AAOS/OTA
Current Advances in Orthopaedic Trauma: Tactics and Techniques for Trauma Challenges

FINAL PROGRAM

December 2 – 3, 2016
OLC Education & Conference Center • Rosemont, IL
William M. Ricci, MD, and Bradley R. Merk, MD
Course Directors
AAOS/OTA Current Advances in Orthopaedic Trauma:
Tactics and Techniques for Trauma Challenges
December 2-3, 2016; OLC Education and Conference Center; Rosemont, IL

The AAOS and Orthopaedic Trauma Association (OTA) extends sincere appreciation to the following company for an educational grant in support of this program.

**Gold Level**

DePuy Synthes

**Silver Level**

Acumed
Orthofix
FRIDAY, DECEMBER 2

6:30 am Course Registration

7:00 am Welcome and Introduction
William M. Ricci, MD & Bradley R. Merk, MD

LECTURE SESSION #1
GETTING THROUGH THE NIGHT
Moderator: Daniel S. Horwitz, MD

7:10 Damage Control Orthopaedics
• Timing, What is Emergent, Second Hit
Heather A. Vallier, MD

7:20 How to Survive the Night
• What is Important, Coordination, Referral
Anna N. Miller, MD

7:30 Open Fractures
• Classification, Decision Making, LEAP Studies
Christian Mamczak, DO

7:40 Reducing Infection in Treating Open Fracture
• Antibiotics, Timing, VAC, Wrinkles, Treatment
J. Tracy Watson, MD

7:50 Diagnosis and Treatment of Compartment Syndrome
Daemeon A. Nicolaou, MD

8:00 Local Tissue Coverage Options
• Gastrocnemius, Soleus, and Propeller Flaps
Martin I. Boyer, MD

8:10 MOVE TO LAB
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Description</th>
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<tbody>
<tr>
<td>8:20 – 9:00</td>
<td><strong>HANDS-ON SURGICAL SKILLS LAB A</strong></td>
<td><em>Spanning Knee and Ankle External Fixation</em></td>
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<tr>
<td></td>
<td>Goals: Pin Placement, Construct Options and Tips</td>
<td>Lab Introduction/Surgical Demonstration: <em>J. Tracy Watson, MD</em> – 10 min</td>
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<td>9:00 – 9:40</td>
<td><strong>HANDS-ON SURGICAL SKILLS LAB B</strong></td>
<td><em>Local Flap Coverage</em></td>
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<td>Goals: Gastrocnemius and Soleus Flaps Techniques</td>
<td>Lab Introduction/Surgical Demonstration: <em>Martin I. Boyer, MD</em> – 10 min</td>
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<td>9:40</td>
<td>Refreshment Break</td>
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<td>10:00</td>
<td>LECTURE SESSION #2</td>
<td>FRACTURES OF THE PELVIS, FEMUR, HIP, SHAFT</td>
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<td>Moderator: <em>David C. Teague, MD</em></td>
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<tr>
<td>10:00</td>
<td>Pelvic Ring Injuries</td>
<td><em>What is Stable/Unstable, Binder, Angio, Referral</em></td>
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<td><em>Paul Tornetta, III, MD</em></td>
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<tr>
<td>10:10</td>
<td>Femoral Neck Fractures</td>
<td><em>Appropriate Treatment Choices: ORIF, Perc Screws, Arthroplasty</em></td>
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<td><em>J. Tracy Watson, MD</em></td>
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<tr>
<td>10:20</td>
<td>Intertrochanteric Femur Fractures</td>
<td><em>DHS vs IMN, Short vs Long IMN</em></td>
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<td><em>David J. Merriman, MD</em></td>
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<td>10:30</td>
<td>Femoral Subtrochanteric and Diaphyseal Fractures</td>
<td><em>Subtrochanteric Fracture: When to Plate and Nailing Tips</em></td>
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<td><em>Diaphyseal: Starting Point and Locking Options</em></td>
<td><em>Daniel S. Horwitz, MD</em></td>
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<td>10:20</td>
<td>MOVE TO LAB</td>
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10:30–11:10  HANDS-ON SURGICAL SKILLS LAB C  
*Anterior Approach to the Femoral Neck*

Goals: Approach for Treatment of Femoral Neck Fractures  
Lab Introduction/Surgical Demonstration: David C. Teague, MD – 10 min  
Lab Instructors: Drs. Boyer, Earhart, Horwitz, Kalaninov, Karnezis, Kottmeier, Liporace, Mamczak, Merk, Merriman, Milburn, Miller, Mir, Nicolaou, Ricci, Teague, Tornetta, Vallier, Watson, Weatherford

11:10–11:45  HANDS-ON SURGICAL SKILLS LAB D  
*Femoral Antegrade Nailing*

Goals: Approach and Tips for Anterograde Femoral Nailing  
Lab Introduction/Surgical Demonstration: David J. Merriman, MD – 10 min  
Lab Instructors: Drs. Boyer, Earhart, Horwitz, Kalaninov, Karnezis, Kottmeier, Liporace, Mamczak, Merk, Merriman, Milburn, Miller, Mir, Nicolaou, Ricci, Teague, Tornetta, Vallier, Watson, Weatherford

