrey E McAlister, DPM;
Jeff E Schulman, MD; Noah Oliver, DPM;
A Stephen Malekzadeh, MD;
Cary A Schwartzbach, MD;
Matthew S Levine, MD;
Daniel Dziadosz, MD;
Robert A Hymes, MD

11:10 am
Discussion

11:15 am
SATELLITE VIDEO CONFERENCE and AWARD PRESENTATION WITH ITALIAN SOCIETY OF ORTHOPAEDICS AND TRAUMATOLOGY HOSPITALS (OTODI)
Robert A. Probe, MD
OTA President

Francesco Biggi, MD
OTODI Past President

Periprosthetic Fracture Treatment: An Update (When and How to Fix the Fracture vs Implant Revision) on Hip and Knee
George J Haidukewych, MD

11:30 am
JOHN BORDER LECTURE
"Orthopaedic Trauma - My Perspective"
James F Kellam, MD

INTRODUCTION
Stephen H Sims, MD



James F Kellam, MD

12:00 pm **Lunch**
Visit Scientific Posters & Technical Exhibits

Guided Poster Tours & Lunch
(tickets required)

Women in Orthopaedic Trauma Luncheon *(tickets required)*

New Member Luncheon
(tickets required)

1:00 pm – 2:30 pm
ANNUAL MEETING CONCURRENT SESSIONS
a) Skills Labs
b) Mini Symposia
c) Scientific Session III
Basic Science Papers

SKILLS LABS

ORIF Distal Radius Fractures (F3)
Moderator: *Erik Kubiak, MD*

ORIF Distal Tibia and Fibula Fractures (F4)
Moderator: *J Tracy Watson, MD*

SIGN – Surgical Implant Generation Network (F5)

Moderator: *Lewis G Zirkle, MD*
Faculty: Duong Bunn, MD
Luigi A Sabal, MD
Robert S Schultz, MD
Faseeh Shahab, MD
Prof Shahab-uddin, MD
Carla S Smith, MD
Frederic B Wilson, Jr, MD

Schedule At-A-Glance

Wednesday, October 3

Thursday, October 4

MORNING

AFTERNOON

EVENING

6:30 - 7:00	Registration & Continental Breakfast									
7:00 - 7:30	Registration & Continental Breakfast									
7:30 - 8:00	BASIC SCIENCE FOCUS FORUM (Biomechanics) 7:25 - 9:38 AM	MASTERS LEVEL TRAUMA CODING COURSE 9:00 - 10:00 AM	INTERNATIONAL ORTHOPAEDIC TRAUMA CARE FORUM 7:45 - 10:38 AM	GRANT WRITING WORKSHOP (Mechanics of a Grant) 7:25 - 9:30 AM	ORTHOPAEDIC TRAUMA BOOT CAMP 7:00 - 9:00 AM					
8:00 - 8:30						BASIC SCIENCE FOCUS FORUM (Venous Thromboembolism) 9:55 - 11:39 AM	MASTERS LEVEL TRAUMA CODING COURSE 10:15 AM - 12:00 PM	INTERNATIONAL ORTHOPAEDIC TRAUMA CARE FORUM 10:58 AM - 12:25 PM	GRANT WRITING WORKSHOP (Supporting Documentation) 10:00 - 11:00 AM	ORTHOPAEDIC TRAUMA BOOT CAMP 9:20 AM - 12:30 PM
8:30 - 9:00										
9:00 - 9:30	BREAK	BREAK	BREAK	BREAK	BREAK					
9:30 - 10:00	BREAK	BREAK	BREAK	BREAK	BREAK					
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6:30 - 7:00	Registration & Continental Breakfast							
7:00 - 7:30	Registration & Continental Breakfast							
7:30 - 8:00	BASIC SCIENCE FOCUS FORUM (Institutional Updates) (Musculoskeletal Infection) 7:25 - 9:19 AM	YOUNG PRACTITIONERS FORUM (Overview, Fellowship, Employment, Negotiation) 8:00 - 9:51 AM	ORTHOPAEDIC TRAUMA BOOT CAMP 7:00 - 8:55 AM	BASIC SCIENCE FOCUS FORUM (Cycle of Innovation) (Clinical Research) 9:35 - 11:19 AM	YOUNG PRACTITIONERS FORUM (Tips & Tricks, Questions, Preparation, Keynote) 10:06 AM - 12:00 PM			
8:00 - 8:30						LUNCH	LUNCH with Panel Discussion 12:00 - 12:50 PM	LUNCH
8:30 - 9:00								
9:00 - 9:30	BREAK	BREAK	BREAK	BREAK	BREAK			
9:30 - 10:00	BREAK	BREAK	BREAK	BREAK	BREAK			
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7:30 - 8:00	BREAK	BREAK	BREAK	BREAK	BREAK			
8:00 - 8:30	BREAK	BREAK	BREAK	BREAK	BREAK			

EXHIBITOR BOOTHS OPEN 2:30 - 5:00 PM

ORTHOPAEDIC TRAUMA FOR NP's and PA's 1:00 - 3:00 PM

ORTHOPAEDIC TRAUMA FOR NP's and PA's 3:20 - 5:22 PM

28th ANNUAL MEETING BEGINS
WELCOME and DONOR AWARD PRESENTATIONS 1:10 - 1:20 PM
SYMPOSIUM I - IMPROVING HIP FRACTURE CARE 1:20 - 2:50 PM

BREAK - Visit Scientific Posters and Technical Exhibits

HIP FRACTURES PODIUM PRESENTATIONS 3:20 - 4:52 PM

PRESIDENT'S MESSAGE - "The Changing Value Proposition of the Orthopedic Traumatologist" Robert A. Probe, MD, OTA President 4:52 - 5:22 PM

OTA MEMBER BUSINESS MEETING 5:25 - 6:25 PM

WELCOME RECEPTION 6:30 - 8:30 PM

October 3 – 6, 2012 Minneapolis, Minnesota

Friday, October 5

Saturday, October 6

		Registration & Continental Breakfast			CASE PRESENTATIONS 6:30 - 7:45 AM	SKILLS LABS 6:30 - 7:45 AM
EXHIBITOR BOOTHS OPEN 9:00 AM - 5:00 PM	ORTHOPAEDIC TRAUMA NURSING COURSE 7:30 - 9:25 AM	ORTHOPAEDIC TRAUMA FOR NP's and PA's 8:00 - 9:30 AM	SYMPOSIUM II – AUTOMOTIVE MEDICINE AND ORTHOPAEDIC TRAUMA 8:00 - 9:30 AM			
	BREAK - Visit Scientific Posters and Technical Exhibits					
	ORTHOPAEDIC TRAUMA NURSING COURSE 10:10 AM - 12:00 PM	ORTHOPAEDIC TRAUMA FOR NP's and PA's 10:00 AM - 12:00 PM	FOOT & ANKLE PODIUM PRESENTATIONS 10:00 - 11:15 AM	MINI SYMPOSIA: a) FRAGILITY FRACTURES b) WORKERS COMPENSATION 10:00 - 11:15 AM		
	SATELLITE VIDEO CONFERENCE WITH OTODI "Periprosthetic Fracture Treatment: An Update (Fx vs Implant) on Hip and Knee" George J Haidukewych, MD 11:15 AM					
	JOHN BORDER LECTURER "Orthopaedic Trauma – My Perspective" James F Kellam, MD 11:30 AM					
	LUNCH (12:00 - 1:00 PM) and GUIDED POSTER TOURS (12:00 - 12:45 PM) Visit Scientific Posters and Technical Exhibits					
	ORTHOPAEDIC TRAUMA NURSING COURSE 1:00 PM - 2:30 PM	ORTHOPAEDIC TRAUMA FOR NP's and PA's 1:00 - 3:00 PM	BASIC SCIENCE PODIUM PRESENTATIONS 1:00 - 2:03 PM	MINI SYMPOSIA: a) INFECTIONS WITH RESISTANT BACTERIA b) PERI-PROSTHETIC FRACTURES c) US POLICY & HEALTH CARE REFORM 1:00 - 2:30 PM	SKILLS LABS 1:00 - 2:30 PM	
	BREAK - Visit Scientific Posters and Technical Exhibits					
	ORTHOPAEDIC TRAUMA NURSING COURSE 3:05 PM - 4:35 PM	BREAK	PELVIS/ ACETABULUM PODIUM PRESENTATIONS 3:00 - 4:31 PM	MINI SYMPOSIA: a) PLATEAUS and PILONS b) TOOLS and TIPS FOR MAXIMIZING PHYSICIAN ASSISTANT UTILIZATION c) COMPENSATION FORMULAS: WHAT WORKS and WHAT DOESN'T 3:00 - 4:30 PM		
		ORTHOPAEDIC TRAUMA FOR NP's and PA's 3:30 - 5:30 PM	4:31 PM ADJOURN FOR DAY			
MILITARY RECEPTION						
		Registration & Continental Breakfast			CASE PRESENTATIONS 6:30 - 7:45 AM	SKILLS LABS 6:30 - 7:45 AM
EXHIBITOR BOOTHS OPEN 9:00 AM - 1:00 PM	ORTHOPAEDIC TRAUMA FOR NP's and PA's 8:00 - 9:40 AM	FEMUR, TIBIA & KNEE PODIUM PRESENTATIONS 8:00 - 9:40 AM	MINI SYMPOSIA: a) 2 MINUTES/ 2 SLIDES: FOCUS ON PELVIS & ACETABULUM b) PREOPERATIVE NIGHTMARES 8:00 - 9:30 AM			
	BREAK - Visit Scientific Posters and Technical Exhibits					
	ORTHOPAEDIC TRAUMA FOR NP's and PA's 10:10 AM - 12:10 PM	UPPER EXTREMITY PODIUM PRESENTATIONS 10:10 AM - 12:10 PM	MINI SYMPOSIA: a) AMPUTATIONS IN TRAUMA b) MULTILIGAMENT KNEE DISLOCATION TREATMENT c) ORTHOBIOLOGICS 10:10 - 11:40 AM			
	LUNCH (12:10 - 1:15 PM) and GUIDED POSTER TOURS (12:15 - 1:00 PM) Visit Scientific Posters and Technical Exhibits					
	ORTHOPAEDIC TRAUMA FOR NP's and PA's 1:15 - 2:47 PM	TOPICS OF GENERAL INTEREST PODIUM PRESENTATIONS 1:15 - 2:47 PM	MINI SYMPOSIA: a) ALTERNATIVE SOLUTIONS IN POST-TRAUMATIC RECONSTRUCTION b) MANAGEMENT OF COMPLEX ELBOW TRAUMA c) PEDIATRIC POLYTRAUMA 1:15 - 2:45 PM			
	BREAK					
	ORTHOPAEDIC TRAUMA FOR NP's and PA's 3:17 - 4:55 PM	PEDIATRIC FRACTURES PODIUM PRESENTATIONS 3:17 - 4:03 PM				
		TIBIAL FRACTURES PODIUM PRESENTATIONS 4:03 - 4:49 PM				
		CLOSING REMARKS & ADJOURN 4:49 - 4:55 PM				

28th Annual Meeting, cont'd

Friday, October 5, 2012

1:00 pm continued

MINI SYMPOSIA

US Policy and Healthcare Reform: An Update

Moderator: *William T Obremsky, MD*

Faculty: A Alex Jahangir, MD
Steven A Olson, MD
Manish K Sethi, MD

Periprosthetic Fractures

Moderator: *Michael D McKee, MD*

Faculty: George J Haidukewych, MD
Hans J Kreder, MD
William M Ricci, MD
Emil H Schemitsch, MD

Infections with Resistant Bacteria – Are They Winning the Battle?

