

DRIVING INNOVATION

2023 AOPA NATIONAL ASSEMBLY

INDIANAPOLIS, IN | SEPT 6-9, 2023

THE PREMIER MEETING FOR ORTHOTIC, PROSTHETIC, AND PEDORTHIC PROFESSIONALS.

Exhibits. Education. Networking.

PRELIMINARY PROGRAM



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American
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Association

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2023 AOPA NATIONAL ASSEMBLY

INDIANAPOLIS, IN | SEPT 6-9, 2023

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Membership Has its Benefits:

Members save **over \$300**
on Assembly Registration.

Learn more at aopanet.org/about-aopa/join-aopa.



There is a reason orthotic, prosthetic, and pedorthic professionals choose to attend AOPA's National Assembly over any other...it has it all! The best in business education and advanced clinical programming from physicians, high level researchers and top practitioners, the largest exhibit hall in the United States,

and of course, fun networking events. The Assembly is the one event all prosthetic, orthotic and pedorthic professionals should attend.

Those unable to join us in Indianapolis can still access the education by participating in the virtual option September 20 – November 20, 2023.

The National Assembly Planning Committee has been working diligently to bring you an enjoyable, engaging, and innovative experience.

2023 National Assembly Planning Committee

Joanna Kenton, MHA, LPO, CPO,
FAAOP (Co-Chair)
Charles Kuffel, MSM, LPO, CPO,
FAAOP (Co-Chair)
Tanya Baer, CFo, CFm
Corey Baum, CO, LO
Brock C. Berta, MBA, CPC-A
Russell Cannon
Christina Cox
Jeff Denune, CPO
Chad Duncan, PhD, CPO, CRC
Jeff Erenstone, CPO
Elizabeth Ginzel, MHA, LPO, CPO
Kimberly Hanson

Adrienne Hill, MHA, CPO
Dennis Janisse, CPed
Erick Janisse, CO, CPed
Andreas Kannenberg, PhD, MD
Jak Kesselring, CO
Tyler Klenow, MBA, MS, LPO, CPO
Suzy Klimek
Teri Kuffel, JD
Brad Mattear, CPA, LO, CFO
Geneen Spence
Matthew Wernke, PhD, CPO
Linda Wise, MBA
Brent Wright, CPO, BOCO
James Young, LP, CP, FAAOP

**100+ CE
Credits**

**Exhibits.
Education.
Networking.**



AOPA is excited to host the
106th National Assembly at
the “Crossroads of America”
in Indianapolis, IN.

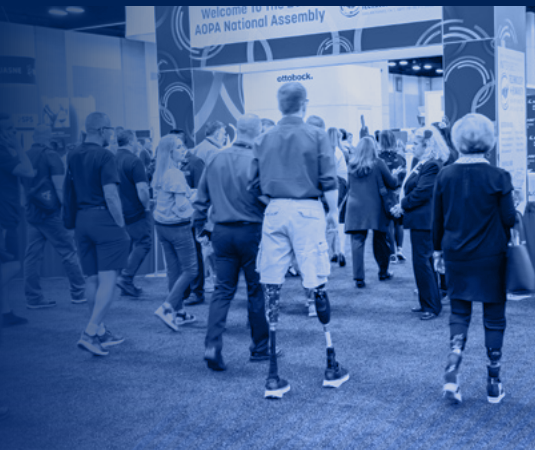
**ADVANCED
REGISTRATION**
REGISTER BY
AUG. 1, 2023
AND SAVE!

Why Attend?

