



ORTHOPAEDIC
— TRAUMA —
ASSOCIATION

27th Annual Meeting

20+ AMA PRA
Category I Credits™

San Antonio,
Texas

October 12 - 15, 2011
(Wednesday ~ Saturday)

Preliminary Program



Pre-Meeting Courses

AOA Own the Bone

International Orthopaedic Trauma Care Forum

*William G. DeLong, Jr., MD, Andrew H. Schmidt, MD
and Wade R. Smith, MD, Co-Chairs*
8 AMA PRA Category I Credits™

Masters Level Trauma Coding Course

William R. Creevy, MD, MBA, Chair
Margaret Maley, Karen Zupko & Associates, Inc.
6.5 AMA PRA Category I Credits™

Basic Science Focus Forum

Theodore Miclau, III, MD, Chair
10.25 AMA PRA Category I Credits™

Young Practitioners Forum

Lisa K. Cannada, MD, Chair
4.5 AMA PRA Category I Credits™

Andrew N. Pollak, MD, President

Animesh Agarwal, MD, Local Host

James A. Goulet, MD, Program Chair

Thomas F. Higgins, MD, Program Co-Chair



27th Annual Meeting & Pre-Meeting Courses October 12 - 15, 2011

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 27th 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
- Improve technical abilities to treat both simple and complex fractures
- Appreciate the changing priorities, and the emergence of problems and new solutions associated with geriatric and osteoporotic fractures
- Become familiar with the latest strategies for managing a sustainable orthopaedic trauma practice in a challenging and changing environment.
- Understand a data-driven approach to the risks, challenges and solutions associated with pain management in orthopaedic trauma

2011 Annual Meeting Program Committee

James A. Goulet, MD - Program Chair

Thomas F. Higgins, MD - Program Co-Chair

Theodore Miclau, III, MD - Basic Science Chair

Committee: Victor A. de Ridder, MD, PhD, MBA; Michael J. Gardner, MD; Pierre Guy, MD, MBA;
Shepard R. Hurwitz, MD; Robert V. O'Toole, MD and John T. Ruth, MD

Local Host: Animesh Agarwal, MD

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Dear Colleagues:

Please accept our invitation to the 27th Annual Meeting of the Orthopaedic Trauma Association (OTA) to be held in San Antonio, Texas from October 12 – 15, 2011. The meeting will provide the most comprehensive and up-to-date program related to the 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.



James A. Goulet, MD

This year's meeting will highlight main symposia on topics with broad appeal including: "Geriatric Fractures: Role of the Traumatologist", "Pain Management in Trauma: Risk to Patients, Burden on Surgeons, Opportunity for Improvement?" as well as "Managing an Orthopaedic Trauma Practice: Strategies for Turbulent Times". 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 customization of the meeting experience.

The Scientific Program will include the most relevant and scientifically sound research. Over ninety podium presentations and 110 posters were selected by the Program Committee from over 700 abstract submissions. Four pre-meeting events will 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 12th that will provide an additional in-depth program designed to augment and expand upon the science presented and discussed at the main meeting.

Three additional, single day pre-meeting events will take place on Wednesday, October 13th. The perennially popular Masters Level Coding Course will once again be organized by Bill Creevy and Karen Zupko & Associates, Inc. The highly successful International Forum, started two years ago, will continue under the direction of Bill DeLong, MD, Andrew Schmidt, MD, and Wade Smith, MD and will review advances and unique aspects of orthopaedic care in emerging regions. In addition, a new evening session jointly sponsored by the American Orthopaedic Association's "Own the Bone" initiative and the Orthopaedic Trauma Association, will provide a step-by-step workshop for practices and research associates seeking to set up a sustainable center for treatment of fragility fractures.



Arneson River Theatre

Photo courtesy of the San Antonio Convention & Visitor's Bureau / Michael Giordano

musculoskeletal trauma by world-class faculty and experts. We truly believe that anyone involved in the field will benefit from this year's OTA Annual Meeting. Please consider joining us in San Antonio!

Sincerely,

James A. Goulet

James A. Goulet, MD, Program Chair

Dear Colleagues – Howdy from the Lone Star State!

We welcome ya'll to San Antonio, Texas, home of the Alamo, San Antonio Spurs, Tex-Mex food and the famed River Walk. We are extremely excited and honored to have been selected as the host city for the 27th Annual Meeting of the Orthopaedic Trauma Association. The Marriott **Rivercenter** Hotel in downtown San Antonio will be the site of the general session and exhibits, which starts Thursday afternoon, with the Wednesday pre-meeting events and breakout sessions being held across the street at the sister Marriott **Riverwalk** Hotel. The Henry B. Gonzalez Convention Center, which is also located across the street from the Marriott Riverwalk, will house the OTA Residents Course. All meeting venues are located right on the River Walk, which is well known for its terrific restaurants and nightlife. The reception will be held nearby at La Villita or “the little village,” a historic arts village located along a slow bend in the San Antonio River Walk, originally established by Spanish soldiers stationed at the Alamo. In the old quarters you will find cafes, galleries and boutiques that capture the spirit of San Antonio.



Animesh Agarwal, MD

San Antonio is a family vacation destination with Sea World, Fiesta Texas, the Alamo, San Antonio Zoo and numerous outstanding golf courses. It is also home to the largest concentration of Spanish colonial architecture in North America. We hope that you find the time to spend an extra day or two, before or after the meeting, to enjoy some of these activities.

San Antonio is well known for its military bases, margaritas and missions. The most famous mission, the Alamo, celebrated the 175th Anniversary of the Battle of the Alamo this year. It is a must see and located within walking distance of the hotel. If you're a history buff, stop by the bar at the Menger hotel adjacent to the Alamo, which is where President Teddy Roosevelt recruited his Rough Riders in 1898.

Four other missions, Missions San José, Concepción, San Juan and Espada, sit on the banks of the San Antonio River as it winds south from downtown San Antonio. They were built in the 1700's and are full of centuries-old artworks, original frescos, angels carved from limestone and haunting bell towers. By 2013, San Antonio plans on connecting all five of the city's missions via the River Walk.

Two other landmarks, not to be missed, the San Fernando Cathedral, and the Spanish Governor's Palace are both downtown. The Cathedral houses remains that are said to be that of the Alamo defenders. Established in 1731 and originally considered the official heart of the city, it stands as the oldest cathedral sanctuary in the United States. The Spanish Governor's Palace is the “most beautiful building in San Antonio” according to the National Geographic Society. It is a national historic landmark and once housed the officials of the Spanish Province of Texas.

We have been fortunate to have three Level I trauma centers, University Hospital, Brooke Army Medical Center (BAMC) and Wilford Hall Medical Center (WHMC) up until this past year. University Hospital, the only civilian Level I trauma center, is undergoing a major facelift with the construction of a new trauma tower to keep up with the growth in San Antonio. With the merger of BAMC and WHMC, the San Antonio Medical Military Complex was created. It is destined to be the regional flagship medical center for both armed services. It is based at BAMC and will be the premier medical provider for the military and currently provides a vast amount of medical care for injured soldiers returning from the war. Its recently established Center for the Intrepid is a state of the art center for the rehabilitation of wounded soldiers.

The weather in October is generally pleasant. It averages anywhere from a low of 59°F to high of 82°F. It can, however, be unpredictable.

We look forward to welcoming you and are grateful to the OTA for selecting San Antonio for their annual meeting. We hope you enjoy your time here in Texas. You might even pick up a pair of boots and a cowboy hat!

Best wishes for a safe trip,

A handwritten signature in dark ink that reads "Animesh Agarwal".

Animesh Agarwal, MD and Jennifer Agarwal
Local Host, San Antonio, Texas

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2011 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

Marriott Riverwalk Hotel,

Alamo Ballroom

Attendees of this activity can earn up to 10.25 AMA PRA Category I Credits™.

Wednesday – Thursday, October 12 – 13, 2011

Target Audience

Attendees of the 27th Annual Meeting of the Orthopaedic Trauma Association, orthopaedic trauma surgeons, fellows and residents, basic scientists, bioengineers and biologists.

8:15 am

Avoiding Common Pitfalls in Study Design

Steven A. Olson, MD

8:30 am

Discussion

Forum Objectives

- Develop a greater understanding of biomechanics models and how to choose the most appropriate model.
- Gain knowledge about heterotopic ossification and its sequelae.
- Learn the latest technology to diagnose and treat compartment syndrome.
- Review advances in biomaterials and surface technologies.
- Understand the mechanisms behind various physiological challenges to bone repair.

8:50 am –

10:04 am

PAPER SESSION 1:

BIOMECHANICS

Moderators: *Steven A. Olson, MD*

Louis E. DeFrate, PhD

8:50 am

Overview: *Steven A. Olson, MD*

9:00 am

Filling Empty Screw Holes Does not Improve the Fatigue Life of the Fixation Construct in Comminuted Supracondylar Femoral Fractures

Reza Firoozabadi, MD; Erik McDonald, BS;

Thuc-Quyen Nguyen, BS;

Jenni M. Buckley, PhD; Utku Kandemir, MD;

Department of Orthopaedic Surgery, University of California San Francisco, San Francisco, California, USA

9:06 am

Biomechanical Comparison of a Long Retrograde Intramedullary Supracondylar Femoral Nail versus a Lateral Locked Plate in a Cadaveric Femur Fracture Model

Matthew R. Craig, MD, MS¹;

Andrew L. Freeman, MSE²;

Derek Goerke, BS²; Paul Lafferty, MD³;

Robert A. Morgan, MD⁴;

Richard F. Kyle, MD⁵;

¹*Temple University, Dept. of Orthopaedics, Philadelphia, Pennsylvania, USA;*

²*Excelsior, Minneapolis, Minnesota, USA;*

³*Cooper University Hospital, Camden, New Jersey, USA;*

⁴*Regions Hospital, St. Paul, Minnesota, USA;*

⁵*Hennepin County Medical Center, Minneapolis, Minnesota, USA*

Paper #2

Program

Wednesday, October 12, 2011

6:30 am Registration and Continental Breakfast
(*Marriott Riverwalk, Alamo Ballroom Foyer*)

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

7:30 am –
8:50 am **SYMPOSIUM 1:
BIOMECHANICS: CHOOSING THE
RIGHT MODEL**

Moderators: *Steven A. Olson, MD*

Louis E. DeFrate, PhD

7:30 am **Selecting the Right Specimens:
Do Materials Matter?**
J. Lawrence Marsh, MD

7:45 am **Sample Size: How Many is Enough?**
Louis E. DeFrate, PhD

8:00 am **Dynamic versus Static Testing:
What is the Best?**
Loren L. Latta, PhD

Basic Science Forum Program, cont'd

9:12 am Paper #3	Use of Acute Shortening versus Bridging Plate for Highly Comminuted Unreconstructable Olecranon Fractures <i>Akira Yamamoto, MD; Meir Marmor, MD; David Friedberg, MD; Erik McDonald, BS; Kayla Calvert, PhD; Eric Meinberg, MD; University of California, San Francisco, California, USA</i>	9:50 am Paper #8	Comparison of Two Techniques for Proximal Fixation of Periprosthetic Fractures <i>Mark Lenz, MD¹; Markus Windolf; Stefan Rothstock¹; Thomas Mückley, PhD²; Gunther O. Hofmann, PhD²; Robert Geoff Richards, PhD¹; Karsten Schwieger, PhD¹; Boyko Gueorguiev, PhD¹; ¹AO Research Institute Davos, Davos, Switzerland; ²Clinic for Trauma, Hand and Reconstructive Surgery, Friedrich Schiller University, Jena, Germany</i>
9:18 am Paper #4	The Effects of Locked and Unlocked Neutralization Plates on Load Bearing of Fractures Fixed With a Lag Screw <i>Richelle C. Takemoto, MD; Michelle T. Sugi, MD; Fredrick J. Kummer, PhD; Kenneth J. Koval, MD; Kenneth A. Egol, MD; NYU Hospital for Joint Diseases, New York, New York, USA</i>	9:56 am	Discussion
9:24 am	Discussion	10:04 am	Break
9:32 am Paper #5	The Effect of Cannulated Lag Screw Placement and Tension Band Wiring on Patellar Fracture Fixation <i>Eric Henderson, MD¹; Brandon Santoni, PhD²; Aniruddh Nayak, MS²; Andres Cabezas, BS; Richard Cain, MD¹; Riley Hale, MD¹; H. Claude Sagi, MD¹; ¹Dept. of Orthopaedic Surgery, University of South Florida, Tampa, Florida, USA; ²Phillip Spiegel Orthopaedic Research Laboratory, Foundation for Orthopaedic Research and Education, Tampa, Florida, USA</i>	10:20 am – 11:30 am	SYMPOSIUM 2: HETEROTOPIC OSSIFICATION Moderators: <i>Emil H. Schemitsch, MD</i> <i>Michael J. Bosse, MD</i>
9:38 am Paper #6	Is Dynamic Locking the Answer in Some Complex Proximal Femoral Fractures? <i>Ben Ollivier MD; Markus Baker; Donell Simon MD; Chirodian Nish; James Wimbust; Norfolk & Norwich University Hospital NHS Trust, Norwich, United Kingdom</i>	10:20 am	The Pathophysiology of Heterotopic Ossification <i>Leon J. Nesti, MD</i>
9:44 am Paper #7	A Biomechanical Comparison of Intramedullary and Volar Plate Fixation of Distal Radius Fractures <i>R.J. van Kampen, MD¹; A.R. Thoreson, MS²; N.J. Knutson, MS³; J.E. Hale, PhD³; S.L. Moran, MD¹; ¹Dept. of Plastic Surgery, Mayo Clinic, Rochester, Minnesota, USA; ²Orthopedic Biomechanics Laboratory, Dept. of Orthopedic Surgery, Mayo Clinic, Rochester, Minnesota, USA; ³Conventus Orthopaedics Inc., Maple Grove, Minnesota, USA</i>	10:30 am	Heterotopic Ossification Prophylaxis in Orthopaedic Trauma Patients <i>Aaron Nauth, MD</i>
		10:40 am	Treating Heterotopic Ossification in Fracture Patients <i>Jeffrey O. Anglen, MD</i>
		10:50 am	Blast Injuries and Heterotopic Ossification <i>Benjamin Potter, MD</i>
		11:00 am	CNS Injury and Heterotopic Ossification <i>Mary Ann Keenan, MD</i>
		11:10 am	Discussion
		11:30 am – 12:12 pm	PAPER SESSION 2: HETEROTOPIC OSSIFICATION Moderators: <i>Emil H. Schemitsch, MD</i> <i>Michael J. Bosse, MD</i>
		11:30 am	Overview: Emil H. Schemitsch, MD
		11:40 am Paper #9	VEGF mRNA Expression in EPC Local Therapy for a Rat Segmental Bone Defect <i>Ru Li, MD, PhD; Erion Qamirani, MD, PhD; Aaron Nauth, MD; Kivanc Atesok, MD; Emil H. Schemitsch MD, FRCS(C); Musculoskeletal Research Lab, Division of Orthopaedics, Dept. of Surgery, St. Michael's Hospital, University of Toronto, Toronto, Ontario, Canada</i>

Basic Science Forum Program, cont'd

11:46 am Paper #10	BMP Regulation of Mesenchymal Progenitor Cells in Regenerating Muscle Tissue <i>Matthew W. Kluk, MD^{1,2}; Youngmi Ji, PhD²; Orna Amrani, MD²; Wesley M. Jackson, PhD²; Leon J. Nesti, MD^{1,2};</i> ¹ <i>Dept. of Orthopaedics and Rehabilitation, Walter Reed Army Medical Center, Washington, District of Columbia, USA;</i> ² <i>Clinical and Experimental Orthopaedics Laboratory, National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, Bethesda, Maryland, USA</i>
11:52 am Paper #11	Gene Expression and Regulation in the Formation of Heterotopic Ossification <i>Jared Vogler, DO^{1,2}; Amber B. Aragon, MD²; Matthew W. Kluk, MD^{1,2}; Youngmi Ji, PhD²; Wesley M. Jackson, PhD²; Leon J. Nesti, MD^{1,2};</i> ¹ <i>Dept. of Orthopaedics and Rehabilitation, Walter Reed Army Medical Center, Washington, District of Columbia, USA;</i> ² <i>Clinical and Experimental Orthopaedics Laboratory, National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, Bethesda, Maryland, USA</i>
11:58 am Paper #12	The Effect of Reaming of Long Bone Fractures on Translocation of Mesenchymal Stem Cells <i>Tarek A.A.R.A.R Roshdy, MD; Peter V. Giannoudis, MD; Elena Jones, PhD; Dennis McGonagle, PhD;</i> <i>Section of Musculoskeletal Disease, LIMM, The University of Leeds, Leeds, United Kingdom</i>

12:04 pm	Discussion
12:12 pm – 1:15 pm	Lunch



See pages 36 - 37
for information
about Skills Labs.

