Join Program Chairs Daniel Guss, MD, MBA, and Casey J. Humbyrd, MD, MBE, for the in-person AOFAS Winter Meeting, February 17-20, 2022, at the Pointe Hilton Tapatio Cliffs in Phoenix, Arizona. This smaller meeting offers stimulating foot and ankle symposia, clinical case reviews, and small-group education in an environment that encourages discussion and interaction. With a program that includes both established and emerging leaders in the field, you'll broaden your perspective and discover new approaches to challenging foot and ankle conditions.

**Target Audience**
This educational program is designed for experienced foot and ankle orthopaedic surgeons, generalist orthopaedic surgeons interested in expanding their scope of practice to foot and ankle, and advanced allied health practitioners who work in foot and ankle care.

**Educational Objectives**
At the conclusion of this course, learners should be able to:
- Assess current clinical trends and emerging surgical techniques in orthopaedic foot and ankle surgery
- Describe current research in foot and ankle disorders and their applications to clinical practice
- Identify ways to avoid potential complications in foot and ankle procedures
- Determine and apply strategies to improve patient outcomes

**Statement of Need**
A need for this educational activity has been determined based on previous course evaluations and the AOFAS educational curriculum. The content of this course was based on current issues and topics provided by AOFAS membership and leadership. For more information on the AOFAS CME mission, visit [aofas.org/education](http://aofas.org/education).

**Accreditation & Credit**
The American Orthopaedic Foot & Ankle Society (AOFAS) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education (CME) for physicians. AOFAS designates this live activity for a maximum of 14.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity. Participants are required to submit a completed evaluation form at the end of the course in order to receive CME credit.

**Disclosure**
AOFAS attests that the purpose of this course is solely to educate attendees on the topic and not promote the business/product in any way. AOFAS requires all instructors, planners, and other individuals in a position to control or influence the content of an educational activity to disclose all relevant financial relationships or affiliations during the past 12 months with any commercial interest (any entity producing, marketing, re-selling, or distributing healthcare goods and services consumed by, or used on patients). All identified conflicts of interest must be resolved and the education content vetted by AOFAS for fair balance, scientific objectivity, and appropriateness. AOFAS also requires faculty to disclose when off-label/unapproved uses of a product are discussed in a CME activity. AOFAS attests that the persons responsible for the development of this educational activity did so independently and were not influenced by commercial supporters. All financial disclosures will be provided to meeting attendees in the final program materials.

**Disclaimer**
The material presented in this continuing medical education activity has been made available by the American Orthopaedic Foot & Ankle Society (AOFAS) for educational purposes only. This material is not intended to represent the only, nor necessarily the best, methods or procedures appropriate for the medical situation discussed, but rather is intended to present an approach, view, statement, or opinion of the authors or presenters, which may be helpful or of interest to other practitioners. Methods, techniques, and procedures demonstrated and views and opinions expressed by speakers, presenters, and faculty are their own, and do not necessarily represent those of AOFAS, nor does presentation on the program represent or constitute endorsement or promotion by AOFAS. AOFAS expressly disclaims any warranties or guarantees, expressed or implied, and shall not be liable for damages of any kind in connection with the material, methods, information, techniques, opinions, or procedures expressed, presented, or demonstrated.
Registration Fees

Registration includes:
- Scientific Sessions & Evening Fireside Chats
- Welcome Reception on Thursday evening
- Dinner on Friday evening
- Breakfast on Friday, Saturday, and Sunday
- Lunch on Friday and Saturday

Guest Registration includes the Welcome Reception on Thursday evening, Dinner on Friday evening, and the Closing Breakfast on Sunday morning.

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Registration and Cancellation Policies

Requests for refunds must be received in writing at the AOFAS Executive Office by email, fax, or mail by the deadlines shown below. A $100 processing fee will apply to all refunds.

Email: registration@aofas.org
Fax: 847-692-3315
Mail: 9400 West Higgins Road, Suite 220, Rosemont, IL 60018

- **January 20, 2022**: Last day to receive 100% refund minus $100 processing fee
- **February 3, 2022**: Last day to receive 50% refund minus $100 processing fee

No refunds will be issued after February 3.

Housing

**Pointe Hilton Tapatio Cliffs**
11111 North 7th Street
Phoenix, Arizona 85020 USA

**Room Rate**: $259/night (plus tax and resort fee)

**Deadline**: January 20, 2022, or when the room block is full, whichever comes first

**Reservations**: [Book your room online](#) or call the hotel at 1-800-947-9784 and ask for the AOFAS Winter Meeting room block.
Program
Schedule, speakers, and topics subject to change.

