2ND ANNUAL SAN FRANCISCO
Orthopaedic Trauma Course

Hyatt Regency | San Francisco, CA

CHAIRS
Theodore Miclau, III, MD
Professor and Vice Chair
Dept. of Orthopaedic Surgery, UCSF

Amir Matityahu, MD
Assistant Clinical Professor
Dept. of Orthopaedic Surgery, UCSF

University of California
San Francisco

UCSF/SFGH ORTHOPAEDIC TRAUMA CENTER
COURSE OVERVIEW
International leaders in orthopaedic surgery will present new and evolving concepts in trauma and fracture management through didactic lectures, case presentations, and hands-on practice with the latest implants.

EDUCATIONAL OBJECTIVES
The course curriculum will include:

- The newest techniques and concepts in adult and pediatric fracture care, including conventional and locked plating, external fixation, and intramedullary nailing.
- The most recent innovations in orthopaedic surgical techniques, through practical, hands-on exercises using saw-bone models.
- The latest developments in osteobiologics.
- The future technological advances in fracture treatment.

ACKNOWLEDGEMENTS
This CME Activity is supported in part by educational grants from:

PLATINUM
DePuy
Stryker Trauma

GOLD
Synthes USA
Smith-Nephew
Biomet
Zimmer

SILVER
Stryker Biotech
Medtronic
KCI

BRONZE
Brainlab
Isotis
COURSE CO-CHAIRS

Theodore Miclau, III, MD
Professor and Vice Chair
Department of Orthopaedic Surgery
Director of Orthopaedic Trauma
UCSF
Chief, Orthopaedic Surgery
San Francisco General Hospital

Amir Matityahu, MD
Assistant Clinical Professor
Department of Orthopaedic Surgery
UCSF
Director of Pelvic and Acetabular Trauma and Reconstruction
San Francisco General Hospital

UCSF FACULTY

R. Richard Coughlin, MD
Associate Clinical Professor
Department of Orthopaedic Surgery
Director, Foot and Ankle Service
San Francisco General Hospital

Mohammad Diab, MD
Associate Clinical Professor
Department of Orthopaedic Surgery
Chief, Pediatric Orthopaedics

Utku Kandemir, MD
Assistant Clinical Professor
Department of Orthopaedic Surgery
San Francisco General Hospital

Hubert Kim, MD
Associate Professor in Residence
Department of Orthopaedic Surgery

R. Trigg McClellan, MD
Associate Clinical Professor
Department of Orthopaedic Surgery
Director, Spine Service
San Francisco General Hospital

Stephen Pinney, MD
Associate Clinical Professor
Department of Orthopaedic Surgery
Chief, Foot and Ankle Service

William Schecter, MD
Professor of Clinical Surgery
Chief, Surgery
San Francisco General Hospital

Milan Sen, MD
Assistant Professor in Residence
Department of Orthopaedic Surgery
Director, Upper Extremity Surgery
San Francisco General Hospital

GUEST FACULTY

Mohit Bhandari, MD
Assistant Professor
Department of Orthopaedic Surgery
McMaster University
Hamilton, Ontario, Canada

Timothy J. Bray, MD
Associate
Reno Orthopaedic Clinic
Clinical Professor
University of California, Davis

John Brown
Assistant Clinical Professor
Department of Medicine
UCSF
Director, Emergency Medical Services
San Francisco Department of Public Health

Fernando de la Huerta, MD
Chairman, Orthopaedic Division
Hospital de Especialidades Instituto Mexicano del Seguro Social
Guadalajara, Mexico

Kyle F. Dickson, MD
Professor
Department of Orthopaedic Surgery
University of Texas, Houston
Chief, Orthopaedic Trauma
Memorial Hermann Hospital

Douglas R. Dirschl, MD
Professor and Chairman
Department of Orthopaedic Surgery
University of North Carolina
Chapel Hill, NC