1:15 pm – 2:20 pm	SYMPOSIUM 3: COMPARTMENT SYNDROME: NEW TECHNOLOGIES Moderators: <i>Edward J. Harvey, MD</i> <i>Gregory K. Berry, MD</i>
1:15 pm	Non-Operative Management of Compartment Syndrome <i>David W. Sanders, MD</i>
1:25 pm	Non-Invasive Compartment Monitoring <i>Gregory K. Berry, MD</i>
1:35 pm	Invasive Compartment Monitoring <i>Andrew H. Schmidt, MD</i>
1:45 pm	Compartment Syndrome: Emerging Concepts and Technologies <i>Edward J. Harvey, MD</i>
2:00 pm	Discussion
2:20 pm – 3:07 pm	PAPER SESSION 3: SOFT-TISSUE TREATMENT Moderators: <i>Edward J. Harvey, MD</i> <i>Gregory K. Berry, MD</i>
2:20 pm	Overview: <i>Edward J. Harvey, MD</i>
2:35 pm Paper #13	Comparison of Chlorhexidine and Saline for Irrigating a Contaminated Open Fracture Model <i>Jowan G. Penn-Barwell, MRCS^{1,2}; Clinton K. Murray, MD³; Joseph C. Wenke, PhD¹;</i> ¹ <i>US Army Institute of Surgical Research, Fort Sam Houston, San Antonio, Texas, USA;</i> ² <i>Academic Dept. of Military Surgery and Trauma, Royal Centre for Defence Medicine, Birmingham, United Kingdom;</i> ³ <i>Brooke Army Medical Center, Fort Sam Houston, Texas, USA</i>
2:41 pm Paper #14	The Efficacy of Antimicrobial Wound Dressings Used in the Management of Military Complex <i>Will G.P. Eardley^{1,2}; Kevin R. Martin¹; Emrys Kirkmann, PhD¹;</i> <i>Jon C. Clasper, MD²; Sarah A. Watts, PhD¹;</i> ¹ <i>Dept. of Biomedical Sciences, Defence Science and Technology Laboratory, Salisbury, Wiltshire, United Kingdom;</i> ² <i>Academic Department of Military Surgery and Trauma, Royal Centre for Defence Medicine, Edgbaston, Birmingham, United Kingdom</i>

Basic Science Forum Program, cont'd

2:47 pm Paper #15	Retinoid Signaling by a Selective Retinoid Acid Receptor Agonist Hinders Angiogenesis, Formation of Granulation Tissue and Wound Closure in Cutaneous Models of Wound Healing <i>Steven Grijalva, MD^{1,2,3}; Khairul Anam, PhD¹; Yelena Lazdun, BS¹; Mihret Amare, BS¹; Jonathan A. Forsberg, MD^{2,3}; Benjamin K. Potter, MD^{2,3,4}; Eric A. Elster, MD^{1,4}; Thomas A. Davis, PhD^{1,4};</i> ¹ Regenerative Medicine Department, Naval Medical Research Center, Silver Spring, Maryland, USA; ² Dept. of Orthopedic Surgery, Walter Reed Army Medical Center, Washington, District of Columbia, USA; ³ Dept. of Orthopedic Surgery, National Naval Medical Center, Bethesda, Maryland, USA; ⁴ Dept. of Surgery, Uniformed Services University of the Health Sciences, Bethesda, Maryland, USA	4:05 pm	New Trauma Implant Technologies: Will Coatings Make a Difference <i>R. Trigg McClellan, MD</i> Discussion
		4:15 pm	
		4:35 pm – 5:17 pm	PAPER SESSION 4: BIOMATERIALS AND SURFACE TECHNOLOGIES Moderators: <i>Theodore Miclau, III, MD</i> <i>R. Geoff Richards, PhD</i>
		4:35 pm	Overview: <i>R. Geoff Richards, PhD</i>
		4:45 pm Paper #17	Bone-Implant Interface Strength and Peri-Implant Bone Response to a Biodegradable Magnesium Alloy Implant and a Self-Reinforced PLGA Copolymer Control - Findings in a Transcortical Rat Model <i>Richard A. Lindtner, MD¹; Christoph Castellani, MD²; Peter Hausbrandt, MD²; Elmar K. Tschegg, PhD³; Stefanie E. Stanzl-Tschegg, PhD⁴; Annelie-Martina Weinberg, PhD²;</i> ¹ Dept. of Trauma Surgery, Medical University Innsbruck, Innsbruck, Austria ² Dept. of Pediatric and Adolescent Surgery, Medical University of Graz, Graz, Austria ³ Institute for Building Construction and Technology, Vienna University of Technology, Vienna, Austria ⁴ Institute of Physics and Materials Science, University of Natural Resources and Life Sciences, Vienna, Austria
2:53 pm Paper #16	Gentamicin for Open Fractures in Trauma Patients: Is it Safe? <i>David Zamorano, MD; Jason H. Lee, MD; Michael L. Nguyen, MD; Matthew Griffin, BS;</i> University of California Irvine Medical Center, Orange, California, USA		
2:59 pm	Discussion		
3:07 pm	Break		
3:25 pm – 4:35 pm	SYMPOSIUM 4: ADVANCES IN BIOMATERIALS AND SURFACE TECHNOLOGIES Moderators: <i>Theodore Miclau, III, MD</i> <i>R. Geoff Richards, PhD</i>		
3:25 pm	Advances in Implant Surface Technologies <i>David Grainger, PhD</i>	4:51 pm Paper #18	Novel Antimicrobial Surface for Fracture Fixation Devices with Long-Term Stability <i>Christopher R. Loose, PhD; Karen A. Schultz, PhD; Hao Wang, PhD; Koby J. Elias, BS;</i> Semprus BioSciences, Cambridge, Massachusetts, USA
3:40 pm	Manipulating Osseointegration Through Material Surface Modification <i>R. Geoff Richard, PhD</i>		
3:55 pm	Current Strategies in Anti-Infective Surfaces <i>Fintan Moriarty, PhD</i>		

Basic Science Forum Program, cont'd

- 4:57 pm
Paper #19 **Decreasing Complications in External Fixation Pins Via Time-released Nitric Oxide Coatings**
William W. Kesler, AB¹; Ken J. Addison¹; Adriel M. Watts, BS¹; Paul S. Weinhold, PhD²; Joshua B. Holt, BS¹; Wesley L. Storm, BS³; Mark H. Schoenfish, PhD³; Laurence E. Dahners, MD²;
University of North Carolina School of Medicine, Chapel Hill, North Carolina, USA;
²Dept. of Orthopaedic Surgery, University of North Carolina, Chapel Hill, North Carolina, USA;
³Dept. of Chemistry, University of North Carolina, Chapel Hill, North Carolina, USA
- 5:03 pm
Paper #20 **Testing for Contrasting Infection Rates and Biofilm Formation Among Biomaterials in an In Vitro**
Brian Stover, BS¹; Zalman Vaksman, MS¹; Heidi B. Kaplan, PhD¹; Catherine G. Ambrose, PhD²; Milan Sen, MD²
¹Dept. of Microbiology and Molecular Genetics,
²Department of Orthopaedic Surgery, UT Health, Houston, Texas, USA
- 5:09 pm **Discussion**
- 5:17 pm **Adjourn**



Charreada Mexican Rodeo

Photo courtesy of the San Antonio Convention & Visitor's Bureau / Al Rendon

Program Thursday, October 13, 2011

- 6:30 am Continental Breakfast
(Marriott Riverwalk, Alamo Ballroom Foyer)
- 7:25 am **Introduction:**
Theodore Miclau, III, MD, Program Chair
- 7:30 am–
8:40 am **SYMPOSIUM 5:
PHYSIOLOGICAL CHALLENGES TO
BONE REPAIR**
Moderators: *Joseph Borrelli, Jr., MD*
Hans-Christoph Pape, MD
- 7:30 am **Hypovitaminosis**
Joseph M. Lane, MD
- 7:40 am **Chronic Inflammation**
David J. Hak, MD, MBA
- 7:50 am **Diabetes**
Sheldon S. Lin, MD
- 8:00 am **Aging**
Peter V. Giannoudis, MD
- 8:10 am **Polytrauma**
Joseph R. Hsu, MD
- 8:20 am **Discussion**
- 8:40 am –
9:22 am **PAPER SESSION 5:
PHYSIOLOGICAL CHALLENGES
TO HEALING**
Moderators: *Joseph Borrelli, Jr., MD*
Hans-Christoph Pape, MD
- 8:40 am **Overview: Joseph Borrelli, Jr., MD**
- 8:50 am
Paper #21 **Mesenchymal Stem Cells (MSCs)
Facilitate Fracture Repair in an Alcohol-
Induced Impaired Healing Model**
Thomas S. Obermeyer, MD¹;
Kristen Lauing¹; Stuart R. Stock, PhD²;
David Yonick, MD¹; Michael D. Stover, MD¹;
John J. Callaci, PhD¹;
¹Loyola University, Maywood, Illinois, USA;
²Northwestern University, Chicago, Illinois, USA
- 8:56 am
Paper #22 **Recombinant Human Parathyroid
Hormone (PTH 1-34) Enhances Healing
in a Mouse Fracture**
Edward A. Lin, MD; Chuanju Liu, PhD;
Kenneth A. Egol, MD;
New York University School of Medicine,
New York, New York, USA

Basic Science Forum Program, cont'd

9:02 am Paper #23	The Effect of Transdermal Nicotine on Fracture Healing in a Rabbit Model <i>Jonathan A. Donigan, MD;</i> <i>Douglas Fredericks BS;</i> <i>Joseph D. Smucker, MD;</i> <i>James V. Nepola, MD;</i> <i>University of Iowa Hospitals and Clinics,</i> <i>Iowa City, Iowa, USA</i>
9:08 am Paper #24	Incidence of Aseptic Femoral- and Tibial Shaft Non-unions: Is There a Genetic Predisposition? <i>Frank Hildebrand, MD;</i> <i>Christian Zeckey, MD; Michael Frink, MD;</i> <i>Philipp Mommsen, MD;</i> <i>Christian Krettek, MD;</i> <i>Trauma Dept., Hannover Medical School,</i> <i>Hannover, Germany</i>
9:14 am	Discussion
9:22 am	Break
9:40 am – 10:50 am	SYMPOSIUM 6: META-ANALYSIS IN ORTHOPAEDICS: STATISTICAL TRICKERY OR NOT? Moderators: <i>Mohit Bhandari, MD, PhD</i> <i>Saam Morshed, MD, PhD</i>
9:40 am	What is a Meta-Analysis <i>Saam Morshed, MD, PhD</i>
9:50 am	Meta-Analyses: Should they Guide Practice? <i>Peter V. Giannoudis, MD</i>
10:00 am	Meta-Analyses are Dangerous— Be Forewarned! <i>Brent Graham, MD</i>
10:10 am	Case Study: Total Hip Arthroplasty versus Hemi-Arthroplasty for Femoral Neck Fractures: A Critique of a Meta-Analysis <i>Dirk Stengel, PhD</i>
10:20 am	If Not, Meta-Analyses, then What Do We Need? <i>Brad A. Petrisor, MD</i>
10:30 am	Discussion
10:50 am	Adjourn

2011 OTA Industry Symposia

Henry B. Gonzalez Convention Center

Thursday, October 13, 2011

11:15 AM - 12:30 PM

Industry Session Sponsors

See our corporate sponsors' new products and/or surgical equipment demonstrations in between the Basic Science Focus Forum and the start of the Annual Meeting.
(Lunch included.)



BioMimetic Therapeutics, Inc. (#IS-1)

Intelligent Orthopaedics Limited (#IS-2)

"Plateau, shaft or pilon - a novel approach to reducing unstable fractures."

Sonoma Orthopaedics (#IS-3)

"Innovative rotator cuff sparring, flexible nail for midshaft Humeral shaft fractures."

Zimmer, Inc. (#IS-4)

RTI Biologics, Inc. (#IS-5)

"Biologic Options for your Trauma Practice-Fracture Management and Joint Resurfacing."

1:00 pm

ANNUAL MEETING BEGINS

(Marriott Rivercenter, Grand Ballroom, Level 3)

Welcome – Andrew N. Pollak, MD,

OTA President

2011 OTA Pre-Meeting Course

Masters Level Trauma Coding Course

Margaret Maley, Senior Consultant, KarenZupko & Associates, Inc.
William R. Creevy, MD, MBA, Chair

*Marriott Riverwalk Hotel,
Alamo Ballroom*

Attendees of this activity can earn up to 6.5 AMA PRA Category I Credits™.

