

**MAY (15) 16-18, 2019**

# 14TH ANNUAL INTERNATIONAL SAN FRANCISCO Orthopaedic Trauma Course

InterContinental Hotel | San Francisco, CA

## CHAIRS

**Theodore Miclau, III, MD**

Professor and Vice Chairman  
UCSF Department of Orthopaedic Surgery

**Amir Matityahu, MD**

Professor of Orthopaedics  
UCSF Department of Orthopaedic Surgery

**HIGHLIGHTS**  
30 CME Credits  
15 Workshops  
Nursing Course  
Welcome Reception

**PRE-COURSE:**  
Wednesday, May 15, 2019  
Case Reviews in Trauma  
7.25 CME Credits

  
Orthopaedic Trauma Institute

## 2019 PRE-COURSE CASE REVIEWS IN TRAUMA

### OVERVIEW

Experts will review current concepts in orthopaedic trauma, including the management of polytrauma and complex fractures, through case reviews and group discussions.

### EDUCATIONAL OBJECTIVES

At the conclusion of this educational activity, the participants should possess greater familiarity with current treatment trends and opinions in orthopaedic trauma that can be applied readily to their clinical practice.

### WEDNESDAY, MAY 15, 2019

7:30-8:00 am Registration / Continental Breakfast

#### CASE PRESENTATIONS: LOWER EXTREMITY

**Moderator:** Amir Matityahu, MD

8:00-8:10 am Welcome

8:10-12:00 pm Participant and Faculty Cases Panel: S. Morshed / R.T. McClellan / V. de Ridder / E. Meinberg

12:00-1:00 pm Lunch / Registration

#### CASE PRESENTATIONS: UPPER EXTREMITY

**Moderator:** Utku Kandemir, MD

1:00-1:10 pm Welcome

1:10-4:30 pm Participant and Faculty Cases Panel: N. Lee / N. Schroeder / A. Schmidt / A. Ding

4:30 pm Adjourn

### NURSING WORKSHOPS

(SIMULTANEOUS TO MAIN COURSE WORKSHOPS)

### THURSDAY, MAY 16, 2019

#### Nursing Workshop 1: Injury to Diagnosis: Lower Extremity Physical Exam and Work-Up

9:35-10:15 am Hip Eric Meinberg, MD  
 10:25-11:05 am Knee Paul Toogood, MD  
 11:15-11:55 am Ankle/Foot David Shearer, MD

#### Nursing Workshop 2: Injury to Diagnosis: Upper Extremity Physical Exam and Work-Up

2:45-3:25 pm Shoulder Anthony Ding, MD  
 3:35-4:15 pm Elbow Nicolas Lee, MD  
 4:25-5:05 pm Wrist Nicole Schroeder, MD

### FRIDAY, MAY 17, 2019

#### Nursing Workshop 3: Post-Operative Management Issues I

10:35-11:15 am Wound and Skin Graft Care Michael Terry, MD  
 11:25-12:05 pm Rehabilitation: Mobilization Protocols Lisa Pascual, MD  
 12:15-12:55 pm Bracing: Upper and Lower Extremity Aarti Deshpande, CPO / Alex Shimkus, CPO

#### Nursing Workshop 4: Post-Operative Management Issues II

3:10-3:50 pm Peripheral Nerve Injury: Diagnosis and Recovery Karina del Rosario, MD  
 4:00-4:40 pm Acute Pain: Blocks and Medications Arthur Wood, MD  
 4:50-5:30 pm Chronic Pain: Injection Strategies Masato Nagao, MD

### SATURDAY, MAY 18, 2019

#### Nursing Workshop 5: Before Fracture Fixation

10:35-11:15 am Pre-Operative Trauma Clearance: The Basics Rachel Callcut, MD  
 11:25-12:05 pm Vascular Work-Up: Diagnosing and Managing Injuries Shant Vartanian, MD  
 12:15-12:55 pm Spine Clearance: Diagnosing Injuries Michael Cluck, MD

Pre-course led by faculty from:



### ACCREDITATION

The University of California, San Francisco (UCSF) School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

#### Physicians

UCSF designates this live activity for a maximum of 37.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The approved credits shown are inclusive of 30.00 credits for the main course and 7.25 credits for the Case Reviews in Trauma course toward satisfying the American College of Surgeons Committee on Trauma requirement for trauma-related continuing medical education.