- Improve techniques to better serve your patients. Whether clinical care, fabrication, or getting claims paid—your patients depend on you to know the latest!
- Customize your meeting experience to fit your needs—not only can you choose in-person, post-event virtual, but six concurrent education tracks allow you to customize your individual education experience to fit your needs.
- Earn over 100 CE Credits. Full conference registrants receive access to both the in-person and virtual education with the opportunity to attend as much (even all) the education they want.
- Receive updates from representatives with CMS, the Veterans Administration, and DOD.
- Peruse the exhibit hall to learn about the latest devices and techniques.
- Participate in more hands-on programming than ever before.
- Enjoy networking events such as the Welcome Tailgate Party—complete with a wheelchair basketball game, mascots, refreshments, and more.
- Visit the Indianapolis Motor Speedway—home of the Indianapolis 500.
- Participate in unique panel sessions.
 - ▶ Comparison of Surgical Techniques: Ertl Procedure & Osseointegration
 - ▶ The History and Future of Healthcare Reimbursement in the United States: A Fire-side Chat
 - ▶ Exploring the Impact of AFO Intervention on Muscle Activity
 - ▶ Smart Components: The Continuum of Data From Patient to Policy
 - ▶ Female Amputee Care Topics
 - ▶ Diabetic Foot Ulcer (DFU) Consortium (DFC): Orthotics in Prevention and Management of DFU
 - ▶ Using Outcome Measures to Justify Medical Necessity, Reimbursement and Clinical Accountability in Real-Life
 - ▶ Hands-on Post Show Workshop—The 2023 Ultimate Guide to Bone-Anchored Limb Prosthetics

Who should attend?

To stay up to date on the latest in the profession and to network with other top professionals from across the country and around the world, all practitioners, physicians, technicians, fitters, students, educational instructors, facility owners, marketing personnel, residents, physical therapists, office managers, billing specialists, researchers, manufacturers, distributors and suppliers of orthotic, prosthetic and pedorthic products and services should come to Indianapolis. Basically, if you are an O&P professional, you should attend! Additionally, over 100 CE Credits will be available through the in-person and virtual opportunities. We look forward to seeing you!



Why Indy?

Indianapolis is affordable, easy to get to, and a cool place to visit.

Indy's energetic downtown offers over 300 diverse restaurants and 50 major attractions, including renowned arts and cultural institutions, award-winning sports facilities, miles of bike paths, a scenic Central Canal, and 250 acres of urban green space. The close proximity of hotels, meeting space, and entertainment brings people together, and isn't that what the National Assembly is all about?

The nation's first LEED-certified airport, Indianapolis International Airport, is only 15 minutes from downtown and welcomes over 1,000 flights weekly from 43 nonstop destinations. Airports Council International named IND Best Airport in North America for the last nine years. Traveling to Indy is easy—for over 30 percent of the nation's

population, it's an easy drive and others a short flight—which is one reason Indy is called the "Crossroads of America."

Indianapolis comes alive with hundreds of places for good times, good drinks, and good conversation. From happy hour hotspots to late night live music venues, comedy clubs to cabaret shows, Indy is alive with after-hours fun and networking locales every day of the week.

Although recognized as a sports capital and home of the world's largest single-day sporting event—the Indy 500, visitors will find there is a surprise around every turn. Those who haven't visited Indy before, or at least in a while, will be surprised by the growth the city is experiencing and everything this vibrant destination offers.

Access the digital version of the Indy Visitors Guide:



**100+ CE
Credits**

Events Schedule

TUESDAY SEPTEMBER 5

Noon – 5:00pm **Registration and Information Desks Open**

Noon – 5:00pm **Exhibitor Set up**

WEDNESDAY SEPTEMBER 6

7:00am – 7:00pm **Registration and Information Desks Open**

7:00am – 3:00pm **Speaker Ready Room**

7:00am – 8:00am **Beverage Service**

7:00am – 3:00pm **Exhibitor Setup**

8:00am – 5:00pm **Certificate in O&P Business Management Course**
Co-hosted by the University of Hartford
Separate registration and fee required.

8:00am – 5:30pm **Manufacturers' Workshops**

Choose from over 40 workshops throughout the day featuring the newest products and latest technology, presented by leading manufacturers and suppliers from the O&P profession. Because manufacturers' workshops are intense and often contain hands on learning experience, participation is limited to 50 participants per workshop.

8:00 – 10:00am **Concurrent Workshops—Tier A**

See page 26 for details.

8:00am – 5:30pm **Post Breast Surgery Education**

- **Compression: The WHO, WHAT, WHEN and WHY! (PBS1)**
- **Amoena Manufacturer Workshop: "Supporting Confidence Through Innovation" (PBS2)**
- **ABC Custom Breast Prosthesis: What's In It For You? (PBS3)**
- **Adding Post Breast Care Surgery to your O&P Practice (PBS4)**

10:30am – 12:30pm **Concurrent Workshops—Tier B**

See page 26 for details.