THURSDAY, FEBRUARY 17

5:00 – 6:30 pm
Practice Management and Coding
Moderator: David I. Pedowitz, MD, MS

RUC/CPT and Policy Update
Peter G. Mangone, MD

Review of Modifiers and Bunion Coding
Tye J. Ouzounian, MD; Seth W. O'Donnell, MD

Employed Physician Payment Models: Academic
Michael C. Aynardi, MD

Employed Physician Payment Models: Hospital System
David M. Beck, MD

Employed Physician Payment Models: Large Multispecialty Groups
Jason W. Rudolph, MD

Employed Physician Payment Models: Private Equity Employment
Sudheer C. Reddy, MD

Q&A: Where Do You Need Help in Coding?

6:30 – 8:30 pm
Welcome Reception in Exhibit Hall

FRIDAY, FEBRUARY 18

6:00 – 7:00 am
Breakfast/Networking

7:00 – 8:00 am
MIS and Open: When to Use the Burr, When to Use the Saw, When to Use Both
Moderators: Rebecca A. Cerrato, MD, and Selene G. Parekh, MD, MBA

I Took a Course or Two – Now What?
Patrick J. Maloney, MD

What I’m Still Going to Do Open
MaCalus V. Hogan, MD, MBA

What I Learned Across the Pond
Lorena Bejarano-Pineda, MD

Complications
A. Holly Johnson, MD

MIS Algorithm: How I Approach It – Past, Present, Future
TBD

Discussion

8:00 – 9:00 am
Advice to My Younger Self
Moderators: Casey J. Humbyrd, MD, MBE, and Daniel Guss, MD, MBA

Panelists:
Judith F. Baumhauer, MD, MPH, MS
Christopher W. DiGiovanni, MD
Bruce J. Sangeorzan, MD
David B. Thordarson, MD

Support for this session is provided by an educational grant from Paragon 28.
9:00 – 10:00 am
Deformity: How Do I Make Crooked Straight?
Moderators: Bryan D. Den Hartog, MD, and Ashish Shah, MD

Flatfoot in People Too Young to Vote: When/If/How
Jacob R. Zide, MD

Forefoot Adductus: When/If/How
Mohamed Mokhtar Abd-Ella, MD

Tibial Deformity
Jesse F. Doly, MD

Equinovarus/CMT: Do I Wait Until They’re Symptomatic?
Max P. Michalski, MD

Friggin’ Deltoid: My Fusion Looks Like the Leaning Tower of Pisa!
Cesar de Cesar Netto, MD, PhD

Discussion

10:00 – 10:30 am
Break

10:30 – 11:30 am
Degenerative: It’s All Worn Out
Moderators: L. Daniel Latt, MD, PhD, and Timothy R. Daniels, MD

1st MTP Arthritis Revisited: When Do I Fuse, When Do I Replace, What Do I Now Do Differently?
Pamela C. Luk, MD

Freiberg's and Lesser MPT Arthritis
Rachel J. Shakked, MD

The Naviculocuneiform Arthritis: Patterns and Approaches
Christopher E. Gross, MD

Coalitions in Adults
Elizabeth A. Martin, MD

Dipple vs. Triple
Meghan Kelly, MD, PhD

Discussion

11:30 am – 12:30 pm
Trauma
Moderators: Eric M. Bluman, MD, PhD, and James R. Ficke, MD

Planning for the Future Arthritis: Incisions and Approaches
Tonya L. Dixon, MD, MPH

Diversity and Lisfranc: It’s Not Just the 2nd TMT
Natalie R. Danna, MD

Knowing When to Walk Away: I Don’t Operate on This Anymore
Lara C. Atwater, MD

The Fifth Metatarsal Fracture: Cavus, Adductus, Chronic, and All the Other Things I Wish Weren’t There
TBD

The Other Tarsal Bones: Navicular, Cuneiform, and Cuboid
Kamran S. Hamid, MD, MPH

Discussion

12:30 – 2:30 pm
Industry Sessions (optional)

12:30 – 1:30 pm
Lunch/Networking in the Exhibit Hall

1:30 – 5:30 pm
AFTERNOON BREAK

5:30 – 6:30 pm
Albatross Award

6:30 – 8:00 pm
Dinner Event

Program continues on next page
SATURDAY, FEBRUARY 19

6:00 – 7:00 am
Breakfast/Networking

7:00 – 8:00 am
Sports: Problems I Hate (Ahem, Strongly Dislike)
Moderators: Jeffrey D. Seybold, MD, and Thomas M. Hearty, MD, DPT

Turf Toe and Sesamoids: Cast ’em or Fix ’em – The NFL Experience and Other Pearls
Gregory R. Waryasz, MD

Lesser Toes: Synovitis and Instability
Paul G. Talusan, MD

The "Non-Talus" OCD: 1st MTP and Plafond
Eric I. Ferkel, MD

Achilles: You Treated ’em and They’re Weak – Now What?
Kelly K. Hynes, MD

Heel Pain in Runners: What Happens After Boot and PT?
Niall A. Smyth, MD

Discussion

Support for this session is provided by an educational grant from Paragon 28.

