



The American Academy of Foot & Ankle Osteosynthesis

presents

THE AAFAO RESIDENT COURSE

***A Basic Course in the Fundamentals of Internal Fixation
For Reconstructive Surgery and
Trauma of the Foot & Ankle***

April 2-4, 2020

Hyatt DFW Airport

SCIENTIFIC COMMITTEE

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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 CECH 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)

Comprehensive Course Description

This course brings together many innovators in the field of podiatric internal fixation surgery. Faculty will present thorough and up-to-date information on osteosynthesis in the lower extremity. The course is designed to cover the principles and techniques for stable internal fixation for fracture management. For example, faculty will teach the anatomic reduction of fracture fragments, atraumatic surgical techniques used to preserve blood supply to bone fragments and soft tissue, and early pain-free mobilization. Course faculty will also talk about the application of the principles and techniques for current and novel approaches to reconstructive surgery on the foot and ankle.

Comprehensive Course Prerequisite

Participants must be post-graduate year 1 or higher to attend the Comprehensive Course.

Comprehensive 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
- Apply the principles of management of fractures to the foot and ankle
- Demonstrate current methods of post traumatic reconstruction
- Apply the principles of soft tissue and bony reconstruction to the foot and ankle
- Recognize appropriate use of orthobiologics in fracture management
- Apply psychomotor skills in the practical application of implants to fractures of the foot and ankle
- Avoid complications and improve outcomes through preoperative planning

Accreditation

This activity has been planned and implemented in accordance with the standards, requirements, and guidelines for approval of providers of continuing education in podiatric medicine through a joint provider agreement between 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 provider of continuing education in podiatric medicine. The Podiatry Institute has approved this activity for a maximum of **20 continuing education contact hours**.

DISCLOSURE

Each speaker is requested to disclose any financial or other relationships he/she might have with a manufacturer of any commercial product to be discussed during their presentation, as well as any commercial contribution of the activity. All speakers and sponsors are required to provide disclosure and written agreement within CPME 720 guidelines.

CONTINUING EDUCATION CONTACT HOURS

Registration and payment does not automatically result in issuance of CECH credits. You must sign in as designated each day to receive CECH credits. Failure to sign-in as designated will result in a loss of CECH credits. Certificates will be emailed in approximately 2 weeks.

While attendance verification certificate states that it is possible to earn up to 20 CECH credits and that the Podiatry Institute has made a good faith effort to monitor attendance, the physician is ultimately obligated to honestly report what he/she has attended to all appropriate bodies, including their licensing boards.

REGISTRATION FEES

- \$985 Residents (with letter from residency director)**
- \$1500 Practicing Podiatrist**

REFUND POLICY

CANCELLATION requests must be made in writing, via fax or mail, and postmarked no later than two weeks before the start date of the conference. All cancellation requests will be assessed a \$50 administrative fee. NO cancellations or transfers will be accepted within two weeks of the start of the conference.

In the event the conference is cancelled by events beyond our control, the participant will receive a full refund or transfer to another conference, without penalty, within 30 days of the notice of cancellation

SEMINAR EVALUATIONS

The link to an online survey will be sent to you after the conclusion of the conference. We appreciate you taking the time to complete the survey. We would like to hear what you liked about the conference, what we can do better, and what you would like to learn at future conferences.

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AAFAO conferences are open to all podiatric residents, and physicians, practicing or retired.

AAFAO administers its educational programs under its policy that all conferences, services, programs, and workshops; both for participants and faculty; shall be maintained at all times on a non-discriminatory basis with regard to age, sex, race, color, disability, sexual orientation, religion, national origin, ancestry, physical or mental handicap, and military status.

Evidence of practices which are inconsistent with the policy should be reported to the Chairman, Board of Directors of the AAFAO.

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SPECIAL GUEST FACULTY

Thursday, April 2, 2020

7:00 7:25 Registration and Breakfast
7:25 7:30 Welcome and Introduction

7:30 9:30 FUNDAMENTALS

7:30	8:10	Osteosynthesis in Modern Foot and Ankle Surgery	MAHAN
8:10	8:30	Biomechanics of Bone	SCHUBERTH
8:30	8:50	Bone Grafting Healing	RAJA
8:50	9:10	Orthobiologics	HATCH
9:10	9:30	Anatomic Dissection in Foot and Ankle Surgery	Ruch KELLAM