Wednesday, October 12, 2011

Course Description

Margaret Maley BSN, MS, consultant with KarenZupko & Associates, Inc., returns to OTA with a 2011 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?
- What am I doing wrong if my bone grafting codes are consistently being denied?
- 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.

Course Program

8:00 am	Registration (Marriott Riverwalk, Alamo Ballroom Foyer)
9:00 am – 12:00 pm	Evaluation and Management Issues for Orthopaedic Trauma Surgeon
12:00 pm – 1:00 pm	Lunch Break
1:00 pm – 4:00 pm	Surgical Coding and Reimbursement for the Orthopaedic Trauma Surgeon

Margaret Maley brings over 25 years of experience in orthopaedics having held positions of increasing responsibility in both the clinical and business side of academic and private practices.

With a B.S.N. from The University of Illinois, Ms. Maley began her nursing career in Chicago at Rush-Presbyterian St. Luke's Medical Center. For five years she worked with Dr. Jorge Galante conducting clinical research, overseeing several FDA studies, and she earned her masters degree with a concentration in orthopaedic nursing from Rush University.

For over 15 years, Ms. Maley has concentrated on the business aspects of orthopaedics. With nine years of management experience she has a unique insight into the nuts and bolts of orthopaedic practice management. Her background on the “front line” makes her acutely aware of the importance of correct coding and accurate documentation for maximizing reimbursement. She is recognized by her peers for being able to solve difficult orthopaedic coding and reimbursement problems using strong clinical and business skills.

Known for her ability to relate to orthopaedic surgeons using “their language,” she is able to convince most administrators of the value of surgeon participation in the reimbursement process. This unique skill makes her an asset to staff and administrators alike.

Margaret has extensive experience speaking 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 of Hip and Knee Surgeons, the Western Orthopaedic Association, Gait and Clinical Movement Analysis Society, and Pediatric Orthopaedic Society of North America.



*Margaret Maley
Senior Consultant,
KarenZupko & Associates, Inc.*

2011 OTA Pre-Meeting Course International Orthopaedic Trauma Care Forum

William G. DeLong, Jr., MD, Andrew H. Schmidt, MD, Wade R. Smith, MD, Co-Chairs

Marriott Rivercenter Hotel,

Grand Ballroom, Level 3

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

Wednesday, October 12, 2011

Target Audience

Attendees of the 27th Annual Meeting of the Orthopaedic Trauma Association, orthopaedic trauma surgeons, fellows and residents, basic scientists, bioengineers and biologists.

Forum Objectives

- 1) Learn about the varied methods of treating fracture and trauma complications from around the world;
- 2) Become familiar with unique approaches to lower extremity injuries treated in areas of the world that have limited resources.

Mission Statement

The mission of the International Relations Committee of the OTA is to assist in the global delivery of a high standard of trauma care by participating with our colleagues around the world in a collaborative effort to: develop an extensive network of orthopaedic traumatologists, provide international educational opportunities, and to increase access and opportunity to join the OTA and participate in its meetings and educational offerings.

International Relations Committee

William G. DeLong, Jr. MD, Chair

Jeffrey O. Anglen, MD	Andrew H. Schmidt, MD
Peter V. Giannoudis, MD	Wade R. Smith, MD
Max Morandi, MD	David C. Templeman, MD
Steven J. Morgan, MD	Lewis G. Zirkle, Jr., MD
Saqib Rehman, MD	

International Membership Committee

Peter V. Giannoudis, MD, Chair (*United Kingdom*)
Ney Amaral, MD (*Brazil*)
Guenter C. Lob, MD (*Germany*)
Akira Oizumi, MD (*Japan*)
Hans-Christoph Pape, MD (*Germany*)
Thomas (Toney) A. Russell, MD (*China Focus*)

Program

Wednesday, October 12, 2011

7:00 am	Registration & Continental Breakfast
7:45 am	Introduction <i>William G. DeLong, Jr., MD,</i> <i>OTA International Committee Chair</i>
7:55 am – 8:25 am	SYMPOSIUM 1 ROUNDTABLE DISCUSSION OF INTRA-ARTICULAR FRACTURE CASES FROM AROUND THE WORLD Moderator: <i>Jeffrey O. Anglen, MD</i> Participants: <i>Andrew H. Schmidt, MD,</i> <i>Wade R. Smith, MD, J. Tracy Watson, MD,</i> <i>Manyi Wang, MD (China),</i> <i>Harpel Selhi, MD (India),</i> <i>Mohammed Ismail Wardak, MD (Afghanistan)</i>
7:55 am	Case #1: Distal Femur Fracture
8:05 am	Case #2: Tibial Plateau Fracture
8:15 am	Case #3: Pilon Fracture
8:25 am	Case #4: Distal Humerus Fracture
8:35 am – 10:19 am	PAPER SESSION 1: General Topic, Upper Extremity, Femur Moderators: <i>Steven J. Morgan, MD</i> <i>Saqib Rehman, MD</i>
8:35 am	Orthopedic Injury Analysis in the 2010 Yushu, China Earthquake <i>Ting Li, MD¹; Xieyuan Jiang, MD¹;</i> <i>Xiaobo Zhang, MD²; Manyi Wang, MD¹;</i> <i>¹Dept. of Orthopaedics and Traumatology,</i> <i>Beijing Jishuitan Hospital, Peking Univ. 4th</i> <i>Hospital, Beijing, China;</i> <i>²Dept. of Surgery, People's Hospital of</i> <i>Qinghai Province, Qinghai, China</i>

Names in **Bold** = Presenter

Register On-line Today at www.ota.org.

International Orthopaedic Trauma Care Forum Program, cont'd

8:43 am	Surgical Treatment of Fresh Complete Acromioclavicular Dislocation by Coracoid Process Transfer and Fixation with the Clavicular Hooked Plate <i>Yeming Wang¹; Jianguo Zhang; Xinlong Ma; Dept. of Orthopedics, Tianjin Hospital, Tianjin, China</i>	9:56 am	Radiologic Assessment of the Medial MIPPO Technique in Distal Femur with CT Angiography <i>Jung Jae Kim, MD¹; Ji Wan Kim, MD²; Hyoung Keun Oh, MD³; Hui Seong Yu, MD¹; Joo-Yul Bae, MD¹; Ji Ho Choi, MD¹; ¹University of Ulsan, Seoul, South Korea; ²Inje University, Busan, South Korea; ³Inje University, Ilsan, South Korea</i>
8:53 am	The Effect of Surgical Timing on the Perioperative Complications and Functional Outcome of Supracondylar Humeral Fractures in Children <i>Dr. Dipak Maharjan, MBBS, D Ortho, MS Ortho; Subin Byanjankar, MD; United Mission Hospital Tansen, Palpa, Nepal</i>	10:04 am	Discussion
		10:19 am	Break
		10:39 am – 11:53 am	PAPER SESSION 2: SPINE, LOWER EXTREMITY Moderators: <i>Lewis G. Zirkle, Jr, MD, Massimo Max Morandi, MD</i>
9:01 am	New Apparatus for the Closed Reduction of Distal Radius Fractures <i>Mohammed Ismail Wardak, MD, MS; Afghan National Military Hospital, Kabul, Afghanistan</i>	10:39 am	MRI in Spinal Trauma – A Predictor of Neurological Recovery <i>Rajeshwar Nath Srivastava; Umesh Parashari; KG Medical College, CSM Medical University, Lucknow, India</i>
9:09 am	Discussion		
9:32 am	Optimal Dosage of Intrathecal Morphine for Open Reduction Internal Fixation Intramedullary Nailing for Femoral Shaft Fractures: A Dose Finding Study <i>Geraldine Jaca-Corporal, MD; Felipe Villarosa Jr., MD, DPBA; Southern Philippines Medical Center, Davao Oriental Provincial Hospital</i>	10:47 am	Motor Segmental Recovery In Spinal Cord Injury - A Blessing In Disguise! <i>Rajeshwar Nath Srivastava; KG Medical College, CSM Medical University, Lucknow-India</i>
		10:55 am	One Incision, Double Plating for the Treatment of Distal Tibia and Fibula Fractures: Gross Anatomic Study and Case Series of Twenty Five Patients <i>Baoqing Yu, MD; Hui Ma, MD; Dept. of Orthopaedics, Changhai Hospital, The Second Military Medical University, Shanghai, China</i>
9:40 am	Closed or Minimal Exposure Nailing of Femur Shaft Fractures Using the SIGN Nail Technique in Rural Kenya <i>Otieno T. Ondiek, MD; Mbugua F. Kimani, MD; Ndasi H. Tanyi, MD; Tewodros Tilahun, MD; Mefin Etsub, MD; Ndeleva B. Mukulu, MD; Nguku Levis, MD; Muchiri A. Maina; AIC-Kijabe Mission Hospital, Nairobi, Kenya</i>	11:05 am	Soft Tissue Complications in Distal Tibial Fractures Managed with Medial Locking Plates: A Myth or Reality <i>Selhi Harpal S, MD; Jain Deepak, MD; Mahindra Pankaj, MD; Yamin M, MD; Aggarwal Raghav, MD; Dept. of Orthopaedic Surgery, Dayanand Medical College & Hospital, Ludhiana, Punjab, India</i>
9:48 am	Treating Open Fractures of Femur with SIGN-Nail <i>Shahab-ud-Din, Prof; Faseeh Shahab; Lady Reading Hospital, Peshawar, Pakistan</i>	11:13 am	Closed Reduction and Percutaneous Kirschner Wire Fixation for the Treatment of Displaced Intraarticular Calcaneal Fractures: Description of Surgical Technique and Early Outcomes <i>Yeming Wang; Jianguo Zhang; Xinlong Ma; Dept. of Orthopedics, Tianjin Hospital, Tianjin, P.R. China</i>

International Orthopaedic Trauma Care Forum Program, cont'd

11:21 am	Combining Reduction Plating Technique with Intramedullary Nailing for Tibial Segmental Fractures: Tricks and Traps <i>Jian Lin, MD; Qiugen Wang, MD; Jianhua Huang, MD; Fan Li, MD; Wei Gao, MD; Haoqing Li, MD; Jie Tao, MD; First People's Hospital Affiliated to Shanghai Jiaotong University, Shanghai, China</i>	2:03 pm	Blunt Major Arterial Injury in the Extremity: Demographics, Treatment, and Early Outcome <i>Can-Bin Zheng, MD; Qing-Tang Zhu, MD, PhD; Li-Qiang Gu, MD, PhD; Zhen-Guo Lao, MD, PhD; Ping Li, MD, PhD; Li-Yong Li, MD, PhD; Jian-Ping Xiang, MD, PhD; Xiao-Lin Liu, MD, PhD; Dept. of Microsurgery and Orthopaedic Trauma, The First Affiliated Hospital, Sun Yat-sen University, Guangzhou, Guangdong, China</i>
11:29 am	Discussion		
11:45 am	Lunch —Interactive Poster Session		
1:00 pm – 1:55 pm	SYMPOSIUM 2: NOVEL METHODS OF TREATING SOFT TISSUE DEFECTS WITHOUT MICROVASCULAR RECONSTRUCTION Moderators: <i>David C. Templeman, MD Peter V. Giannoudis, MD</i>	2:11 pm	Treatment of Difficult Infected Non-union and Segmental Bone Loss Using Bone Transport with the Mono-lateral Orthofix External fixator in Rural Kenya <i>Otieno T. Ondiek, MD; AIC-Kijabe Mission Hospital, Nairobi, Kenya</i>
1:00 pm	Stretching Skin to Fill the Gap		
1:10 pm	Low Cost Negative Pressure Devices		
1:20 pm	Local Flaps		
1:30 pm	Synthetic Coverings that Encourage Granulation	2:19 pm	Discussion
1:40 pm	Discussion	2:34 pm	Break
1:55 pm – 3:49 pm	PAPER SESSION 3: COMPLICATIONS Moderators: <i>Wade R. Smith, MD Peter V. Giannoudis, MD</i>	2:54 pm	SIGN-Fin Nail for Treating Non-unions of Humerus <i>Shahab-ud-Din, Prof; Faseeh Shahab; Lady Reading Hospital, Peshawar, Pakistan</i>
1:55 pm	Treatment of Blunt Major Arterial Injury in the Extremity: Why Is It Often Delayed? <i>Can-Bin Zheng, MD; Qing-Tang Zhu, MD, PhD; Li-Qiang Gu, MD, PhD; Zhen-Guo Lao, MD, PhD; Ping Li, MD, PhD; Li-Yong Li, MD, PhD; Jian-Ping Xiang, MD, PhD; Xiao-Lin Liu, MD, PhD; Dept. of Microsurgery and Orthopaedic Trauma, The First Affiliated Hospital, Sun Yat-sen University, Guangzhou, Guangdong, China</i>	3:02 pm	Treating Infected Non-unions of Tibia with SIGN-Nail <i>Shahab-ud-Din, Prof; Faseeh Shahab; Lady Reading Hospital, Peshawar, Pakistan</i>
		3:10 pm	Long Locked Wave Plates and Autologous Bone Graft for the Treatment of Lower Limbs Nonunion <i>Bartolome L. Allende, MD; Martin Mangupli, MD; Ignacio Pioli, MD; Sanatorio Allende, Cordoba, Argentina</i>
		3:18 pm	Indigenously Developed Topical Negative Pressure (TNP) Therapy in Acute and Neglected Trauma <i>Selhi Harpal S, MD; Jain Deepak, MD; Mahindra Pankaj, MD; Yamin M, MD; Aggarwal Raghav, MD; Dept. of Orthopaedic Surgery, Dayanand Medical College & Hospital, Ludhiana, Punjab, India</i>

International Orthopaedic Trauma Care Forum Program, cont'd

3:26 pm **Surgical Treatment in Lately Presenting Complex Acetabular Fractures**
Chitta Prasad Das, MD¹;
Prof., Banojini Parida, MD²;
Jyoti Shankar Mohanty, MD¹;
¹*West End Hospital, CDA, Cuttack, India;*
²*Dept. of Microbiology, MKCG Medical College, Berhampur, Orissa, India*

3:34 pm **Discussion**

3:49 pm –
4:49 pm

GUEST NATION SYMPOSIUM **OTA 1st Annual Guest Nation ~ ITALY**

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 Italy has been selected as the 1st Annual OTA Guest Nation. Representatives from the *Italian Society of Orthopedics and Traumatology Hospitals in Italy (OTODI)* will participate in the following symposium. In addition, the Embassy of Italy will send a representative to the Annual Meeting. We are pleased to have this opportunity for collaboration with our Italian colleagues, and it will be an honor to recognize their contributions and achievements.