Moderator: *Stephen L Kates, MD*

Faculty: Volker Alt, MD
Edward Schwarz, PhD
Michael Suk, MD, JD, MPH

SCIENTIFIC SESSION III BASIC SCIENCE

Moderators: *Theodore Miclau, III, MD*
Edward J Harvey, MD

1:00 pm

PAPER #49

Intra-Articular Inhibition of Interleukin-1 Prevents Post-Traumatic Arthritis Following Articular Fracture in the Mouse Knee

Daniel S Mangiapani, MD;
Evan M Zeitler, BA;
Bridgette D Furman, BS;
Janet L Huebner, MS;
Virginia B Kraus, MD, PhD;
Farshid Guilak, PhD; Steven A Olson, MD

1:06 pm

PAPER #50

The Severity of Microvascular Dysfunction Due to Compartment Syndrome is Diminished by the Systemic Application of Co-Releasing Molecules (Corm-3)

Abdel-Rahman Lawandy, MD;
Relka Bihari, MSc;
David W Sanders, DVM, PhD;
Gediminas Cepinskas

1:12 pm

PAPER #51

Can Glucose Levels Diagnose Compartment Syndrome?

Christopher Doro, MD;
Robert V O'Toole, MD;
Thomas J Sitzman, MD

1:18 pm

Discussion

1:23 pm

PAPER #52

Local Bismuth Thiols Potentiate Antibiotics and Reduce Infection in a Contaminated Open Fracture Model

Jowan Penn-Barwell, MBBS;
Brett Baker, MSc, DC;
Joseph C Wenke, PhD

1:29 pm

PAPER #53

Eradication of Wound Contamination is Improved By Synergistic Effects of Local and Systemic Antibiotic Delivery

Ben Rand;
Jowan G Penn-Barwell, MBBS;
Joseph C Wenke, PhD

1:35 pm

PAPER #54

Chitosan: An Effective Npwt-Compatible Local Antibiotic Delivery Device

Ben Rand; Scott P Noel;
Joseph C Wenke, PhD

1:41 pm

Discussion

1:46 pm

PAPER #55

Comparison of Standard Iliosacral Screw Fixation to Transsacral Locked Screw Fixation in a Type C - Zone II Pelvic Fracture Model with Residual Fracture Site Separation

Sean Tabaie, MD; Berton R Moed, MD;
Gary Bledsoe, PhD

1:52 pm

PAPER #56

Short Segment Fixation of an L1 Compression Fracture – Four Versus Six Screws

Seth K Williams, MD; Robert P Norton, MD;
Edward L Milne, BSc;
David N Kaimrajh, MS; Frank Eismont, MD;
Loren L Latta, MD, PhD

1:58 pm

Discussion

2:30 pm

Break
Visit Scientific Posters
& Technical Exhibits

3:00 pm – 4:30 pm

ANNUAL MEETING

CONCURRENT SESSIONS

a) Mini Symposia

b) Scientific Session IV

Pelvis & Acetabulum Papers

MINI SYMPOSIA

Plateaus and Pylons: The Posterior Perspective

Moderator: *Stephen A Kottmeier, MD*

Faculty: Clifford B Jones, MD
Paul Tornetta, III, MD
J Tracy Watson, MD

Tools and Tips for Maximizing Physician Assistant Utilization

Tricia Marriott, PA-C, MPAS, DFAAPA,
Interim Vice President of Constituent
Organization Development; Director
Reimbursement Advocacy; American
Academy of Physician Assistants
Faculty: Dennis Gregory, PA
Debra Sietsema, PhD, RN
Keith Zurmehly, PA

28th Annual Meeting, cont'd

Friday, October 5, 2012

3:00 pm Mini Symposia, continued

Compensation Formulas: What Works and What Doesn't

Moderator: *William R Creevy, MD*
Faculty: Timothy J Bray, MD
M Bradford Henley, MD
Roy Sanders, MD

SCIENTIFIC SESSION IV PELVIS AND ACETABULUM

Moderators: *James A Goulet, MD*
H Claude Sagi, MD

3:00 pm **PAPER #57**

Functional Outcomes After Nonoperative Treatment of Lateral Compression Type 1 (LC-1) Pelvic Ring Injuries With Complete Sacral Fractures

Greg Gaski, MD; Robert V O'Toole, MD;
Renan Castillo, MS;
Gerard P Slobogean, MD, MPH;
Theodore T Manson, MD

3:06 pm **PAPER #58**

Core Muscle Size and Mortality Following Nonoperative Management of Pelvic Fractures

William D Scheidler, BS;
Shaun P Patel, BS; Sven A Holcombe, BS;
Stewart C Wang, MD, PhD;
James A Goulet, MD

3:12 pm
Discussion

3:17 pm **PAPER #59**
**Transiliac-Transsacral Screw Fixation
in C-Type Pelvic Ring Injuries Reduces
Postoperative Failure**

Gregory Y Blaisdell, MD;
James C Krieg, MD;
Milton L "Chip" Routt, Jr, MD

3:23 pm **PAPER #60**

Transiliac-Transsacral Screw Safe Zone Diameter in 1,091 Sacrum

John J Lee, MD; Alex Martusiewicz;
James A Goulet, MD

3:29 pm
Discussion

3:34 pm **PAPER #61**
**Is Closed Reduction and Percutaneous
Fixation of Type 3 Posterior Ring
Injuries as Accurate as Open
Reduction and Internal Fixation?**

Adam Lindsay, MD;
Paul Tornetta, III, MD;
Amna Diwan, MD;
David C Templeman, MD

3:40 pm **PAPER #62**
**Displaced Sacral Fractures:
Do Long-Term Radiological Findings
Correlate to Neurological Deficits
and Pain?**

Aron Adelved, MD;
Anna Tötterman, MD, PhD;
Thomas Glott, MD;
Johan C Hellund, MD, PhD;
Jan Erik Madsen, MD, PhD;
Olav Røise, MD, PhD

3:46 pm
Discussion

3:51 pm **PAPER #63**
**Appropriateness of Angiography and
Embolization in the Management of
High Energy Pelvic Ring Injuries**

Sean Michael Griffin, MD;
Kenneth Joseph Nelson, MD;
Bryan J Loeffler, MD; Brian P Scannell, MD;
Michael J Bosse, MD; James F Kellam, MD;
Stephen H Sims, MD;
Ronald F Sing, DO; Eric A Wang, MD

3:57 pm **PAPER #64**
**Predictors of Functional Outcome
in Operatively Treated Pelvic Ring
Fractures**

Patrick DG Henry, MD, FRCS(C);
Richard J Jenkinson, MD, FRCS(C);
Sebastian Rodriguez-Elizalde, MD, FRCS(C);
David JG Stephen, MD;
Hans J Kreder, MD, FRCS(C)

4:03 pm
Discussion

4:08 pm **PAPER #65**
**Incidence of Posterior Wall Nonunion
and Efficacy of Indomethacin
Prophylaxis for Heterotopic
Ossification After Operative Fixation of
Acetabular Fractures: A Randomized
Controlled Trial**

Charles J Jordan, MD;
Rafael Serrano-Riera, MD;
H Claude Sagi, MD

4:14 pm **PAPER #66**
**Senior Patients With Acetabular
Fractures: Surprising Epidemiology
and Mortality**

William W Cross, III, MD;
Milton L "Chip" Routt, Jr., MD;
Sean E Nork, MD; James C Krieg, MD

4:20 pm **PAPER #67**
**Predicting the Need for Arthroplasty
After Acetabular Open Reduction and
Internal Fixation**

Rebecca E Clinton, MD;
Theodore T Manson, MD;
Renan Castillo, PhD;
Robert S Sterling, MD

4:26 pm
Discussion

4:31 pm **Adjourn**

28th Annual Meeting, cont'd

Saturday, October 6, 2012

6:15 am REGISTRATION

(CC Ballroom/Main Lobby)

6:30 am – 7:45 am Concurrent Breakout Sessions

(6:15 Continental Breakfast)

SKILLS LAB

ORIF Periprosthetic Fractures of the Femur (S1)

Moderator: *Raymond R White, MD*

CASE PRESENTATIONS

Proximal Humerus Fractures

Moderator: *Michael J Gardner, MD*

Faculty: Samir Mehta, MD

Andrew H Schmidt, MD

Distal Femoral Fractures

Moderator: *Darin Freiss, MD*

Faculty: Amer J Mirza, MD

David C Templeman, MD

Heather H Vallier, MD

Post-traumatic Infection

Moderator: *Utku Kandemir, MD*

Faculty: Animesh Agarwal, MD

Bruce H Ziran, MD

Management of Physeal Fractures Around the Knee and Ankle

Moderator: *David A Podeszwa, MD*

Faculty: Christina A Ho, MD

Anthony I Riccio, MD

Robert L Wimberly, MD

Scapula Fracture Injuries and Treatment

Moderator: *William T Obrebsky, MD*

Faculty: Peter A Cole, MD

Clifford B Jones, MD

8:00 am – 9:30 am ANNUAL MEETING CONCURRENT SESSIONS

- Mini Symposia
- Scientific Session V
Femur and Tibial Fractures & Knee Injuries Papers

MINI SYMPOSIA

Two Minutes / Two Slides:

Focus on the Pelvis and Acetabulum

Moderator: *Pierre Guy, MD, MBA*

Faculty: Kelly A Lefavre, MD

Christopher G Moran, MD

Jason W Nascone, MD

H Claude Sagi, MD

Adam J Starr, MD

David J Stephen, MD

Preoperative Nightmares in Orthopaedic Trauma: Deal with It

Moderator: *John T Gorczyca, MD*

Faculty: Michael A Miranda, MD

Kevin J Pugh, MD

Michael S Sirkin, MD

Jeffrey M Smith, MD

SCIENTIFIC SESSION V FEMUR AND TIBIAL FRACTURES AND KNEE INJURIES

Moderators: *Michael J Gardner, MD*

David P Barei, MD

8:00 am **PAPER #68**
How High Can You Go? Retrograde Nailing of Proximal Femur Fractures
Lisa K Cannada, MD;
Kevin M Kuhn, MD; J Tracy Watson, MD;
Southeast Fracture Consortium

8:06 am **PAPER #69**
Gait Analysis After Retrograde and Trochanteric Entry Intramedullary Nail Fixation of Femoral Shaft Fractures
Kellen L Huston, MD; J Tracy Watson, MD;
Lisa K Cannada, MD

8:12 am **PAPER #70**
Radiographic Outcomes of Closed Diaphyseal Femur Fractures Treated With the SIGN Nail
Sasha P Carsen, MD; Si-Hyeong Park, MD;
David A Simon, MD; Robert J Feibel, MD

8:18 am
Discussion

8:23 am **PAPER #71**
Clinical and Functional Outcomes in Patients Who Sustained Bisphosphonate-Associated Complete Femur Fractures
Kenneth A Egol, MD; Ji Hae Park, BS;
Zehava Sadka Rosenberg, MD;
Valerie H Peck, MD;
Nirmal C Tejwani, MD, FRCS