12:30 – 2:00pm **Lunch on your own**

2:00 – 4:00pm **Concurrent Workshops—Tier C**

See page 26 for details.

4:30 – 5:30pm **Concurrent Workshops—Tier D**

See page 26 for details.

5:30 – 7:30pm **Welcome to Indy Tailgate Party**

Kickoff your Assembly experience at the "Welcome to Indy Tailgate Party." Enjoy refreshments, entertainment, and networking.

Exhibits.
Education.
Networking.

THURSDAY SEPTEMBER 7

7:00am – 6:00pm **Registration and Information Desks Open**

7:00am – 5:00pm **Speaker Ready Room**

7:15 – 8:00am **Breakfast**

7:45 – 9:00am **General Session (GS1) Opening Remarks and Keynote Address by Josh Sundquist**

9:00am – 6:30pm **Exhibit Hall Open**

9:00 – 10:30am **Networking Break in Exhibit Hall**

10:30 – Noon **Concurrent Education**

Business

- **Clinical Documentation in Orthotic and Prosthetic Practice (B1)**
- **How to Analyze and Negotiate Managed Care Contracts (B2)**

O&P Clinical Care

- **The History and Future of Healthcare Reimbursement in the United States: A Fire-side Chat (C1)**
- **Prosthetic Free Papers—Principles of Gait and Foot Design (C2)**

Pedorthic

- **Do Shoe Modifications Work and Do They Have a Role in Modern Pedorthics? (P1)**
- **Shoe Modifications Tips & Tricks (P2)**

Technical

- **Veterinary O&P: Fabrication Considerations for our Domestic, Farm and Wildlife Friends (T1)**

Post Breast Surgery Care

- **Lymphedema and the Role of Compression Therapy (PBS5)**

Noon – 2:00pm **Lunch in Exhibit Hall**



THURSDAY SEPTEMBER 7 (CONTINUED)

2:00 – 5:00pm **Concurrent Education**

Business

- National Mobility Movement, Powered by Local Legislative Change (B3)
- Using Storytelling to Support Exceptional Patient Care and Team Dynamics (B4)
- Hamontree Lectures (B5)
- Nine Nuances of “99” Codes... A Payers Perspective (B5A)
- Clinical Quality Improvement as a Foundational Business Strategy (B5B)

O&P Clinical Care

- Exploring the Impact of AFO Intervention on Muscular Activity (C3)
- Smart Components: Continuum of Data from Patient to Policy (C4)
- Prosthetic Free Papers—Foundations of Care: Sockets and Osseointegration (C5)
- Orthotic Free Papers—Cranial Remolding & Spinal Orthotics (C6)
- Female Amputee Care Topics (C7)
- Prosthetic Free Papers—MPKs and Outcome Measures (C8)

Pedorthic

- Heel Pain: Not Just Plantar Fasciitis (P3)
- Rocker Sole Theory, Indications and Application (P4)
- Live Demo: Rocker Sole Modifications (P5)

Technical

- 3-D Imaging Laminations (T2)
- Utilizing Technology: Foam Carvings in O&P (T3)
- Safety Standards and Health Applies to Everyone—Protect Your Team (T4)

Post Breast Surgery Care

- Fitting For Success (PBS6)
- Medicare LCD and the Lymphedema Treatment Act (PBS7)
- Certification Update—An Interview with the *O&P Almanac* (PBS8)

5:30 – 6:30 pm **Poster Presentations**

Poster Presentations will take place at the Product Preview Theater during the Happy Hour. Enjoy refreshments while supporting fellow researchers.

5:30 – 6:30 pm **Exhibitor-Sponsored Happy Hour**



Meet up in the exhibit hall after a busy day of learning for the exhibitor-sponsored Happy Hour.