#### Physician Assistants

The American Academy of Physician Assistants (AAPA) accepts courses approved for AMA PRA Category 1 Credit™ as meeting the continuing education requirements for license renewal.

#### Nursing Credit

For the purpose of recertification, the American Nurses Credentialing Center accepts AMA PRA Category 1 Credit™ issued by organizations accredited by the ACCME.

### ACKNOWLEDGEMENT OF COMMERCIAL SUPPORT

Educational Grants/  
 In-Kind Donations  
 Acumed  
 Bioventus  
 DePuy Synthes  
 Globus Medical  
 Stryker Trauma  
 Zimmer Biomet



### EDUCATIONAL CONTENT ENDORSED BY OTA

The educational content of this course is endorsed by the Orthopaedic Trauma Association (OTA). The OTA continues to lead the way in the advancement of musculoskeletal trauma patient care through education, research, and patient advocacy. The OTA offers educational and research opportunities to meet the life-long learning needs of orthopaedic surgeons. Visit the website to learn how the OTA can benefit you at <http://www.ota.org> (the OTA is not a commercial supporter or sponsor of this activity).

# Orthopaedic Trauma Course Faculty

MAY (15) 16-18, 2019 • INTERCONTINENTAL HOTEL • SAN FRANCISCO, CA

## COURSE CHAIRS

### Theodore Miclau, III, MD

Professor and Vice Chairman  
Department of Orthopaedic Surgery  
Director of Orthopaedic Trauma  
University of California, San Francisco  
Chief, Orthopaedic Surgery  
Zuckerberg San Francisco General

### Amir Matityahu, MD

Professor of Orthopaedics  
Department of Orthopaedic Surgery,  
University of California, San Francisco  
Zuckerberg San Francisco General  
Chief, Orthopaedic Surgery  
Regional Medical Center of San Jose

## ORTHOPAEDIC TRAUMA INSTITUTE (OTI)

Department of Orthopaedic Surgery, UCSF  
Zuckerberg San Francisco General

### Curt Comstock, MD

Clinical Professor

### R. Richard Coughlin, MD

Clinical Professor  
Director, Foot and Ankle Service

### Michael Cluck, MD

Associate Clinical Professor

### Karina Del Rosario, MD

Assistant Clinical Professor

### Aarti Deshpande, CPO

Clinical Manager  
ZSFG Orthotics & Prosthetics Center

### Anthony Ding, MD

Assistant Clinical Professor

### Monara Dini, DPH, DPM

Assistant Clinical Professor

### Erin Donohoe, MD

Clinical Instructor

### Matthew Herring, MD

Clinical Instructor

### Utku Kandemir, MD

Clinical Professor  
Director, Sports Medicine Service

### Nicolas Lee, MD

Assistant Clinical Professor

### Meir T. Marmor, MD

Associate Clinical Professor

### R. Trigg McClellan, MD

Clinical Professor  
Director, Spine Service

### Eric G. Meinberg, MD

Clinical Professor  
Director, Arthroplasty Service

### Saam Morshed, MD, PhD

Associate Professor In Residence  
Director, Clinical Research  
Director, Orthopaedic Trauma Service  
UCSF Medical Center

### Masato Nagao, MD, PhD

Clinical Professor

### Charles Parks, DPM

Assistant Clinical Professor  
Director, Podiatric Services

### Lisa U. Pascual, MD

Clinical Professor  
Chief, Rehabilitation Services

### Nicole S. Schroeder, MD

Associate Clinical Professor  
Director, Hand Surgery Service

### David Shearer, MD

Assistant Professor In Residence

### Alex Shimkus, MS

Associate Specialist  
ZSFG Orthotics & Prosthetics Center

### Paul Toogood, MD

Assistant Professor In Residence

## UNIVERSITY OF CALIFORNIA, SAN FRANCISCO SCHOOL OF MEDICINE

### Ravinder Brar, MD

Assistant Clinical Professor  
Department of Orthopaedic Surgery  
Benioff Children's Hospital Oakland

### Rachael Callcut, MD, MSPH

Associate Professor  
Department of Surgery  
Division of General Surgery  
Zuckerberg San Francisco General

### Mohammad Diab, MD

Professor  
Department of Orthopaedic Surgery  
Chief, Pediatric Orthopaedic Surgery