11:45  MOVE TO LUNCH

WORKING LUNCH & LECTURE SESSION #3

Q&A and FRACTURES ABOUT THE KNEE

Moderator: Heather A. Vallier, MD

12:00 pm  Questions & Cases
- Hip Fracture Cases  
  Anna N. Miller, MD

12:40  Supracondylar Femoral Fractures
- ORIF vs IMN and Techniques  
  Paul Tornetta, III, MD

12:50  Tibial Plateau Fractures
- Classification, Approaches, Techniques  
  Brian M. Weatherford, MD

1:00  Patella Fractures and Extensor Mechanism Injuries
- Tension Band and Suture Repairs  
  Daemeon A. Nicolaou, MD

1:10  Tibial Diaphyseal Fractures
- Approaches and Nailing Tips  
  Hassan R. Mir, MD, MBA, FACS

1:20  MOVE TO LAB
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<tr>
<th>Time</th>
<th>Lab Name</th>
<th>Goals</th>
<th>Lab Introduction/Surgical Demonstration</th>
<th>Lab Instructors</th>
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</table>
| 1:35– 2:10 | HANDS-ON SURGICAL SKILLS LAB E  
| 2:10– 2:45 | HANDS-ON SURGICAL SKILLS LAB F  
| 2:45-3:00 | REFRESHMENT BREAK                              |                                                                      |                                        |                                                                                  |
| 3:00– 3:35 | HANDS-ON SURGICAL SKILLS LAB G  
| 3:35– 4:15 | HANDS-ON SURGICAL SKILLS LAB H  
| 4:15– 4:30 | FACULTY SURGICAL DEMONSTRATION  
*Tibial Nailing* | Goals: Approaches and Nailing Techniques for Tibial Fractures     | Daniel S. Horwitz, MD – 15 min         |                                                                                  |
| 4:30  | Questions and Answers                         |                                                                      |                                        |                                                                                  |
| 4:40  | Adjourn                                       |                                                                      |                                       |                                                                                  |
SATURDAY, DECEMBER 3

BREAKFAST IS NOT AVAILABLE AT THIS COURSE.
FOR THOSE STAYING AT THE HAMPTON INN & SUITES, BREAKFAST IS AVAILABLE AT THE HOTEL BEGINNING AT 6 AM

7:00 – 8:00 am    Periprosthetic Fracture Management Featuring the NCB(r) Periprosthetic Plating System *
                   Frank A. Liporace, MD

8:05              Announcement/Questions
                   William M. Ricci, MD & Bradley R. Merk, MD

LECTURE SESSION #4
Q&A: FRACTURES ABOUT THE KNEE
LECTURES: DISTAL TIBIA, ANKLE, FOOT, AND INFECTION
Moderator: Christiaan Mamczak, DO

8:10              Questions and Cases (40 mins)
                  • Supracondylar Femur, Tibial Plateau, Tibial Diaphysis
                  David J. Merriman, MD

8:50              Tibial Pilon Fracture
                  • Timing, External Fixation vs ORIF, Staging, Plating Concepts - Fracture Specific
                  Stephen Kottmeier, MD

9:00              Ankle Fracture
                  • Plate: Posterior vs Lateral, Posterior Malleolus: Fix or Not, Syndesmosis (ORIF vs tightrope)
                  Daniel S. Horwitz, MD

9:10              Midfoot Injuries
                  • Etiology, Imaging, Stress views, CT/MRI, Indications, Approaches, Technique (ORIF vs Fuse)
                  Brian M. Weatherford, MD

9:20              Infection
                  • How to Prevent, Diagnosis and Treat Infection Associated with Fractures
                  Frank A. Liporace, MD

9:30 – 9:50       FACULTY SURGICAL DEMONSTRATION
                  Syndesmotic Injuries
                  Goals: Syndesmotic Reduction and Fixation
                  Paul Tornetta, III, MD – 15 min

* This Industry Spotlight Session is Non-CME
10:40
MOVE TO LECTURE

LECTURE SESSION #5
UPPER EXTREMITY FRACTURES
Moderator: J. Tracy Watson, MD

10:50
Clavicle Fracture
- Indications, Approach, Reduction Techniques, Plate Location
  Christian Mamczak, DO

11:00
Proximal Humeral Fracture
- Indications, Set-up, Approach (Deltopectoral vs Anterolateral),
  Reduction, Plate Position
  Stephen Kottmeier, MD

11:10
Humeral Diaphysis Fracture
- Indications, Approaches, Reduction Techniques, Plate vs Nail
  David C. Teague, MD

11:20
Distal Humerus
- Approaches (Triceps Split, Olecranon Osteotomy, Triceps Sparing),
  Reduction Techniques, Plate Positioning
  Heather A. Vallier, MD

11:30
Olecranon, Coronoid, Radial Head Fracture
- Indications, Approaches (Posterior, Medial, Anterior, Lateral), Fixation
  vs Arthroplasty
  Hassan R. Mir, MD, MBA, FACS

