

## 2024 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, APRIL 3, 2024

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: M. Marmor / D. Shearer / H. Elsevier / M. Xu

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 / T. Ding / M. Terry / K. Vogeli / L. Cardon

4:30 pm Adjourn

### NURSING TRACK

(SIMULTANEOUS TO MAIN COURSE WORKSHOPS)

### THURSDAY, APRIL 4, 2024

#### Nursing Workshop 1: Musculoskeletal Imaging: Interpretation Tips and Tricks

9:40-10:20 am Open Fractures Mark Xu, MD

10:30-11:10 am Multiple Extremity Fractures Steven Olson, MD

11:20-12:00 pm Geriatric Fractures Meir Marmor, MD

#### Nursing Workshop 2: Common Post-Operative Controversies

2:25-3:05 pm NSAIDs Post-Fracture: Are Prism Schneider, MD

They Safe for Bone Healing?

3:15-3:55 pm Weight Bearing in the Niloofar Dehghan, MD

Extremities: How Much is

Enough?

4:05-4:45 pm Blocks in Fracture Surgery Aarti Deshpande, CPO

### FRIDAY, APRIL 5, 2024

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

##### Wound Care and Mobilization

10:35-11:10 am Plain Radiographs Shepard Hurwitz, MD

11:20-12:00 am Advanced Imaging Terry Lynch, MD

12:10-12:50 pm Ultrasound Karina del Rosario, MD

#### Nursing Workshop 4: Post-Injury Rehabilitation: Key Considerations

3:05-3:45 pm In-hospital to Post-Hospital Lisa Pascual, MD

Management

3:55-4:35 pm Joint Mobilization: Kevin Vogeli, MD

Upper Extremity

4:45-5:25 pm Joint Mobilization: Masato Nagao, MD

Lower Extremity

### SATURDAY, APRIL 6, 2024

#### Nursing Workshop 5: Challenges in Fracture Surgery (Main Course Labs)

10:25-11:05 am Non-Union (For Faculty Listing)

11:05-11:45 pm Fracture-related Infection See Main Course April 6,

12:05-12:45 pm Open Fracture Soft-Tissue Management (2024 Workshops)

**THURSDAY, APRIL 4, 2024**

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	Emil Schemitsch, MD
7:40-7:50 am	Maintenance of Certification: Trauma Exam 2024 and Other Updates	Shepard Hurwitz, MD

**SHOULDER / UPPER EXTREMITY Moderator: Michael McKee, MD**

7:50-8:00 am	Brachial Plexus Injuries: Evaluation and Treatment	Nicolas Lee, MD
8:00-8:10 am	Scapular Fractures: Surgical Indications and Approaches	Utku Kandemir, MD
8:10-8:20 am	Proximal Humerus Fractures: Preventing and Salvaging Complications	Michael McKee, MD
8:20-8:30 am	Supracondylar Humerus Fractures: Management with Bone and Cartilage Loss	Edward Harvey, MD
8:30-8:40 am	Unstable Elbow Fracture-Dislocations: An Algorithmic Approach	Niloofer Dehghan, MD
8:40-8:55 am	VIDEO: Proximal Humerus Fractures: Case Based Approaches	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**

**Workshop 1:** Fractures about the Shoulder: Case Reviews  
U. Kandemir (Leader) / J. Borrelli / N. Dehghan / A. Schmidt / T. Ding

**Workshop 2:** Distal Humerus Fractures  
M. McKee (Leader) / E. Harvey / E. Schemitsch / L. Cardon / N. Lee

**Workshop 3:** Complex Injuries of the Wrist and Hand: Case Reviews  
M. Rosenwasser (Leader) / M. Terry / L. Santiesteban / S. Hansen / K. Vogeli

	<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

11:55-12:05 pm	Break / Visit Exhibits / Travel to Lectures
12:05-1:00 pm	Lunch Symposium / Visit Exhibits
	OTA Presidential Address: A View From Both Sides of the 49th Parallel
	Introduction: Theodore Miclau
	Lecturer: Michael McKee