### Scott Hansen, MD

Professor  
Chief, Hand and Microvascular Surgery  
Department of Surgery  
Chief, Plastic and Reconstructive Surgery

### Igor Immerman, MD

Assistant Professor  
Department of Orthopaedic Surgery

### Jason Jagodzinski, MD

Assistant Professor  
Department of Orthopaedic Surgery  
Benioff Children's Hospital Oakland

### Kristin Livingston, MD

Assistant Clinical Professor  
Department of Orthopaedic Surgery  
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### Michael J. Terry, MD

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Reconstructive Surgery  
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### Shant Vartanian, MD

Assistant Professor  
Department of Surgery  
Division of Vascular &  
Endovascular Surgery  
Zuckerberg San Francisco General

### Arthur Wood, MD

Assistant Professor  
Department of Anesthesia  
Zuckerberg San Francisco General

## DISTINGUISHED GUEST FACULTY

### Joseph Borrelli, Jr., MD

BayCare Medical Group  
Tampa, FL

### Timothy Bray, MD

Associate  
Reno Orthopaedic Clinic  
Reno, NV  
Clinical Professor  
University of California, Davis  
Davis, CA

### Niloofer Dehghan, MD

Attending Surgeon  
CORE Orthopaedic and Spine Institute  
Banner University Medical Center  
Phoenix, AZ

### Kyle F. Dickson, MD, MBA

Professor  
Department of Orthopaedic Surgery  
Baylor University  
Houston, TX

### Shepard R. Hurwitz, MD

Professor  
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Chapel Hill, NC

## DISTINGUISHED GUEST FACULTY (CONT'D)

### David Lowenberg, MD

Clinical Professor  
Department of Orthopaedic Surgery  
Standford Medical Center  
Palo Alto, CA

### Michael D. McKee, MD

Professor and Chairman  
Department of Orthopaedic Surgery  
University of Arizona  
College of Medicine  
Phoenix, AZ

### Steven A. Olson, MD

Professor  
Department of Orthopaedic Surgery  
Chief, Orthopaedic Trauma Service  
Duke University Medical Center  
Durham, NC

### Melvin P. Rosenwasser MD

Professor of Orthopaedic Surgery  
Chief, Orthopaedic Trauma &  
Hand Service  
Columbia University Medical Center  
New York, NY

### Andrew H. Schmidt, MD

Professor  
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### Paul Torretta, III, MD

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Chief, Orthopaedic Trauma Service  
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### Donald Wiss, MD

Clinical Professor  
Department of Orthopaedic Surgery  
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## DISTINGUISHED INTERNATIONAL GUEST FACULTY

### Fernando de la Huerta, MD

Past Chairman, Orthopaedic Division  
Hospital de Especialidades,  
Instituto Mexicano del Seguro Social  
Guadalajara, Mexico

### Christian Krettek, MD

Professor and Chairman  
Trauma Department  
Hannover Medical School  
Hannover, Germany

### Ross K. Leighton, MD

Professor  
Department of Surgery  
Dalhousie University  
Halifax NS, Canada

### Victor de Ridder, MD

Professor Emergency Care and Logistics,  
Trauma and Pediatric Trauma  
University Medical Center Utrecht  
Utrecht, Netherlands

### Emil Schemitsch, MD

Professor and Chairman  
Department of Orthopaedic Surgery  
University of Western Ontario  
London, Ontario, Canada

**WATCH IT NOW!** **NEW TO THE COURSE?** Has it been awhile since you have attended? Please watch what our course is all about at our online video library. Open YouTube and search for 'Annual Trauma Course Video Series' on the Orthopaedic Trauma Institute channel.