8:29 am **PAPER #72**
Why are Reported Nonunion Rates After Locked Plate Fixation of Distal Femur Fractures so Variable? A Multicenter Retrospective Study of 284 Fractures
Edward K Rodriguez, MD, PhD;
Michael J Weaver, MD;
Lindsay M Herder, BA;
Jordan H Morgan, BS;
David Zurakowski, PhD;
Paul T Appleton, MD;
Mark S Vrahas, MD

8:35 am **PAPER #73**
A Comparison of More and Less Aggressive Bone Débridement Protocols for the Treatment of Open Supracondylar Femur Fractures
William M Ricci, MD; Cory A Collinge, MD;
Philipp N Streubel, MD;
Christopher M McAndrew, MD;
Michael J Gardner, MD

8:41 am
Discussion

28th Annual Meeting, cont'd

Saturday, October 6, 2012

8:46 am **PAPER #74**
Compartment Pressure Monitoring for Acute Compartment Syndrome
Margaret M McQueen, MD;
Andrew D Duckworth, MBChB, BSc (Hons);
Stuart A Aitken; Charles M Court-Brown, MD

8:52 am **PAPER 75**
Radiographic Predictors of Compartment Syndrome After Tibial Fracture
Chris Allmon, MD; Andrew Dubina;
Ebrahim Paryavi, MD, MPH;
Robert V O'Toole, MD

8:58 am **PAPER #76**
NIRS Versus Direct Pressure Monitoring of Acute Compartment Syndrome in a Porcine Model
Curtis Cathcart, DVM;
Michael S Shuler, MD;
Lt Col Brett A Freedman, MD;
Lisa Reynolds, BS RVT;
Ashley L Cole, MPH;
Thomas E Whitesides, Jr., MD;
Emily K Smith, MPH;
Steven C Budsberg, DVM DACVS

9:04 am
Discussion

9:09 am **PAPER #77**
Complications Following Tension Band Fixation of Patellar Fractures with Cannulated Screws Versus Kirschner Wires
C Max Hoshino, MD;
Wesley Huy Tran, MD; John V Tiberi, MD;
Mary Helen Black, PhD;
Bonnie H Li, MS; Stuart M Gold, MD;
Ronald A Navarro, MD

9:15 am **PAPER #78**
The Incidence of Meniscal Tears Requiring Repair in Tibial Plateau Fractures: A Review of 670 Patients
Daniel L Stahl, MD;
Rafael Serrano-Riera, MD;
Bradley Deafenbaugh, MD;
Roy Sanders, MD; H Claude Sagi, MD

9:21 am **PAPER #79**
Complications of High-Energy Bicondylar Tibial Plateau Fractures Treated With Dual Plating Through Two Incisions
Michael R Ruffolo, MD;
Harvey E Montijo, MD;
Franklin K Gettys, MD;
Rachel B Seymour, PhD;
Madhav A Karunakar, MD

9:27 am **PAPER #80**
Risk Factors for Reoperation and Mortality Following the Operative Treatment of Tibial Plateau Fractures in Ontario 1996-2009
David Wasserstein, MD, MSc;
Hans J Kreder, MD, MPH, FRCSC;
Michael Paterson, MSc;
Richard J Jenkinson, MD, FRCSC

9:33 am
Discussion

9:40 am Break
Visit Scientific Posters & Technical Exhibits

10:10 am – 11:40 am
ANNUAL MEETING CONCURRENT SESSIONS
a) Mini Symposia
b) Scientific Session VI
Upper Extremity Injuries

MINI SYMPOSIA

Amputations in Trauma: Getting the Most Out of Your Limb
Moderator: *Lisa K Cannada, MD*
Faculty: Romney C Andersen, MD, Col, MC
Paul J Dougherty, MD
Rahul Vaidya, MD

Orthobiologics: Where Do They Fit In Your Practice?
Moderator: *Ross K Leighton, MD*
Faculty: Mohit Bhandari, MD, PhD
Michael D McKee, MD
Thomas A Russell, MD

Multiligament Knee Dislocation Treatment
Moderator: *William T Obremskey, MD*
Faculty: Gregory C Fanelli, MD
James P Stannard, MD

SCIENTIFIC SESSION VI UPPER EXTREMITY INJURIES

Moderators: *Michael D McKee, MD*
Kyle J Jeray, MD

10:10 am **PAPER #81**
Radial Head Instability Following Malalignment of the Proximal Ulna: A Biomechanical Study
Emilie Sandman, MD;
Fanny Canet, Ing. Jr., MScA;
Yvan Petit, PhD;
George-Yves Laflamme, MD, FRCSC;
George S Athwal, MD, FRCSC;
Dominique M Rouleau, MD, MSc, FRCSC

10:16 am **PAPER #82**
Ulnar Variance as a Predictor of Persistent Instability Following Galeazzi Fracture-Dislocations
Richelle Carrie Takemoto, MD;
Igor Immerman, MD; Michelle Sugi, MD;
Nirmal C Tejwani, MD, FRCS;
Kenneth A Egol, MD

10:22 am
Discussion

10:27 am **PAPER #83**
Pathoanatomical Considerations and Implications of Heterotopic Ossification Following Surgical Treatment of Elbow Trauma
George S Dyer, MD; Bryce Gillespie, MD

28th Annual Meeting cont'd

Saturday, October 6, 2012

10:33 am **PAPER #84**
Nonoperative Management of Displaced Olecranon Fractures
Andrew D Duckworth, MBChB,BSc (Hons);
Kate E Bugler;
Nicholas D Clement, MBBS;
Charles M Court-Brown, MD;
Margaret M McQueen, MD

10:39 am
Discussion

10:44 am **PAPER #85**
Minimally Displaced Clavicle Fracture on Initial Trauma Survey: A Benign Injury?
John Riehl, MD; Bill Athans, MD;
Mark Munro, MD; Joshua Langford, MD;
Stanley Kupiszewski, MD;
George J Haidukewych, MD;
Kenneth J Koval, MD

10:50 am **PAPER #86**
Progressive Displacement After Clavicle Fracture: An Observational Study
Erich M Gauger, MD;
Aaron R Jacobson, DC;
Ryan E Will, MD; Peter A Cole, MD

10:56 am **PAPER #87**
Prognostic Factors for Reoperation Following Plate Fixation of Fractures of the Midshaft Clavicle
Laura A Schemitsch; Emil H Schemitsch, MD;
Paul R Kuzyk, MD; Michael D McKee, MD;
Milena R Vicente, RN, CCRP

11:02 am
Discussion

11:07 am **PAPER #88**
Four-Part Fractures of the Proximal Humerus: Outcomes of Surgical and Nonsurgical Management
Brian D Solberg, MD;
David A Friedberg, MD;
Dennis P Franco, MD

11:13 am **PAPER #89**
Fractures of the Greater Tuberosity of the Humerus: A Study of Associated Rotator Cuff Injury and Atrophy
LuoJun Wang; Jennifer Mutch;
George-Yves Laflamme, MD;
Nicola Hagemeister;
Dominique M Rouleau, MD

11:19 am **PAPER #90**
The Impact of Preoperative Coronal Plane Deformity on Proximal Humerus Fixation With Endosteal Augmentation
Milton Thomas Michael Little, MD;
Marschall B Berkes, MD;
Patrick Schottel, MD;
Lionel Enrique Lazaro, MD;
Lauren E Lamont, MD; Nadine Pardee;
David L Helfet, MD; Dean G Lorich, MD

11:25 am
Discussion

11:30 am **PAPER #91**
Operative Versus NonOperative Treatment of Acute Dislocations of the Acromioclavicular Joint: Results of A Multicentre Randomized, Prospective Clinical Trial
Michael D McKee, MD;
Stéphane Pelet, MD, PhD, FRCSC;
Milena R Vicente, RN, CCRP;
Canadian Orthopaedic Trauma Society

11:36 am **PAPER #92**
Acute Compartment Syndrome of the Forearm
Andrew D Duckworth, MBChB,BSc (Hons);
Sarah E Mitchell, MRCSEd;
Samuel G Molyneux, MRCSEd;
Timothy O White, MD, FRCS;
Charles M Court-Brown, MD;
Margaret M McQueen, MD

11:42 am **PAPER #93**
Cast Immobilization With and Without Immobilization of the Thumb for Nondisplaced Scaphoid Waist Fractures: A Multicenter Randomized Controlled Trial
Geert A Buijze, MD; J Carel Goslings, MD;
Steven J Rhemrev, MD;
Alexander A Weening, MD;
Bart Van Dijkman, MD;
Job N Doornberg, MD;
David C Ring, MD, PhD ;
CAST (Collaborative Ankle Support Trial) Collaboration

11:48 am
Discussion

11:53 am **PAPER #94**
The Correlation of Age and Short-Term Outcomes in Patients Who Have Undergone Operative Fixation of Distal Radius Fractures
John W Karl, MD, MPH;
Patrick R Olson, MD, MS, MPH;
Melvin P Rosenwasser, MD

11:59 am **PAPER #95**
Alignment in Nonoperatively Treated Distal Radius Fractures: Are Our Current Predictors Predictive?
Joey Lamartina, MD;
Paul Tornetta, III, MD;
Charlton Stucken, MD; Andrew Jawa, MD

12:05 pm
Discussion

12:10 pm **Lunch**
Last Chance to Visit Scientific Posters & Technical Exhibits

Guided Poster Tours & Lunch
(tickets required)

28th Annual Meeting, cont'd

Saturday, October 6, 2012

1:15 pm – 2:45 pm
ANNUAL MEETING
CONCURRENT SESSIONS

- a) Mini Symposia
- b) Scientific Session VII
Topics of General Interest

MINI SYMPOSIA

Alternative Solutions in Post-Traumatic Reconstruction: I Need to Make Bone

Moderator: *Samir Mehta, MD*
Faculty: Stephen Kovach, MD
L Scott Levin, MD
Stephen M Quinnan, MD
Robert D Zura, MD

Pediatric Polytrauma: Navigating Gator Country

Moderator: *Charles T, Mehlman, DO, MPH*
Faculty: Richard Falcone, Jr, MD
Steven L Frick, MD

Management of Complex Elbow Trauma

Moderator: *Kagan Ozer, MD*
Faculty: Jeffrey F Lawton, MD
Rick Papandrea, MD

SCIENTIFIC SESSION VII TOPICS OF GENERAL INTEREST

Moderators: *Gregory T Altman, MD*
Robert V O'Toole, MD

1:15 pm **PAPER #96**
**Optimal Timing for Femoral Shaft
Fracture Fixation Depends on Injury
Severity Score and Age**
Sara C Graves, MD;
Robert Victor Cantu, MD;
Kevin F Spratt, PhD

1:21 pm **PAPER #97**
**Six Years' Experience With the
Reamer-Irrigator-Aspirator: Impact on
Healing and Pulmonary Complications
Rates in Femoral Shaft Fractures**
Anthony J Bell, MD; Pratik P Desai, MD;
Michael Suk, MD, JD, MPH

1:27 pm **PAPER #98**
**Duration of Fracture Fixation Surgery
in Multitrauma Patients**
Christopher E Mutty, MD;
Lars M Qvick, MD; Mark J Anders, MD;
Cathy M Buyea, MS
Lawrence B Bone, MD

1:33 pm
Discussion

1:38 pm **PAPER #99**
**Risk of Obtaining Routine
Cultures During Presumed Aseptic
Orthopaedic Procedures**
Matthew Napierala, MD;
Jaime L Bellamy, DO; Clinton K Murray, MD;
Joseph C Wenke, PhD; Joseph R Hsu, MD