**WRIST AND HAND Moderator: Melvin Rosenwasser, MD**

1:00-1:10 pm	Distal Radius Fractures: Pre-operative Planning	Anthony Ding, MD
1:10-1:20 pm	Evaluation and Treatment of TFCC Injuries	Nicole Schroeder, MD
1:20-1:30 pm	Scaphoid Fractures: Diagnosis and Treatment	Kevin Vogeli, MD
1:30-1:40 pm	Metacarpal and Phalangeal Fractures: Does Intramedullary Fixation Work?	Nicolas Lee, MD
1:40-1:50 pm	Commonly Missed Injuries of the Hand	Scott Hansen, MD
1:50-2:05 pm	VIDEO: Distal Radius Fractures: Case Based Approaches	Melvin Rosenwasser, 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: Upper Extremity**

**Workshop 1:** Proximal Femur Fracture  
U. Kandemir (Leader) / S. Olson / N. Dehghan / K. Dickson / H. Elsevier

**Workshop 2:** Periprosthetic Femur Fractures  
A. Schmidt (Leader) / E. Schemitsch / J. Borrelli / T. Barber / M. Marmor

**Workshop 3:** Imaging Techniques to Reduce Surgeon Exposure  
A. El Naga (Co-Leader) / D. Gendelberg (Co-Leader) / M. Xu / P. Klas / C. Spady

	<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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**PELVIS / ACETABULUM Moderator: Joseph Borrelli, MD**

5:15-5:25 pm	Spinopelvic Dissociation: Diagnosis and Treatment	Ashraf El Naga, MD
5:25-5:35 pm	Pelvic Injuries: Managing the Marginal Indication	Kyle Dickson, MD
5:35-5:45 pm	Acetabular Fractures: Fixation Strategies to Avoid Disasters	Steven Olson, MD
5:45-5:55 pm	Posterior Wall Fractures: Determinants of Outcomes	Andrew Schmidt, MD
5:55-6:10 pm	VIDEO: Acetabular Fractures: Case Based Approaches	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, APRIL 5, 2024**

7:00-7:25 am Continental Breakfast / Visit Exhibits  
 7:25-7:30 am Welcome Theodore Miclau, MD

**HIP AND FEMUR Moderator: Kyle Dickson, MD**

7:30-7:50 am Femoral Neck Fractures:  
 7:30-7:40 am Internal Fixation vs. Arthroplasty Joseph Borrelli, MD  
 7:40-7:50 am Hemi-, Bipolar, or Total Hip Arthroplasty: Andrew Schmidt, MD  
 What to Choose?  
 7:50-8:00 am Intertrochanteric Femur Fractures: Decisions that Affect  
 Outcomes Emil Schemitsch, MD  
 8:00-8:10 am Femoral Stabilization in the Unstable Patient: Traction, Peter Althausen, MD  
 Ex-Fix, or IM Nail  
 8:10-8:15 am VIDEO: Distal Femur Fractures: Case Based Approaches Christian Krettek, MD  
 8:15-8:35 am Panel Discussion Faculty

**KNEE AND TIBIA Moderator: Andrew Schmidt, MD**

8:35-8:45 am Proximal Tibia Fractures with Meniscal and Ligamentous Injuries: Diagnosis and Management Utku Kandemir, MD  
 8:45-8:55 am Fractures with Vascular Injury: An Algorithmic Approach James Ficke, MD  
 8:55-9:05 am Open Fractures: Treatment Factors that Matter Ross Leighton, MD  
 9:05-9:15 am Short Segment Tibial Fractures: How to Ensure Reduction Christian Krettek, MD  
 9:15-9:30 am VIDEO: Proximal Tibia Fractures: Case Based Approaches David Shearer, MD  
 9:30-9:50 am Panel Discussion Faculty  
 9:50-10:10 am Break / Visit Exhibits / Travel to Workshops