Introduction: *William G. De Long, Jr, MD*
Moderators: *Andrew H. Schmidt, MD,*
William G. De Long, Jr, MD

Open Tibial Shaft Fractures

3:49 pm **Italian Perspective**
Professor Francesco Biggi, MD;
Bassano del Grappa, Italy

3:59 pm **American Perspective**
Steven J. Morgan, MD
Englewood, Colorado, USA

4:09 pm **Discussion**

Treatment of Infected Non Union of Tibia

4:19 pm **Italian Perspective**
Francesco Falez, MD,
Chief, Santo Spirito Hospital, Rome
Incoming President, Italian Society of Orthopedics and Traumatology Hospital in Italy (OTODI)

4:29 pm **American Perspective**
Michael S. Sirkin, MD
Chief, Orthopaedic Trauma Services
University of Medicine and Dentistry New Jersey-New Jersey Medical School
(UMDNJ-NJMS), USA
Assistant Professor of Clinical Orthopaedics,
UMDNJ-NJMS, USA

4:39 pm

Discussion

4:49 pm

Adjourn

5:30 –
6:30 pm

International Reception

All international attendees are welcome.

2011 OTA / AOA **"Own the Bone"** **Dinner Session**

Marriott Riverwalk Hotel,
Alamo Ballroom C

Wednesday, October 12, 2011

6:00 - 8:00 PM

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 multidisciplinary 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.

Program Objectives

The panel members will discuss their experience with different medical practitioners, working together to introduce Own the Bone and other post-fracture systems-based quality improvement initiatives within their institutions to address patients' bone health and osteoporosis.

2011 OTA Pre-Meeting Course

Young Practitioners Forum

"The Tools for a Sustainable Trauma Career"

Lisa K. Cannada, MD, Chair

Attendees of this activity can earn up to 4.5 AMA PRA Category I Credits™.

*Marriott Riverwalk Hotel,
Alamo Ballroom*

Thursday, October 13, 2011

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.

8:12 –
8:26 am

A Diary of A Fellow's Job Search
Dan D. Kemper, MD
a. How I Approached It
b. Questions I Asked
c. Getting What I Wanted

8:26 –
8:33 am

Making the Most of Your Fellowship
David C. Templeman, MD

8:33 –
8:44 am

My First Years in Practice
Frank A. Liporace, MD
- What I Learned
- What I Wish I Knew
- What I Would Do Differently

8:44 –
9:04 am

**Panel: Career and Employment Horizons:
Identification of Career Destination**
Bruce H. Ziran, MD

Program Thursday, October 13, 2011

8:00 –
8:06 am

Overview
Lisa K. Cannada, MD
- Trauma Profile for Young
Practitioners 2011



8:06 –
8:12 am

Choosing a Fellowship
Christian S. Bromfield, MD

UC Davis
- **The Match Process:**
A Candidate's Experience from
the Trenches
Approaching the Match Process

9:04 am

QUESTIONS

9:16 –
9:26 am

How to Get What You Want in a Hospital
Aaron G. Osborne, DO

9:26 –
9:34 am

How the OTA Can Help Your Career
Jeffrey M. Smith, MD

9:34 –
10:02 am

The Numbers You Need to Know
a. To Negotiate Your Contract
Alan L. Jones, MD
b. To Set Up a Practice
William R. Creevy, MD

10:02 –
10:18 am

QUESTIONS and BREAK

Names in ***Bold*** = Presenter

Register On-line Today at www.ota.org.

Young Practitioners Forum Program, cont'd

10:18 – Things You Never Thought of that
10:30 am Make a Difference
J. Tracy Watson, MD

10:30 – Lessons Regarding Your Practice
10:41 am and Balance
H. Claude Sagi, MD

10:41 – Hints for Personal Financial Management
11:01 am *Roy Sanders, MD*

11:01 – The Most Bizarre Cases I Ever Did
11:13 am *Michael D. McKee, MD*

11:13 am QUESTIONS

11:25 – Keynote Address
11:45 am Medicolegal Information for the Young
Traumatologist: Better Safe than Sorry!
Eric Meinberg, MD

11:45 am – Wrap up
12:00 pm *Lisa K. Cannada, MD*

12:00 – Lunch Panel: The Marriage/Partnership
12:45 pm Ups and Downs of the Traumatologist
Alexandra Schwartz, MD

Panel on Marriage/Divorce/Sacrifice/
My Kids Hate Me and Making it Work!
J. Lawrence Marsh, MD
Robert P. Dunbar, Jr., MD

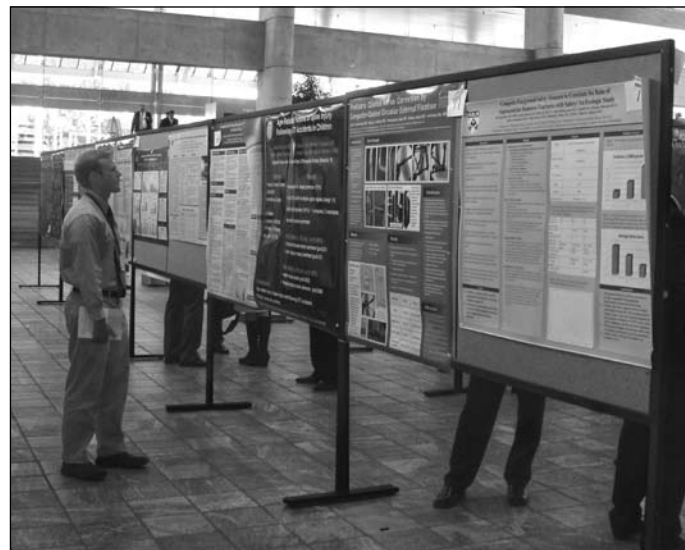
1:00 pm 27th ANNUAL MEETING BEGINS
(Marriott Rivercenter, Grand Ballroom)

Scientific Posters

Marriott Rivercenter Grand Ballroom Foyer

viewing times:

Thursday	11:00 am - 5:00 pm
Friday	6:30 am - 5:00 pm
Saturday	6:30 am - 5:00 pm



Technical Exhibits

Marriott Rivercenter Grand Ballroom (G-J)

will be open:

Friday	6:30 am - 5:00 pm
Saturday	6:30 am - 1:00 pm

Preliminary Program

27th OTA Annual Meeting

Attendees of this activity can earn up to 20+ AMA PRA Category I Credits™.

Thursday – Saturday, October 13 – 15, 2011

Thursday, October 13, 2011

6:30 am **Registration**
(Marriott Rivercenter Grand Ballroom Foyer)

1:00 pm **Welcome**
(Marriott Rivercenter Grand Ballroom)
Andrew N. Pollak, MD OTA President
James A. Goulet, MD Program Chair
Thomas F. Higgins, MD Program Co-Chair
Animesh Agarwal, MD Local Host

1:10 – 1:20 pm **Research and Education Donor Award Presentations**
Andrew N. Pollak, MD
OTA President

1:20 – 2:45 pm **Symposium I:
Geriatric Fractures:
The Role for Trauma
Trained Surgeons**

Moderator: **Clifford B. Jones, MD**
Faculty: **Kyle J. Jeray, MD**
Steven L. Kates, MD
Joseph M. Lane, MD
(Marriott Rivercenter Grand Ballroom)

This symposium will address the changing priorities, landscape, and problems associated with geriatric and osteoporotic fractures. We will discuss the metabolic work up and treatment and the pre- and peri-operative treatment of osteoporotic fractures. We will review treatment problems and options associated with geriatric/osteoporotic fractures. We will also review case studies with audience discussion.

2:45 – 3:42 pm

2:45 pm
Paper #25

2:51 pm
Paper #26

2:57 pm

3:02 pm
Paper #27

3:08 pm
Paper #28

Scientific Session I **Polytrauma**

Moderator: **Victor A. de Ridder, MD, PhD**

Timing of Orthopaedic Surgery in Multiply-injured Patients: Development of a Protocol for Early Appropriate Care
Heather A. Vallier, MD; Xiaofeng Wang, PhD; Timothy A. Moore, MD; John H. Wilber, MD; MetroHealth Medical Center, Cleveland, Ohio, USA

Trends in Musculoskeletal Imaging for Trauma Patients: How Has our Practice Changed Over Time?
Kasra Ahmadinia, MD¹; Charles Ekstein, BS²; Frank Forde¹; Paul Tornetta, III, MD²; Heather A. Vallier, MD¹;
¹MetroHealth Medical Center, Cleveland, Ohio, USA;
²Boston University Medical Center, Boston, Massachusetts, USA

Discussion

Delayed Wound Closure Increases Deep Infection Rate in Lower Grade Open Fractures: A Propensity Matched Cohort Study
Richard J. Jenkinson, MD; Alexander Kiss, PhD; Samuel C. Johnson, MD; David J. Stephen, MD; Hans J. Kreder, MD; University of Toronto, Toronto, Ontario, Canada

Stress-Induced Hyperglycemia is a Risk Factor for Surgical-Site Infection in Non-Diabetic Orthopaedic Trauma Patients
Justin E. Richards, MD; Rondi M. Kauffmann, MD; William T. Obremskey, MD; Addison K. May, MD; Vanderbilt University Medical Center, Nashville, Tennessee, USA

3:14 pm	Discussion
3:19 pm Paper #29	Is Patient Satisfaction After Fracture Predicted by Functional Outcome or Injury Severity? <i>Eric J. Belin, MD¹; Ebrahim Paryavi, MD¹; Renan C. Castillo, PhD²; Robert V. O'Toole, MD¹;</i> ¹ <i>R Adams Cowley Shock Trauma Center, University of Maryland, Baltimore, Maryland, USA</i> ² <i>Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, USA</i>
3:25 pm Paper #30	Does Pain Correlate with Patient Based Functional Outcome Scores After Commonly Operatively Treated Fractures? <i>Clifford B. Jones, MD¹; Debra L. Sietsema, PhD¹; Gillian L. Sembler Soles, MD²; Paul Tornetta, III, MD²;</i> ¹ <i>Orthopaedic Associates of Michigan, Michigan State University, Grand Rapids, Michigan, USA;</i> ² <i>Boston University Medical Center, Boston, Massachusetts, USA</i>
3:31 pm Paper #31	Loss of Follow-Up in Orthopaedic Outcome Studies: Is 80% Follow-Up Still Acceptable? <i>Boris A. Zelle, MD¹; Mohit Bhandari, MD²; Alvaro I. Sanchez, MD¹; Christian Probst, MD³; Hans-Christoph Pape, MD⁴;</i> ¹ <i>University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania, USA;</i> ² <i>McMaster University, Hamilton, Ontario, Canada;</i> ³ <i>University of Witten/Herdecke, Witten, Germany;</i> ⁴ <i>University of Aachen, Aachen, Germany</i>
3:37 pm	Discussion
3:42 pm	Break Visit Scientific Posters (Marriott Rivercenter Grand Ballroom Foyer) & Technical Exhibits (Marriott Rivercenter Grand Ballroom G - J)

4:12 –
5:10 pm

4:12 pm
Paper #32

4:18 pm
Paper #33

4:24 pm
Paper #34

4:30 pm
Paper #35

4:36 pm

Scientific Session II Basic Science

Moderator: *Theodore Miclau, III, MD*

Early Initial Antibiotics and Debridement Independently Reduce Infection in an Open Fracture Model

Jowan G. Penn-Barwell, MB ChB¹;

Clinton K. Murray, MD²;

Joseph C. Wenke, PhD³;

¹*Academic Dept. Military Surgery and Trauma, Royal Centre for Defence Medicine, Birmingham, United Kingdom;*

²*Brooke Army Medical Center,*

Fort Sam Houston, Texas, USA;

³*US Army Institute for Surgical Research,*

Fort Sam Houston, Texas, USA

Effect of Negative Pressure Wound Therapy on the Elution of Antibiotics from Polymethylmethacrylate Beads in a Porcine Simulated Open Femur Fracture Model

Thomas M. Large, MD; Geoffrey Douglas, MD;

Gregory Erickson, MD; J. Kevin Grayson, MD;

David Grant Medical Center, Travis AFB,

South Bend, Indiana, USA

Can We Trust Intraoperative Culture Results in Nonunions?

Daniel T. Altman, MD;

Gregory T. Altman, MD; Jeffrey J. Sewecke, DO;

Trenton M. Gause, BA;

William J. Costerton, PhD;

Allegheny General Hospital,

Pittsburgh, Pennsylvania, USA

Local Antibiotic Delivery by a Bioabsorbable Gel is Superior to PMMA Beads at Reducing Infection in an Open Fracture Model

Jowan G. Penn-Barwell¹;

Clinton K. Murray, MD²;

Joseph C. Wenke, PhD³;

¹*Academic Dept. Military Surgery and Trauma, Royal Centre for Defence Medicine, Birmingham, United Kingdom;*

²*Brooke Army Medical Center,*

Fort Sam Houston, Texas, USA;

³*US Army Institute for Surgical Research,*

Fort Sam Houston, Texas, USA

Discussion

4:41 pm
Paper #36

A Biomechanical Analysis of Lag Screw Position in the Femoral Head for Cephalomedullary Nails

Paul R. Kuzyk, MD¹; Rad Zdero, PhD²; Suraj Shah, BS²; Michael Olsen, PhD¹; James P. Waddell, MD¹; Emil H. Schemitsch, MD¹;

¹*University of Toronto, Toronto, Ontario, Canada;*
²*Ryerson University, Toronto, Ontario, Canada*

4:47 pm
Paper #37

When Does Anterior External Fixation (AEF) Enhance Construct Stability in Zone II Sacral Fractures? A Biomechanical Evaluation

Christian S. Bromfield, MD¹; Erik McDonald, BS²; Michael Leslie, DO³; Jenni M. Buckley, PhD⁴; Mark A. Lee, MD¹; Tania A. Ferguson, MD¹;

¹*UC Davis Dept. of Orthopaedic Surgery, Sacramento, California, USA;*
²*UC San Francisco, San Francisco, California, USA;*
³*Yale University Dept. of Orthopaedic Surgery, New Haven, Connecticut, USA;*
⁴*St. Mary's Hospital/San Francisco Orthopaedic Residency Program, San Francisco, California, USA*

4:53 pm
Paper #38

Are Commercially Available Synthetic Osteoporotic Bone Models Valid?

Edward H. Becker, MD¹; Hyunchul Kim, BS²; Michael J. Shorofsky, BS¹; Adam Hsieh, PhD²; Robert V. O'Toole, MD¹;

¹*R Adams Cowley Shock Trauma Center, University of Maryland, Baltimore, Maryland, USA;*
²*University of Maryland, College Park, Maryland, USA*

4:59 pm
Paper #39

Do Locked Screws Work in Bent Plates?