**THURSDAY, MAY 16, 2019**

7:00-7:20 am	Registration / Continental Breakfast / Visit Exhibits	
7:20-7:30 am	Welcome: SF Orthopaedic Trauma Course	Theodore Miclau, MD
7:30-7:40 am	Orthopaedic Trauma Association	Michael McKee, MD
7:40-7:50 am	Maintenance of Certification: What is New?	Shepard Hurwitz, MD
<b>SHOULDER/HUMERUS</b>	<b>Moderator: Michael McKee, MD</b>	
7:50-8:00 am	Scapular Body Fractures and Scapulothoracic Dissociations: Recognizing the High Velocity Injury	Niloofer Dehghan, MD
8:00-8:10 am	Clavicle Fracture Fixation: Avoiding Complications	Donald Wiss, MD
8:10-8:30 am	Evidence-Based Mini-Debate: Proximal Humerus Fractures	
8:10-8:15 am	Non-op treatment	Emil Schemitsch, MD
8:15-8:20 am	ORIF	Donald Wiss, MD
8:20-8:25 am	Hemi-Arthroplasty	Utku Kandemir, MD
8:25-8:30 am	Total Shoulder Replacement	Michael McKee, MD
8:30-8:40 am	Minimally Invasive Plating of the Humerus: Why, When, and How?	Christian Krettek, MD
8:40-8:55 am	Video: Extensile Approaches to the Upper Extremity	Utku Kandemir, MD
8:55-9:15 am	Panel Discussion	Faculty
9:15-9:35 am	Break / Visit Exhibits / Travel to Workshops	

**Hands-on Workshops with Rotating Sessions: Upper Extremity**

	<b>Workshop 1:</b> Proximal Humerus Fractures <i>M. McKee (Leader) / D. Wiss / A. Schmidt / U. Kandemir / N. Dehghan / P. Toogood</i>		
	<b>Workshop 2:</b> Distal Radius Fractures: Dorsal Approaches <i>M. Rosenwasser (Leader) / M. Terry / N. Lee / E. Schemitsch / E. Meinberg</i>		
	<b>Workshop 3:</b> Distal Radius Fractures: Volar Approaches <i>N. Schroeder (Leader) / S. Hansen / A. Ding / I. Immerman / D. Shearer</i>		
	<b>Workshop 1</b>	<b>Workshop 2</b>	<b>Workshop 3</b>
9:35-10:15 am	Group A	Group B	Group C
10:25-11:05 am	Group B	Group C	Group A
11:15-11:55 am	Group C	Group A	Group B

11:55-1:00 pm	Lunch Symposium / Visit Exhibits	
	Geriatric Fractures: Evolving Treatments	
	Leader: <i>J. Borrelli</i>	
	Panel: <i>D. Wiss / R. Leighton / M. Rosenwasser / T. Bray / E. Meinberg</i>	

**ELBOW/HAND Moderator: Melvin Rosenwasser, MD**

1:00-1:10 pm	Supracondylar Humerus Fractures: Minimizing the Stiff Elbow	Emil Schemitsch, MD
1:10-1:20 pm	Capitellar Fractures: Preserving the Blood Supply	Igor Immerman, MD
1:20-1:30 pm	Radial Head/Neck Fractures: When to Fix, Replace, or Remove	Michael McKee, MD
1:30-1:40 pm	Complex Forearm Fractures: Strategies for Segmental Patterns and Bone Loss	Anthony Ding, MD
1:40-1:50 pm	Evidence-Based Mini-Debate: Highly Comminuted Distal Radius Fractures	
1:40-1:45 pm	External Fixation	Melvin Rosenwasser, MD
1:45-1:50 pm	Spanning Dorsal Plating	Nicolas Lee, MD
1:50-2:05 pm	Video: Approaches to the Metacarpals and Phalanges	Nicole Schroeder, MD
2:05-2:25 pm	Panel Discussion	Faculty
2:25-2:45 pm	Break / Visit Exhibits / Travel to Workshops	

**Hands-on Workshops with Rotating Sessions: Hip and Femur**

	<b>Workshop 1:</b> Proximal Femur Periprosthetic Fracture <i>A. Schmidt (Leader) / E. Meinberg / M. Marmor / E. Schemitsch / P. Toogood</i>		
	<b>Workshop 2:</b> Femoral Shaft Fractures: Antegrade and Retrograde Approaches <i>U. Kandemir (leader) / R. Leighton / K. Dickson / V. de Ridder / R.T. McLellan</i>		
	<b>Workshop 3:</b> Proximal Femur Fractures <i>S. Olson (leader) / C. Krettek / T. Bray / J. Borrelli / C. Comstock</i>		
	<b>Workshop 1</b>	<b>Workshop 2</b>	<b>Workshop 3</b>
2:45-3:25 pm	Group A	Group B	Group C
3:35-4:15 pm	Group B	Group C	Group A
4:25-5:05 pm	Group C	Group A	Group B

5:05-5:15 pm	Break / Visit Exhibits / Travel to Lectures	
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**ACETABULUM/PELVIS Moderator: Kyle Dickson, MD**