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

**Workshop 1:** Cerclage Techniques for Lower Extremity Fractures: Tips and Tricks  
 A. Matiyahu (Leader) / E. Schemitsch / P. Toogood / S. Olson / H. Elsevier

**Workshop 2:** Midfoot Fractures and Dislocations  
 J. Ficke (Leader) / R. Leighton / D. Shearer / T. Ding / R. Coughlin

**Workshop 3:** Compartment Syndrome: Diagnosis and Treatment  
 P. Schneider (Leader) / E. Harvey / M. McKee / A. Schmidt / M. Marmor

	<b>Workshop 1</b>	<b>Workshop 2</b>	<b>Workshop 3</b>
10:10-10:50 am	Group A	Group B	Group C
11:00-11:40 pm	Group B	Group C	Group A
11:50-12:30 pm	Group C	Group A	Group B

12:30-12:40 pm Break / Visit Exhibits/ Travel to Lectures  
 12:40-1:30 pm Lunch Symposium / Visit Exhibits  
 Anatomy of a Trauma Practice  
 Introduction: Theodore Miclau, MD  
 Lecturer: T. Bray (Moderator) / S. Olson / T. Barber / P. Althausen / A. Williams

**INNOVATIONS IN ORTHOPAEDIC TRAUMA Moderator: Edward Harvey, MD**

1:30-1:40 pm Trauma Induced Coagulopathy: Therapeutic Strategies Prism Schneider, MD  
 1:40-1:50 pm Inflammaging: Can It Be Countered? Ralph Marcucio, PhD  
 1:50-2:00 pm Cellular Senescence: A Bone Fountain of Youth? Chelsea Bahney, PhD  
 2:00-2:10 pm 3D Printing: What Is Next? Christian Krettek, MD  
 2:10-2:20 pm Big Data: How Will It Affect My Practice? Meir Marmor, MD  
 2:20-2:30 pm Panel Discussion Faculty  
 2:30-2:50 pm Break / Visit Exhibits / Travel to Workshops

**Hands-on Workshops with Rotating Sessions: Geriatric Fractures: Case Reviews**

**Workshop 1:** Upper Extremity  
 M. Rosenwasser (Leader) / M. McKee / E. Harvey / T. Ding / U. Kandemir

**Workshop 2:** Pelvis / Acetabulum  
 S. Olson (Leader) / K. Dickson / P. Althausen / A. Schmidt / P. Toogood

**Workshop 3:** Lower Extremity  
 J. Borrelli (Leader) / E. Schemitsch / F. de la Huerta / R. Leighton / P. Schneider

	<b>Workshop 1</b>	<b>Workshop 2</b>	<b>Workshop 3</b>
2:50-3:30 pm	Group A	Group B	Group C
3:40-4:20 pm	Group B	Group C	Group A
4:30-5:10 pm	Group C	Group A	Group B

5:10-5:20 pm Break / Visit Exhibits / Travel to Lectures

**PERIPROSTHETIC FRACTURE MANAGEMENT Steven Olson, MD**

5:20-5:30 pm Proximal Humerus Michael McKee, MD  
 5:30-5:40 pm Acetabulum Kyle Dickson, MD  
 5:40-5:50 pm Proximal Femur Emil Schemitsch, MD  
 5:50-6:00 pm Distal Femur Andrew Schmidt, MD  
 6:00-6:10 pm Proximal Tibia Paul Toogood, MD  
 6:10-6:30 pm Panel Discussion Faculty  
 6:30 pm Adjourn

**SATURDAY, APRIL 6, 2024**

7:00-7:25 am Continental Breakfast / Visit Exhibits  
 7:25-7:30 am Welcome Theodore Miclau, MD

