



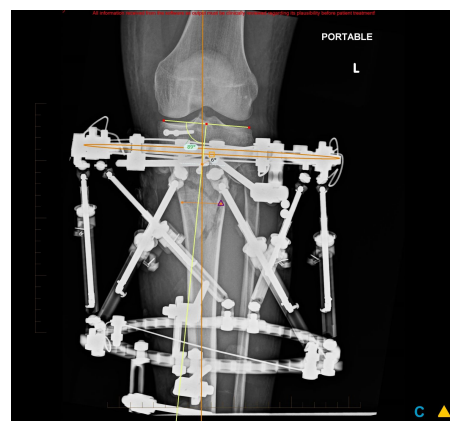
## AO Trauma NA Special Ops Course - Lower Extremity Posttraumatic Reconstruction with Ring Fixation



November 15, 2024 - November 16, 2024  
Raynham, Massachusetts, USA

This comprehensive course is tailored for fellows and practicing surgeons aiming to master the intricacies of lower extremity posttraumatic deformity correction using ring fixation techniques. This course will address a spectrum of surgical challenges from posttraumatic bone loss to complex deformities and difficult soft tissue problems. This course equips participants with the knowledge, skills, and attitudes (KSAs) essential for effective treatment. The course includes a combination of didactic evidence-based lectures and small group discussion cases along with a hands-on practical lab component.

**Target Audience:** Practicing Orthopedic Surgeons and Orthopedic Fellows



## Event Summary

**Tuition:**

Level Name: Participant - Orthopaedic

Pricing Tier: Attending

Tuition: \$1,750.00

Level Name: Participant - Orthopaedic

Pricing Tier: Fellow

Tuition: \$1,500.00

**Course Prerequisite(s):**

No Prerequisites

**Venue:**[Courtyard by Marriott Boston Raynham](#)

Phone Number: 508-822-8383

<https://www.marriott.com/en-us/hotels/pvdry-courtyard-boston-raynham/overview/>[J&J Institute Training Facility \(course site\)](#)

325 Paramount Drive

[Raynham, Massachusetts, USA](#)

Phone Number: 508.880.8383

**Language(s):**

English

**Directly Provided by:****Professional Level Prerequisite(s):**

- Fellow
- Practicing

## CME

### Continuing Education Credit: 13.75



- AO North America is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

**Designation Statement** - AO North America designates this live educational activity for a maximum of 13.75 **AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Continuing Medical Education (CME) mission of AO North America (AONA®) is to provide comprehensive multidisciplinary needs based education to surgeons, fellows, and residents in the specialties of orthopedic, hand, craniomaxillofacial, spine, neurosurgery, and veterinary surgery in the areas of trauma (i.e., operative reduction and fixation), degenerative disorders, deformities, tumors, and reconstruction.

Expected results of AONA's CME activities for surgeons, fellows, and residents are to:

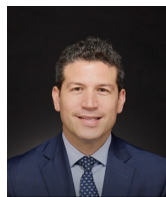
- Increase their knowledge base and surgical skill level
- Improve competence by applying advances of knowledge in patient care in the areas of trauma, degenerative disorders, deformities, tumors, and reconstructive surgical techniques
- Address practice performance gaps by improving management of aspects of traumatic injuries and musculoskeletal disorders (i.e., pre-operative planning to post-operative care)

## Learning Objectives

Upon completion, participants should be able to:

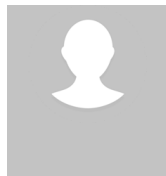
- Perform a comprehensive deformity analysis of the extremity
- Develop a pre-operative surgical plan to treat the deformity related problems identified
- Describe appropriate strategies for limb reconstruction with ring fixation
- Anticipate and manage common pitfalls and complications
- Prescribe a post operative treatment plan

## Faculty



### Bernstein, Mitchell - Co-Chairperson

MD, FRCSC, FAAOS  
Associate Professor  
Orthopedic Trauma & Limb Deformity  
McGill University Health Center  
Montreal, Quebec