1:44 pm **PAPER #100**
**Rapid Polymerase Chain Reaction
Test for Methicillin-Resistant
Staphylococcus aureus Colonization
In Orthopaedic Trauma**
Holman Chan, MD; John P Ketz, MD;
Catherine A Humphrey, MD;
Jonathan M Gross, MD;
Robert F Betts, MD;
John T Gorczyca, MD

1:50 pm **PAPER #101**
**Conventional Compressive Dressings
Superior to Negative Pressure
Dressings for
Split-Thickness Skin Graft Coverage
of Traumatic Extremity Wounds**
Laurence B Kempton, MD;
Timothy Larson, MD;
Harvey Montijo, MD; Stephen H Sims, MD;
Madhav A Karunakar, MD;
Stanley Getz, MD; James F Kellam, MD;
Michael J Bosse, MD

1:56 pm
Discussion

2:01 pm **PAPER #102**
**Utilization of Two Grading Systems in
Determining Risk Associated
With Fracture Fixation in Multiply-
Injured Patients**
Nickolas J Nahm, MD; Heather A Vallier, MD;
Timothy A Moore, MD

2:07 pm **PAPER #103**
**The Influence of Insurance Status
on the Surgical Treatment of Acute
Spinal Fractures**
Michael Christopher Daly, MSc;
S Samuel Bederman, MD, PhD, FRCSC

2:13 pm **PAPER #104**
**Prevalence of Vitamin D Insufficiency
in Orthopaedic Trauma Patients**
Brett D Crist, MD, FACS;
Michael A Hood, MD;
Gregory J Della Rocca, MD, PhD;
James P Stannard, MD;
David A Volgas, MD; Yvonne M Murtha, MD

2:19 pm
Discussion

2:24 pm **PAPER #105**
**The Cost Effectiveness and Utility
of Trauma Center Care Following
Major Lower Extremity Trauma**
Herman S Johal, MD, MPH;
Ellen J MacKenzie, PhD

2:30 pm **PAPER #106**
**Operating Room Efficiency: Benefits
of an Orthopaedic Traumatologist at
a Level II Trauma Center**
Peter Althausen, MD;
Daniel John Coll, MHS, PA-C;
Timothy J O'Mara, MD; Timothy J Bray, MD

2:36 pm **PAPER #107**
**The Promis Physical Function
Computer Adaptive Test is as
Reliable and Valid as the Short
Musculoskeletal Function Assessment
in the Orthopaedic Trauma
Population With Less Ceiling Effect**
Man Hung, PhD; Thomas F Higgins, MD;
Charles L Saltzman, MD; Ami Stuart, PhD;
Shirley Hon; Stefan Rhodewalt;
Ashley M Woodbury, BS;
Gregory M Daubs, BS; Erik Kubiak, MD

2:42 pm
Discussion

2:47 pm Break

28th Annual Meeting, cont'd

Saturday, October 6, 2012

3:17 pm – 4:03 pm SCIENTIFIC SESSION VIII PEDIATRIC FRACTURES

Moderators: *Victor A de Ridder, MD*
Kelly L VanderHave, MD

3:17 pm PAPER #108 Epidemiology of Vascular Complications in Supracondylar Humerus Fractures in the United States

Joshua Roehrich, MD;
Charles T Mehlman, DO; Jun Ying, PhD

3:23 pm PAPER #109 Complications of Retained Hardware After Plate Fixation of the Pediatric Forearm

Bryan Vopat, MD; Peter Fitzgibbons, MD;
Patrick Martin Kane, MD;
Christopher Got, MD; Julia A Katarincic, MD

3:29 pm PAPER #110 Both-Bone Forearm Fractures in Children and Adolescents: Which Fixation Strategy is Superior? A Systematic Review

Keith Baldwin, MD, MSPT, MPH;
Martin J Morrison, III, MD;
Lauren A Tomlinson, BS; John M Flynn, MD

3:35 pm Discussion

3:40 pm PAPER #111 SCRATCH (Self Cast Removal at the Child's Home): Treatment of Stable Pediatric Forearm Fractures Using Home Removable Casts Compared With Traditional Cast Therapy: A Prospective Randomized Controlled Trial

Thomas William Hamilton;
Lynn Hutchings, MRCS; Jennie Wakefield;
Joseph Alsousou, MRCS;
Elizabeth Tutton; Emma Hodson;
Clare Smith; Bridget Gray;
Susanna Symonds; Keith M Willett, MD

3:46 pm PAPER #112 Do Any Factors Influence the Development of Femoral Head Osteonecrosis in Pediatric Femoral Neck Fractures?

Patrick M Riley, Jr, MD
Melanie A Morscher, BS;
M David Gothard, MS;
Patrick M Riley, MD

3:52 pm PAPER #113 Salter-Harris II Fractures of the Distal Tibia: Does Surgical Management Reduce the Risk of Premature Physal Closure?

Franco Russo; Molly A Moor, MPH;
Scott J Mubarak, MD; Andrew T Pennock, MD

3:58 pm Discussion

4:03 pm – 4:49 pm SCIENTIFIC SESSION IX TIBIAL FRACTURES

Moderators: *Thomas F Higgins, MD*
Theodore T Manson, MD

4:03 pm PAPER #114 Character, Incidence and Predictors of Knee Pain and Activity After Imn of an Isolated Tibia Fracture

William T Obremskey, MD, MPH;
Julie Agel, ATC; Kristin A Swygert, PhD;
Paul Tornetta, III, MD;
SPRINT Investigators

4:09 pm PAPER #115 Intramedullary Nailing of the Tibia via a Suprapatellar Approach: Radiographic Results and Clinical Outcomes at a Minimum of 12 Months Follow-Up

Charles J Jordan, MD;
Thomas G DiPasquale, DO;
H Claude Sagi, MD;
John A Arrington, MD; Roy Sanders, MD

4:15 pm PAPER #116 Intramedullary Nailing for Distal Tibial Fractures

Martin F Hoffmann, MD;
Michelle B Mulder, BS;
Debra L Sietsema, PhD, RN;
Clifford B Jones, MD, FACS

4:21 pm Discussion

4:26 pm PAPER #117 Validation of the OTA Open Fracture Classification With Data from a Prospective Cohort Study of Limb Threatening Tibia Fractures

Clifford B Jones, MD;
Renan C Castillo, PhD;
Anthony R Carlini, MS;
Debra L Sietsema, PhD, RN;
MAJ Kenneth J Nelson, MD;
LTC Anthony E Johnson, MD;
Michael J Bosse, MD;
Ellen J MacKenzie, PhD
for the LEAP Study Group

4:32 pm PAPER #118 Soft Tissue Injury Predictors of Amputation Following Severe Open Tibia Fractures

Kenneth Joseph Nelson, MD;
Anthony E Johnson, MD; Renan Castillo,
MS; Anthony R Carlini, MS;
Clifford B Jones, MD, FACS;
Michael J Bosse, MD;
Ellen J MacKenzie, PhD

4:38 pm PAPER #119 Predictive Radiographic Markers for Concomitant Ipsilateral Ankle Injuries in Tibial Shaft Fractures

Patrick Schottel, MD;
Marshall B Berkes, MD;
Milton Thomas Michael Little, MD;
Lionel Enrique Lazaro, MD;
David L Helfet, MD; Dean G Lorich, MD

4:44 pm Discussion

4:49 pm Closing Remarks

4:55 pm Adjourn



Concurrent Courses

Orthopaedic Trauma for NPs and PAs34 - 36

Michael T Archdeacon, MD, Chair,
Daniel J Coll, MHS, PA-C and Clifford B Jones, Co-Chairs

Orthopaedic Trauma Nursing Course 37

Paul J Dougherty, MD and Mary K Wollan, BAN,RN,ONC, Co-Chairs
Lloyd Wright, RN,BSN,RNFA,CNOR and Ashley A Raidl, CST, Planning Committee

Michael T Archdeacon, MD, Chair
Daniel J Coll, MHS, PA-C and
Clifford B Jones, Co-Chairs

Attendees of this activity can earn
20.25+ AMA PRA Category I Credits™.



Target Audience

This course is intended for PAs and NPs who are practicing in orthopaedics inpatient/outpatient or caring for orthopaedic injuries in ER/UC/General Trauma Services.

Forum Objectives

- 1) Integrate strategies for the care and management of patients with hip fractures.
- 2) Demonstrate and apply surgical skills for hip fracture fixation and stabilization.
- 3) Recognize the associations between automobile accidents and orthopaedic trauma, and identify common orthopaedic injuries in automobile trauma.
- 4) Discuss the soft tissue injuries encountered with tibia fractures, and critique treatments algorithms for tibial fx.
- 5) Compare and contrast fractures and treatment strategies for fractures about the ankle.
- 6) Recognize and review the treatments and complications encountered with amputation surgery.
- 7) Examine preoperative conditions that may compromise outcomes in orthopaedic trauma care.
- 8) Employ and critique surgical skills involved in tibial nailing, lower extremity external fixation application and fixation of pilon fractures.

Thursday, October 4, 2012

Program

1:00 pm
OVERVIEW
Michael T Archdeacon, MD,
Chair

1:20 pm – 2:50 pm
SYMPOSIUM 1
IMPROVING HIP
FRACTURE CARE*

Moderator: *Christopher G Moran, MD*
Faculty: *Kjell Matre, MD*
Stephen L Kates, MD
Keith M Willett, MD
Lau Tak Wing, MD

This symposium will look at the worldwide epidemiology of hip fractures and review the results of large, National Hip Fracture Registries giving level-1 epidemiological evidence. Methods of improving standards of care through audit and financial incentive will be discussed with practical suggestions on improving hip fracture care in the USA and other countries.

**Joint Annual Meeting Session*

3:00 pm Break
Visit Scientific Posters
& Technical Exhibits

3:20 pm
HIP FRACTURE SKILLS LABS
Moderator: *Hassan R Mir, MD*
(2 40-minute rotations)
Hip Screw and Side Plate and IM Nail
Faculty: *Ryan P Finnan, MD*

Hip IM Nail
Faculty: *Hassan R Mir, MD*

4:52 pm
PRESIDENT'S
MESSAGE*
"The Changing
Value Proposition
of the Orthopaedic
Traumatologist"
Robert A Probe, MD
OTA President

Introduced by his
fellowship mentor
Ronald W Lindsey, MD

**Joint Annual*
Meeting Session



Robert A Probe, MD

5:25 pm
OTA BUSINESS MEETING
OTA Members Only

6:30 pm
WELCOME RECEPTION

Join the OTA for cocktails and a generous assortment of hors d'oeuvres at Windows on Minnesota. Windows is located on the 50th floor of the Marquette hotel, a short walk from the Convention Center.