**FOOT AND ANKLE Moderator: Ross Leighton, MD**

7:30-7:40 am Trimalleolar Ankle Fractures: When to Fix the Posterior Malleolus Shepard Hurwitz, MD  
 7:40-7:50 am Pilon Fractures: Timing and Stabilization David Shearer, MD  
 7:50-8:00 am Calcaneus Fractures: Percutaneous, Sinus Tarsi or Extended Approach? James Ficke, MD  
 8:00-8:10 am Talar Neck and Body Fractures: Approach and Fixation James Ficke, MD  
 8:10-8:20 am Lisfranc's Fracture/Dislocations: Treatment to Optimize Outcomes Ross Leighton, MD  
 8:20-8:35 am VIDEO: Pilon Fractures: Case Based Approaches David Shearer, MD  
 8:35-8:55 am Panel Discussion Faculty

**GENERAL TRAUMA TOPICS James Ficke, MD**

8:55-9:05 am Trauma Call: We Are All Qualified Timothy Bray, MD  
 9:05-9:15 am Intimate Partner Violence: Who and How Do I Help? Prism Schneider, MD  
 9:15-9:25 am Orthopaedic Outreach: Is Philanthropic Funding a Solution? Steven Schwartz, MD  
 9:25-9:35 am Orthopaedic Outreach: Is Philanthropic Funding a Solution? Lisa Pascual, MD  
 9:35-9:45 am Musculoskeletal System Trauma: Tips and Tricks of Reading Advanced Images Ellen Chen, MD  
 9:45-9:55 am Trauma Care Improvement: Learning as A Team Edward Harvey, MD  
 9:55-10:15 am Panel Discussion Faculty  
 10:15-10:35 am Break / Visit Exhibits/ Travel to Workshops

**Hands-on Workshops with Rotating Sessions: Geriatric Fractures: Case Reviews**

**Workshop 1:** Non-Union  
 R. Leighton (Leader) / C. Krettek / T. Bray / P. Schneider / U. Kandemir  
**Workshop 2:** Fracture-Related Infection  
 D. Lowenberg (Leader) / J. Ficke / F. de la Huerta / A. Schmidt / E. Harvey  
**Workshop 3:** Open Fracture Soft-Tissue Management  
 N. Lee (Co-Leader) / M. Terry (Co-Leader) / S. Hansen / T. Ding / D. Shearer

	<b>Workshop 1</b>	<b>Workshop 2</b>	<b>Workshop 3</b>
10:35-11:05 am	Group A	Group B	Group C
11:15-11:55 pm	Group B	Group C	Group A
12:05-12:45 pm	Group C	Group A	Group B

12:45-1:35 pm Lunch Symposium / Visit Exhibits  
 History and Evolution of Orthoplastics  
 Introduction: Theodore Miclau, MD  
 Lecturer: Donald Wiss, MD

**PEDIATRIC ORTHOPAEDICS: TREATMENT APPROACHES Moderator: Sanjeev Sabharwal, MD**

1:35-1:45 pm Supracondylar Humerus Fractures with Vascular Compromise Jaclyn Hill, MD  
 1:45-1:55 pm Transitional Ankle Fractures Nirav Pandya, MD  
 1:55-2:05 pm Septic Hip and Osteomyelitis Donald Kephart, MD  
 2:05-2:15 pm Slipped Capital Femoral Epiphysis: Management Approaches Michael Chau, MD  
 2:15-2:25 pm Pediatric Pelvic and Acetabular Fractures: How Should They Be Approached Differently? Victor de Ridder, MD  
 2:25-2:45 pm Panel Discussion Faculty

**TRADITIONAL TRAUMA TECHNIQUES: WHICH ONES HAVE BEEN REPLACED? Moderator: Utku Kandemir, MD**

2:45-2:55 pm Distal Radius External Fixation Nicolas Lee, MD  
 2:55-3:05 pm Dynamic Hip Screw Fixation Meir Marmor, MD  
 3:05-3:15 pm Infrapatellar Tibial Nailing Ashraf El Naga, MD  
 3:15-3:25 pm Tension Band Wiring (Patella) Timothy Bray, MD  
 3:25-3:45 pm Panel Discussion Faculty  
 3:45-4:00 pm Course Summary/Raffle Theodore Miclau, MD  
 4:00 pm Adjourn