8:00 – 9:00 am
Concurrent Research Paper Sessions

Paper Session 1A: Ankle Arthritis
Moderator: Alan Y. Yan, MD

Relationship of Axial Alignment and Patient-Reported Outcomes in Patients with Total Ankle Arthroplasty Under Weightbearing CT Scan
Carolina Avilés Espinoza, MD; Consuelo Carrasco; Valentina P. Burchhardt Bravo; Cristobal Varela; Eric G. Gana; Diego Herreros; Mario I. Escudero, MD; Manuel J. Pellegrini, MD

Subtalar Joint Behavior After Total Ankle Arthroplasty
Carolina Avilés Espinoza, MD; Consuelo Carrasco; Valentina P. Burchhardt Bravo; Cristobal Varela; Diego Herreros; Eric G. Gana; Manuel J. Pellegrini, MD

What Are the Injuries That Lead to Post-Traumatic Ankle Osteoarthritis? A Long-Term Retrospective Analysis of 533 Patients
Chris Cychosz, MD; Nacime S. Mansur, MD; Matthieu Lalévéé, MD; William J. Lorentzen; Eli C. Auch, BS; Natalie Glass, PhD; Kepler Carvalho, MD; Phinith Phisiltkul, MD; John E. Femino, MD; Donald D. Anderson; Cesar de Cesar Netto, MD, PhD

Chemoprophylaxis Is Cost-effective in Total Ankle Arthroplasty
Brandon J. Martinazzi, BS; Gregory Kirchner; Vincenzo Bonaddio; Kristen M. Manto, BS; Chris M. Staub, BS; Zachary Koroneos, BS; Michael C. Aynardi, MD; Paul J. Juliano, MD

Increased Complication and Hardware Removal Rates with Headed Screws in Ankle or Subtalar Arthrodesis
Evan Bailey; Caroline P. Hoch; Jonathan B. Goodloe, MD; Daniel J. Scott, MD, MBA; Christopher E. Gross, MD

Discussion

Paper Session 1B: AAFD
Moderators: Thomas G. Harris, MD, and Joseph S. Park, MD

Predictors of Deformity in Patients with Progressive Collapsing Foot Deformity and Valgus of the Ankle
Nacime S. Mansur, MD; Matthieu Lalévéé, MD; Victoria Vivtcharenko, BS; Kepler Carvalho, MD; Kevin N. Dibbern, PhD; Jonathan T. Deland, MD; Scott J. Ellis, MD; John E. Femino, MD; Cesar de Cesar Netto, MD, PhD

Does Tibialis Posterior Dysfunction Correlate with Overall Foot Deformity in Progressive Collapsing Foot Deformity?
Matthieu Lalévéé, MD; Nacime S. Mansur, MD; Kepler Carvalho, MD; Jennifer S. Walt, MD; Victoria Vivtcharenko, BS; Tutku Tazegul, BBME; Francois Lintz, MD, MSc, FEBOT; Kevin N. Dibbern, PhD; Cesar de Cesar Netto, MD, PhD

Surgical Correction of Peritalar Subluxation and Patient-Reported Outcomes: A Prospective Comparative Outcome Study in Flexible Progressive Collapsing Foot Deformity
Kepler Carvalho, MD; Cesar de Cesar Netto, MD, PhD; Nacime S. Mansur, MD; Matthieu Lalévéé, MD; Francois Lintz, MD, MSc, FEBOT; Kristian Buedts, MD; Andrew J. Goldberg, OBE, MD, FRCS(Tr&Orth); Jonathan T. Deland, MD; John E. Femino, MD; Donald D. Anderson; Jennifer S. Walt, MD; Kevin N. Dibbern, PhD

Return to Physical Activity following Flatfoot Reconstruction
Robert Fuller; Stephanie K. Eble; Jonathan Day, MD; Lavan Rajan; Agnes D. Cororaton; Jonathan T. Deland, MD; Scott J. Ellis, MD