Orthopaedic Trauma for NPs and PAs, cont'd

Friday, October 5, 2012

Friday,
October 5, 2012

6:30 am – 7:45 am Concurrent Sessions

(6:15 Continental Breakfast)

SKILLS LABS*

Joint-spanning External Fixator for Temporizing Articular Fractures (F1)

Moderator: *Cory A Collinge, MD*

ORIF Distal Femur Fractures (F2)

Moderator: *David P Barei, MD*

CASE PRESENTATIONS*

Coding Update with Case-Based Learning

Moderator: *William R Creevy, MD*

Faculty: *J Scott Broderick, MD*

M Bradford Henley, MD

Pelvis and Acetabulum

Moderator: *Paul Tornetta, III, MD*

Faculty: *Thomas F Higgins, MD*

Robert F Ostrum, MD

Philip R Wolinsky, MD

Pediatric Femur Fractures

Moderator: *Enes Kanlic, MD, PhD*

Faculty: *Amr A Abdelgawad, MD*

J Eric Gordon, MD

Marc F Swiontkowski, MD

Proximal Humerus Fractures

Moderator: *Utku Kandemir, MD*

Faculty: *Michael J Gardner, MD*

John T Gorczyca, MD

Michael D McKee, MD

Milan K Sen, MD

*Joint Annual Meeting Session

8:00 am – 9:30 am

SYMPOSIUM II AUTOMOTIVE MEDICINE AND ORTHOPAEDIC TRAUMA*

Moderator: *James A Goulet, MD*

This symposium will explore the impact of lives lost and altered by automotive trauma, as well as the strides made in preventing or limiting serious injury associated with vehicle collisions. Partnerships between the automotive industry, crash researchers, rapid responder systems, and surgeons have played a critical role in reducing the morbidity and mortality associated with vehicle collisions.

*Joint Annual Meeting Session

9:30 am

Break

Visit Scientific Posters &
Technical Exhibits

10:00 am

INDEPENDENT CURRICULUM WITH DIDACTIC LECTURES AND SMALL GROUP SESSIONS

Moderator: *Christina L Boulton, MD*

Tibia Fractures: Issues, Dilemmas and Treatment Strategies

10:00 am

Open Tibia Fractures

10:15 am

Compartment Syndrome

10:30 am

Ex Fix and Staged Treatment for Plateaus/Pilons

10:45 am

Tibial Nailing - Entry Portals, Reduction Techniques and Blocking Screws

11:00 am

Tibia Fracture Case Discussions

11:30 am

JOHN BORDER LECTURE*

"Orthopaedic
Trauma -
My Perspective"
James F Kellam, MD



James F Kellam, MD

INTRODUCTION

Stephen H Sims, MD

*Joint Annual
Meeting Session

12:00 pm

Lunch

Visit Scientific Posters
& Technical Exhibits

Guided Poster Tours & Lunch (tickets required)

1:00 pm

INDEPENDENT CURRICULUM WITH DIDACTIC LECTURES AND SMALL GROUP SESSIONS

Moderator: *Timothy J Bray, MD*

Fractures About the Ankle: Problems and Solutions

Orthopaedic Trauma for NPs and PAs, cont'd

Friday, October 5, 2012

Saturday,
October 6, 2012

1:00 pm

**Simple Treatment Outlines -
Biomalleolar, Trimalleolar
and Syndesmosis**

1:15 pm

**Osteoporotic Ankle Fractures -
Tips and Tricks**

1:30 pm

**Ankle Fractures in Diabetic Patients -
Preventing Amputation**

1:45 pm

**Pilon Fractures - Medial,
Anterior-Lateral or Posterior
Approach**

2:00 pm

Ankle Fracture Case Discussions

Peter Althausen, MD,
Timothy J Bray, MD;
Daniel Coll, MHS, PA-C;
Timothy J O'Mara, MD

3:00 pm

Break
Visit Scientific Posters &
Technical Exhibits

3:30 pm

SKILLS LABS

(3 40-minute rotations)

Tibia Fractures - IM Nailing

Moderator: *Christopher M McAndrew, MD*

Spanning Knee / Ankle Ex Fix

Moderator: *Anthony F Skalak, MD*

**Simple Pilon - Median and Anterior-
Lateral Plating**

Moderator: *Anna N Miller, MD*

5:30 pm

Adjourn

6:30 am – 7:45 am Concurrent Breakout Sessions

(6:15 Continental Breakfast)

SKILLS LAB*

**ORIF Periprosthetic Fractures of
the Femur (S1)**

Moderator: *Raymond R White, MD*

CASE PRESENTATIONS*

Proximal Humerus Fractures

Moderator: *Michael J Gardner, MD*

Faculty: Samir Mehta, MD

Distal Femoral Fractures

Moderator: *Darin Freiss, MD*

Faculty: Amer J Mirza, MD
David C Templeman, MD
Heather H Vallier, MD

Post-Traumatic Infection

Moderator: *Utku Kandemir, MD*

Faculty: Animesh Agarwal, MD
Bruce H Ziran, MD

**Management of Physeal Fractures
Around the Knee and Ankle**

Moderator: *David A Podeszwa, MD*

Faculty: Christine A Ho, MD
Anthony I Riccio, MD
Robert L Wimberly, MD

**Scapula Fracture Injuries and
Treatment**

Moderator: *William T Obrebsky, MD*

Faculty: Peter A Cole, MD
Clifford B Jones, MD

**Joint Annual Meeting Session*

8:00 am

PRACTICE INCORPORATION SYMPOSIUM

**Tools and Tips for Maximizing
Physician Assistant Utilization**

Tricia Marriott, PA-C, MPAS, DFAAPA,
Interim Vice President of Constituent
Organization Development; Director
Reimbursement Advocacy; American
Academy of Physician Assistants

Faculty: Keith Zurmehly, PA;
Debra Sietsema, PhD, RN;
Dennis Gregory, PA

9:40 am

Break
Visit Scientific Posters
& Technical Exhibits

10:10 am – 11:40 am MINI SYMPOSIUM*

Amputations in Trauma:

Getting the Most Out of Your Limb

Moderator: *Lisa K Cannada, MD*

Faculty: Romney C Andersen, MD, Col, MC
Paul J Dougherty, MD
Rahul Vaidya, MD

**Joint Annual Meeting Session*

11:42 am

ANNUAL MEETING MINI SYMPOSIA and SCIENTIFIC SESSIONS (p. 30)

4:55 pm

Adjourn

Paul J Dougherty, MD and Mary K Wollan, BAN, RN, ONC, Co-Chairs
Lloyd Wright, RN, BSN, RNFA, CNOR
and Ashley A Raidl, CST,
Planning Committee

This program has been designed to meet ANCC criteria for 7.25 contact hours of continuing Orthopaedic Nursing Education.



Target Audience

Operating room nurses, perioperative nurses and surgical technicians.

Course Objectives

- 1) Describe the role of teamwork related to successful and consistent patient care
- 2) Discuss the increasing prevalence of osteoporosis and its influence on present and future patient care
- 3) Demonstrate the principles of hip fracture surgical care
- 4) Identify the basic orthopaedic trauma implants including intramedullary nail, plates and screws, external fixation
- 5) Discuss the key factors involved in surgical site preparation and surgical instrument sterilization

Friday, October 5, 2012

Program

6:30 am **Registration and Continental Breakfast**
(CC Ballroom/Main Lobby)

7:30 am **Orthopaedic Trauma: Working as a Team**
Paul J Dougherty, MD

7:50 am **Osteoporosis: Causes, Consequences and Treatment**
Kris Todd-Reisnour, FNP

8:45 am **Operating Room Sterilization of Equipment and Implants: What you Don't Know Could Hurt**
Shawn N Murphy, RN, BSN

9:25 am **Break**
Visit Scientific Posters & Technical Exhibits

10:10 am **Hip Fractures: The Good, The Bad and The Ugly; Femoral Neck Fractures; Intertrochanteric Fractures**
David C Templeman, MD

11:00 am **LAB: Cephomedullary Nail, Compression & Hip Screw**
David C Templeman, MD,
Paul J Dougherty, MD,
Leslie J Gullahorn, MD

12:00 am **Lunch**

1:00 pm **Principles of Plates and Screws (Including Locking Plates)**
Leslie J Gullahorn, MD

1:25 pm **LAB: Plates and Screws (Cortical and Cancellous Screws, DCP, Buttress Plate and Locking Plate)**
David C Templeman, MD,
Paul J Dougherty, MD,
Leslie J Gullahorn, MD

2:00 pm **Operative Site Surgical Prep of the Patient: What's the Evidence?**
Lloyd Wright, RN

2:30 pm **Break**
Visit Scientific Posters & Technical Exhibits

3:05 pm **Principles of External Fixation: Simple Constructs You Should Know**
Paul J Dougherty, MD,

3:25 pm **LAB: External Fixation**
David C Templeman, MD,
Paul J Dougherty, MD,
Leslie J Gullahorn, MD

4:05 pm **Intramedullary Nailing of the Femur and Tibia: Do's and Don'ts**
David C Templeman, MD,
Paul J Dougherty, MD,
Leslie J Gullahorn, MD

4:35 pm **Adjourn**

Thursday, October 4, 2012

11:15 am - 12:45 pm

INDUSTRY SYMPOSIA

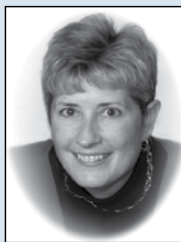
(Lunch included)

Take advantage of this opportunity to learn of new products and/or surgical equipment demonstrations. Visit the online registration at www.ota.org for details.

Friday, October 5, 2012

12:00 Noon
LUNCH SESSIONS

KATHY CRAMER, MD
MEMORIAL
WOMEN IN
ORTHOPAEDIC
TRAUMA
LUNCHEON/
MEETING
(tickets required)



Co-Chairs:
Jacqueline J Krumrey, MD
Laura S Phieffer, MD

Friday, October 5, 2012

12:00 Noon
LUNCH SESSIONS, cont'd



**NEW
MEMBER
LUNCHEON**
(tickets required)

OTA Membership Committee:
Nirmal Tejwani, Chair,
Richard Buckley, Robert Dunbar,
David Sanders and Robert Zura invite new and prospective OTA members to the OTA New Members Lunch. Come learn about membership benefits, volunteer opportunities and pick up OTA public service materials.

Guided Poster Tours

NEW

(tickets required)

Don't miss the opportunity for a guided poster tour at this year's Annual Meeting. Registration required and space limited.

Friday, October 5
12:00 Noon - 12:45 pm
Pelvis and Acetabulum (P1)
Leader: *Paul Tornetta, III, MD*

Lower Extremity (P2)
Leader: *Roy Sanders, MD*

Saturday, October 6
12:15 pm - 1:00 pm
Upper Extremity (P3)
Leader: *David C Ring, MD*

General Interest / Polytrauma / Geriatrics (P4)
Leader: *Lisa K Cannada, MD*

E-Posters

Run out of time for posters? No problem... visit the OTA website to view 2012 Annual Meeting E-Posters.

Please share the following excellent educational opportunity with residents.

COMPREHENSIVE FRACTURE COURSE FOR RESIDENTS October 3 - 6, 2012 Minneapolis Convention Center

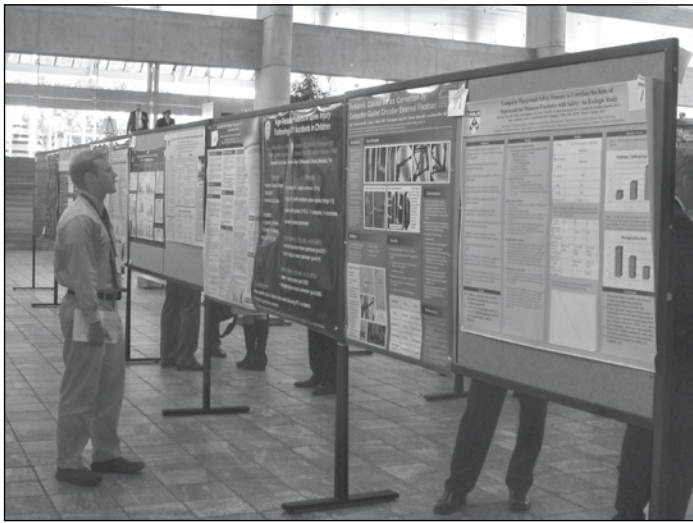
Co-chairs: *Michael T Archdeacon, MD*
Kyle J Jeray, MD

It would be difficult to match the collective knowledge, experience, and commitment to teaching of the outstanding faculty!