5:15-5:25 pm	Assessing Pelvic Stability: Has Anything Changed?	Ross Leighton, MD
5:25-5:35 pm	Evidence-Based Mini-Debate: Minimally Displaced Pelvis Fracture with Moderate Instability	
5:25-5:30 pm	Non-Operative Management	Joseph Borrelli, MD
5:30-5:35 pm	Operative Management	Victor de Ridder, MD
5:35-5:45 pm	Acetabular Fracture Fixation: What are the Indications?	Kyle Dickson, MD
5:45-5:55 pm	Posterior Wall Fractures: Improving Outcomes	Steven Olson, MD
5:55-6:10 pm	Video: Anterior Approaches to the Pelvis and Acetabulum	Amir Matiyahu, MD
6:10-6:25 pm	Panel Discussion	Faculty
6:25-6:30 pm	Raffle / Adjourn	
6:30-8:00 pm	Welcome Reception (Open to All Attendees)	

## FRIDAY, MAY 17, 2019

7:00-7:25 am	Continental Breakfast / Visit Exhibits	
7:25-7:30 am	Welcome	Theodore Miclau, MD
<b>HIP/FEMUR Moderator: Steven Olson, MD</b>		
7:30-7:40 am	Femoral Neck Fracture Fixation: Open or Closed?	Saam Morshed, MD
7:40-7:50 am	THA: When is it Indicated for Femoral Neck Fractures?	Kyle Dickson, MD
7:50-8:00 am	Subtrochanteric Femur Fracture Management: What You Should Know	Joseph Borrelli, MD
8:00-8:10 am	Atypical Femur Fractures: Why Did the Index Operation Fail? What Next?	Donald Wiss, MD
8:10-8:20 am	Medial Distal Femur Fractures: Approaches, Reduction, and Fixation	Christian Krettek, MD
8:20-8:35 am	Video: Approaches to the Distal Femur and Knee	Paul Toogood, MD
8:35-8:55 am	Discussion	Faculty
<b>KNEE/TIBIA Moderator: Timothy Bray, MD</b>		
8:55-9:05 am	Tibial Plateau Fractures and Ligament Instability: What Should be Fixed and When?	Utku Kandemir, MD
9:05-9:15 am	Complex Bicondylar Tibial Plateau Fractures: Algorithmic Approaches	Ross Leighton, MD
9:15-9:25 am	Evidence-Based Mini-Debate: Tibial Nailing: What Is Better?	
9:15-9:20 am	Suprapatellar	Andrew Schmidt, MD
9:20-9:25 am	Infrapatellar	Steven Olson, MD
9:25-9:35 am	Open Tibia Fractures: Where are the Pendulums Now?	Nilofar Dehghan, MD
9:35-9:45 am	Complex Patella Fractures: Tension Band, Plate, or Excise	Timothy Bray, MD
9:45-9:55 am	Pollar Screws: All You Need to Know	Christian Krettek, MD
9:55-10:15 am	Discussion	Faculty
10:15-10:35 am	Break / Visit Exhibits / Travel to Workshops	

### Hands-on Workshops with Rotating Sessions: Tibia Fractures

**Workshop 1:** Intraarticular and Periarticular Tibial Fractures: Spanning External Fixation  
*T. Bray (Leader) / M. McKee / S. Olson / M. Herring / S. Morshed*

**Workshop 2:** Tibial Shaft Fractures: IM Nailing  
*U. Kandemir (leader) / V. de Ridder / N. Dehghan / E. Schemitsch / E. Donohoe*

**Workshop 3:** Decreasing Non-Union Risk  
*M. McKee (leader) / M. Rosenwasser / J. Borrelli / A. Schmidt / P. Toogood*

	<b>Workshop 1</b>	<b>Workshop 2</b>	<b>Workshop 3</b>
10:35-11:15 am	Group A	Group B	Group C
11:25-12:05 pm	Group B	Group C	Group A
12:15-12:55 pm	Group C	Group A	Group B

12:55-1:45 pm  
*Lunch Symposium / Visit Exhibits*  
OTA Presidential Address: Question Everything  
Introduction: *T. Miclau*  
Lecturer: *P. Tornetta*