### Reid, J Spence - Co-Chairperson

MD  
Professor  
Chief - Division of Orthopedic Trauma  
Penn State University College of Medicine  
Hershey, Pennsylvania



### Hagedorn, John - Lecturer

MD  
Associate Professor  
Chief Orthopaedic Trauma, Program Director Orthopaedic Residency  
Department of Orthopaedic Surgery and Rehabilitation  
University of Texas Medical Branch  
Galveston, Texas

John Hagedorn was born in Parkersburg, West Virginia and lived in five states and six cities growing up. Before obtaining his current position as the director and chief of Orthopaedic Trauma at the University of Texas Medical Branch in Galveston, Texas Dr. Hagedorn attended the University of Illinois Urbana-Champaign for undergraduate studies, West Virginia University for Medical School and Residency, and completed his orthopaedic Traumatology Fellowship at the University of Texas Health Science Center in Houston. Dr. Hagedorn enjoys teaching residents, serving as the residency program director, and taking care of injured patients at his hospital.



### Marecek, Geoffrey - Lecturer

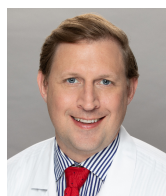
MD  
Associate Professor  
Director, Limb Reconstruction Program  
Cedars-Sinai Medical Center  
Los Angeles, California

Dr Marecek is an Orthopaedic Trauma surgeon at Cedars - Sinai Medical Center in Los Angeles, CA. He treats fractures of the upper and lower extremities, with a particular interest in nonunions, bone defects and deformity correction.



### Perry, Kevin - Lecturer

MD  
MD, DPT  
Penn State Hershey  
Hershey, Pennsylvania



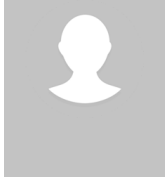
### Quinnan, Stephen - Lecturer

MD  
Professor of Surgery Florida Atlantic University  
Chief of Orthopaedic Trauma  
St. Mary's Medical Center/Paley Orthopedic & Spine Institute  
West Palm Beach, Florida



### Scolaro, John - Lecturer

MD, MA  
Chief, Orthopaedic Trauma  
Residency Program Director  
Department of Orthopaedic Surgery  
University of California, Irvine  
Orange, California



**Wyrick, John - Lecturer**

MD

Beacon Orthopedics

Director Orthopedic Trauma TriHealth Hospitals

Cincinnati, Ohio

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## Agenda

### Day 1

**Friday, November 15, 2024 - 08:00 - 17:00 - (includes breaks, travel-time and meals)**

Schedule	Title	Moderator	Faculty	Room
08:00 - 08:05	Welcome and Introduction to the Course, Faculty, Learning Objectives		Bernstein, M	
08:05 - 08:15	Inspirational Lecture on What You Can Do		Reid, J	
08:15 - 09:03	Deformity Analysis			
08:15 - 08:23	Part1: Deformity Analysis: Clinical Exam, Reliable Imaging		Bernstein, M	
08:23 - 08:31	Part 2: Deformity - What Is Normal		Perry, K	
08:31 - 08:39	Part 3: Frontal Plane Analysis		Marecek, G	
08:39 - 08:47	Part 4: Sagittal Plane Analysis		Hagedorn, J	
08:47 - 08:55	Part 5: Axial Plane (LLD and Torsion)		Scolaro, J	
08:55 - 09:03	Part 6: Oblique Plane Analysis		Reid, J	
09:03 - 09:23	Break			
09:23 - 10:23	LAB1: Bonesetter Deformity Analysis Cases (in Lecture Hall)	Bernstein, M		
10:23 - 10:33	Travel to Small Group Discussions			
10:33 - 11:33	Small Group Discussions: Femoral and Tibial Problems			
11:33 - 11:38	Travel to Lecture Hall			
11:38 - 12:08	Panel Debate: Femoral & Tibial Problems	Marecek, G	Hagedorn, J Scolaro, J	
12:08 - 12:48	Lunch Lecture: History of Ilizarov		Reid, J	
12:48 - 12:55	Osteotomy Rules: Considerations and Applications		Wyrick, J	
12:55 - 13:55	LAB 2: Bonesetter - Make Your Osteotomy and Reduce the Limb (in Lecture Hall)	Marecek, G		
13:55 - 14:03	How Do I Generate a Problem List (Discussion of Patient Factors)		Quinnan, S	
14:03 - 14:33	Panel Debate: Femoral & Tibial Problems: How Patient Factors Affect Decision Making	Reid, J	Quinnan, S Wyrick, J	
14:33 - 14:53	Break and Travel to Small Group Discussion			
14:53 - 16:08	Small Group Discussion: Femoral and Tibial Problems: Complete Your Treatment Plan			
16:08 - 16:38	Panel Discussion: Tibial Problems - Ring Fixation Only Bone Defects	Scolaro, J	Bernstein, M Marecek, G	
16:38 - 17:00	Wrap Up Day One		Bernstein, M	