Michael Archdeacon, MD

Visit www.ota.org for preliminary program and online registration.



Scientific Posters

Convention Center – Exhibit Hall

viewing times: Thursday 2:30 pm - 5:00 pm
Friday 6:30 am - 5:00 pm
Saturday 6:30 am - 1:30 pm

Technical Exhibits

Convention Center – Exhibit Hall

will be open: Thursday 2:30 pm - 5:00 pm
Friday 9:00 am - 5:00 pm
Saturday 9:00 am - 1:30 pm



CME Credit

The Orthopaedic Trauma Association and the American Academy of Orthopaedic Surgeons jointly sponsor the scientific presentations at this 28th Annual Meeting.

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the American Academy of Orthopaedic Surgeons and the Orthopaedic Trauma Association. The American Academy of Orthopaedic Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

The American Academy of Orthopaedic Surgeons designates this educational activity for a

maximum of **19.25+ AMA PRA Category 1 Credits™**. Physicians should only claim credit commensurate with the extent of their participation in the activity.

The **BASIC SCIENCE FOCUS FORUM** offers a maximum of **11.25 AMA PRA Category 1 Credits™**.

The **ORTHOPAEDIC TRAUMA BOOT CAMP** offers a maximum of **14.5 AMA PRA Category 1 Credits™**.

The **GRANT WRITING WORKSHOP** offers a maximum of **8 AMA PRA Category 1 Credits™**.

The **INTERNATIONAL ORTHOPAEDIC TRAUMA CARE FORUM** offers a maximum of **8 AMA PRA Category 1 Credits™**.

The **MASTERS LEVEL TRAUMA CODING COURSE** offers a maximum of **6 AMA PRA Category 1 Credits™**.

The **YOUNG PRACTITIONERS FORUM** offers a maximum of **4.25 AMA PRA Category 1 Credit™**.

The **ORTHOPAEDIC TRAUMA FOR NPs and PAs COURSE** offers a maximum of **20.25 AMA PRA Category 1 Credits™**.

The **ORTHOPAEDIC TRAUMA NURSING COURSE** offers a maximum of **7.25 Contact Hours of continuing Orthopaedic Nursing Education**.

Pre-registration deadlines: September 4, 2012 (mail)
September 10, 2012 (online)

Disclaimer

The material presented at the 28th 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.

The Orthopaedic Trauma Association disclaims any and all liability for injury or other damages resulting to any individual attending the Annual Meeting 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.

Disclosure

Presenters are required to disclose whether or not they, or their department, received something of value from a commercial or other party which related directly or indirectly to the subject of their presentation. This disclosure is indicated in the final program. The OTA does not intend this identification to decrease the value of the presentation or to imply bias. It is intended solely for information.

FDA

All drugs and medical devices used in the United States are administered in accordance with 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 Orthopaedic Trauma Association 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 he or she wishes to use in clinical practice.

Course Location

Minneapolis is a blend of natural beauty and urban sophistication with 200 miles of walking, biking, and ski trails within city limits and just steps from world class museums, restaurants, shopping, and art venues. The city features more than 180 parks and 22 lakes. The downtown area, which overlooks the Mississippi River, boasts an 8-mile climate controlled skyway system which links 80 blocks of hotels, restaurants, theatres, entertainment, and shopping malls. Fall is one of the most beautiful times to visit Minneapolis as visitors can enjoy impressive autumn colors and enjoy a variety of outdoor activities packing only a light jacket. The average high temperature for October is 59 degrees, with lows reaching 40 degrees.



*Spoonbridge and Cherry,
Minneapolis Sculpture Garden
Claes Oldenburg and Coosje van Bruggen
©Meet Minneapolis*

*Weisman Art Center at University Minnesota
©Meet Minneapolis*

28th Annual Meeting Registration and Additional Information, cont'd

Accommodations

**Deadline for reservations:
September 10, 2012**

The OTA has secured discounted room rates at the Hilton Hotel and the Hyatt Hotel. Reservations should be made no later than September 10.

The Annual Meeting and all pre-meeting events will take place at the Convention Center.

Rates:

Hilton Hotel -

Single/Double = \$215.00 + tax

Hyatt Hotel -

Single/Double = \$209.00 + tax

- Book your hotel reservations through Conference Direct, the OTA's official housing company.
- Follow the hotel reservation link on the OTA website <http://www.ota.org>, for easy, online booking. If you have any questions about your hotel reservations, you can reach Conference Direct at 877-632-8165. Monday - Friday, 8:30 am - 5:30 pm EST or via email: OTA@conferencedirect.com.

Hotel rooms may sell out quickly - don't delay!



Hilton
Hotel



Hyatt
Hotel

opening their doors in 1976. CorpTrav Management Group will append any discount related to your meeting, as applicable.

Service Fees:

\$32 USD domestic

- Booking with a professional travel agent (via phone or email) In addition to your travel reservations, your service fee provides you with:
 - 24/7/365 travel assistance with a live travel agent
 - \$200,000 USD in flight insurance

Ground Transportation

To/From Airport

Minneapolis-St. Paul Int'l (MSP)
The airport is approximately 13 miles from the downtown business

district with a travel time of about 20 minutes.

Light Rail

Getting around Minneapolis is a breeze with 18 rail stations between the entertainment-packed Warehouse District in downtown Minneapolis and the shopper's paradise - Mall of America in Bloomington. With additional stops at the Minneapolis/St. Paul International Airport, Historic Fort Snelling, restaurants along Hiawatha Avenue, the H.H.H. Metrodome and various locations along 5th Street in downtown - the Hiawatha Line can provide a full day of entertainment and still get you to the airport on time!

Visit Metro Transit's website:
<http://www.metrotransit.org/rail/index.asp>.

Alternate Transportation

Shuttle service is available through SuperShuttle. A shared ride is \$16 total for one way and \$28 round trip including fuel surcharge. A professionally-staffed SuperShuttle desk is located on the right side of the ground transportation center of the Minneapolis-St. Paul International Airport.

Taxi service is available. A special rate is available through Airport-Taxi. The flat rate of \$34.25 is available from the airport to downtown, and the return rate is \$30. You must call (763) 592-6475 once you have your luggage to take advantage of this offer.

Airline Reservations

Special meeting discounts available through United Airlines can be obtained by calling 1-800-521-4041, mention code 549KD or by calling CorpTrav Management Group at 1-800-211-8016. CorpTrav is one of the largest independent global travel management firms, proud to service some of the world's most prestigious organizations since

28th Annual Meeting Registration and Additional Information

Pre-registration deadlines: September 4, 2012 (mail)
September 10, 2012 (online)

Poster Presentations

Annual Meeting Scientific Posters will be available for viewing at all times during the meeting beginning at 2:30 pm on Thursday until 1:30 pm on Saturday in the Convention Center Exhibit Hall. Peer reviewed abstracts for both podium and poster presentations will be included in the final program book.

Registration Information

- Register online at www.ota.org using your OTA username. Email ota@aaos.org for your OTA username.
- Postmarked registrations after September 4 will not be processed; on-site registrations will require an additional \$100 late fee. On-line registrations prior to September 10 will not incur the \$100 late fee.
- All pre-registrations will receive confirmation by e-mail. Badges will be mailed to those registered by September 4.
- The pre-registration form may be photocopied as needed.

Skills Labs, Mini Symposia and Case Presentations

- Ensure your space in Skills Labs - register early. Tickets are required.
- Skills Labs FILL QUICKLY and may not be available to on-site registrants.
- Choose the Friday and Saturday Skills Laboratory Sessions in order of your preference.
- Bring radiographs/x-rays of problem cases for discussion with OTA members.

On-site Registration

- Registrations postmarked after September 4 or on-line registrations after September 10 will be accepted on-site plus an additional \$100 late fee.
- On-site Registration will be available as follows:
Convention Center Foyer
(All Pre-Meeting Events)
Tuesday: 4:00 PM - 6:00 PM
Wednesday - Saturday:
6:15 AM - 5:00 PM
- Exhibitors must register through the OTA office.

Payment

- All meeting registrations must be accompanied by payment.
- Indicate payment ~ Visa, MasterCard or AMEX with cardholder name, number, expiration date and signature and FAX form directly to: (847)823-0536
- Check made payable to OTA and drawn from a US bank in US dollars.
Mail form and check to:
OTA
6664 Eagle Way
Chicago IL 60678-1066,
USA
- Registrations sent via Courier must be sent to the OTA staff office: 6300 N. River Road, Suite 727, Rosemont, IL 60018.

Cancellations and Refunds

- Submit cancellation in writing to OTA office via fax: (847)823-0536 or email: OTA@aaos.org
- Refunds less a \$100.00 processing fee per registration will be made in a timely basis by OTA after the close of the OTA Annual Meeting.
- No refunds after October 1, 2012.

Industry Symposia, Case Presentations, Skills Labs and Mini Symposia Descriptions

Note: Pre-registration is not required for Breakout Sessions. Only Skills Labs require tickets.

Industry Symposia

(Lunch included)

Thursday, October 4

11:15 am – 12:45 pm

Take advantage of this opportunity to learn of new products and/or surgical equipment demonstrations.

BioMimetic Therapeutics, Inc.

Bioventus

The Great Debate -

Treatment Options for Non-unions

This session is an interactive case-based review of the various biologic and device options to treat challenging non-unions. Planned topics to cover include: BMP, autograft, bone marrow aspirate, low intensity pulsed ultrasound, and electrical stimulation. Attendees will provide treatment options for discussion by the group. Subject matter experts will discuss the pros and cons of each treatment option.

Conventus Orthopaedics, Inc.

A novel, multi-planar and less invasive approach to distal radius fracture fixation.

Medtronic

RTI Biologics

Biologic options for your trauma practice - fracture management and joint resurfacing.

Synthes

(View latest information at www.ota.org.)

Mini Symposia

Friday, October 5: 10:00 am – 11:15 am

Workers Compensation: An Orthopaedic Trauma Perspective

Orthopaedic trauma surgeons routinely take care of patients who are injured while on the job, yet many have minimal formal education on dealing with the unique aspects of these patients' care. This session will familiarize the attendee with Workers Compensation Systems and common terminology. Public, physician, and research perspectives will be explored, and issues that frequently arise when caring for injured workers will be discussed.

Moderator: *Hassan R. Mir, MD*

Faculty: *Lisa K Cannada, MD;*

Cory A Collinge, MD; A Alex Jahangir, MD;

William T Obremskey, MD, MPH;

Manish K Sethi, MD

Friday, October 5: 10:00 am – 11:15 am

How to Establish and Run a Fragility Fracture Program (Own the Bone)

Own the Bone is a web-based quality-improvement program, the ultimate goal of which is to reduce the risk of future fractures and to promote a multi-disciplinary approach and coordination of care between orthopaedic surgeons, rheumatologists, endocrinologists, OBGYN, and primary care physicians to ensure better bone health in patients age 50 and over. As a national, online registry, the program provides hospitals and medical centers with a structured system to optimize and track patient care, as well as access to internal and external benchmarking capabilities to measure performance for outside evaluators. In addition to introducing the "Own the Bone" program, this symposium will focus on practice management aspects of establishing an osteoporotic fracture program.