### GENERAL TRAUMA TOPICS I Moderator: Joseph Borrelli, MD

1:45-1:55 pm	Radiographic Evaluations: Which are Best to Determine Healing?	Emil Schemitsch, MD
1:55-2:05 pm	Cost Containment Opportunities in Orthopaedic Trauma	Timothy Bray, MD
2:05-2:15 pm	Rehabilitation Strategies for the Polytrauma Patient	Lisa Pascual, MD
2:15-2:25 pm	It's the Patient Who Should Decide on Treatment	Paul Tornetta, MD
2:25-2:35 pm	Post-Op Pain Management: Strategies to Avoid Opioid Dependency	Arthur Wood, MD
2:35-2:50 pm	Panel Discussion	Faculty
2:50-3:10 pm	Break / Visit Exhibits / Travel to Workshops	

### Hands-on Workshops with Rotating Sessions: Traumatic Injury Management

**Workshop 1:** Managing Challenging Non-Unions: Adjunct Therapies  
*K. Dickson (Leader) / M. Rosenwasser / S. Hurwitz / J. Borrelli / M. Marmor*

**Workshop 2:** Ankle Fractures  
*A. Schmidt (Leader) / N. Dehghan / D. Shearer / E. Meinberg / R. Coughlin*

**Workshop 3:** Managing Challenging Non-Unions: Surgical Solutions  
*D. Wiss (Leader) / R. Leighton / S. Olson / V. de Ridder / F. de la Huerta*

	<b>Workshop 1</b>	<b>Workshop 2</b>	<b>Workshop 3</b>
3:10-3:50 pm	Group A	Group B	Group C
4:00-4:40 pm	Group B	Group C	Group A
4:50-5:30 pm	Group C	Group A	Group B

### PEDIATRICS Moderator: Mohammad Diab, MD

5:30-5:40 pm	Pediatric Fracture Care: 10 Guiding Principles	Ravinder Brar, MD
5:40-5:50 pm	Supracondylar Humerus Fracture Fixation: Closed and Open Techniques	Kristin Livingston, MD
5:50-6:00 pm	SCFE: Management of Acute and Chronic Presentations	Mohammad Diab, MD
6:00-6:10 pm	Femur Fracture Management: Casting, Plating, and Nailing	Jason Jagodzinski, MD
6:10-6:20 pm	Flexible Nail Insertion: Tips and Tricks	Victor de Ridder, MD
6:20-6:35 pm	Panel Discussion	Faculty
6:30 pm	Adjourn	

## SATURDAY, MAY 18, 2019

7:00-7:25 am Continental Breakfast / Visit Exhibits  
7:25-7:30 am Welcome

Theodore Miclau, MD

### FOOT/ANKLE Moderator: Paul Tornetta, MD

7:30-8:00 am Avoiding Malreductions:

7:30-7:40 am Ankle  
7:40-7:50 am Talus  
7:50-8:00 am Calcaneus

Paul Tornetta, MD  
Ross Leighton, MD  
Paul Toogood, MD  
R. Richard Coughlin, MD  
David Shearer, MD

8:00-8:10 am Commonly Missed Foot Injuries: Tips to Avoid Missing Them  
8:10-8:20 am Restoration of the Longitudinal Foot Column: Timing and Fixation

8:20-8:35 am Video: Choosing the Right Approach for Pilon Fractures  
8:35-8:55 am Panel Discussion

Saam Morshed, MD  
Faculty

### NEW TECHNOLOGIES Moderator: Andrew Schmidt, MD

8:55-9:05 am 3D Printing: A Technology Looking for an Indication?

9:05-9:15 am Precision Medicine: Does it Have a Role in Orthopaedic Trauma?

Christian Krettek, MD  
Meir Marmor, MD

9:15-9:25 am Plating: What is on the Horizon for the Technique?

9:25-9:35 am Open Access Publishing: A Paradigm Shift for Future Knowledge Dissemination

Paul Tornetta, MD  
David Lowenberg, MD

9:35-9:45 am Digital Orthopaedic Technology: What is New in 2019?