Christina L. Boulton, MD¹; Hyunchul Kim²; Swapnil B. Shah, MD³; Scott P. Ryan, MD¹; Thomas A. Metzger²; Adam H. Hsieh, PhD²; Robert V. O'Toole, MD¹;

¹*R Adams Cowley Shock Trauma Center, University of Maryland, Baltimore, Maryland, USA;*
²*Orthopaedics Mechanobiology Lab, Dept. of Bioengineering, University of Maryland, College Park, Maryland, USA;*
³*Alameda County Medical Center, Oakland, California, USA*

5:05 pm

Discussion

5:10 –

Member Business Meeting

6:10 pm

6:30 –

Welcome Reception

8:30 pm

Join the OTA for cocktails and a generous assortment of hors d'oeuvres at La Villita. La Villita is a historic arts village and plaza located on the River Walk, a short walk from the Marriott Riverwalk/Rivercenter.



La Villita

Photo courtesy of the San Antonio Convention & Visitor's Bureau / Richard Nowitz

Friday, October 14, 2011

6:30 am **Registration** – (*Marriott Rivercenter Grand Ballroom Foyer*)
Visit Technical Exhibits – (*Marriott Rivercenter Grand Ballroom G - J*)

CHOOSE TO ATTEND ONE: Increase your chances for your first choice, register **EARLY** on-line at www.ota.org.
Please Bring Difficult Cases for Consultation *Tickets are required.*

6:30 am Continental Breakfast

6:45 –
7:45 am

Case Presentations

Marriott Riverwalk Hotel

Orthopaedic Trauma Coding Update (#F1)

Moderator: **William R. Creevy, MD**

Faculty: **J. Scott Broderick, MD and Michael S. Sirkin, MD**

Management of Pelvic and Acetabulum Fractures (#F2)

Moderator: **Paul Tornetta, III, MD**

Faculty: **Clifford B. Jones, MD; Robert F. Ostrum, MD;**
William M. Ricci, MD and Wade R. Smith, MD

Challenging Hip Fractures-When the Fracture Table Doesn't Work (#F3)

Moderator: **Amer J. Mirza, MD**

Faculty: **David P. Barei, MD; Daren Freiss, MD; James C. Krieg, MD and Samir Mehta, MD**

New Approaches to Difficult Tibial Plateau Fractures (#F4)

Moderator: **David C. Templeman, MD**

Faculty: **James A. Goulet, MD; J. Tracy Watson, MD and Robert A. Winkquist, MD**

Treatment of Clavicle Shaft Fractures: Straightforward, Right? (#F5)

Moderator: **Jaimo Ahn, MD, PhD**

Faculty: **Erik Kubiak, MD and Michael D. McKee, MD**

8:00 –
9:30 am

Symposium II: Pain Management in Trauma: Risk to Patients, Burden on Surgeons, Opportunity for Improvement

Moderator: **Thomas F. Higgins, MD**

Faculty: **Mark S. Vrahas, MD**

Jeffrey D. Swenson, MD

(*Marriott Rivercenter Grand Ballroom*)

9:30 am –
10:00 am

Morality from oral prescription opiates is approaching epidemic levels nationally. Orthopaedic surgeons are under ever-increasing pressure to provide near complete analgesia, even in the setting of acute trauma and post-trauma recovery. Meeting these demands comes with significant risks to the patient's health and the physician's practice. The symposium aims to describe the risks inherent in pain management, and elucidate strategies for dealing with patients demands, and offer alternatives to opiate pain medicine in the acute setting.

Break

Visit Scientific Posters

(*Marriott Rivercenter Grand Ballroom Foyer*)

& Technical Exhibits

(*Marriott Rivercenter Grand Ballroom G - J*)

10:00 –
11:14 am

Scientific Session III Pelvis and Spine

Moderators: *John T. Ruth, MD*
Pierre Guy, MD, MBA

10:00 am
Paper #40

Cervical Spine Clearance Protocols in Level I, II and III Trauma Centers in the State of California

Murat Pekmezci, MD; Roberto Dinisio, BS; Christopher Nystuen, MD; Geoffrey Manley, MD; Robert Mackersie, MD; Trigg R. McClellan, MD; University of California San Francisco, San Francisco General Hospital, San Francisco, California, USA

10:06 am
Paper #41

Vertebral Artery Injury Associated with Blunt Cervical Spine Trauma: A Multicenter Study

Darren R. Lebl, MD¹; Kirkham B. Wood, MD²; George Velmahos, MD²; Umesh Metkar, MD³; Christopher M. Bono, MD⁴; Mitchel B. Harris, MD⁴; ¹The Hospital for Special Surgery, New York, New York, USA; ²Massachusetts General Hospital, Boston, Massachusetts, USA; ³Beth Israel Deaconess Medical Center, Boston, Massachusetts, USA; ⁴Brigham and Women's Hospital, Boston, Massachusetts, USA

10:12 am

Discussion

10:17 am
Paper #42

The Clinical Efficacy of Compressive Trans-sacral Screw Fixation for Unstable Posterior Pelvic Ring Injuries

William Min, MD¹; Monique Chambers, BS¹; Michael Leslie, DO²; Mark A. Lee, MD¹; Tania A. Ferguson, MD¹; ¹University of California, Davis Medical Center, Sacramento, California, USA; ²Yale University School of Medicine, New Haven, Connecticut, USA

10:23 am
Paper #43

An Analysis of the Demographic and Technical Characteristics Associated with Iliac Cortical Perforation During Insertion of Iliosacral Screws

James Stuart Melvin, MD¹; Nicholas Pulos, BA²; Keith Baldwin, MD, MPH, MSPT²; Amer Mirza, MD³; Michael J. Gardner, MD⁴; Samir Mehta, MD²; ¹Carolinas Medical Center, Charlotte, North Carolina, USA; ²University of Pennsylvania, Philadelphia, Pennsylvania, USA; ³Oregon Health & Science University, Portland, Oregon, USA; ⁴Washington University, St. Louis, Missouri, USA

10:29 am
Paper #44

Can a Single Screw Be Used For Bilateral SI Fixation?

Jason Alan Patterson, MD¹; Patrick Liu, MD²; Ryan McLemore, MD¹; ¹Banner Good Samaritan Medical Center, Phoenix, Arizona, USA; ²Mayo Clinic Phoenix, Phoenix, Arizona, USA

10:35 am

Discussion

10:40 am
Paper #45

Critical Analysis of Pelvic Angiography for Trauma and Development of a Scoring System

Maria Iannolo, MD; Jonathan M. Gross, MD; Catherine A. Humphrey, MD; Mark L. Prasarn, MD; John P. Ketz, MD; University of Rochester Medical Center, Rochester, New York, USA

10:46 am
Paper #46

The Importance of Trauma-Center Care on Mortality and Function following Pelvic Ring and Acetabular Injuries

Saam Morshed, MD¹; Gregory J. Jurkovich, MD²; Jin Wang, PhD²; Simon Knops, MD¹; Frederick P. Rivara, MD²; ¹University of California San Francisco, San Francisco, California, USA; ²University of Washington School of Medicine, Seattle, Washington, USA

10:52 am

Discussion

10:57 am
Paper #47
Quality of Life and Sexual Function Following Traumatic Pelvic Fracture
Katherine F. Harvey-Kelly, MD¹;
Nikolaos K. Kanakaris, MD²;
Oghor Opakponovwe, MD²;
Mudussar Ahmad, MD²;
Robert M. West, MD³;
Peter V. Giannoudis, MD¹;
¹*Academic Dept. of Trauma & Orthopaedics, School of Medicine, Leeds University, Leeds, United Kingdom;*
²*Leeds Teaching Hospitals NHS Trust, Leeds, United Kingdom;*
³*Biostatistics Unit, University of Leeds, Leeds, United Kingdom*

11:03 am
Paper #48
Quality of Life Following Acetabular Fracture Surgery, Importance of Reduction
Tomas Borg, MD; Sune Larsson, PhD;
Dept. of Orthopaedic Surgery, Uppsala University, Uppsala, Sweden

11:09 am
Discussion

11:14 am – 12:06 pm *Scientific Session IV* **Tibia**

Moderator: *Thomas F. Higgins, MD*

11:14 am
Paper #49
Measurement of Tissue Oxygenation as a Novel Approach to Diagnosis of Compartment Syndrome
*Erik H. Hansen, MD¹;**James M. Mok, MD²;*
*Givenchy Manzano, BS¹;**Utku Kandemir, MD¹;*
¹*University of California San Francisco, San Francisco, California, USA;*
²*Orthopaedic Surgery Service, Madigan Army Medical Center, Tacoma, Washington, USA*

11:20 am
Paper #50
Fasciotomy for Acute Compartmental Syndrome Increases the Incidence of Infection, Non-union and Delayed Union of Operatively Treated Tibial Fractures
*Dan Kemper, MD¹;**Murat Erdogan, MD²;*
*Alejandro Castellvi, BS¹;**H. Claude Sagi, MD¹;*
¹*Florida Orthopaedic Institute, Tampa, Florida, USA;*
²*Ondokuz Mayis University, Samsun, Turkey*

11:26 am
Paper #51
Do Intracompartmental Pressure Measurements Have a High False Positive Rate in Diagnosing Compartment Syndrome?
Augusta Whitney, MD¹;
*Robert V. O'Toole, MD¹;**Emily Hui, BS¹;*
Marcus F. Sciadini, MD¹;
Andrew N. Pollak, MD¹;
Theodore T. Manson, MD¹;
W. Andrew Eglseder, MD¹;
Christopher Doro, MD²;
Jason W. Nascone, MD¹;
¹*R Adams Cowley Shock Trauma Center, Dept. of Orthopaedics, University of Maryland, Baltimore, Maryland, USA;*
²*Dept. of Orthopaedics, University of Wisconsin School of Medicine, Madison, Wisconsin, USA*

11:32 am
Discussion

11:37 am
Paper #52
The Insertion of IMN Locking Screws without Fluoroscopy: A Faster and Safer Technique
Daniel Steven Chan, MD¹;
*Brandon Burris, MD²;**Murat Erdogan, MD³;*
*H. Claude Sagi, MD¹;**Roy Sanders, MD¹;*
¹*Florida Orthopaedic Institute, Tampa, Florida, USA;*
²*University of South Florida, Tampa, Florida, USA;*
³*Ondokuz Mayis University, Samsun, Turkey*

11:43 am
Paper #53
A Comparison of Efficacy and Resource Utilization Between Acute BMP-2 and SOC in Type III Open Tibia Fractures: A Multi-Center PRCT
OREF Tibia Fracture BMP Cost Study Group SAA;
Carolinas Medical Center, Charlotte, North Carolina, USA

11:49 am
Paper #54
The Role of Antibiotics in Open Fractures Revisited: Characteristics of Staphylococcus Aureus (SA) and Susceptibility Profile
*Carla C. Saveli, MD¹;**Steven J. Morgan, MD²;*
*Robert W. Belknap, MD¹;**Erin Ross, BS¹;*
*Philip F. Stahel, MD¹;**David J. Hak, MD¹;*
*Walter L. Biffi, MD¹;**Connie S. Price, MD¹;*
¹*University of Colorado Denver, Aurora, Colorado, USA;*
²*Swedish Medical Center, Englewood, Colorado, USA*

11:55 am Paper #55 **Tibia Nonunion Prediction: Is It Possible?**
Justin S. Yang, MD; Jesse Otero, MD;
Christopher M. McAndrew, MD;
William M. Ricci, MD;
Michael J. Gardner, MD;
Washington University School of Medicine,
St. Louis, Missouri, USA

12:01 pm **Discussion**

12:06 – **Lunch**
 1:00 pm **Visit Scientific Posters**
(Marriott Rivercenter Grand Ballroom Foyer)
& Technical Exhibits
(Marriott Rivercenter Grand Ballroom G - J)

12:06 – **Kathy Cramer, MD Memorial**
 1:00 pm **Women in**

Orthopaedic Trauma
Luncheon/Meeting

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



Pre-Registration is required.

1:00 –
 2:30 pm

Concurrent Sessions

Skills Labs and Mini Symposia

CHOOSE TO ATTEND ONE:

Increase your chances for your first choice, register EARLY on-line at www.ota.org.
Tickets are required.

Mini Symposia

Marriott Riverwalk Hotel

The “Not So Simple” Ankle Fracture – Avoiding Problems and Pitfalls to Improve Patient Outcome (#F6)

Moderator: *David J. Hak, MD*

Faculty: *Kenneth A. Egol, MD; Michael J. Gardner, MD and Andrew Haskell, MD*

Amputations in Trauma: Getting the Most Out of Your Limb (#F7)

Moderators: *Paul G. Dougherty, MD and Lisa K. Cannada, MD*

Faculty: *Romney C. Andersen, MD and Rahul Vaidya, MD*

Preoperative Nightmares – What is the Evidence? (#F8)

Moderator: *John T. Gorczyca, MD*

Faculty: *Michael A. Miranda, MD; Kevin J. Pugh, MD and Jeffrey M. Smith, MD*

Fundamentals in Trauma I (#F9)

Moderator: *Robert F. Ostrum, MD*

Faculty: *Frank A. Liporace, MD; Steven J. Morgan, MD; Thomas F. Varecka, MD and J. Tracy Watson, MD*

Skills Labs

Henry B. Gonzalez Convention Center

ORIF Distal Radius Fractures (#F10)

Moderator: *Margaret M. McQueen, MD*

Faculty: *TBD*

ORIF Periprosthetic Fractures of the Femur (#F11)

Moderator: *George H. Haidukewych, MD*

Faculty: *Cory A. Collinge, MD; Joshua Langford, MD and Bruce H. Ziran, MD*

Continued on next page.

1:00 –
2:30 pm

Concurrent Sessions, Continued

Skills Labs, Continued

ORIF Distal Tibia and Fibula Fractures (#F12)

Moderator: **Jason W. Nascone, MD**

Faculty: **Matt L. Graves, MD; Christopher T. LeBrun, MD; Robert V. O'Toole, MD**
and Marcus F. Sciadini, MD

SIGN Nailing (#F13)

Moderator: **Lewis G. Zirkle, Jr., MD**

Faculty: **Tobias Otieno, MD; Faseeh Shahab, MD; John W. Staeheli, MD; David C. Templeman, MD;**
M. Ismail Wardak, MD and Frederick B. Wilson, Jr., MD

2:30 –
3:00 pm

President's Message

"Overcoming Challenges to
Fulfilling our Mission in
Patient Care and Education"

Andrew N. Pollak, MD

(Marriott Rivercenter Grand Ballroom)



3:36 pm
Paper #57

Computed Tomography (CT) Scan to Detect Traumatic Arthrotomies of the Knee Joint

Sanjit R. Konda, MD;
Roy I. Davidovitch, MD;
Kenneth A. Egol, MD;
NYU Hospital for Joint Diseases,
New York, New York, USA

3:42 pm

Discussion

3:00 –
3:30 pm

Break

Visit Scientific Posters

(Marriott Rivercenter Grand Ballroom Foyer)

& Technical Exhibits

(Marriott Rivercenter Grand Ballroom G - J)

3:47 pm
Paper #58

Immediate Primary Repair and Early Range of Motion of Acute Multiligamentous Knee Injuries: A Prospective Cohort Study

Philipp N. Streubel, MD¹;
Justin E. Richards, MD²;
William T. Obrebsky, MD³;
Vanderbilt Medical Center,
Nashville, Tennessee, USA

3:30 –
5:01 pm

Scientific Session V Knee, Foot & Ankle

Moderators: **Michael J. Gardner, MD**

Shepard R. Hurwitz, MD

3:53 pm
Paper #59

Predictors of Knee Stiffness After Periarticular Fracture

Julius A. Bishop, MD¹; **Julie Agel, ATC²;**
Robert Dunbar, MD²;
¹**Stanford University Medical Center,**
Redwood City, California, USA;
²**Harborview Medical Center,**
Seattle, Washington, USA

3:30 pm
Paper #56

Definitive Plates Overlapping Provisional External Fixator Pin Sites: Is the Infection Risk Increased?