Program continues on next page
Ability of the Posterior Tibial Tendon to Restore Foot Alignment in Progressive Collapsing Foot Deformity: A Computational Study
Hamed Malakoutikhah, PhD(c); Erdogan Madenci, PhD; L. Daniel Latt, MD, PhD

Discussion

9:00 – 10:00 am
Concurrent Research Paper Sessions

Paper Session 2A: Potpourri
Moderators: Anthony Ndu, MD, and Thomas H. Lee, MD

Nerve Complications after Regional Anesthesia in Foot and Ankle Surgery Avoiding the Popliteal Fossa
Ania Bartholomew; Michael Ciesa; Tyler Slone; Nicholas A. Cheney, DO; Brian C. Clark

Influence of Weight-Bearing Computed Tomography in the New Staging System of Progressive Collapsing Foot Deformity Classification
Nacime S. Mansur, MD; Hee Young Lee; Amanda Ehret; Matthieu Lalévéé, MD; Caleb J. Iehl, BS; Kepler Carvalho, MD; Mark S. Myerson, MD; Kristian Buedts, MD; Francois Lintz, MD MSc FEBOT; Cesar de Cesar Netto, MD, PhD

Optimizing the Impact of Your Foot and Ankle Research: Publication Trends in the Orthopedic Literature
Michael A. Hewitt; Sara E. Buckley, DO; Mingjie Zhu, DAOM, MPH; Shuyuan Li, MD, PhD; Mark S. Myerson, MD; Kenneth J. Hunt, MD

Investigating the Presence of Connective Tissue Progenitor Cells within the Retrotalocalcaneal Bursa
Anna Jorgensen; Owen P. Karsmarski; Benjamin C. Hawthorne; Mary Beth McCarthy; Francine Zeng; Jillian L. Mazzocca; Lauren E. Geaney, MD

Intra and Interobserver Reliability of the New Classification System of Progressive Collapsing Foot Deformity
Hee Young Lee; Nacime S. Mansur, MD; Matthieu Lalévéé, MD; Kevin N. Dibberm, PhD; Mark S. Myerson, MD; Scott J. Ellis, MD; John E. Femino, MD; Cesar de Cesar Netto, MD, PhD

Discussion

Paper Session 2B: Forefoot
Moderators: Irvin Oh, MD, and Daniel K. Moon, MD, MBA

The Influence of Concomitant Hammertoe Correction on Postoperative Outcomes in Patients Undergoing Hallux Valgus Correction
Lavan Rajan; Robert Fuller; Jiaqi Zhu; Tonya W. An, MD; Scott J. Ellis, MD

Do Preoperative PROMIS Scores Predict Postoperative Outcomes in Hallux Rigidus Patients Undergoing Chellectomy?
Lavan Rajan; Matthew S. Conti; Robert Fuller; Agnes D. Cororaton; Scott J. Ellis, MD

Early Outcomes of Minimally Invasive Percutaneous Chevron/Akin Osteotomy for Symptomatic Hallux Valgus Deformity
Naji S. Madi, MD; Jacob R. Braunstein, MD; Amanda N. Fletcher, MD, MS; George Doumat; Selene G. Parekh, MD, MBA

Effect of Prior Joint-sparing Surgery on Outcomes of First Metatarsophalangeal Joint Fusion for Treatment of Hallux Rigidus
Lavan Rajan; Robert Fuller; Jiaqi Zhu; Scott J. Ellis, MD

Metatarsal Head Resection: Patient-Reported Outcomes in Patients Suffering from Rheumatoid Arthritis
Chad Willis; Ashish Shah, MD; Zachary Littlefield; Matthew Young; Kevin S. Luque-Sanchez; Srihari R. Prahad; Pallavi Nair; Sunhith Donti; Sean Young

Discussion

10:00 – 10:30 am
Break

10:30 – 11:30 am
Concurrent Research Paper Sessions

Paper Session 3A: Sports
Moderators: Peter G. Mangone, MD, and Bopha Chrea, MD

Role of the Lateral Ankle Ligaments in the Vertical Stability of the Fibula
Jorge Filippi, MD, MBA; Paulina Gutierrez; Rony A. Silvestre; Gonzalo F. Bastias, MD; Jose Ignacio Quezada Morales; Rodrigo Melo, MD; Gerardo Munoz, MD, CAE; Natalio R. Cuchacovich Mikenberg, MD

Program continues on next page
Biomechanical Comparison of Fibertape Device versus Cannulated Screw for Ligamentous Lisfranc Injury in a Cadaveric Model
Zachary Koroneos, BS; Kristen M. Manto, BS; Brandon J. Martinazzi, BS; Chris M. Stauch, BS; Shawn M. Bifano, MD; Gregory Lewis, PhD; Michael C. Aynardi, MD