Col. James R. Ficke, MD
Orthopaedic Consultant
US Army Surgeon General
Chief, Orthopaedic Surgery Service
Brooke Army Medical Center

Edward J. Harvey, MD
Associate Professor
Division of Orthopaedic Surgery
Chief, Orthopaedic Trauma
Chief, Hand and Microvascular Surgery
MUHC - Montreal General
Montreal, Canada

Alan L. Jones, MD
Director of Orthopaedic Trauma
Baylor University Medical Center
Dallas, TX

Christian Krettek, MD
Professor and Chairman
Trauma Department
Hannover Medical School
Hannover, Germany

Mark Lee, MD
Assistant Professor
Department of Orthopaedic Surgery
University of California, Davis

Ronald W. Lindsey, MD
Professor and Chair
Department of Orthopaedic Surgery and Rehabilitation
University of Texas Medical Branch (UTMB)
Galveston, Texas

Keith A. Mayo, MD
Director, Orthopaedic Trauma
Tacoma General Hospital

Sean E. Nork, MD
Associate Professor
Department of Orthopaedics
University of Washington

Solon L. Rosenblatt, MD
Clinical Instructor
Department of Orthopaedic Surgery
UCSF
Chief, Orthopaedic Surgery
Kaiser San Rafael

Emil H. Schemitzch, MD
Professor and Head
Division of Orthopaedic Surgery
St. Michael's Hospital
University of Toronto
Toronto, Canada

Paul Tornetta, III, MD
Professor
Boston University School of Medicine
Director, Orthopaedic Trauma
Boston Medical Center

Peter G. Trafton, MD
Professor
Department of Orthopaedic Surgery
Brown University

Donald A. Wiss, MD
Clinical Professor
Department of Orthopaedic Surgery
University of Southern California
School of Medicine
### ADVANCES IN THE TREATMENT OF UPPER EXTREMITY FRACTURES

**Moderator:** Edward Harvey, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00-8:10 am</td>
<td>Welcome</td>
</tr>
<tr>
<td>8:10-8:20 am</td>
<td>Clavicle Fractures</td>
</tr>
<tr>
<td>8:20-8:30 am</td>
<td>Proximal Humerus Fractures</td>
</tr>
<tr>
<td>8:30-8:40 am</td>
<td>Humeral Shaft Fractures: Nailing vs. Plating</td>
</tr>
<tr>
<td>8:40-8:50 am</td>
<td>Elbow Fracture Dislocations</td>
</tr>
<tr>
<td>8:50-9:00 am</td>
<td>Distal Radius Fractures</td>
</tr>
<tr>
<td>9:00-9:10 am</td>
<td>Common Complex Carpal Injuries</td>
</tr>
<tr>
<td>9:10-9:25 am</td>
<td>Panel Discussion</td>
</tr>
<tr>
<td>9:25-9:40 am</td>
<td>Break / Exhibits</td>
</tr>
</tbody>
</table>

**Hands-on Workshops with Rotating Sessions: Upper Extremity Fracture Fixation Solutions**

<table>
<thead>
<tr>
<th>Workshop 1</th>
<th>Workshop 2</th>
<th>Workshop 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:40-10:25 am                DVR, Locked Plating of the Distal Radius (DePuy)</td>
<td>10:35-11:20 am                PERI-LOC, Proximal Humerus Locked Plating (Smith-Nephew)</td>
<td>11:30-12:15 pm                T2, Nailing of Proximal Humerus Fractures (Stryker)</td>
</tr>
<tr>
<td>Leader: M. Sen, MD</td>
<td>Leader: K. Dickson, MD</td>
<td>Leader: P. Tornetta, III, MD</td>
</tr>
<tr>
<td>M. Lee, MD / T. Bray, MD / T. McClellan, MD</td>
<td>F. de la Huerta, MD / E. Schemitsch, MD / U. Kandemir, MD</td>
<td>R. Lindsey, MD / S. Rosenblatt, MD / M. Bhandari, MD</td>
</tr>
</tbody>
</table>