9:30 9:55 BREAK & VISIT VENDORS

9:55 11:30 NON-SCREW FIXATION TECHNIQUES

9:55	10:10	Principles and Techniques of Non Operative Management of Fractures	RUCH
10:10	10:25	Fundamentals of K-Wires, Steinman Pins, and Cerclage Wire Fixation	GROVES
10:25	10:40	Principles of Tension Banding; Intramedullary Splintage and Tension Band Wire Techniques	WALLACE
10:40	10:55	Staple Fixation (Principles and Devices)	DABDOUB
10:55	11:15	Fundamentals of External Fixation	WILLIAMS

11:15 12:15 PRACTICAL EXERCISE I - NON-SCREW FIXATION TECHNIQUES

11:15	11:20	Assembly and Operation of Power Instrumentation	Table Top Instr
11:20	11:30	Crossed K-Wire Technique (Hallux IPJ Fusion) "Bucket Handle"	RAVENELL
11:30	11:45	K-Wire Splintage and Tension Band Wire Techniques 5th Metatarsal Avulsion (Single Loop/ Figure "8")	WALLACE
11:45	12:00	Staple Lab	

12:15 1:00 LUNCH

Thursday, April 2, 2020 (cont.)

12:45	1:30	SCREW FIXATION	
12:45	1:00	Anatomy of a Screw	SHIBUYA
1:00	1:15	Principles and Techniques of Lag Screw Fixation "By Design or by Technique"	SOUTHERLAND
1:15	1:30	Cannulated Screws	SHIBUYA
1:30	1:45	Functional Screw Caddy for Accurate Screw Instrumentation	GREEN

1:45	2:45	OBLIQUE ORIENTATIONS: FRACTURES, OSTEOTOMIES AND SCREW INSERTION	
1:45	2:00	Principles and Techniques of Oblique Orientations	WILSON
2:00	2:15	Lesser Metatarsal Osteotomies / Tailor's bunion	HATCH
2:15	2:25	Akin Osteotomy	DABDOUB
2:25	2:45	Oblique Base Wedge Osteotomy of the 1st Metatarsal	MAHAN

2:45 3:10 BREAK & VISIT VENDORS

Thursday, April 2, 2020 (cont.)

3:10	4:15	PRACTICAL EXERCISE II - LAG SCREW TECHNIQUE	
3:10	3:20	Use of Small Fragment Instrumentation	GUDAS
3:20	3:30	Cancellous Screw-Lag Technique	SOUTHERLAND
3:30	3:40	"No Compression" Cortical Screw Insertion	CAUDELL
3:40	3:45	Conversion to a "Lag" Screw / Compression	
3:45	3:55	Standard Cortical Screw - Lag Technique	DABDOUB
3:55	4:05	Small Cortical Screw - Lag Technique	SOUTHERLAND
4:05	4:15	"Compromise" Compression Technique	RAJA

4:15	5:35	PRACTICAL EXERCISE III - LAG SCREW TECHNIQUES	
4:15	4:25	Hallux IPJ fusion / 3.5 mm fully threaded screw	-
4:25	4:40	Akin Osteotomy / Short Oblique Osteotomy / Single Screw	DABDOUB
4:40	5:00	Tailor bunionectomy / Lesser Metatarsal Osteotomy	HATCH
5:00	5:15	Long Oblique Fracture / Lesser Metatarsal Anchor and "Compression" Screws	WILSON
5:15	5:30	Oblique Base Wedge Osteotomy (<i>Podiatric Modification</i>) 2 Screw Technique/*compromise and anchor screws	RUCH
5:30	5:45	Dorsiflexory Wedge Osteotomy / "T" Sleeve Technique	SOUTHERLAND

Friday, April 3, 2020

7:00 7:30 Breakfast

7:30 8:05 HALLUX VALGUS OSTEOTOMIES

7:30 7:45 Chevron Osteotomies - Axis Guide, Austin, Long Dorsal Arm, Screw Fixation RAVENELL

7:45 8:05 "Z" Osteotomies - Axis Guide, SCARF Osteotomies, Screw Fixation GUDAS

8:05 9:30 FOOT AND ANKLE ARTHRODESIS

8:05 8:30 Principles and Techniques of Joint Arthrodesis HATCH

8:30 8:45 Hallux Interphalangeal Joint (IPJ) Fusion SOUTHERLAND

8:45 9:00 1st Metatarsal Phalangeal Joint (MPJ) Arthrodesis RAJA

9:00 9:15 Lapidus Arthrodesis / Hallux Abducto Valgus (HAV) WILLIAMS

9:15 9:30 Midfoot Arthrodesis (Lisfranc, NC) CAUDELL

9:30 10:00 BREAK & VISIT VENDORS

10:00 12:00 PRACTICAL EXERCISE IV: Hallux Valgus / OSTEOTOMIES *and* ARTHRODESIS

10:00 10:30 Austin / Axis Guide / Osteotomy / Lock pin fixation / 2.7 Cortical Screw CAUDELL