This pub crawl style event will have an interesting turn at every aisle. Challenge your peers at the remote control (RC) car race track or have fun at the Indy photo op stop. *Included with your full conference registration.*

FRIDAY SEPTEMBER 8

7:00am – 5:00pm **Registration and Information Desks Open**

7:00am – 5:00pm **Speaker Ready Room Available**

7:15 – 8:00am **Breakfast**

7:45 – 9:00am **General Session and Thranhardt Presentations (GS2)**

- Microprocessor Stance and Swing Control Orthosis for Patients Dependent on a Knee-Ankle-Foot-Orthosis for Walking: A Randomized, Controlled Crossover Trial (C9A)
- Upper Extremity Myoelectric Interface and Control Methodologies: A Single Blinded Randomized Clinical Trial (C9B)

9:00am – 4:00pm **Exhibit Hall Open**

9:00 – 10:30am **Networking Break in Exhibit Hall**

10:30 – Noon **Concurrent Education**

Business

- Medicare Updates & Comprehensive Error Rate Testing (CERT) (B6)

O&P Clinical Care

- Diabetic Foot Ulcer (DFU) Consortium (DFC): Orthotics in Prevention and Management of DFU (C10/P6)
- Using Outcome Measures to Justify Medical Necessity, Reimbursement and Clinical Accountability in Real-Life (C11)

O&P Digital Care

- AFO Shape Capture Techniques and A Weight Bearing Scanning Platform for Improved Shape Capture for High Activity Ankle-Foot Orthoses (D1)
- The Impact of Sensor Technology on Bracing Outcomes for Knee Osteoarthritis: A Randomized Clinical Trial (D2)
- Implementing And Incorporating a Digital Workflow and Additive Manufacturing In An Orthotics Practice: An Ongoing Journey (D3)

Pedorthic

- Diabetic Foot Ulcer (DFU) Consortium (DFC): Orthotics in Prevention and Management of DFU (C10/P6)

Technical

- Sewing Machine Maintenance and Repair (T5)

Noon – 2:00pm **Lunch in Exhibit Hall**

Noon – 1:30pm **Professional Women in O&P Luncheon**

Proceeds will benefit the *So Kids Can Move* Advocacy Campaign. *Ticket Required \$25.*

2:00 – 5:15pm **Concurrent Education**

Business

- Best Practices for Working with the Veterans Administration Clinical Care and Contracting Team: Serving America's Best! (B7)
- How to Survive an Audit from the Administrative and Clinical Perspective (B8)
- The Complete Guide to Appealing (and Winning) Denials (B9)

O&P Clinical Care

- Microprocessor Stance and Swing Control Orthoses are a Milestone for Patients with Lower Limb Paresis Dependent on Knee-Ankle-Foot Orthoses (C12)
- Clinical Management of Children with Congenital and Acquired Limb Deficiencies (C13)
- Pediatric Gait Development: Developing movement strategies from Floor Mobility to Walking to Running and Jumping (C14)
- IU Health Center for Limb Loss: Developing a Clinical Model for Comprehensive Limb Loss Care (C15)

FRIDAY SEPTEMBER 8 (CONTINUED)

2:00 – 5:15pm **Concurrent Education**

O&P Digital Care

- Benefiting From Real-World Quantitative Data: Remote Activity Evaluation of Lower Limb Prosthetic Users (D4)
- How Your Current Software Can Help You Participate in the LLPR (D5)
- Multi-Lingual Evaluation of Patient Outcomes Using Mobile App Technology (D6)
- From Scan to Print in Prosthetics: A Digital Process for 3D Printed Diagnostic and Definitive Sockets (D7)
- Aether Digital Platform: The Role of Cloud-Based Software to Enhance Data Efficiency in Myoelectric Hands (D8)
- Going Digital with Digits (D9)

Pedorthic

- The Manufacture of Therapeutic Footwear (P7)
- The Design and Manufacture of Custom Footwear (P8)
- Relasting as an Alternative to Custom Shoes (P9)
- Live Demo: Relasting (P10)

Technical

- Plaster Safety (T6)
- Lest We Forget the Basics (T7)
- Hands on Metal Bending (T8)

6:00 – 8:00pm **Reception to Benefit So Kids Can Move Initiatives**
NCAA Museum. *Ticket Required \$50.*