**Hands-on Workshops with Rotating Sessions: Lower Extremity Fixed Angle Plating**

<table>
<thead>
<tr>
<th>Workshop 1</th>
<th>Workshop 2</th>
<th>Workshop 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:05-5:40 pm                OptiLock, Locked Plating of the Distal Femur (Biomet)</td>
<td>4:00-4:45 pm                Norian / LCP, Composite Fixation for Proximal Tibia Fractures (Synthes)</td>
<td>5:55-5:40 pm                Distal Tibia Periarticular Locked Plate, Plating of the Distal Tibia (Zimmer)</td>
</tr>
<tr>
<td>Leader: D. Dirschl, MD / T. Bray, MD / U. Kandemir, MD / A. Matityahu, MD</td>
<td>Leader: S. Nork, MD</td>
<td>Leader: D. Wiss, MD / R. Lindsey, MD / M. Bhandari, MD / R. Coughlin, MD</td>
</tr>
</tbody>
</table>

**FIXED ANGLE PLATING**

**Moderator:** Peter Trafton, MD

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:15-1:25 pm</td>
<td>Biological &amp; Mechanical Rationale for Locked Plating</td>
</tr>
<tr>
<td>1:25-1:35 pm</td>
<td>Are All Locked Plates Created Equal?</td>
</tr>
<tr>
<td>1:35-1:45 pm</td>
<td>When Are Locked Plates Needed?</td>
</tr>
<tr>
<td>1:45-2:05 pm</td>
<td>Minimally Invasive Locked Plating: Femur</td>
</tr>
<tr>
<td>2:05-2:25 pm</td>
<td>Tibia</td>
</tr>
<tr>
<td>2:25-2:35 pm</td>
<td>Complications of Locked Plating</td>
</tr>
<tr>
<td>2:35-2:50 pm</td>
<td>Panel Discussion</td>
</tr>
<tr>
<td>2:50-3:05 pm</td>
<td>Break / Exhibits</td>
</tr>
</tbody>
</table>

**Hands-on Workshops with Rotating Sessions: Lower Extremity Fixed Angle Plating**

<table>
<thead>
<tr>
<th>Workshop 1</th>
<th>Workshop 2</th>
<th>Workshop 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:05-3:50 pm                Group A</td>
<td>4:00-4:45 pm                Group A</td>
<td>5:55-5:40 pm                Group C</td>
</tr>
<tr>
<td>Group B</td>
<td>Group C</td>
<td>Group A</td>
</tr>
<tr>
<td>Group C</td>
<td></td>
<td>Group B</td>
</tr>
</tbody>
</table>

5:40 pm Adjourn

5:40-7:30 pm Reception at Equinox Restaurant
FRIDAY, APRIL 20, 2007

7:00-7:25 am  Continental Breakfast / Exhibits

MULTI-CASUALTY EVENTS  Moderator: Paul Tornetta, III, MD

7:25-7:30 am  Introduction  Theodore Miclau, III, MD
7:30-7:40 am  Battle Field Experience in Iraq  Col. James Ficke, MD
7:40-7:50 am  Management of the Hanover Train Crash  Christian Krettek, MD
7:50-8:00 am  Response to Hurricane Katrina: Two Year Perspective  Kyle Dickson, MD
8:00-8:10 am  Israel: Lessons Learned from a Mature Trauma System  William Schecter, MD
8:10-8:20 am  Preparing for a Disaster: Earthquake Readiness in San Francisco  John Brown, MD
8:20-8:30 am  Triage of Orthopaedic Injuries  Col. James Ficke, MD
8:30-8:45 am  Panel Discussion  Faculty