Chirag M. Shah, MD;
Olubusola Brimmo, MD;
William M. Ricci, MD;
Michael J. Gardner, MD;
Washington University School of Medicine,
St. Louis, Missouri, USA

3:59 pm

Discussion

4:04 pm
Paper #60
Is Fixation of the Medial Malleolus Necessary?
Paul Tornetta, III, MD; Virginia Mooney, MD; Jason Pittman, MD; James Daley; Boston University Medical Center, Boston, Massachusetts, USA

4:10 pm
Paper #61
Posterolateral Antiglide vs Lateral Plating for SE Pattern Ankle Fractures: A Multicenter Randomized Control Trial
Paul Tornetta, III, MD¹; Laura Phieffer, MD²; Clifford B. Jones, MD³; Janos P. Ertl, MD⁴; Brian Mullis, MD⁴; Kenneth A. Egol, MD⁵; Michael J. Gardner, MD⁶; William M. Ricci, MD⁶;
¹*Boston University Medical Center, Boston, Massachusetts, USA;*
²*Ohio State University Medical Center, Columbus, Ohio, USA;*
³*Orthopaedic Associates of Michigan, Grand Rapids, Michigan, USA;*
⁴*Indiana University, Indianapolis, Indiana, USA;*
⁵*NYU Hospital for Joint Disease, New York, New York, USA;*
⁶*Barnes-Jewish Hospital, St. Louis, Missouri, USA*

4:16 pm
Discussion

4:21 pm
Paper #62
Efficacy of Popliteal Block in Post-Operative Pain Control After Ankle Fracture Fixation: A Prospective Randomized Study
Rachel Y. Goldstein, MD; Nicole Montero, BA; Toni McLaurin, MD; Sandra Starcic-Herrera, MD; Kenneth A. Egol, MD; Nirmal C. Tejwani, MD; NYU Hospital for Joint Diseases, New York, New York, USA

4:27 pm
Paper #63
Twenty Year Follow Up of Conservatively Treated Isolated Posterior Malleolar Ankle Fractures: A Case Series
Christian Donken, MD¹; Michael Verhofstad, PhD²; Michael Edwards, PhD²; Cees van Laarhoven, PhD¹;
¹*Radboud University Nijmegen Medical Centre, Nijmegen, Netherlands;*
²*Elisabeth Hospital, Tilburg, Netherlands*

4:33 pm
Discussion

4:38 pm
Paper #64
TEFTOM – A Promising General Trauma Outcome Measure? Results of a Validation Study of Pan-American Ankle Trauma Patients
Michael Suk, MD¹; Monica Daigl Cattaneo²; Richard E. Buckley, MD³; Cleber A.J. Paccola, MD⁴; Dean G. Lorich, MD⁵; David L. Helfet, MD⁶; Beate Hanson, MD²;
¹*University of Florida, Jacksonville, Florida, USA;*
²*AO Foundation, Clinical Investigation and Documentation, Dübendorf, Switzerland;*
³*Foothills Medical Centre, Calgary, Alberta, Canada;*
⁴*Ribeirao Preto Medical School, Sao Paulo, Brazil;*
⁵*New York Presbyterian Hospital, New York, New York, USA;*
⁶*Hospital for Special Surgery, New York, New York, USA;*

4:44 pm
Paper #65
Payer Status Negatively Influences Initial Treatment at Community Hospitals Compared to a Tertiary Care Center: A Prospective Study of 300 Operative Ankle Fractures
Michael T. Archdeacon, MD; Sudhir R. Belagaje, MD; University of Cincinnati, Dept. of Orthopaedic Surgery, Cincinnati, Ohio, USA

4:50 pm
Paper #66
Payer Status and Increased Distance Traveled for Fracture Care in a Rural State
William Lack, MD; Julian Carlo, MD; J. Lawrence Marsh, MD; University of Iowa Hospitals and Clinics, Iowa City, Iowa, USA

4:56 pm
Discussion

5:01 pm
Adjourn

5:30 –
6:30 pm
OTA Military Reception



Saturday, October 15, 2011

6:30 am **Registration** – (Marriott Rivercenter Grand Ballroom Foyer)
Visit Technical Exhibits – (Marriott Rivercenter Grand Ballroom G - J)

CHOOSE TO ATTEND ONE: Increase your chances for your first choice, register EARLY on-line at www.ota.org.
Please Bring Difficult Cases for Consultation *Tickets are required.*

6:30 am Continental Breakfast

6:45 – **Case Presentations** *Marriott Riverwalk Hotel*
7:45 am

Proximal Humerus Fractures – Current Concepts (#S1)

Moderator: **Michael J. Gardner, MD**

Faculty: **Clifford B. Jones, MD; Utku Kandemir, MD; Samir Mehta, MD and James R. Ringler, MD**

Practical Issues in Clinical Research (#S2)

Moderator: **Theodore Miclau, III, MD and Mohit Bhandari, MD**

Faculty: **Gerard P. Slobogean, MD, MPH and Michael P. Zlowodzki, MD**

Evaluation and Management of Complex Pediatric Elbow Fractures (#S3)

Moderator: **David A. Podeszwa, MD**

Faculty: **Christine A. Ho, MD; Anthony I. Riccio, MD and Robert L. Wimberly, MD**

Pelvic Ring Injuries: Surgical Treatment of Instability (#S4)

Moderators: **James C. Krieg, MD and M.L. Chip Routt, Jr., MD**

Faculty: **Mark C. Reilly, MD**

Scapula Fracture Injuries and Treatment (#S5)

Moderator: **William T. Obrebsky, MD**

Faculty: **Peter A. Cole, MD; Clifford B. Jones, MD and Paul Tornetta, III, MD**

8:00 –
9:30 am

Symposium III: Managing an Orthopaedic Trauma Practice: Strategies for Turbulent Times

Moderator: **William R. Creevy, MD**

(Marriott Rivercenter Grand Ballroom)

This symposium will address practice management issues related to the orthopaedic trauma surgeon. The OTA membership has been surveyed to determine the most relevant and interesting topics.

9:30 am –
10:00 am

Break

Visit Scientific Posters

(Marriott Rivercenter Grand Ballroom Foyer)
& Technical Exhibits
(Marriott Rivercenter Grand Ballroom G - J)

10:00 am –
12:00 pm

Scientific Session VI *Pediatrics,* *Geriatrics, Hip,* *Femur and* *Injury Prevention*

Moderators: *James A. Goulet, MD*
Victor A. de Ridder, MD, PhD

10:00 am
Paper #67

A Prospective Evaluation of Post–Traumatic Stress Disorder and Parent Stress in Children Exposed to Orthopaedic Trauma
Meagan Wallace, MD; Aki Puryear, MD;
Lisa K. Cannada, MD;
Saint Louis University, Clayton, Missouri, USA

10:06 am
Paper #68

Does Following the AAOS and AAP Guidelines for Trampoline Use Decrease the Severity of Pediatric Trampoline Injuries? A Prospective Study.
James R. Phelps, MD¹; Christine Ann Ho, MD²;
Pam Okada, MD²; Neal Evans, MD³;
¹University of Texas Southwestern Medical School, Dallas, Texas, USA;
²Texas Scottish Rite Hospital for Children, Children's Medical Center, Dallas, Texas, USA;
³Cook Children's Hospital, Fort Worth, Texas, USA

10:12 am

Discussion

10:17 am
Paper #69

Pediatric Type 2 Supracondylar Humerus Fractures: Does Time to Surgery Matter?
A. Noelle Larson, MD¹; Sumeet Garg, MD²;
Amanda Weller, MD³; Nicholas D. Fletcher, MD⁴;
Jonathan Schiller, MD⁵; Michael Kwon, MD⁶;
Lawson A.B. Copley, MD⁶;
Christine Ann Ho, MD⁶;
¹University of Minnesota, Minneapolis, Minnesota, USA;
²Denver Children's Hospital, Denver, Colorado, USA;
³University of Texas Southwestern Medical School, Dallas, Texas, USA;
⁴Emory University, Atlanta, Georgia, USA;
⁵Brown University, Providence, Rhode Island, USA;
⁶Texas Scottish Rite Hospital for Children, Children's Medical Center, Dallas, Texas, USA

10:23 am
Paper #70

Management of the Pediatric Pulseless Supracondylar Humerus Fracture: Is Vascular Exploration Necessary?
Amanda L. Weller, MD¹; Sumeet Garg, MD²;
A. Noelle Larson, MD³;
Nicholas D. Fletcher, MD⁴;
Jonathan R Schiller, MD⁵;
Michael Kwon, MD⁶;
Lawson A.B. Copley, MD⁶;
Christine Ann Ho, MD⁶;
¹University of Texas Southwestern Medical School, Dallas, Texas, USA;
²Denver Children's Hospital, Denver, Colorado, USA;
³University of Minnesota, Minneapolis, Minnesota, USA;
⁴Emory University, Atlanta, Georgia, USA;
⁵Brown University, Providence, Rhode Island, USA;
⁶Texas Scottish Rite Hospital for Children Children's Medical Center, Dallas, Texas, USA

10:29 am

Discussion

10:34 am
Paper #71

Functional Outcomes of Non–Operative Treatment of Geriatric Acetabular Fractures Meeting Operative Criteria
Scott Ryan, MD; Robert V. O'Toole, MD;
Christopher Lebrun, MD;
Jason W. Nascone, MD;
Marcus F. Sciadini, MD;
R Adams Cowley Shock Trauma Center, University of Maryland, Baltimore, Maryland, USA

10:40 am
Paper #72

Functional Outcomes in Elderly Patients with Acetabular Fractures Treated with Minimally Invasive Reduction and Percutaneous Fixation
Joshua L. Gary, MD; Michael VanHal, MD;
Charles M. Reinert, MD; Adam J. Starr, MD;
University of Texas Southwestern Medical Center, Dallas, Texas, USA

10:46 am
Paper #73

Surgical Treatment Improves Clinical and Functional Outcomes for Patients who Sustain Incomplete Bisphosphonate Induced Femur Fractures
Kenneth A. Egol, MD; Colin J. Prenskey, BA;
Ji Hae Park, BS; Zehava S. Rosenberg, MD;
Tejwani J. Nirmal, MD;
NYU Hospital for Joint Diseases, New York, New York, USA

10:52 am

Discussion

Saturday, October 15, 2011, continued

10:57 am Paper #74	Patient Variables which may Predict Length of Stay and Incurred Hospital Costs in Elderly Patients with Low Energy Hip Fracture <i>Anna E. Garcia, BS¹; J.V. Bonnaig, BS²; Zachary T. Yoneda, BS¹; Justin E. Richards, MD¹; Jesse M. Ehrenfeld, MD¹; Manish K. Sethi, MD¹; Amir Alex Jahangir, MD¹; William T. Obremskey, MD¹;</i> ¹ <i>Vanderbilt University Medical Center, Nashville, Tennessee, USA;</i> ² <i>Meharry Medical College, Nashville, Tennessee, USA</i>	11:26 am Paper #78	Clinical Outcomes of Locked Plating of Distal Femoral Fractures <i>Martin F. Hoffman, MD¹; Clifford B. Jones, MD²; Debra L. Sietsema, PhD²; Scott J. Koenig, MD³; Paul Tornetta, III, MD³; Benjamin T. Maatman, BS⁴;</i> ¹ <i>Grand Rapids Medical Education Partners, Grand Rapids, Michigan, USA;</i> ² <i>Orthopaedic Associates of Michigan; Michigan State University, Grand Rapids, Michigan, USA;</i> ³ <i>Boston University Medical Center, Boston, Massachusetts, USA;</i> ⁴ <i>Wayne State University, Detroit, Michigan, USA</i>
11:03 am Paper #75	DVT Prophylaxis and Mortality Post Hip Fracture <i>Pierre Guy, MD¹; Rik W. Nienhuis, MD²; Kelly Lefaivre, MD¹; Lisa Kuramoto¹; Sobolev Boris, PhD¹;</i> ¹ <i>University of British Columbia, Vancouver, British Columbia, Canada;</i> ² <i>University of Groningen, Groningen, Netherlands</i>	11:32 am Paper #79	Locking Plate Fixation versus Cephalomedullary Nailing of Unstable Proximal Femur Fractures: A Comparative Cohort Study <i>Philipp N. Streubel, MD; Michael J. Moustoukas, MD; Aaron M. Perdue, MD; Philip J. Kregor, MD; William T. Obremskey, MD;</i> <i>Vanderbilt Medical Center, Nashville, Tennessee, USA</i>
11:09 am Paper #76	Effect of Fracture Displacement and Surgical Treatment Modality on Rate of Revision Surgery Following Femoral Neck Fracture <i>Donavan Murphy, MD; Timmothy Randell, MD; Juhee Song, MD; Kindyle Brennan, MD; Michael Brennan, MD; Robert Probe, MD;</i> <i>Scott & White Memorial Hospital, Temple, Texas, USA</i>	11:38 am 11:43 am Paper #80	Discussion Post-Splinting Xrays of Minimally Displaced Fractures: Good Medicine or Medicolegal? <i>Sonia Chaudhry, MD¹; Edward M. DelSole, BS²; Kenneth A. Egol, MD³;</i> <i>NYU Hospital for Joint Diseases, New York, New York, USA</i>
11:15 am	Discussion	11:49 am Paper #81	Beyond The Five Second Rule: What To Do with Drop-Contaminated Bone? <i>Chad A. Krueger, MD¹; Daniel J. Stinner, MD¹; Brendan D. Masini, MD¹;</i> <i>Joseph C. Wenke, PhD²; Joseph R. Hsu, MD²;</i> ¹ <i>Brooke Army Medical Center, San Antonio, Texas, USA;</i> ² <i>United States Army Institute of Surgical Research, Fort Sam Houston, Texas, USA</i>
11:20 am Paper #77	Pain and Satisfaction with Pain Management in Hospitalized Trauma Patients <i>Kristin R. Archer, PhD¹; Renan Castillo, PhD²; Stephen Wegener, PhD³; Christine M. Abraham¹; William T. Obremskey, MD¹;</i> ¹ <i>Vanderbilt University Medical Center, Nashville, Tennessee, USA;</i> ² <i>Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, USA;</i> ³ <i>Johns Hopkins Medicine, Baltimore, Maryland, USA</i>	11:55 am 12:00 – 1:00 pm	Discussion Lunch Visit Scientific Posters <i>(Marriott Rivercenter Grand Ballroom Foyer)</i> LAST OPPORTUNITY TO VISIT Technical Exhibits <i>(Marriott Rivercenter Grand Ballroom G - J)</i>

1:00 –
2:30 pm

Concurrent Sessions

Skills Labs and Mini Symposia

CHOOSE TO ATTEND ONE:

Increase your chances for your first choice, register EARLY on-line at www.ota.org.
Tickets are required.