9:45-9:55 am Prosthetic Technology: Advances

9:55-10:15 am Panel Discussion

Amir Matiyahu, MD  
Shepard Hurwitz, MD  
Faculty

10:15-10:35 am Break / Visit Exhibits / Travel to Workshops

### Hands-on Workshops with Rotating Sessions: Fracture Surgery Complications

**Workshop 1:** Imaging Techniques to Improve Outcomes

A. Matiyahu (Leader) / C. Krettek / T. Bray / S. Olson / M. Marmor

**Workshop 2:** Soft Tissue Defects: Solutions for Orthopaedic Surgeons

S. Hansen (Co-Leader) / N. Lee (Co-Leader) / M. Terry / A. Ding / R. Coughlin

**Workshop 3:** Avoiding Complications: Plating Techniques

S. Morshed (Leader) / D. Shearer / V. de Ridder / F. de la Huerta / R. Leighton

10:35-11:15 am

#### Workshop 1

Group A

#### Workshop 2

Group B

#### Workshop 3

Group C

11:25-12:05 pm

Group B

Group C

Group A

12:15-12:55 pm

Group C

Group A

Group B

12:55-1:55 pm Lunch Symposium / Visit Exhibits

Managing Acute and Chronic Infections

Moderator: D. Lowenberg

Panel: K. Dickson / A. Schmidt / S. Hansen / E. Schemitsch / S. Morshed

### GENERAL TRAUMA II Moderator: David Lowenberg, MD

1:55-2:05 pm Fracture Fixation in the Polytrauma Patient: Markers that Matter

Saam Morshed, MD

2:05-2:15 pm Assessing Intraoperative Reduction: Is Fluoroscopy Enough?

Meir Marmor, MD

2:15-2:25 pm Fractures with Vascular Injury: Management Protocols

Shant Vartanian, MD

2:25-2:35 pm Management of the Polytrauma Patient on Anticoagulation

Rachel Callcut, MD

2:35-2:45 pm The Injured Cervical Spine: Diagnosing the Unstable Injury

R. Trigg McClellan, MD

2:45-2:55 pm International Partnerships: Addressing Critical Needs

R. Richard Coughlin, MD

2:55-3:15 pm Panel Discussion

Faculty

### POST-TRAUMATIC RECONSTRUCTION Moderator: Shepard Hurwitz, MD

3:15-3:25 pm Leg Length Discrepancies: Managing Difficult Problems

Fernando de la Huerta, MD

3:25-4:05 pm Arthritis in Young Patients Post-Fracture: Strategies

3:25-3:35 pm Shoulder

Utku Kandemir, MD

3:35-3:45 pm Hip

Eric Meinberg, MD

3:45-3:55 pm Knee

Paul Toogood, MD

3:55-4:05 pm Ankle

Dave Shearer, MD

4:05-4:25 pm Discussion

Fernando de la Huerta, MD

4:25-4:30 pm Course Summary/Raffle

Faculty

4:30 pm Adjourn

Theodore Miclau, MD

# 14TH ANNUAL INTERNATIONAL Orthopaedic Trauma Course

MMC19010/A

May 16-18, 2019 • InterContinental Hotel, San Francisco

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Online: cme.ucsf.edu  
Registration Information: (415) 476-5808  
Course Information: (415) 999-9123

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Email		

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Would you like to be on our priority e-mail list?  Yes  No

Date of birth to be used as OCME registrant number: \_\_\_ / \_\_\_ / X X  
Month Day

Please indicate if you have any special needs: \_\_\_\_\_

## REGISTRATION

(MMC19010 MAY 16-18, 2019)

Physicians  \$745 On or Before 4/15/19  
 \$845 After 4/15/19

Industry Professionals  
 \$745 On or Before 4/15/19  
 \$845 After 4/15/19

Allied Health Professionals and PA's  
 \$645 On or Before 4/15/19  
 \$745 After 4/15/19

Nurses (for registration in course and simultaneous nursing workshops)  
 \$645 On or Before 4/15/19  
 \$745 After 4/15/19

Residents/Fellows/Military  
 \$325 On or Before 4/15/19  
 \$425 After 4/15/19

Make checks payable to UC Regents

Please charge my credit card:  Visa  MasterCard  American Express for \$ \_\_\_\_\_

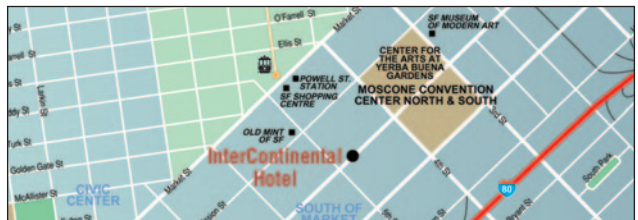
Card # \_\_\_\_\_ / \_\_\_\_\_ Expiration date

Name on Card (Please Print) \_\_\_\_\_ Authorized Signature \_\_\_\_\_

**Refund Policy:** Cancellations received in writing before the first day of the course will be refunded, less a \$75 administrative fee. No refunds will be made on cancellations received after that date.