FRACUTRE REDUCTION TECHNIQUES  Moderator: Donald Wiss, MD

8:45-8:55 am  Alignment Verification of the Femur and Tibia  Amir Matityahu, MD
8:55-9:05 am  Fractures about the Knee: Indirect Reduction  Mark Lee, MD
9:05-9:15 am  Direct Reduction  Donald Wiss, MD
9:15-9:25 am  Blocking Screws in IM Nailing  Christian Krettek, MD
9:25-9:35 am  PMN Entry Site: Trochanteric  Amir Matityahu, MD
9:35-9:45 am  Blocking Screws in IM Nailing  Keith Mayo, MD
9:45-10:00 am  Panel Discussion  Faculty
10:00-10:15 am  Raffle / Break / Exhibits

Hands-on Workshops with Rotating Sessions: Tibia Fracture Reduction Techniques
10:15-12:50 pm

Workshop 1: META Nail, Proximal 1/3 Tibial Nailing using Blocking Screws (Smith-Nephew)  P. Tornetta, III, MD (Leader) / C. Krettek, MD / E. Harvey, MD / S. Rosenblatt, MD

Workshop 2: T2 / Hoffmann II, Distal 1/3 Tibial Ex-Fix Assisted Nailing (Stryker)  A. Matityahu, MD (Leader) / Col. J. Ficke, MD / A. Jones, MD / T. McClellan, MD

Workshop 3: Pe.R.I. / Temp-Fix, Pilon Fracture Ex-Fix Assisted Plating (DePuy)  S. Nork, MD (Leader) / K. Dickson, MD / E. Schemitsch, MD / R. Coughlin, MD

10:15-11:00 am  Workshop 1  Group A  Group B  Group C
11:10-11:55 am  Workshop 2  Group A  Group B  Group C
12:05-12:50 pm  Workshop 3  Group A  Group B  Group C

12:50-1:50 pm  Lunch with Case Presentations / Exhibits  Moderator: Donald Wiss, MD / Panel: Kyle Dickson, MD / Col. James Ficke, MD / Peter Trafton, MD / Utku Kandemir, MD

OSTEIOBIOLOGICS  Moderator: Emil Schemitsch, MD

1:50-2:00 pm  Stimulation of Fracture Repair: Overview  Theodore Miclau, III, MD
2:00-2:10 pm  Pharmacologicals: Bisphosphonates and PTH  Douglas Dirschl, MD
2:10-2:20 pm  Osteoinductive Biologics: rhBMP-2  Alan Jones, MD
2:20-2:30 pm  rhBMP-7  Kyle Dickson, MD
2:30-2:40 pm  Osteoinductive Biologics  R. Trigg McClellan, MD
2:40-2:50 pm  What Is The Evidence: Electrical Stimulation  Mark Lee, MD
2:50-3:00 pm  Ultrasound  Mohit Bhandari, MD
3:00-3:15 pm  Panel Discussion  Faculty
3:15-3:30 pm  Break / Exhibits

Hands-on Workshops with Rotating Sessions: General Topics
3:30-6:05 pm

Workshop 1: VersaNail, Subtrochanteric Fractures with Trochanteric Entry (DePuy)  P. Trafton, MD (Leader) / M. Bhandari, MD / M. Lee, MD / U. Kandemir, MD

Workshop 2: Fracture Treatment with the use of BMP’s (Medtronic / Stryker Biotech)  A. Jones, MD (Leader) / K. Dickson, MD (Leader) / E. Schemitsch, MD (Moderator)

Workshop 3: Sirus / V.A.C., Tibial Nailing with Wound VAC Application for Open Fractures (Zimmer & KCI)  K. Mayo, MD (Leader) / E. Harvey, MD / D. Wiss, MD / M. Sen, MD

3:30-4:15 pm  Workshop 1  Group A  Group B  Group C
3:45-5:10 pm  Workshop 2  Group A  Group B  Group C
4:20-6:05 pm  Workshop 3  Group A  Group B  Group C