Mini Symposia

Marriott Riverwalk Hotel

Complex Trauma from Combat – Reconstruction, Rehab and Orthotics (#S6)

Moderators: **COL Romney C. Andersen, MD and LTC Joseph R. Hsu, MD**

Faculty: **Ryan Blanck, CPO; CDR Mark Fleming, MD; Lt COL Wade Gordon, MD; LTC Kevin Kirk, MD and Johnny C. Owens, MPT**

Making Medicine's Voice Heard: Media Relations and Political Advocacy (#S7)

Moderator: **Jeffrey M. Smith, MD**

Faculty: **Patricia Clark and Andrew N. Pollak, MD**

2 Minutes/ 2 Slides: Upper Extremity Technical Tips and Tricks (#S8)

Moderator: **Pierre Guy, MD, MBA**

Faculty: **Edward J. Harvey, MD; Michael D. McKee, MD; David C. Ring, MD and Paul Tornetta, III, MD**

Fundamentals in Trauma II (#S9)

Moderator: **Robert F. Ostrum, MD**

Faculty: **Frank A. Liporace, MD; Thomas F. Varecka, MD and J. Tracy Watson, MD**

Skills Labs

Henry B. Gonzalez Convention Center

IM Fixation of Proximal Tibial Fractures (#S10)

Moderator: **Mark A. Lee, MD**

Faculty: **Christopher Finkemeier, MD; Jason W. Roberts, MD and Brad Yoo, MD**

IM Fixation of Proximal Femur Fractures (#S11)

Moderator: **Kenneth J. Koval, MD**

Faculty: **Michael Charlton, MD; Kenneth A. Egol, MD; Joshua Langford, MD; Hassan R. Mir, MD and Mark Munro, MD**

ORIF Distal Femur Fractures (#S12)

Moderator: **Steven J. Morgan, MD**

Faculty: **Michael S. Sirkin, MD and Bruce H. Ziran, MD**

2:30 –
3:00 pm

John Border Memorial Lecture

(Marriott Rivercenter Grand Ballroom)

Introduction

Andrew N. Pollak, MD, OTA President

Femoral Neck Fracture Management – WWJD (John)?

Marc F. Swiontkowski, MD
CEO, TRIA Orthopaedic Center;
Professor, Orthopaedic Surgery,
University of Minnesota



3:00 pm

Break

Visit Scientific Posters

(Marriott Rivercenter Grand Ballroom Foyer)

3:30 –
4:50 pm

Scientific Session VII Reconstruction, Upper Extremity, Wrist & Hand

Moderators: *Michael J. Gardner, MD*
Robert V. O'Toole, MD

3:30 pm
Paper #82

The Fate of Patients After a Staged Nonunion Procedure for Known Infection
Paul Tornetta, III, MD¹; Kevin Dale, MD¹; Clifford B. Jones, MD²; Brian H. Mullis, MD³; Kenneth A. Egol, MD⁴; Elliot Robinson, MD⁵; Michael J. Bosse, MD⁵; Andrew H. Schmidt, MD⁶;
¹*Boston University School of Medicine, Boston, Massachusetts, USA*
²*Orthopaedic Associates of Michigan, Michigan State University, Grand Rapids, Michigan, USA*
³*Indiana University, Indianapolis, Indiana, USA;*
⁴*NYU Hospital for Joint Diseases, New York, New York, USA;*
⁵*Carolinas Medical Center, Charlotte, North Carolina, USA;*
⁶*Hennepin County Medical Center, Minneapolis, Minnesota, USA*

3:36 pm
Paper #83

Does BMP-2 Increase the Incidence of Peri-Operative Wound Complications or Re-Operation?
Daniel Steven Chan, MD¹; Joshua Garland, MD²; Anthony Infante, MD¹; Roy Sanders, MD¹; H. Claude Sagi, MD¹;
¹*Florida Orthopaedic Institute, Tampa, Florida, USA;*
²*Naval Medical Center, Portsmouth, Virginia, USA*

3:42 pm

Discussion

3:47 pm
Paper #84

Improved Outcome Following Primary Operative Fixation of Displaced Midshaft Fractures of the Clavicle Persists at Two Years Post-Injury: Implications for Clinical Treatment, Future Trials, and Economic Analysis
Laura A. Schemitsch; Emil H. Schemitsch, MD; Christian Veillette, MD; Olivia Y. Cheng, MD; Michael D. McKee, MD;
St. Michael's Hospital, Toronto, Ontario, Canada

3:53 pm
Paper #85

Acute versus Late Intervention in Clavicle Fractures
Ben Ollivere, MD; Avishek Das; Kathleen Elliott; Phillip Johnston, MD; Graham Tytherleigh-Strong; Lee van Rensburg;
Addenbrooke's Hospital, Cambridge University NHS Trust, Eye, Suffolk, United Kingdom

3:59 pm
Paper #86

Clinical and Financial Comparison of Operative and Non-Operative Treatment of Displaced Clavicle Fractures
Peter Althausen, MD¹; Steven Shannon, BS²; Timothy J. O'Mara, MD¹; Timothy J. Bray, MD¹;
¹*Reno Orthopaedic Clinic, Reno, Nevada, USA;*
²*University of Nevada School of Medicine, Reno, Nevada, USA*

4:05 pm

Discussion

4:10 pm
Paper #87

Determining the Efficacy of Screw and Washer Fixation as a Method for Securing an Olecranon Osteotomy Following the Treatment of Intraarticular Distal Humerus Fractures
Barrett I. Woods, MD; Andrew Evans, MD; Robert Hartman, MD; Peter Siska, MD; Gary Gruen, MD; Ivan Tarkin, MD;
University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania, USA

4:16 pm
Paper #88

Simple Dislocation of the Elbow is Associated with Good Long Term Patient Reported Outcomes but Persisting Pain and Stiffness are Common
Scott D. Middleton, MD; Paul J. Jenkins, MD; Margaret M. McQueen, MD; Charles M. Court-Brown, MD;
Orthopaedic Trauma Unit, Royal Infirmary of Edinburgh, Edinburgh, United Kingdom

4:22 pm
Paper #89

Predictors of Fracture Following Suspected Injury to the Scaphoid
Andrew D. Duckworth¹; Geert A. Buijze, MD²; Stuart A. Aitken¹; Matthew Moran¹;
Alasdair Gray, MD³;
Charles M. Court-Brown, MD¹;
David Ring, MD²; Margaret M. McQueen, MD¹;
¹*Edinburgh Orthopaedic Trauma Unit, Royal Infirmary of Edinburgh, Edinburgh, Scotland, United Kingdom;*
²*Hand and Upper Extremity Service, Massachusetts General Hospital, Boston, Massachusetts, USA;*
³*Emergency Dept., Royal Infirmary of Edinburgh, Edinburgh, Scotland, United Kingdom*

- 4:28 pm Discussion
- 4:33 pm A Prospective Randomized Controlled Trial
Paper #90 Comparing Occupational Therapy with
Independent Exercises After Volar Plate
Fixation of a Fracture of the Distal Radius
*Sebastiaan Sour, MD; Geert Buijze, MD;
Massachusetts General Hospital,
Boston, Massachusetts, USA*
- 4:39 pm A Randomised Prospective Clinical Trial
Paper #91 Comparing Treatment of Distal Radius
Fractures with Volar Locking Plate and
Conventional Percutaneous Methods
*Alexia Karantana, MD;
Queens Medical Centre, Nottingham University
Hospitals NHS Trust, Nottingham,
United Kingdom*
- 4:45 pm Discussion
- 4:50 pm Closing Remarks and Adjourn

Please share the following excellent educational opportunity with residents.

**The OTA Comprehensive Fracture Course
for Residents is offered
October 12 - 15, 2011
at Henry B. Gonzalez Convention Center.**

Co-chairs: Laura J. Prokuski, MD
Michael T. Archdeacon, MD

*It would be difficult to match the
collective knowledge, experience,
and commitment to teaching of
the outstanding faculty!
Visit www.ota.org for preliminary
program and online registration.*



Laura J. Prokuski, MD

Additional OTA Educational Opportunities

OTA Membership Application Deadline

(Sponsorship forms available at the Membership Booth at the Convention Center - Apply Online.)

November 1, 2011

Advanced Trauma Techniques Course for Residents* (PGY 4-5)

January 12 - 15, 2012

Florida (*location tentative*)

OTA Specialty Day

Saturday, February 11, 2012

San Francisco, California

OTA Comprehensive Fracture Course for Residents 2.0*

March 2012 (*dates TBD*)

Chicagoland, IL (*tentative*)

11th Annual AAOS/OTA Joint Trauma Update Course

April 12 - 14, 2012

Orlando, Florida

Orthopaedic Trauma Fellows Course* (*Registration limited to current trauma fellows.*)

March 15 - 18, 2012

Boston, Massachusetts

*Scholarships will be available.

2011 OTA Annual Meeting

Registration & Additional Information

Pre-registration deadline September 12, 2011

Disclaimer

The material presented at the 27th 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.



The River Walk

Photo courtesy of the San Antonio Convention & Visitor's Bureau / Craig Stafford

CME Credit

The Orthopaedic Trauma Association and the American Academy of Orthopaedic Surgeons jointly sponsor the scientific presentations at this 27th 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 **20+ 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 **10.25 AMA PRA Category 1 Credits™**. The Masters Level Trauma Coding Course offers a maximum of **6.5 AMA PRA Category 1 Credits™**. The International Orthopaedic Trauma Care Forum offers a maximum of **8 AMA PRA Category 1 Credits™** and The Young Practitioners Forum offers a maximum of **4.5 AMA PRA Category 1 Credits™**.

Accommodations

Deadline for reservations: September 9, 2011



**Marriott
Rivercenter
and
Marriott
Riverwalk**

The OTA has secured discounted room rates at the Marriott Rivercenter and Marriott Riverwalk Hotels. Reservations should be made no later than September 9th.

The Annual Meeting will take place at the Marriott Rivercenter and pre-meeting events will take place at the Marriott Riverwalk.

Rates: **Marriott Rivercenter and Marriott Riverwalk –**
Single/Double = \$234.00 + 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!

Airline Reservations

Airlines

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 1-800-318-3847. CorpTrav is one of the largest independent global travel management firms, proud to service some of the world's most prestigious organizations since 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

About San Antonio

San Antonio's old world Spanish flair and blend of cultures make it one of America's most picturesque cities. Centrally located in the heart of Texas, San Antonio offers a blend of charm, vibrancy and color. Its sights, sounds, tastes and past captivate, while friendly people, the relaxing river and a superb climate entice visitors to come back for more. Average high temp for October is 81° with a low of 59°.

Within walking distance of the meeting is the San Antonio River Walk. Winding along the San Antonio River one story below the bustling street level, restaurants, galleries and shops line the banks of the downtown River Walk. The north and south banks of the River are less commercial, boasting lush landscapes, quaint pathways, tinkling waterfalls, quiet pools, outdoor art and relaxing outdoor patios.

Recently named one of "America's Top Ten Historical Sites" by The History Channel, 2011 marks the 175th anniversary of the Battle of the Alamo. On October 15 at the Alamo Plaza, catch a glimpse of what life was like at the Battle of the Alamo as history re-enactors don garb, shoot muskets, cook and perform daily tasks from 1836. From its important role in Texas independence to its fusion of cultures, San Antonio is a truly unique and authentic destination.

For more information, go to www.visitsanantonio.com.

Transportation

Transportation To/From Airports:

San Antonio International Airport (SAT) -

The airport is approximately 8.5 miles from the downtown business district/hotel with a travel time of about 15 minutes.

Driving Directions:

Take 281 South to Commerce St Exit. Make a right at the light (Commerce) and continue down 1 block; hotel is on the righthand side, at the corner of Bowie and Commerce.

Alternate Transportation:

Shuttle service is available. Look for the Shuttle Service kiosks in both terminals near baggage claim or book your trip in advance at <http://www.saaairportshuttle.com>; fee: \$18 USD (one way); reservations recommended. Estimated taxi fare: \$22.00 USD (one way).

Rental Car / Hotel Parking:

Since the hotel is conveniently located within walking distance to many restaurants, shopping and entertainment venues and car rental is not recommended. If you have decided to rent a car or will be driving to San Antonio, the following estimated rates apply for hotel parking: Self Parking \$25/night, Valet Parking \$33/night.

Poster Presentations

Annual Meeting Scientific Posters will be available for viewing at all times during the meeting beginning at **11:00 am on Thursday until 5:00 pm on Saturday in the Marriott Rivercenter Grand Ballroom Foyer**. Peer reviewed abstracts for both podium and poster presentations will be included in the final program book.

Registration Information

- Register on-line at www.ota.org using your OTA Customer ID #. Follow directions online to obtain or search for your OTA Customer ID #.
- Postmarked registrations after **September 12** will not be processed; *on-site registrations will require an additional \$100 late fee*. On-line registrations prior to **September 19** will not incur the \$100 late fee.
- Ensure your space in mini symposia, labs, and case presentations. REGISTER TODAY. Avoid on-site delays and an additional \$100 late registration fee.
- All pre-registrations will receive confirmation by e-mail. Badges will be mailed to those registered by September 12.
- *The pre-registration form may be photocopied as needed.*

Skills Labs, Mini Symposia and Case Presentations

- Ensure your space in Skills Labs, Mini Symposia, and Case Presentations - register early. Tickets are required.
- Skills Labs, Mini Symposia, and Case Presentations FILL EARLY and may be unavailable to on-site registrants.
- Choose the Friday and Saturday Skills Laboratory Sessions, Mini Symposia and Case Presentation 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 12 or on-line registrations after September 19 will be accepted on-site plus an additional \$100 late fee).
- On-site Registration will be available as follows:
Marriott Riverwalk Alamo Ballroom Foyer
(*BSFF, Coding, Young Practitioners & Own the Bone*)
Tuesday: 4:00 PM - 6:00 PM
Wednesday: 6:30 AM - 5:00 PM
Marriott Rivercenter Grand Ballroom Foyer
(*Annual Meeting and International Forum*)
Tuesday: 4:00 PM - 6:00 PM
Wednesday: 5:00 PM - 7:00 PM
Thursday, Friday & Saturday: 6:30 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 & Refunds

NO REFUNDS AFTER September 27, 2011

- 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.