## ON-SITE REGISTRATION (Pre-registration is preferred to ensure that registrants receive a name badge.)

Time: 6:30 am – 8:00 am  
Date: Thursday, May 16, 2019  
Place: InterContinental Hotel  
San Francisco  
888 Howard Street  
San Francisco, CA 94103  
(888) 811-4273  
<http://www.intercontinental-sanfrancisco.com/>



**Special Discounted Hotel Room Rates:** For guests who book by April 24, 2019, they will receive a discounted rate of \$299.00 per room, per night. After April 24, 2019, guests will receive the group rate based only on availability – rooms book quickly! Please refer to booking code FS9.

To make hotel reservations please call 1-866-781-2364. Please identify yourself as a member of this UCSF conference to receive the special rate. By staying at the host hotel, you help UCSF meet its contractual obligations and keep future registration fees reasonable. Please take this into consideration when making your accommodation decisions.

## REGISTRATION

(MMC19010A: MAY 15, 2019)

### Pre-Course Case Reviews in Trauma

Physicians  \$195\*\*  
(\*\*limited to 50 participants of trauma course MMC19010); please call the registration office to ensure space is available prior to sending payment)

## SPECIAL DISCOUNTED RATES -

Please register via phone or fax and identify your appropriate category:

OTA Members  \$645 On or Before 4/15/19  
 \$745 After 4/15/19

UCSF Inman-Abbott Society Members  
 \$445 On or Before 4/15/19  
 \$545 After 4/15/19

International attendee scholarships are available on request (please contact Erin Simon: erin.simon@ucsf.edu for further information).



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**Orthopaedic Trauma Institute**  
 ATTN: Erin Simon  
 2550 23rd Street  
 Building 9, Third Floor  
 San Francisco, CA 94110

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<http://www.orthotrauma.com>



<http://www.orthotrauma.com>

**REGISTER TODAY!**

You may REGISTER directly by logging onto [cme.ucsf.edu](http://cme.ucsf.edu)  
 For QUESTIONS and EXHIBITOR INFORMATION, contact  
 Erin Simon - Director, OTI, Courses and Events, Orthopaedic Trauma  
 Institute | [erin.simon@ucsf.edu](mailto:erin.simon@ucsf.edu). The syllabus will be available only  
 via the Orthopaedic Trauma Course app.

**2019 ORTHOPAEDIC TRAUMA COURSE • MAY (15) 16-18, 2019**

**COURSE OVERVIEW**

Learn new and evolving concepts in trauma and fracture management through didactic lectures, case presentations, and hands-on practice with the latest implants from international leaders in the field of orthopaedic traumatology.

**This course is of substantial value in the preparation for board and recertification examinations.**

**EDUCATIONAL OBJECTIVES**

At the conclusion of this educational activity participants should be able to:

- Review orthopaedic trauma principles
- Improve skills and assess advancements in surgical techniques through hands-on plating, external fixation, and intramedullary nailing methodology.
- Apply technological advancements that can be brought readily to the clinical setting of orthopaedic trauma care, including osteobiologics and instrumentation.

**HOTEL AND GENERAL INFORMATION**

Our regular room block is available beginning May 15th throughout the meeting.

INTERCONTINENTAL SAN FRANCISCO • 888 Howard Street • San Francisco, CA 94103  
 415-616-6500 • [www.intercontinental.com/sanfranciscoca](http://www.intercontinental.com/sanfranciscoca)

The group rate of \$299, based upon availability, expires April 24, 2019. Please note rooms are going quickly - it is encouraged to make your reservations soon!

For Reservations call 1-866-781-2364 • **Please refer to booking code FS9**

For hotel needs May 14th and earlier we have a secondary room block at the near-by Nikko hotel. Please email [erin.simon@ucsf.edu](mailto:erin.simon@ucsf.edu) for the special discounted booking link.

For questions about these rates or alternative housing please contact Erin Simon: [erin.simon@ucsf.edu](mailto:erin.simon@ucsf.edu)

**SAVE THE DATES! May (20) 21-23, 2020**