Moderator: *James A Goulet, MD*

Friday, October 5: 1:00 pm – 2:30 pm

US Policy and Healthcare Reform: An Update

We intend to review the basics of healthcare financing and history of reform in the US. The Representatives and Senators that are active in Healthcare Reform and their views are highlighted. We also review how institutions and physician practices are responding to Reform.

Moderator: *William T Obremskey, MD*

Faculty: *A Alex Jahangir, MD;*

Steven A Olson, MD; Manish K Sethi, MD

Friday, October 5: 1:00 pm – 2:30 pm

Periprosthetic Fractures

Periprosthetic fractures are increasing in frequency and complexity. This symposium will use a focused, case-based format to clarify optimal treatment techniques for the practicing orthopaedist who deals with these injuries.

Moderator: *Michael D McKee, MD*

Faculty: *George J Haidukewych, MD;*

Hans J Kreder, MD; William M Ricci, MD;

Emil H Schemitsch, MD

Friday, October 5: 1:00 pm – 2:30 pm

Infections With Resistant Bacteria: Are They Winning the Battle?

The participant will receive an update on infections caused by multiple drug resistant organisms and their effect on surgical patients. The state of the art diagnostic workup for infection will be reviewed including invasive and non-invasive methods. Management of the acute postsurgical infection will be explained. Additionally, management of infected nonunion including the option for long term suppressive treatment will be explained.

Moderator: *Stephen L Kates, MD*

Faculty: *Volker Alt, MD;*

Edward Schwarz, PhD;

Michael Suk, MD, JD, MPH

Industry Symposia, Case Presentations, Skills Labs and Mini Symposia Descriptions, cont'd

Note: Pre-registration is not required for Breakout Sessions. Only Skills Labs require tickets.

Mini Symposia, cont'd

Friday, October 5: 3:00 pm – 4:30 pm

Plateaus and Pylons: The Posterior Perspective

Managing complex articular fractures of the proximal and distal tibia can be complicated by soft tissue, exposure and implant inadequacies. Properly indicated and executed posterior access and fixation strategies may serve to resolve these concerns. This symposium will emphasize contemporary indications and limitations of these evolving techniques.

Moderator: *Stephen A Kottmeier, MD*
Faculty: *Clifford B Jones, MD;*
Paul Tornetta, III, MD; J Tracy Watson, MD

Friday, October 5: 3:00 pm – 4:30 pm

Tools and Tips for Maximizing Physician Assistant Utilization

This talk includes proper/compliant utilization along with proper billing and reimbursement for services provided by a PA.

Tricia Marriott, PA-C, MPAS, DFAAPA, Interim Vice President of Constituent Organization Development; Director Reimbursement Advocacy; American Academy of Physician Assistants
Faculty: *Dennis Gregory, PA;*
Debra Sietsema, PhD, RN;
Keith Zurmehly, PA

Friday, October 5: 3:00 pm – 4:30 pm

Compensation Formulas: What Works and What Doesn't

The business of medicine is increasingly important as health care delivery systems are refined to capture new revenue sources and to provide low cost, high quality care to patients. In the current health care environment, compensation formulas and management coordination systems must be aligned to promote these

objectives. This session will review examples and options for the allocation of revenues and expenses that determine physician compensation in various practice types.

Moderator: *William R Creevy, MD*
Faculty: *Timothy J Bray, MD;*
M Bradford Henley, MD; Roy Sanders, MD

Saturday, October 6: 8:00 am – 9:30 am

Two Minutes/Two Slides: Focus on the Pelvis and Acetabulum

A series of brief presentations consisting of two slides over two minutes where experts will highlight diagnostic pearls and surgical tricks for the care of patients' injuries to the pelvic ring or to the acetabulum. Each presentation will be followed by a short discussion.

Moderator: *Pierre Guy, MD, MBA*
Faculty: *Kelly A Lefavre, MD;*
Christopher G Moran, MD;
Jason W Nascone, MD; H Claude Sagi, MD;
Adam J Starr, MD; David J Stephen, MD;

Saturday, October 6: 8:00 am – 9:30 am

Preoperative Nightmares in Orthopaedic Trauma: Deal With It

This symposium will educate the orthopaedic surgeon in order that he may facilitate safe operative treatment of patients with complex preoperative issues.

Moderator: *John T Gorczyca, MD*
Faculty: *Michael A Miranda, MD;*
Kevin J Pugh, MD; Michael S Sirkin, MD;
Jeffrey M Smith, MD

Saturday, October 6: 10:10 am – 11:40 am

Amputations In Trauma: Getting the Most Out of Your Limb

There are many questions when dealing with the mangled extremity. Controversy still exists regarding the appropriate management. By combining lessons learned from the experiences of military and civilian surgeons in the mangled extremity, this will enhance

the care of these patients.

Moderator: *Lisa K Cannada, MD*
Faculty: *Romney C Andersen, MD, COL, MC;*
Paul J Dougherty, MD; Rahul Vaidya, MD

Saturday, October 6: 10:10 am – 11:40 am

Orthobiologics: Where Do They Fit in Your Practice?

Evidence based approach to the use of orthobiologic material and autogenous bone graft. Experts in each area will demonstrate the evidence that supports or does not support the orthobiologics which get thrust upon you daily.

Moderator: *Ross K Leighton, MD*
Faculty: *Mohit Bhandari, MD, PhD;*
Michael D McKee, MD;
Thomas A Russell, MD

Saturday, October 6: 10:10 am – 11:40 am

Multiligament Knee Dislocation Treatment

This symposium will review injuries associate with knee ligament injuries and the appropriate evaluation of these injuries. Understand acute repair and reconstruction of knee ligament cruciate/collateral and meniscus injuries.

Moderator: *William T Obremsky, MD*
Faculty: *Gregory C Fanelli, MD;*
James P Stannard, MD

Saturday, October 6: 1:15 pm – 2:45 pm

Alternative Solutions in Post-Traumatic Reconstruction: I Need to Make Bone

Critical bone loss after fracture or infection can be difficult to manage. Despite adequate soft tissue coverage, "creating" bone in areas of large defect can be quite challenging and require multiple surgeries. We offer alternative solutions in scenarios of massive bone loss.

Moderator: *Samir Mehta, MD*
Faculty: *Stephen Kovach, MD;*
L Scott Levin, MD;
Stephen M Quinnan, MD;
Robert D Zura, MD

Industry Symposia, Case Presentations, Skills Labs and Mini Symposia Descriptions, cont'd

Note: Pre-registration is not required for Breakout Sessions. Only Skills Labs require tickets.

Mini Symposia, cont'd

Saturday, October 6: 1:15 pm – 2:45 pm

Pediatric Polytrauma: Navigation Gator Country

Pediatric polytrauma is the leading cause of death for children, far exceeding all other causes of death. The most likely type of major operative procedure that pediatric trauma victims will undergo is orthopaedic surgery. This mini-symposium will combine the pediatric general surgeon / trauma surgeon and pediatric orthopaedic perspectives as we take a practical look at pediatric polytrauma via short didactic presentations & case-based discussions. Moderator: *Charles T Mehlman, DO, MPH*
Faculty: *Richard Falcone, Jr, MD; Steven L Frick, MD*

Saturday, October 6: 1:15 pm – 2:45 pm

Management of Complex Elbow Trauma

In this course, we aim to outline the treatment principals of complex elbow fractures as well as injuries with composite soft tissue loss. Each speaker will give a brief summary of pertinent anatomy, preferred method of assessment before the surgery, followed by indications and postoperative rehabilitation program. New treatment options on arthroplasties in acute trauma as well as various options on bone and soft tissue reconstruction will be discussed along with case presentations. Moderator: *Kagan Ozer, MD*
Faculty: *Jeffrey Lawton, MD; Rick Papandrea, MD*

Case Presentations

Friday, October 5: 6:30 am – 7:45 am

Coding Update with Case-Based Learning

Coding updates relevant to orthopaedic trauma will be reviewed utilizing case based examples. Audience members are encouraged to bring cases for discussion. Moderator: *William R Creevy, MD*
Faculty: *J Scott Broderick, MD; M Bradford Henley, MD*

Friday, October 5: 6:30 am – 7:45 am

Pelvis and Acetabulum

Cases will present that highlight the initial management, operative treatment options, and expected outcomes of pelvic and acetabulum fractures. An expert panel will provide varying opinions on the management of these complex injuries. Moderator: *Paul Tornetta, III, MD*
Faculty: *Thomas F Higgins, MD; Robert F Ostrum MD; Philip R Wolinsky, MD*

Friday, October 5: 6:30 am – 7:45 am

Pediatric Femur Fractures

Pediatric femur fractures (proximal, shaft and distal) are common injuries often requiring urgent attention by orthopaedic surgeon on call. Current concepts of tactics and techniques in surgical treatment of growing skeleton will be discussed. Special focus is on submuscular bridge plating (videos), intramedullary lateral entry rigid and elastic nailing. Moderator: *Enes Kanlic, MD, PhD*
Faculty: *Amr A Abdelgawad, MD; J Eric Gordon, MD; Marc F Swiontkowski, MD;*

Friday, October 5: 6:30 am – 7:45 am

Proximal Humerus Fractures

While open reduction and internal fixation is one of the most common type of treatment when surgery is indicated in proximal humerus fractures, it is technically challenging and prone to complications associated with the surgical technique. Moderator: *Utku Kandemir, MD*
Faculty: *Michael J Gardner, MD; John T Gorczyca, MD; Michael D McKee, MD; Milan K Sen, MD*

Saturday, October 6: 6:30 am – 7:45 am

Proximal Humerus Fractures

Proximal humeral fractures can be difficult to reduce, and to obtain and maintain stable fixation to achieve a good functional outcome. This session will highlight newer surgical approaches, reduction techniques, and implant and augmentation applications to minimize complications. Moderator: *Michael J Gardner, MD*
Faculty: *Samir Mehta, MD; Andrew H Schmidt, MD*

Saturday, October 6: :30 am – 7:45 am

Distal Femoral Fractures

Supracondylar femur fractures were historically treated with complex surgery and fraught with a high complication rate. Although newer implant options in the past ten years have added complex interlocking nails, locked plates, and multiple locked screw options, these fractures remain difficult to treat. This symposium will briefly review historical treatment outcomes, and review the available scientific and outcomes literature using newer implants, including a discussion of why these fractures remain difficult to treat. Moderator: *Darin Freiss, MD*
Faculty: *Heather H Vallier, MD; Amer J Mirza, MD; David C Templeman, MD*

Saturday, October 6: 6:30 am – 7:45 am

Post-Traumatic Infection

Post-traumatic Infection is a challenging and sometimes devastating problem. Accurate and early diagnosis and evaluation is essential for appropriate treatment. Treatment plan depends on the goal(s) in a specific patient and should often be individualized. Moderator: *Utku Kandemir, MD*
Faculty: *Animesh Agarwal, MD; Bruce H Ziran, MD*

Industry Symposia, Case Presentations, Skills Labs and Mini Symposia Descriptions, cont'd

Note: Pre-registration is not required for Breakout Sessions. Only Skills Labs require tickets.



Case Presentations, cont'd

Saturday, October 6: 6:30 am – 7:45 am
Management of Physeal Fractures Around the Knee and Ankle

A case based and didactic review of common physeal fractures around the knee and ankle. Interactive discussion will cover the evaluation, indications for operative treatment and the operative treatment options for physeal fractures of the distal femur and the proximal and distal tibia. Potential complications and management strategies of the complications will be reviewed.