Cameras may not be used in any portion of the meeting.

Open for detailed descriptions of Industry Symposia, Case Presentations, Skills Labs and Mini Symposia.



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

Thursday, October 13, 2011

11:15 AM - 12:30 PM

Industry Symposia

See our corporate sponsors' new products and/or surgical equipment demonstrations in between the Basic Science Focus Forum and the start of the Annual Meeting.

**NEW
for 2011**

BioMimetic Therapeutics, Inc. (#IS-1)

Intelligent Orthopaedics Limited (#IS-2)

“Plateau, shaft or pilon - a novel approach to reducing unstable fractures.”

Sonoma Orthopaedics (#IS-3)

“Innovative rotator cuff sparring, flexible nail for midshaft Humeral shaft fractures.”

Zimmer, Inc. (#IS-4)

RTI Biologics, Inc. (#IS-5)

“Biologic Options for your Trauma Practice-Fracture Management and Joint Resurfacing.”

Friday, October 14, 2011

6:45 - 7:45 AM

Case Presentations

Orthopaedic Trauma Coding Update (#F1)

This session will review the relevant updates to CPT and ICD coding for orthopaedic trauma. The basic principles of surgical coding using case based examples will be presented. Participants are encouraged to bring cases for discussion. (Creedy)

Management of Pelvic and Acetabulum Fractures (#F2)

Cases will be presented 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. (Tornetta)

Challenging Hip Fractures-When the Fracture Table Doesn't Work (#F3)

Hip fractures can frequently be challenging cases. Often the only reduction tool used is a fracture traction table. This interactive case based session will cover reduction strategies when traction alone does not achieve adequate reduction. Cases will be selected to discuss surgical approaches, reduction aids, technical tricks, fixation strategies, and implant selection. (Mirza)

New Approaches to Difficult Tibial Plateau Fractures (#F4)

The goal of this case presentation will be to show alternative surgical strategies for difficult tibial plateau fractures. We will use cases to demonstrate the management of bicondylar fractures and particularly difficult fractures involving the posterior tibial condyles, both medially and laterally. This will involve discussion using posterior approaches to the knee in isolation with additional approaches as specific fracture patterns indicate. The goal will be to have the participants take home distinct, technical strategies and tactics that will allow them to improve the reduction and fixation of these difficult tibial plateau fractures. (Templeman)

Treatment of Clavicle Shaft Fractures: Straightforward, Right? (#F5)

There is an emerging dichotomy between historical and currently developing treatment philosophies for clavicle fractures. Through the use of case presentations, this session will explore the rationale for and evidence behind treatment options. (Ahn)

Friday, October 14, 2011

1:00 - 2:30 PM

Mini Symposia

The “Not So Simple” Ankle Fracture – Avoiding Problems and Pitfalls to Improve Patient Outcome (#F6)

Ankle fractures are one of the most common injuries that orthopaedic surgeons treat. Management of certain ankle fractures can be especially difficult or problematic. Topics include the diabetic patient, severe osteoporosis, syndesmotic injuries, posterior malleolus fractures, and techniques to improve outcome. (*Hak*)

Amputations in Trauma: Getting the Most Out of Your Limb (#F7)

Controversy still abounds regarding the appropriate management of the traumatic amputee. Combining experiences of military and civilian care of the traumatic amputee will enhance the care of these patients. (*Dougherty & Cannada*)

Preoperative Nightmares – What is the Evidence? (#F8)

Several medical scenarios may threaten timely orthopaedic surgery. These scenarios will be discussed and the evidence-based optimal management will be reviewed. (*Gorczyca*)

Fundamentals in Trauma I (#F9)

An increasing number of orthopaedic surgeons are called upon to treat emergent orthopaedic problems, most of them related to orthopaedic trauma. Fundamentals of Orthopaedic Trauma I and II are mini-symposia specifically designed for the general orthopaedic surgeon who has not completed a fellowship in orthopaedic trauma who is seeking a higher level of proficiency in the care of orthopaedic trauma patients. These mini-symposia will provide a broader background for the nonspecialist, and will not assume extensive prior knowledge of advanced fracture care. The two course offerings are complementary and are designed to bring the general orthopaedic surgeon up to date on the most common aspects of upper and lower extremity emergent trauma and fracture care. (*Ostrum*)

Skills Labs

IM Fixation of Proximal Tibial Fractures (#F10)

This lab will cover options for intra-medullary fixation of proximal tibial metaphyseal fractures, including flexed and extended position, and supra-patellar nailing. Our panel of experts will review adjunctive techniques for obtaining reduction, including blocking screws, reduction plates, distractors and positioning. (*Lee*)

1:00 - 2:30 PM

Skills Labs, continued

ORIF Distal Radius Fractures (#F10)

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. (*McQueen*)

ORIF Periprosthetic Fractures of the Femur (#F11)

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. (*Haidukewych*)

ORIF Distal Tibia and Fibula Fractures (#F12)

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. (*Nascone*)

SIGN Nailing (#F13)

The SIGN IM nail interlocking screw system is designed for use in developing countries and for surgeons everywhere who would like to avoid radiation from use of C-arm. The distal interlocking screws can be placed consistently and quickly using a mechanical technique which has been used in 65,000 fractures of long bones. The goal of SIGN nail sawbones skills lab is to discuss techniques for stabilization of tibia, femur and humerus fractures. Table instructors will include surgeons who are OTA-SIGN scholars. (*Zirkle*)

Saturday, October 15, 2011

6:45 - 7:45 AM

Case Presentations

Proximal Humerus Fractures – Current Concepts (#S1)

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. (*Gardner*)

Practical Issues in Clinical Research (#S2)

This seminar will review key issues in the conduct of clinical research, including planning, execution, and data reporting. (*Miclau & Bhandari*)

Sat., October 15, 2011, *cont'd*

6:45 - 7:45 AM

Case Presentations, *cont'd*

Evaluation and Management of Complex Pediatric Elbow Fractures (#S3)

A didactic and case-based review of the complex variations of commonly presenting pediatric elbow fractures. Interactive discussion will cover the evaluation and pearls of managing type 3 supracondylar, radial/head neck, lateral condyle, medial epicondyle and acute/delayed presenting Monteggia fractures. (*Podeszwa*)

Pelvic Ring Injuries: Surgical Treatment of Instability (#S4)

This case based discussion of pelvic ring injuries will emphasize recognition of important injury patterns and features, diagnosis of ring instability, and treatment options. Interactive discussion will emphasize surgical treatment strategies, with emphasis on percutaneous and other less invasive means of pelvic stabilization. Diagnostic insight, treatment strategies, and technical pearls will abound. Attendees should plan to bring cases for discussion. (*Krieg & Roult*)

Scapula Fracture Injuries and Treatment (#S5)

This case presentation 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. (*Obremskey*)

1:00 - 2:30 PM

Mini Symposia

Complex Trauma from Combat – Reconstruction, Rehab and Orthotics (#S6)

The US Military has been at war for a decade. Over these past 10 years, much has been learned about reconstructing these devastating injuries as well as rehabilitation and orthotics for both limb salvage and amputees. Reconstructions have focused on returning function and bracing, while a patient who sustains a traumatic or has an elective amputation focus is directed toward prosthesis and function. In either case, these service members tend to have significant disability and long term challenges. (*Andersen & Hsu*)

Making Medicine's Voice Heard: Media Relations and Political Advocacy (#S7)

Not since the inception of Medicare in the 1960's has our health care system undergone the major transformation we are facing in medicine today. Never has it been more important

1:00 - 2:30 PM

Mini Symposia, *cont'd*

facing in medicine today. Never has it been more important for orthopaedic surgeons to be visible and to speak up in the media and before our legislators. This mini-symposium is designed to give you an introduction to working with the tools you need to develop and tell your and your patient's story. (*Smith*)

2 Minutes/ 2 Slides: Upper Extremity Technical Tips and Tricks (#S8)

Brief presentations consisting of two slides over two minutes will highlight diagnostic pearls and surgical tricks followed by a short discussion. (*Guy*)

Fundamentals in Trauma II (#S9)

An increasing number of orthopaedic surgeons are called upon to treat emergent orthopaedic problems, most of them related to orthopaedic trauma. Fundamentals of Orthopaedic Trauma I and II are mini-symposia specifically designed for the general orthopaedic surgeon who has not completed a fellowship in orthopaedic trauma who is seeking a higher level of proficiency in the care of orthopaedic trauma patients. These mini-symposia will provide a broader background for the nonspecialist, and will not assume extensive prior knowledge of advanced fracture care. The two course offerings are complementary and are designed to bring the general orthopaedic surgeon up to date on the most common aspects of upper and lower extremity emergent trauma and fracture care. (*Ostrum*)

Skills Labs

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This lab will cover options for intra-medullary fixation of proximal tibial metaphyseal fractures, including flexed and extended position, and supra-patellar nailing. Our panel of experts will review adjunctive techniques for obtaining reduction, including blocking screws, reduction plates, distractors and positioning. (*Lee*)

IM Fixation of Proximal Femur Fractures (#S11)

This lab will outline the indication for intramedullary nailing of trochanteric fractures. It will instruct participants on the use of trochanteric nails for fixation of these fractures. Proctors with expertise in intramedullary rodding will help participants to perfect their expertise in the set up, positioning and use of trochanteric nails. (*Koval*)

ORIF Distal Femur Fractures (#S12)

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. (*Morgan*)

Meeting at Marriott Rivercenter
Pre-Meeting Events at Marriott Riverwalk
& Henry B. Gonzalez Convention Center
San Antonio, Texas, USA



2011 Annual Meeting REGISTRATION FORM

October 12 - 15, 2011
OTA Fax: 847-823-0536

(Please Print)

Name _____ first _____ last _____ degree _____

Address _____

City _____ State _____ Country _____ Zip _____

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

ANNUAL MEETING REGISTRATION FEES - U.S. Funds

Postmarked by:
September 12, 2011.
Fees increased \$100 on site.

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 Allied Health (<i>attach required letter of verification</i>)	\$ 425.00 USD	<input type="checkbox"/>

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

SEATING LIMITED — TICKETS REQUIRED

Wednesday, October 12 Pre-Meeting Opportunities

MASTERS LEVEL TRAUMA CODING COURSE	I will attend	<input type="checkbox"/>	\$ 200.00
INTERNATIONAL TRAUMA CARE FORUM	I will attend	<input type="checkbox"/>	\$ 50.00
BASIC SCIENCE FOCUS FORUM	I will attend	<input type="checkbox"/>	\$ 250.00
"OWN THE BONE" PROGRAM	I will attend	<input type="checkbox"/>	\$ 0.00

Thursday, October 13

YOUNG PRACTITIONERS FORUM	I will attend	<input type="checkbox"/>	\$ 50.00
WELCOME RECEPTION (Thursday) - Registrant	I will attend	<input type="checkbox"/>	\$ 0.00 (on site \$30)
Guest Reception Ticket(s) # of Guests: _____ @ \$65.00 USD ea =			\$ _____

Friday, October 14

WOMEN IN ORTHOPAEDIC TRAUMA LUNCHEON	I will attend	<input type="checkbox"/>	\$ 0.00 (on site \$30)
MILITARY RECEPTION	I will attend	<input type="checkbox"/>	\$ 0.00

Industry Symposia, Mini Symposia, Skills Labs, or Case Presentations

Thursday, October 13

Thursday 11:15 am: Industry Symposia (#IS-1 – IS-5)

1st Choice # _____
2nd Choice # _____

Friday, October 14

Friday 6:45 am: Case Presentations (#F-1 – F-5)

1st Choice # _____
2nd Choice # _____

Concurrent Sessions: LIST TOP TWO CHOICES

Friday 1:00 pm: Mini Symposia or Skills Labs (#F-6 – F-13)

1st Choice # _____
2nd Choice # _____

Saturday, October 15

Saturday 6:45 am: Case Presentations (#S-1 – S-5)

1st Choice # _____
2nd Choice # _____

Concurrent Sessions: LIST TOP TWO CHOICES

Saturday 1:00 pm: Mini Symposia or Skills Labs (#S-6 – S-12)

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 by September 27, 2011 for a refund less a \$100.00 USD processing fee.

Absolutely no refunds after September 27, 2011.

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

REGISTER ON-SITE AFTER SEPTEMBER 12, 2011 - AN ADDITIONAL \$100 USD FEE WILL APPLY.



2011 Annual Meeting

*Open for detailed descriptions of Industry Symposia,
Case Presentations, Skills Labs, Mini Symposia
and Registration Forms.*



*Thursday Industry Symposia,
Friday and Saturday early morning Case Presentations and
Friday and Saturday afternoon Mini Symposia & Skills Labs run concurrently.*

Tickets are required.

Note your preference on the registration form (page 38).

These Special Sessions may be filled and unavailable to on-site registrants.

Increase your chances for first choice.

Register EARLY at www.ota.org.

2011 Annual Meeting Checklist

Have you...

- ☐ Completed the Meeting Registration Form (page 38)?
- ☐ Indicated your preferences for Break-Out Sessions (page 38)?
- ☐ Included your Payment with the Registration Form?
- ☐ Made your hotel reservation with the Marriott Riverwalk or Marriott Rivercenter Hotels?
ALL hotel reservations need to be made online thru ota@conferencedirect.com.
Use the link on 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 12, 2011.

Register on-line before September 19, 2011.

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.



Join the ORTHOPAEDIC — TRAUMA — ASSOCIATION

Member Services

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

- JOT Subscription
- Fellowship Match
- Mentor Programs
- Coding and Practice Management Resources (Academic and Community)
- Meeting Discounts
- Discussion Forum and Listserv
- 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
- Fellows
- Mid - Senior Level Orthopaedic Surgeons

Scholarships offered for most resident and fellows programs.

Research

- Research Grants
- Trauma Registry
- Mult-Center 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
- Evaluate Current Practice Management Issues and Incorporate Thoughtful Solutions
- Develop Position Statements

OTA Membership Dues

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

*** does not include JOT subscription*

OTA Membership Application Deadline: November 1

Apply today at www.OTA.org.



6300 N. River Road, Suite 727
Rosemont, IL 60018-4226 USA

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Permit No. 7133

Register Now for the
2011 OTA Annual Meeting
at www.ota.org
Pre-registration Deadline: September 12, 2011
Hotel Deadline: September 9, 2011