6:05 pm  Adjourn
SATURDAY, APRIL 21, 2007

7:00-7:25 am Continental Breakfast / Exhibits

GENERAL ORTHOPAEDIC TRAUMA ISSUES I  Moderator: Keith Mayo, MD
7:25-7:30 am Introduction  Theodore Miclau, III, MD
7:30-7:40 am Civilian Open Fractures  Douglas Dirschl, MD
7:40-7:50 am Gunshot Injuries  Ronald Lindsey, MD
7:50-8:00 am The Elderly Trauma Patient  Paul Tornetta, III, MD
8:00-8:10 am DVT in Fracture Care: When to Anticoagulate  Emil Schemitsch, MD
8:10-8:20 am The Poly-trauma Patient: Damage Control  Christian Krettek, MD
8:20-8:30 am Early Total Care  Alan Jones, MD
8:30-8:45 am Panel Discussion  Faculty

COMPLEX TRAUMA ISSUES: TREATMENT STRATEGIES  Moderator: Alan Jones, MD
8:45-8:55 am Infection: Post Fracture  Keith Mayo, MD
8:55-9:05 am Long Bone Defects  Peter Trafton, MD
9:05-9:15 am Management of the Acutely Unstable Knee  Utku Kandemir, MD
9:15-9:25 am Articular Cartilage Repair  Hubert Kim, MD
9:25-9:35 am Soft Tissue Coverage  Milan Sen, MD
9:35-9:45 am Problem Hind Foot Fractures: Pilon  Douglas Dirschl, MD
9:45-9:55 am Calcaneus  Sean Nork, MD
9:55-10:10 am Panel Discussion  Faculty
10:10-10:25 am Break / Exhibits

Hands-on Workshops with Rotating Sessions: Nailing Proximal Femur Fractures
10:25-1:00 pm Workshop 1: Gamma 3, Nailing Reverse Obliquity Fractures (Stryker)  A. Jones, MD (Leader) / M. Lee, MD / R. Lindsey, MD / U. Kandemir, MD
Workshop 2: PTN, Intertrochanteric Fracture Nailing (Biomet)  D. Dirschl, MD (Leader) / P. Trafton, MD / Col. J. Ficke, MD / T. McClellan, MD
Workshop 3: RIA / Expert, Reamer Irrigator Aspirator with Lateral Entry Femoral Nailing for Subtrochanteric Fractures (Synthes)  E. Schemitsch, MD (Leader) / S. Nork, MD / C. Krettek, MD / H. Kim, MD

10:25-11:10 am Group A  Workshop 1  Group B  Workshop 2  Group C  Workshop 3
11:20-12:05 am Group B  Workshop 1  Group C  Workshop 2  Group A
12:15-1:00 pm Group C  Workshop 1  Group A  Workshop 2  Group B

1:00-2:00 pm Lunch with Case Presentations / Exhibits  Leader: Timothy Bray, MD
Panel: Alan Jones, MD / Mark Lee, MD / Amir Matityahu, MD / Fernando de la Huerta, MD

GENERAL ORTHOPAEDIC TRAUMA ISSUES II  Moderator: Timothy Bray, MD
2:00-2:10 pm Orthopaedic Trauma: A Worldwide Epidemic  Richard Coughlin, MD
2:10-2:20 pm Contrasting Orthopaedic Trauma Systems: USA  Amir Matityahu, MD
2:20-2:30 pm Mexico  Fernando de la Huerta, MD
2:30-2:40 pm Issues Confronting the Community Trauma Surgeon  Timothy Bray, MD
2:40-2:50 pm Cervical Spine Clearance for General Orthopaedist  R. Trigg McClellan, MD
2:50-3:05 pm Panel Discussion  Faculty
3:05-3:20 pm Break

PEDIATRIC ORTHOPEDIC TRAUMA  Moderator: Mohammad Diab, MD
3:20-3:30 pm Elbow Fractures: Supracondylar  Edward Harvey, MD
3:30-3:40 pm Epicondylar  Mohammad Diab, MD
3:40-3:50 pm Forearm & Wrist Fractures  Milan Sen, MD
3:50-4:00 pm Femur Fractures: Plate vs. Nail  Timothy Bray, MD
4:00-4:10 pm Ankle Fractures  Stephen Pinney, MD
4:10-4:20 pm Physeal Fracture Management  Mohammad Diab, MD
4:20-4:35 pm Panel Discussion  Faculty
4:35 pm Raffle / CME Certificates / Adjourn
GENERAL INFORMATION
Pre-registration is preferred to ensure that registrants receive a syllabus and CME Certificate at the course.

