



The American Academy of Foot & Ankle Osteosynthesis

presents

***ADVANCED TECHNIQUES IN SKELETAL FIXATION
OF THE FOOT AND ANKLE***

**Hyatt DFW Airport
Dallas, Texas**

SCIENTIFIC CHAIRMAN

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American Academy of Foot and Ankle Osteosynthesis

*. . . dedicated to the training of podiatric residents
in the techniques and skills of skeletal fixation
trauma and reconstructive surgery of the foot and ankle*

Mission Statement

The mission of the American Academy of Foot and Ankle Osteosynthesis (AAFAO) is to provide comprehensive education in the training of podiatric residents in the techniques and skills of skeletal fixation trauma and reconstructive surgery of the foot and ankle.

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

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

Advanced Course Description

This course is designed to acquaint the surgeon with advances in operative treatment of fractures and deformities in the lower extremity/foot and ankle. The objectives of the course are to focus on all aspects of diagnosis, treatment and subsequent management of these injuries. The most current and innovative principles and techniques of stable internal fixation and their applications will be covered.

Advanced Course Prerequisite

Course attendees must have previously attended AO North America's Basic Podiatric Course or AAFAO's Comprehensive Course of Internal Fixation for Reconstructive Surgery and Trauma of the Foot & Ankle.

Advanced Course Learner Objectives

Upon completion of the course, participants should be able to:

- Apply the principles of internal fixation to the foot and ankle
- Identify the problems, complications and intraoperative difficulties that can result from internal fixation
- Implement principles and techniques for complex repair, revision and reconstructive surgery to the lower extremity
- Avoid complications and improve outcomes through preoperative planning
- Apply the psychomotor skills developed in the practical exercises in podiatric practice

Continuing Education Contact Hours

This activity has been planned and implemented in accordance with the standards, requirements, and guidelines for approval of sponsors of continuing education in podiatric medicine through an affiliation of The Podiatry Institute and the American Academy of Foot and Ankle Osteosynthesis. The Podiatry Institute is approved by the Council on Podiatric Medical Education as a sponsor of continuing education in podiatric medicine. The Podiatry Institute has approved this activity for a maximum of **20 continuing education contact hours**.

Thursday

7:00 7:25 **Registration and Breakfast**

7:25 7:30 **Welcome and Introduction**

7:30 9:15 **ADVANCED CONTEMPORARY CONCEPTS OF INTERNAL FIXATION**

7:30 7:35 Welcome and Introduction

7:35 8:00 Biomechanics of Bone

8:00 8:20 Biologic Modulation of Bone Healing

8:20 8:50 Minimally Invasive Fracture Reduction/Percutaneous Plating

8:50 9:15 Discussions/Questions

9:15 9:30 **BREAK – VISIT VENDORS**

9:30 10:30 **ADVANCED CONTEMPORARY CONCEPTS OF INTERNAL FIXATION**

9:30 9:50 Osteopenic/Diabetic Ankle Fractures

9:50 10:10 Comminuted Fibula

10:10 10:30 Fixation of the Syndesmotom Injury

10:30 12:00 **EXTERNAL FIXATION/BONE DEFECTS**

10:30 11:00 Mechanical Properties / Nomenclature

11:00 11:30 Bone Transport/Callus Distraction/Segmental Bone Defect

11:30 12:00 Discussion/Questions

12:00 12:45 **LUNCH**

1:00 – 2:15 **PRACTICAL EXERCISE I: COMPLEX REPAIR TECHNIQUES/EXTERNAL FIXATION**

1:00 1:30 A. Small Ex-Fix - Spanning Delta Frame - First Metatarsal Fracture

1:30 2:15 B. Large Ex-Fix - Spanning Delta Frame – Pilon Fracture

2:15 2:50 **MISCELLANEOUS TOPICS OF INTEREST**

2:15 2:35 Treatment of Osteomyelitis

2:35 2:55 Pediatric Fractures

2:55 3:20 **BREAK – VISIT VENDORS**

3:20 4:40 **COMPLEX ISSUES IN ACUTE TRAUMA**

3:20 3:40 Malunited Ankle Fractures (Fibular Lengthening)

3:40 4:00 Management of Distal Lateral Tibial Osteonecrosis

4:00 4:20 High Energy Soft Tissue Injuries/Open Fractures

4:20 4:40 Discussions/Questions

4:40 4:50 **Go to Clinical Case Conferences**

4:50 6:00 **CLINICAL CASE CONFERENCES**

Locations: Enterprise 1, Hobby, Glasscock, Carter

Check your name badge for your assigned room

Friday

7:00 7:30 *Breakfast with the vendors*

7:30 *Good Morning and Instructions*

7:30 9:00 **COMPLEX PEDAL/ANKLE TRAUMA: COMPLEX/CHALLENGING FOOT INJURIES**

7:30 7:50 Lis Franc Injuries
7:50 8:10 Complex Tarsal Fractures
8:10 8:35 Talus Fractures including AVN
8:35 8:55 Calcaneal Fractures
8:55 9:15 Pilon Fractures
9:15 9:25 Neglected Calcaneal Fractures

9:25 9:55 **BREAK – VISIT VENDORS**

9:55 – 10:50 **PRACTICAL EXERCISE II: COMPLEX REPAIR TECHNIQUES/EXTERNAL FIXATION**

9:55 10:10 A. Fibular Lengthening

10:10 10:50 **PRACTICAL EXERCISE III: ANKLE FUSION TECHNIQUES**

10:10 10:50 A. Ankle Fusion with Anterior/Posterior Plate

10:50 – 12:00 **PRACTICAL EXERCISE IV: ADVANCED TRAUMA TECHNIQUES**

10:50 11:30 A. Calcaneal Fractures
11:30 12:00 B. Calcaneal Malunions (Distraction Fusion with Graft)

12:00 12:45 *Lunch*

12:45 3:30 **STRATEGIES FOR ANKLE ARTHRITIS**

12:45 1:05 Fusion
1:05 1:35 IM Nailing of the Hindfoot
1:35 1:55 Distraction
1:55 2:15 Distal Tibial Osteotomies
2:15 3:10 Ankle Replacement/Takedowns
3:10 3:30 Discussion/Questions

3:30 3:55 **BREAK – VISIT VENDORS**

3:55 5:30 **CLINICAL CASE CONFERENCES**

Locations: Enterprise 1, Hobby, Glasscock, Carter
Check your name badge for your assigned room

Saturday

7:00 7:30 Breakfast

7:30 Good Morning and Instructions

07:30 09:40 PRACTICAL EXERCISE V: ADVANCED TRAUMA TECHNIQUES

07:30 7:55 A. Pilon Fractures – Medial Distal Tibial Plate

7:55 8:15 B. Pilon Fractures – Lateral Distal Tibial Plate

8:15 9:00 C. Triple Arthrodesis Revision

09:00 09:20 D. Lis Franc (Screw Orientation, Cuneiform Diastases)

09:20 09:40 E. Talar Fractures

09:40 10:05 BREAK

10:05 12:00 REVISIONAL AND RECONSTRUCTIVE SURGERY OF THE LOWER EXTREMITY

10:05 10:25 Reconstruction of Neglected Lis-Franc

10:25 10:45 Revision of the Malaligned Triple Arthrodesis

10:45 11:05 Revision of Malaligned Ankle Fusion

11:05 11:35 Cartilage Replacement Techniques

11:35 12:00 Discussions / Questions

12:00 Adjourn