

Limb Lengthening and Reconstruction Society: ASAMI–North America

2024 Pre–course: Journey of the Traumatized Limb

Upon completion of the pre–course, the physician will be able to:

1. Learn Workup and management of limb threatening injuries;
2. Use tools to diagnose and treat complication related to high energy trauma including open fractures, compartment syndrome, infection and bone defects;
3. Plan and apply provisional fixation including use of standard external fixators and ring fixators;
4. Determine a definitive treatment of combined bone and soft tissue injuries with external fixation, internal fixation and bone transport via a variety of methods;
5. Identify the technologies and techniques related to antibiotic implants and biologics;
6. Describe applicability of 3D technologies for fracture care and limb salvage; and
7. Demonstrate strategies and techniques in performing limb amputations using modern principles and technologies.

Agenda

7:15–8:00 a.m.	Course Check–in & Continental Breakfast – Area: Level 9 Foyer
8:00–8:05 a.m.	Welcome, Introduction, and Disclosures – Room: Compass Rose North <i>Stephen M. Quinnan, MD</i>
8:06–8:45 a.m.	Session I: What’s New and Exciting in Initial Treatment and Evaluation of the Trauma Patient – Room: Compass Rose North Moderator: James A. Blair, MD
8:06–8:16 a.m.	Open Fractures: A Modern Take – <i>John K. Sontich, MD</i>
8:17–8:27 a.m.	Compartment Syndrome: Embracing New Technologies – <i>Mitchell Bernstein, MD</i>
8:28–8:38 a.m.	Stabilize–Optimize Standard External Fixation – <i>Roberto C. Hernandez–Irizzary, MD</i>
8:39–8:45 a.m.	Discussion
8:50–9:20 a.m.	Hands–On Lab: Rapid Application of External Fixation in the Traumatized Limb Moderator: David B. Frumberg, MD Room: Compass Rose East
9:25–9:45 a.m.	Hands–On Lab: Application of a Continuous Compartment Pressure Monitor Moderator: Paul E. Matuszewski, MD Room: Coral Reef
9:50–10:29 a.m.	Session II: Ring Fixators for Traumatic Injuries – Room: Compass Rose North Moderator: J. Spence Reid, MD
9:50–10:00 a.m.	Indications and Tips for Building a Trauma Ring Fixator for Definitive Treatment <i>Roberto C. Hernandez–Irizzary, MD</i>
10:01–10:11 a.m.	Hexapod Fixator and Indications for Use in Fracture Care – <i>Austin T. Fragomen, MD</i>
10:12–10:22 a.m.	Bone Transport with External Fixation: Indications and Methods <i>James A. Blair, MD</i>
10:23–10:29 a.m.	Discussion

- 10:30–10:50 a.m. Refreshment Break
- 10:55–11:25 a.m. Hands–On Lab: Deformity Correction
Moderator: Jessica C. Rivera, MD, PhD
Room: Compass Rose East
- 11:30 a.m.–12:10 p.m. **Session III: Internal Fixation Options for Limb Salvage Scenarios**
Room: Compass Rose North
Moderator: Mani Kahn, MD
- 11:30–11:40 a.m. Internal Fixation Strategies in the Severely Damaged Limb: Extreme Nailing and Nail Plate Combinations – *Mitchell Bernstein, MD*
- 11:41–11:51 a.m. Use of Lengthening Nails for Acute Trauma – *Stephen M. Quinnan, MD*
- 11:52 a.m.–12:02 p.m. Plate Assisted Bone Segment Transport (PABST) – *Matthew Gardner, MD*
- 12:03–12:10 p.m. Discussion
- 12:15–12:55 p.m. Lunch
- 1:00–1:30 p.m. Hands–On Lab: Plate Assisted Bone Segment Transport (PABST)
Moderator: Matthew Gardner, MD
Room: Coral Reef
- 1:35–2:02 p.m. **Session IV: When Things Go Wrong** – Room: Compass Rose North
Moderator: Jessica C. Rivera, MD, PhD
- 1:35–1:45 p.m. Managing Complications in Limb Salvage – *John K. Sontich, MD*
- 1:46–1:56 p.m. Treatment of Joint Contractures with Gradual Correction – *Michael Assayag, MD*
- 1:57–2:02 p.m. Discussion
- 2:07–2:37 p.m. Hands–On Lab: Joint Contracture
Moderator: J. Spence Reid, MD
Room: Compass Rose East
- 2:42–3:10 p.m. **Session V: Infection and Biologics** – Room: Compass Rose North
Moderator: *Michael Assayag, MD*
- 2:42–2:52 p.m. Antibiotic Nails and Plates – *Mani Kahn, MD*
- 2:53–3:03 p.m. Bone Grafting Options and Biologics – *Paul E. Matuszewski, MD*
- 3:04–3:10 p.m. Discussion
- 3:10 p.m. Light Refreshments in Rear of Compass Rose North

- 3:15–3:45 p.m. Hands–On Lab: The Use of Bone Void Fillers
Moderator: Austin T. Fragomen, MD
Room: Coral Reef
- 3:50–4:21 p.m. **Session VI: 3D Printing** – Room: Compass Rose North
Moderator: David B. Frumberg, MD
- 3:50–4:00 p.m. Custom Plates and Bone Void Implants – *Kevin Tetsworth, MD*
- 4:01–4:16 p.m. 3D Printing: From Concept to Implantation – *Stephen M. Quinnan, MD*
- 4:17–4:21 p.m. Discussion
- 4:22–4:50 p.m. **Session VII: Amputation** – Room: Compass Rose North
Moderator: S. Robert Rozbruch, MD
- 4:22–4:32 p.m. Modern Advances in Amputation Techniques and Prosthetics – *Kevin Tetsworth, MD*
- 4:33–4:43 p.m. Osseointegration Timing and Techniques – *Munjed Al Muderis, MD*
- 4:44–4:50 p.m. Discussion
- 4:55–5:25 p.m. Hands–On Lab: Applications of OPL Osseointegration in the Femur
Moderator: Munjed Al Muderis, MD
Room: Compass Rose East
- 5:26–5:35 p.m. Final Comments/Adjourn

Continuing Medical Education

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American Academy of Orthopaedic Surgeons and the Limb Lengthening and Reconstruction Society. The American Academy of Orthopaedic Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

The American Academy of Orthopaedic Surgeons designates this live activity for a maximum of X **AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Course Evaluation

Complete the course evaluation [here](#) by August 2, 2024.

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Thank you to the following Partners for the generous grants and in–kind donations.

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Disclosures

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