10:30 10:55 Long Dorsal Arm / 2 Screw Fixation RAVENELL

10:55 11:20 SCARF / Axis Guide, Osteotomies, 2 Screw Fixation GUDAS

11:20 11:40 1st MPJ Arthrodesis (Crossed Screws 4.0 Cancellous) -

11:40 12:00 Lapidus / "Seattle" Screw Technique (3.5 Cortical) WILLIAMS

12:00 1:00 LUNCH

Friday, April 3, 2020

1:00	3:00	FOOT AND ANKLE ARTHRODESIS	
1:00	1:15	Rearfoot Fusions	WILSON
1:15	1:30	Ankle Fusion	MAHAN
1:30	1:50	Tricks	RUCH
1:50	2:55	PLATE FIXATION	
1:50	2:10	Principles of Plate Fixation/Locking Plate Technology	CAUDELL
2:10	2:30	Implant Design / Clinical Applications of plate fixations in foot surgery	CAUDELL
2:30	2:55	Guidelines for Removal of Implants (Complications, Infection, Broken Screws)	CAUDELL

2:55 3:10 BREAK & VISIT VENDORS

3:10	4:30	PRACTICAL EXERCISE V - TRIPLE ARTHRODESIS / ANKLE FUSION	
3:10	3:30	STJ - Subtalar Joint / "Superior" / "Inferior" Approach (6.5 Cancellous / 7.0 Cannulated)	SOUTHERLAND
3:30	3:45	TNJ - Talonavicular Joint (6.5 Cancellous, 4.0 Cancellous)	MAHAN
3:45	4:00	CCJ - Calcaneal - Cuboid Joint (Large Cancellous - 6.5mm); Staple Fixation (Information Only)	GROVES
4:00	4:30	ANK - Ankle Fusions - Tripod Techniques "Home Run" Screws; (7.0 Cannulated) Posterior - Medial / Posterior - Lateral	WILSON

4:30	6:15	PRACTICAL EXERCISE VI - PLATE FIXATION	
4:30	4:40	Plate Principles (Video Only) - Axial Plate Compression, Load Screw, "Pre-Bending"	WALLACE
4:40	5:00	Lesser Metatarsal Fracture - Axial Compression	WALLACE
5:00	5:20	1st MPJ Fusion - Interfragmental Compression / Axial Compression	GUDAS
5:20	5:45	1st MPJ Fusion with Bone Graft - LC-DCP Plate, Axial Compression	RAJA
5:45	6:15	Medial Column / Charcot (Combination Fixation) IFC and "Locking" Plate	WILSON

Saturday, April 4, 2020

7:30 8:00 Breakfast

08:00 10:20 MALLEOLAR FRACTURES

8:00	9:00	Lauge-Hansen Classification	RUCH
9:00	9:25	Danis-Weber Classification and Syndesmotic Stability	RAJA
9:25	9:55	Malleolar Fractures; Philosophy, Strategy and Surgical Techniques	RAJA
9:55	10:20	Anatomic Dissection of Ankle Fractures	RUCH

10:20 10:30 BREAK

10:30 12:00 PRACTICAL EXERCISE VII - MALLEOLAR FRACTURES

10:30 10:50 Weber A (Transverse Avulsion)

- (K-Wire Splintage / Tension Band) SHIBUYA
- Medial malleolus – vertical shear fracture with anti-glide plate SHIBUYA

10:50 11:10 Weber B (Spiral Oblique)

- **SER (Long Oblique)** "Anchor" and "Compression" Screws **(Video Only)** GREEN
- **SER (Short Oblique):**
- Interfrag screw + neutralization or posterior anti-glide plate MAHAN
- Medial malleolus – transverse avulsion – K-wire, splintage (figure “8”) GROVES

11:10 12:00 Weber C (Comminuted High Fibular Fracture)

- Locking Plate / Syndesmotic Screw WALLACE
- Medial Malleolus / Transverse Avulsion Fracture / 2 x 4.0 screws GREEN
- Posterior Malleolus (Direct) WILSON

12:00 Adjourn