SATURDAY SEPTEMBER 9

7:00am – Noon **Registration and Information Desks Open**

7:00am – Noon **Speaker Ready Room**

7:15 – 8:00am **Breakfast**

7:45 – 9:00am **General Session (GS3)**
Awards Ceremony
AOPA Membership Meeting

9:15am – Noon **Concurrent Education**

Business

- Steering Through Regulatory Obstacles (B10A)
- “Ins” and “Outs”—O&P Practice Acquisitions and Managing Cash Flow (B10B)
- O&P Wages Versus Inflation, Unraveling The Mystery You Didn't Know Existed (B10C)
- Questions and Discussion (B10)

O&P Clinical Care

- Interprofessional Best Practices: Collaborative Treatment of Idiopathic Toe Walking (C16)
- Comparison of Transtibial Amputation Surgical Techniques: Ertl Procedure & Osseointegration (C17)
- Orthotic Free Papers—AFO and KAFO Applications (C18)
- 3D Printing in Prosthetics: Common Concerns and Clinical Applications (C19/D13)
- Prosthetic Free Papers—Upper Extremity (C20)

9:15am – Noon **Concurrent Education**

O&P Digital Care

- Benefits Of a Simulation Model for Digital Manufacturing in the O&P Industry (D10)
- A Digital Process to Replicate the Socket and The Foot Alignment in Below Knee Running Specific Prostheses (D11)
- Real World Objective Outcome Measures Through the Use of Wearables for Remote Monitoring In Orthotics And Prosthetics (D12)
- 3D Printing in Prosthetics: Common Concerns and Clinical Applications (D13/C19)

Pedorthic

- The TSPD at 30 (P11)
- Wedges, Flares and Buttresses: Indications and Applications (P12)
- Live Demo: Wedges, Flares and Buttresses (P13)

Technical

- Technical Tips and Tricks (T9)
- Alternative Fabrication Methods being Utilized in Developing and War-Torn Countries (T10)

Noon – 1:00pm **Lunch on your own**

Noon – 2:00pm **O&P Digital Care Showcase**

Back by Popular Demand! The O&P Digital Care Showcase will be a hands-on event to learn about computer-based 3D design software tools utilizing a provided prosthetic and/or orthotic patient case (the patient file, 3D scan, and positive model), exhibitors will present a fabricated mold, device, or 3D print.

1:00 – 2:30pm **Concurrent Education**

Business

- Performance Incentives and Disincentives (B11)
- The Unforgettable Prosthetist: Grow Your Prosthetic Practice with Early Intervention (B12)
- Bullying, Mobbing, and Harassment in Orthotics and Prosthetics: How Do People Respond to Negative Behavior (B13)
- Maximize your Organization's Efficiency Through the Power of Office 365 (B14)

O&P Clinical Care

- Contemporary Treatment of Nerve Injuries in the Population with Amputation (C21)
- Clinical Education—Powered Components: Current Applications and Future Possibilities (C22)

Technical

- Technical Free Papers (T11)

1:00 – 5:00pm **Hands-on Osseointegration (OI) Workshop: The 2023 Ultimate Guide to Bone-Anchored Limb Prosthetics (C23)**

This in-depth four-hour hands-on presentation will provide prosthetists with the knowledge to care for patient who have undergone either screw-fit or press-fit implantation, via lecture, demonstrations, and patient interaction. *Ticket Required \$50.*

2:45 – 5:00pm **Concurrent Education**

Business

- Nothing Happens Until Somebody Sells Something (B15)

O&P Clinical Care

- O&P Free Papers—Upper Extremity Orthotics and General Topics (C24)
- Interprofessional Community Reintegration for Patients with Upper or Lower Limb Loss: Life Hacks for Prosthetic Wearers (C25)

Opening General Sessions

THURSDAY

SEPTEMBER 7

- 7:15am Breakfast
- 7:45am Opening Remarks
- 8:00am Keynote Presentation, One More Thing, One More Time



Josh Sundquist is a Paralympic ski racer and best-selling author who has been featured in *The New York Times*, CNN, and *Forbes* and has spoken across the world. His

high-octane blend of energy and humor inspires organizations and individuals to adopt his ski racing motto, 1MT1MT (one more thing, one more time) as their new standard of excellence. Josh will share stories about losing his leg to cancer, ski racing in the Paralympics, and playing jokes with his artificial leg to impart motivation for overcoming adversity and reaching peak performance.