### Day 2

**Saturday, November 16, 2024 - 07:30 - 15:00 - (includes breaks, travel-time and meals)**

Schedule	Title	Moderator	Faculty	Room
07:30 - 07:35	Reflections on Day 1 & Introduction to Day 2		Bernstein, M	
07:35 - 08:01	Ilizarov Basics			
07:35 - 07:42	Ilizarov Basics: Frame Biomechanics		Hagedorn, J	
07:42 - 07:49	Ilizarov Basics: Stable Frames & Corticotomy Techniques		Quinnan, S	
07:49 - 07:56	Ilizarov Basics: Basic Science of Regenerate and Fracture Healing		Perry, K	
07:56 - 08:01	Ilizarov Basics: Cross Sectional Analysis Highlighting Danger Zones		Wyrick, J	
08:01 - 08:20	Break and Travel to Lab			

08:20 - 09:50	Lab 3: a) Intro to Hardware. B) Mount a Bone Transport (3 ring) Ilizarov Style Frame on Straight Tibia. C) Proximal Corticotomy	Marecek, G
09:50 - 10:05	Break / Lab Transition	
10:05 - 11:05	Lab 4: Take Model from Lab, Short Rods on Top Segment, Create Distal Tibial Bone Defect. Convert Distal Focus to Hexapod	Hagedorn, J
11:05 - 11:15	What is a Hexapod????	Wyrick, J
11:15 - 12:00	Lunch with Case Presentations	
12:00 - 12:45	Lab 5: Hexapod for Proximal Tibial Malunion	Scolaro, J
12:45 - 12:50	Travel to Lecture Hall	
12:50 - 13:00	Intro Software - Workflow and Rationale	Perry, K
13:00 - 14:00	Lab 6: Software Execution & Resolve Deformed Bone Live (in Lecture Hall)	Perry, K
14:00 - 14:30	Lab 7: Automatic Struts Lab/Demo	Reid, J
14:30 - 14:45	Postoperative Care Practicalities: How to Manage?	Reid, J
14:45 - 15:00	Q & A, Take Home Points	Bernstein, M

## AO NA Disclaimer Information

### Faculty Disclosure:

It is the policy of AO North America to abide by the Accreditation Council for Continuing Medical Education Standards for Commercial Support. Standard 2: "Disclosures Relevant to Potential Commercial Bias and Relevant Financial Relationships of Those with Control over CME Content," requires all planners, including course directors, chairs, and faculty, involved in the development of CME content to disclose their relevant financial relationships prior to participating in the activity. Relevant financial relationships will be disclosed to the activity audience. The intent of the disclosure is not to prevent a faculty with a relevant financial or other relationship from teaching, but to provide participants with information that might be of importance to their evaluation of content. All potential conflicts of interest have been resolved prior to the commencement of this activity.

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All scientific research referred to, reported or used in this CME activity in support or justification of a patient care recommendation conforms to the generally accepted standards of experimental design, data collection and analysis.

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## Acknowledgment

### In-Kind Support

AO North America gratefully acknowledges in-kind support for equipment and technical staff from J&JMedTech.

### Educational Grant

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