Moderator: *David Podeszwa, MD*
Faculty: *Christine A Ho, MD;*
Anthony I Riccio, MD;
Robert L Wimberly, MD

Saturday, October 6: 6:30 am – 7:45 am
Scapula Fracture Injuries and Treatment

Symposium will review injuries associated with scapula factors and scapula anatomy and fracture displacement. We will discuss natural history of non-operative results of scapula fractures as well as techniques of fracture fixation and outcomes of fixation. We will also review case studies with audience discussion.

Moderator: *William T Obremskey, MD*
Faculty: *Peter A Cole, MD;*
Clifford B Jones, MD, TBD

Skills Labs

Friday, October 5: 6:30 am – 7:45 am
Joint-spanning External Fixator for Temporizing Articular Fractures (F1)

This session will discuss the indications for, and principles for application of, temporizing spanning external fixation. The practical exercise will demonstrate the proper technique and surgical pearls for utilization in the clinical setting.

Moderator: *Cory A Collinge, MD*

Friday, October 5: 6:30 am – 7:45 am
ORIF Distal Femur Fractures (F2)

This lab will review the indications and surgical techniques for obtaining reduction and achieving fixation of intra-articular distal femur fractures. Focus will include articular reduction and axial alignment as executed in a fractured synthetic model.

Moderator: *David P Barei, MD*

Friday, October 5: 1:00 pm – 2:30 pm
ORIF Distal Radius Fractures (F3)

This lab will provide an opportunity to hone your volar plating techniques. Experienced and renowned surgeons will be there to share their expertise, tips and tricks.

Moderator: *Erik Kubiak, MD*

Friday, October 5: 1:00 pm – 2:30 pm
ORIF Distal Tibia and Fibula Fractures (F4)

This lab will include hands-on instruction by our panel of experts on the open reduction and internal fixation of distal tibia and fibula fractures with plate and screws in a synthetic bone model. Topics including timing, approach, and post-op care will also be covered.

Moderator: *J Tracy Watson, MD*

Friday, October 5: 1:00 pm – 2:30 pm
SIGN Fracture Care International (F5)

The SIGN technique is used in developing countries to place the interlocking screws through the IM nail without using C-arm. Other tips for IM nail interlocking screw fixation will be discussed.

Moderator: *Lewis G Zirkle, MD*
Faculty: *Duong Bunn, MD;*
Luigi A Sabal, MD; Robert S Schultz, MD;
Faseeh Shahab, MD; Prof Shahab-uddin, MD;
Carla S Smith, MD;
Frederic B Wilson, Jr, MD

Saturday, October 6: 6:30 am – 7:45 am
ORIF Periprosthetic Fractures of the Femur (S1)

This lab will cover the adjunctive methods for reduction and fixation of periprosthetic fractures of the femur. We will focus on osteosynthesis rather than revision arthroplasty. In addition to synthetic bone lab, use of adjunctive biologics and post-operative protocol will be discussed.

Moderator: *Raymond R White, MD*

OTA Fax:
847-823-0536



28th Annual Meeting
October 3 - 6, 2012

REGISTRATION FORM

(Please Print)

Name _____
first last degree

Address _____

City _____ State _____ Country _____ Zip _____

Phone (_____) _____ Fax (_____) _____ E-mail _____

Postmarked by:
September 4, 2012.
Fees increased \$100 on site.

ANNUAL MEETING REGISTRATION FEES - U.S. Funds

OTA Member (includes Candidate Members in their Residency)	\$ 125.00 USD	<input type="checkbox"/>
OTA International or Candidate (Post-Fellowship) Member	\$ 325.00 USD	<input type="checkbox"/>
Non-member	\$ 725.00 USD	<input type="checkbox"/>
Medical Resident Non-member or Non-member Allied Health (attach required letter of verification)	\$ 425.00 USD	<input type="checkbox"/>

All company representatives must use Exhibitor Registration Form (available from OTA staff).

Wednesday, October 3 Pre-Meeting Opportunities

	Non-member	OTA Member
BASIC SCIENCE FOCUS FORUM	\$ 275.00 USD <input type="checkbox"/>	\$ 250.00 USD <input type="checkbox"/>
ORTHOPAEDIC TRAUMA BOOT CAMP	\$ 275.00 USD <input type="checkbox"/>	\$ 250.00 USD <input type="checkbox"/>
GRANT WRITING WORKSHOP	\$ 250.00 USD <input type="checkbox"/>	\$ 225.00 USD <input type="checkbox"/>
INTERNATIONAL TRAUMA CARE FORUM	\$ 50.00 USD <input type="checkbox"/>	\$ 50.00 USD <input type="checkbox"/>
MASTERS LEVEL TRAUMA CODING COURSE	\$ 225.00 USD <input type="checkbox"/>	\$ 200.00 USD <input type="checkbox"/>

Thursday, October 4 Pre-Meeting & Concurrent Opportunities

YOUNG PRACTITIONERS FORUM	\$ 50.00 USD <input type="checkbox"/>	\$ 50.00 USD <input type="checkbox"/>
ORTHOPAEDIC TRAUMA FOR NPs and PAs	\$ 350.00 USD <input type="checkbox"/>	\$ 125.00 USD <input type="checkbox"/>
WELCOME RECEPTION (Thursday) - Registrant	I will attend <input type="checkbox"/>	\$ 0.00
Guest Reception Ticket(s)	# of Guests: _____ @ \$65.00 USD ea = \$ _____	

Friday, October 5 Concurrent Opportunities

TRAUMA NURSING COURSE	\$ 95.00 USD <input type="checkbox"/>	\$ 70.00 USD <input type="checkbox"/>
TRAUMA NURSING COURSE & OTA ANNUAL MEETING	\$ 425.00 USD <input type="checkbox"/>	\$ 175.00 USD <input type="checkbox"/>
WOMEN IN ORTHOPAEDIC TRAUMA LUNCHEON	I will attend <input type="checkbox"/>	\$ 0.00 (on site \$30)
NEW MEMBER LUNCHEON	I will attend <input type="checkbox"/>	\$ 0.00
MILITARY RECEPTION	I will attend <input type="checkbox"/>	\$ 0.00

RESERVED SESSIONS
(Tickets Required)

Industry Symposia Concurrent Sessions - LIST TOP TWO CHOICES

Thursday, Oct 4, 11:15 am (#IS-1 - IS-6) 1st Choice # _____ 2nd Choice # _____

Skills Labs Concurrent Sessions - LIST TOP TWO CHOICES

Friday, Oct 5, 6:30 am (#F1 - F2) 1st Choice # _____ 2nd Choice # _____

Friday, Oct 5, 1:00 pm (#F3 - F5) 1st Choice # _____ 2nd Choice # _____

Skills Labs INDICATE ATTENDANCE

Saturday, Oct 6, 6:45 am (#S1) I will attend _____

Lunch/Guided Poster Tours Concurrent Sessions - LIST TOP TWO CHOICES

Friday, Oct 5, 12:10 pm (#P1 - P2) 1st Choice # _____ 2nd Choice # _____

Saturday, Oct 6, 12:10 pm (#P3 - P4) 1st Choice # _____ 2nd Choice # _____

Check Enclosed MasterCard Visa AMEX TOTAL FEES: \$ _____ USD

Cardholder Name: _____ Card Number: _____

Expiration: _____ Signature: _____ Amount: \$ _____ USD

REFUNDS: OTA office must receive written notice of cancellation for a refund less a \$100.00 USD processing fee.
NO refunds after October 1, 2012.

Make checks payable to: Orthopaedic Trauma Association, 6664 Eagle Way, Chicago, IL 60678-1066, USA

REGISTER ON-SITE AFTER SEPTEMBER 10, 2012 - AN ADDITIONAL \$100 USD FEE WILL APPLY.

2012 Annual Meeting Checklist

Have you...

- Completed the Meeting Registration Form (*page 47*)?
- Indicated your preferences for Industry Symposia, Skills Labs and Guided Poster Tours (*page 47*)?
- Included your Payment with the Registration Form?
- Made your hotel reservation with the Hilton or Hyatt online at www.ota.org?

Secure on-line registration at www.ota.org

OR

Fax Registration Forms with Credit Card payment to:
Fax: (847) 823-0536

OR

Mail Registration with USD Check Payment to:



Orthopaedic Trauma Association
6664 Eagle Way
Chicago, IL 60678-1066 USA

(Please note that the above address can only be used when sending via First Class Postage. Courier or Federal Express deliveries must be sent to the OTA staff office: 6300 N. River Road, Suite 727, Rosemont, IL 60018.)

***Registration faxed or post-marked by September 4, 2012.
Register on-line by September 10, 2012.***

**For More Information
Call (847)698-1631, E-mail ota@aaos.org
or visit the OTA web site, www.ota.org.**

Attendance at an OTA educational event authorizes the OTA to capture your image or likeness in photographic, digital video, or other electronic format, and authorizes the OTA to use said image or likeness in marketing materials to promote OTA, including print, electronic and on the internet. OTA warrants that its use of the image or likeness will not be in a negative manner. OTA has no control over the use of the image or likeness by third parties and therefore makes no express or implied warranties on any use by third parties.

Mark your
Calendars NOW



2012 Educational Opportunities

JULY 31, 2012
(7:30 pm CDT)

Webinar: Ankle Fractures are Not Always Simple: Identification and Management of Subtle Complexities
Moderator: Paul Tornetta, III, MD
Faculty: Kenneth A Egol, MD and David W Sanders, MD

OCTOBER 23, 2012
(7:30 pm CDT)

Webinar: Clavicle Fractures: When and How to Fix Them
Moderator: Michael D McKee, MD
Faculty: Carl J Basamania, MD, Kyle J Jeray, MD, David S Ruch, MD

**OTA 2012 webinars. Watch the OTA website for registration details. (registration fee: complimentary)*

2013 Educational Opportunities

FEBRUARY 5

Annual Meeting Abstract Deadline

FEBRUARY 22 - 23

Residents Advanced Trauma Techniques Course
Location TBD
– *Generous Scholarships Available* –

MARCH 23

OTA Specialty Day
Chicago, Illinois

APRIL 10 - 13

Spring Comprehensive Fracture Course for Residents 2.0 – Chicago Area, Illinois
– *Generous Scholarships Available* –

APRIL 18 - 21

Orthopaedic Trauma Fellows Course
Boston, Massachusetts
Registration limited to current orthopaedic trauma fellows.

APRIL 25 - 27

13th Annual AAOS/OTA Orthopaedic Trauma Update Course – LaJolla, California

MAY 1

OTA Membership Application Deadline

OCTOBER 9 - 12

Comprehensive Fracture Course for Residents 2.0 – Phoenix, Arizona

OCTOBER 9 - 12

29th Annual Meeting & Pre-Meeting Events
Phoenix, Arizona

NOVEMBER 1

OTA Membership Application Deadline

For Details of All OTA Events:

OTA website: <http://www.ota.org>

Phone: (847) 698-1631

Fax: (847) 823-0536

Email: ota@aaos.org



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Register Now for the
2012 OTA Annual Meeting
at www.ota.org

Pre-registration Deadline:
Mail: September 4, 2012
Online: September 10, 2012
Hotel Deadline:
September 10, 2012

Bone
and Joint
Initiative
USA