No Difference in Return to Duty between Minimally Invasive, Percutaneous Achilles Tendon Repair, and Nonoperative Functional Rehabilitation in Active Duty Military Members
Jordan Tropf; Andres S. Piscoya; Alexander Lundy; Sarah Nelson; Tobin T. Eckel, MD

Realignment Surgery for Failed Osteochondral Autologous Transplantation in Osteochondral Lesions of the Talus Associated with Malalignment
Jaeyoung Kim, MD; Jesse Seilern und Aspang; Kim Ji-Beom, MD; Jonathan Day, MD; Oliver Gagné, MD; Woo-Chun Lee, MD

Success Rate of Non-Operative Treatment of Insertional Achilles Tendinitis
Bryce F. Kunkle; Nicholas A. Baxter; Caroline P. Hoch; Alexander Caughman; John Barcel; Daniel J. Scott, MD, MBA; Christopher E. Gross, MD

Discussion

Paper Session 3B: Trauma
Moderators: Robert R. Gorman, MD, and Ross A. Benthien, MD, MPH

Impact of Weber B Fracture Displacement on Medial Clear Space Volume: How Much Displacement Matters?
Rohan Bhimani, MD, MBA; Marguerite A. Mullen; Soheil Ashkani-Esfahani, MD; Gregory R. Waryasz, MD; Gino Kerkhoffs, MD; Christopher W. DiGiovanni, MD; Daniel Guss, MD, MBA

Osteochondral and Ligament Injury Patterns in Ankle Fractures: A Prospective Multi-center Study
Dominic S. Carreira, MD; Daniel B. Shaw; Thomas G. Harris, MD; Kirk A. McCullough, MD; Christopher D. Kreulen, MD, MS; RobRoy Martin; Jorge I. Acevedo, MD

Inclusion of a Visual Aid Improves Surgeon and Trainee Accuracy when Evaluating Images for Ankle Syndesmotic Repair
Chloe L. Baratta, BS; Jose L. Zermeno Salinas; Karley D. Baringer; Jennifer A. Nichols; Christopher W. Reb, DO

Maximizing the Accuracy and Speed of the Detection of Isolated Syndesmotic Instability using Artificial Intelligence in Weight-bearing CT Interpretation
Soheil Ashkani-Esfahani, MD; Reza Mojaded-Yazdi; Rohan Bhimani, MD, MBA; Gregory R. Waryasz, MD; Christopher W. DiGiovanni, MD; Daniel Guss, MD, MBA

Locked IMNs Provides Superior Functional Outcomes and Lower Complication Rates Than Plate Fixation of Distal Fibula Fractures: A Systematic Review and Meta-analysis of Comparative Studies
Ahmed K. Attia, MD; Aly Fayed; Karim Mahmoud Khamis, MBBCh; Sameh (Sam) A. Labib, MD; Umur Aydogan, MD; Paul J. Juliano, MD

Discussion

11:30 am – 1:00 pm
Ask the Expert All-Stars: Expert-led Discussion on Top Cases from the AOFAS "Ask the Expert" Sessions
Moderator: Amgad M. Haleem, MD, PhD

Panelists:
Michael S. Aronow, MD
John T. Campbell, MD
Christopher P. Chiodo, MD
J. Chris Coetzee, MD
Bruce E. Cohen, MD
J. Kent Ellington, MD, MS
Richard D. Ferkel, MD
Kenneth J. Hunt, MD
John G. Kennedy, MD
Harold B. Kitaoka, MD
Sandra E. Klein, MD
Simon Lee, MD
James E.W. Meeker, MD
Vinod K. Panchbhavi, MD
Judith W. Smith, MD, MBA

Support for this session is provided by an educational grant from Foot Innovate.

1:00 – 5:00 pm
AFTERNOON BREAK

5:00 – 6:00 pm
Team Building and Kids Night

Competitive Legos vs. Play-doh Trivia

6:00 – 7:00 pm
Resident Scholar Meet & Greet

Program continues on next page
SUNDAY, FEBRUARY 20

7:00 – 8:30 am
The First Rule of Fight Club Is You Do Not Talk About Fight Club
Biologics: Special Sauce or All About the Benjamins?
Sheldon S. Lin, MD; James R. Holmes, MD

TAR: “Ain't No Deformity High Enough” –
One Step vs. Two Step
Mark E. Easley, MD; Anish R. Kadakia, MD

8:30 – 10:00 am
Farewell Breakfast