11:40
Lunch with Case Discussions
- Questions about morning labs
- Cases: Clavicle, Proximal Humeral, Humeral Diaphysis, and Distal
  Humeral Fracture
  Frank A. Liporace, MD

12:30 pm
MOVE TO LAB
<table>
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<tr>
<th>Time</th>
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<tr>
<td>12:40–1:10</td>
<td><strong>HANDS-ON SURGICAL SKILLS LAB L</strong>&lt;br&gt;Proximal Humeral Fractures&lt;br&gt;Goals: Deltoidocortical and Anterolateral Approaches and Fixation Tips&lt;br&gt;Lab Introduction/Surgical Demonstration: <em>Stephen Kottmeier, MD</em> – 10 min&lt;br&gt;Lab Instructors: Drs. Boyer, Earhart, Horwitz, Kalaninov, Karnezis, Kottmeier, Liporace, Mamczak, Merk, Merriman, Milburn, Miller, Mir, Nicolaou, Ricci, Teague, Tornetta, Vallier, Watson, Weatherford</td>
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<td>1:10–1:40</td>
<td><strong>HANDS-ON SURGICAL SKILLS LAB M</strong>&lt;br&gt;Humeral Shaft Fractures&lt;br&gt;Goals: Anterior and Posterior Approaches and Fixation Tips&lt;br&gt;Lab Introduction/Surgical Demonstration: <em>Anna N. Miller, MD</em> – 10 min&lt;br&gt;Lab Instructors: Drs. Boyer, Earhart, Horwitz, Kalaninov, Karnezis, Kottmeier, Liporace, Mamczak, Merk, Merriman, Milburn, Miller, Mir, Nicolaou, Ricci, Teague, Tornetta, Vallier, Watson, Weatherford</td>
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<td>1:40–2:10</td>
<td><strong>HANDS-ON SURGICAL SKILLS LAB N</strong>&lt;br&gt;Distal Humerus Fractures&lt;br&gt;Goals: Posterior Approaches and Fixation Tips&lt;br&gt;Lab Introduction/Surgical Demonstration: <em>Christiaan Mamczak, MD</em> – 10 min&lt;br&gt;Lab Instructors: Drs. Boyer, Earhart, Horwitz, Kalaninov, Karnezis, Kottmeier, Liporace, Mamczak, Merk, Merriman, Milburn, Miller, Mir, Nicolaou, Ricci, Teague, Tornetta, Vallier, Watson, Weatherford</td>
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<td>2:10</td>
<td>REFRESHMENT BREAK AND RETURN TO LAB</td>
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<td>2:15–2:45</td>
<td><strong>HANDS-ON SURGICAL SKILLS LAB O</strong>&lt;br&gt;Forearm Fractures&lt;br&gt;Goals: Volar and Dorsal Approaches and Fixation Tips&lt;br&gt;Lab Introduction/Surgical Demonstration: <em>Anna N. Miller, MD</em> – 10 min&lt;br&gt;Lab Instructors: Drs. Boyer, Earhart, Horwitz, Kalaninov, Karnezis, Kottmeier, Liporace, Mamczak, Merk, Merriman, Milburn, Miller, Mir, Nicolaou, Ricci, Teague, Tornetta, Vallier, Watson, Weatherford</td>
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COURSE DIRECTORS

William M. Ricci, MD
Washington University School of Medicine
Saint Louis, MO

Bradley R. Merk, MD
Northwestern University School of Medicine
Chicago, IL

FACULTY

Martin I. Boyer, MD
Washington University Affiliated Hospitals
St. Louis, MD

David M. Kalainov, MD
Northwestern Memorial Hospital
Chicago, IL

Jeffrey S. Earhart, MD
OrthoIllinois
Rockford, IL

Tom A. Karnezis, MD
Illinois Orthopaedic Hand Center
Elk Grove Village, IL

Daniel S. Horwitz, MD
Geisinger Health System
Chief Orthopaedic Trauma
Danville, PA

Stephen Kottmeier, MD
University Hospital
Stony Brook, NY
Frank A. Liporace, MD
Jersey City Medical Center/Barnabas Health
Englewood Cliffs, NJ

Christiaan Mamczak, DO
Beacon Orthopaedic Trauma Surgery
South Bend, IN

David J. Merriman, MD
Mercy Clinic Orthopedics/Orthopedic Hospital
Ozark, MO

Mason W. Milburn, MD
Mount Sinai Hospital
Chicago, IL

Anna N. Miller, MD
Washington University
St. Louis, MO

Hassan R. Mir, MD, MBA, FACS
Florida Orthopaedic Institute
Tampa, FL

Daemeon A. Nicolaou, MD
St. Louis University Hospital
St Louis, MO

David C. Teague, MD
University of Oklahoma
Oklahoma City, OK

Paul Tornetta, III, MD
Boston Medical Center
Boston, MA

Heather A. Vallier, MD
Metrohealth Med Ctr
Cleveland, OH