HOW TO ENROLL
$595 Physicians
$495 Allied Health / Industry Professionals
$225 Residents / Fellows / Military
Payment can be made by American Express, Visa, MasterCard or check.

Register via:
Online: www.cme.ucsf.edu
Mail: Complete course registration form and send with payment to:
UCSF Office of CME
P.O. Box 45368
San Francisco, CA 94145-0368
Fax: Fax completed registration form to: (415) 502-1795 (be sure to include your credit card number).
Phone: To register by phone or to inquire about registration status, please call UCSF’s CME Registration Office at (415) 476-5808.

REFUNDS
Cancellations received in writing on or before April 18, 2007, will be refunded, less a $75 administrative fee. No refunds will be made on cancellations received after that date.

CONFERENCE LOCATION
Overlooking the pristine Bay and its dynamic neighborhood, the Hyatt Regency San Francisco is the only luxury hotel directly on the Embarcadero waterfront. This gleaming hotel showcases a captivating array of shopping, dining, and sightseeing adventures.
A block of guest rooms has been reserved at a special UCSF discounted conference rate of $209. The contracted cut off date is 3/28/07, or until the group room block is filled, whichever comes first. After this date, rooms will be provided on a space-available basis only.
By staying at the host hotel, you help the University of California meet its contractual obligations and keep future registration fees reasonable. Please take this into consideration when making your accommodation decisions.

RENTAL CAR
Hertz is offering special rates for participants of this conference; simply call (800) 654-2240 and refer to identification number #03BW0101, or call your travel agent. You may also make reservations at www.Hertz.com. Advance reservations are recommended.

AIR TRANSPORTATION
Special arrangements have been made with Montgomery Travel. Simply call (800) 391-2287 or complete the form on the UCSF web page at www.montgomery-travel.com. In addition to offering lower rates than published airfares, ticketed passengers may take advantage of the 24 hour emergency service. There is a $35 service fee.
UCSF OCME has negotiated special fares with American and United Airlines for our course attendees. You may use the following tour codes to book on your own:
American 800-433-1790 code: 15273
United 800-521-4041 code: 510CF
Last Name  First M.I.

Degree  Specialty

Address

City  State  Zip

Daytime Phone  Fax

Email

Address Label Code Letter (see address label: example, A, B, C, D, etc.)

Would you like to be on our priority email list?  ☐ Yes  ☐ No

Would you like to be on our priority fax list?  ☐ Yes  ☐ No

Date of birth to be used as OCME registrant number: ___ ___ /___ ___ / X X

Would you be interested in a guest program?  ☐ Yes  ☐ No

Please indicate if you have any special needs:

Registration Fees

☐ $595  Physicians
☐ $495  Allied Health / Industry Professionals
☐ $225  Residents / Fellows / Military

Make checks payable to UC Regents

Please charge my credit card:  ☐ Visa  ☐ MasterCard  ☐ American Express for $ ________________

Card #  Expiration date

Name on Card (Please Print)  Authorized Signature

Refund Policy: Cancellations received in writing on or before April 19, 2007 will be refunded, less a $75 administrative fee. No refunds will be made on cancellations received after that date.

ON-SITE REGISTRATION

Time: 7:00 am – 8:00 am

Date: Thursday, April 19, 2007

Place: Hyatt Regency
San Francisco
5 Embarcadero Center
San Francisco, CA 94111
(415) 788-1234
www.hyatt.com