FRIDAY

SEPTEMBER 8

- 7:15am Breakfast
- 7:45am Opening Remarks
- 8:00am Thranhardt Presentations



Kick-off Day Two with breakfast and the Award-Winning Thranhardt Lectures—

Established through a gift from J.E. Hanger, this series recognizes individuals committed to advancing O&P education and research, and memorialized Howard R. Thranhardt, CPO. The Thranhardt Award is one of the most coveted awards in the O&P profession.

- Microprocessor Stance and Swing Control Orthosis for Patients Dependent on a Knee-Ankle-Foot-Orthosis for Walking: A Randomized, Controlled Crossover Trial (C9A)
Andreas Kannenberg, MD (GER), PhD and Shane Wurdeman, PhD, CP, FAAOP(D)
- Upper Extremity Myoelectric Interface and Control Methodologies: A Single Blinded Randomized Clinical Trial (C9B)
Matt Wernke, PhD

SATURDAY

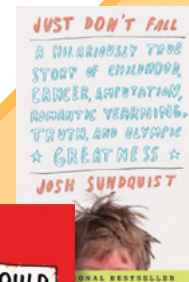
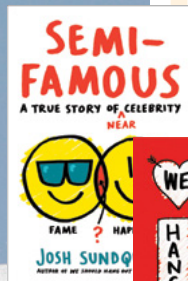
SEPTEMBER 9

- 7:15am Breakfast
- 7:45am Opening Remarks
- 8:00am Awards Presentations
- 8:30am AOPA Membership Meeting

Join us for breakfast and an opportunity to honor the 2023 awardees. During the AOPA membership meeting you'll receive updates that focus on AOPA and the profession.



**American
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Association**



Business Education

Learn new ideas and classic advice for O&P leaders from the country's most successful business and management experts.

THURSDAY

SEPTEMBER 7

10:30 – 11:15am

Clinical Documentation in Orthotic and Prosthetic Practice (B1)

Chris Doeger, PT, CP

Clinical documentation is a key element of prosthetic and orthotic practice. It is the gateway to communication with referral sources and third-party payors. This course reviews medical necessity, basic organization of a SOAP note, clinical models that can assist with note writing, and guidelines for writing a good assessment. Upon completion of this course, the learner will have a deeper understanding of clinical evaluation documentation and the ability to apply the knowledge to improve reimbursement.

*By completing this course and passing the accompanying quiz, you will satisfy the Healthcare Operations Elective for the Joint AOPA-University of Hartford Certificate in O&P Business Management Program. Learn more about the Certificate program at www.AOPAnet.org or contact info@AOPAnet.org.

11:15am – Noon

How to Analyze and Negotiate Managed Care Contracts (B2)

Brock C. Berta, MBA, CPC

Managed Care Contracting for Orthotics and Prosthetics involves the four principles of:

- ▶ Finance
- ▶ Law
- ▶ Marketing
- ▶ Cost Accounting/Rate Analysis

Not only will this course help you advance your business and personal acumen, but by passing the related quiz, it also qualifies as a Finance elective course for the AOPA-University of Hartford Certificate in O&P Business Management.

2:00 – 2:45pm

National Mobility Movement, Powered by Local Legislative Change (B3)

Teri Kuffel, JD

Charles Kuffel, MSM, LPO, CPO, FAAOP

Aaron Holm

Kyle Stepp

Kimberly Hanson (Moderator)

Learn how joining together to advocate for your patients on the state level benefits everyone.

2:45 – 3:30pm

Using Storytelling to Support Exceptional Patient Care and Team Dynamics (B4)

Michael Weiss CPO, LPO

Learn how to leverage effective storytelling and communication to develop your internal teams, standardize processes to improve efficiency, and promote exceptional patient care that differentiates your practice.

3:30 – 3:15pm

Break

3:45 – 5:15pm

Hamontree Lectures (B5)

Sam. E. Hamontree Business Education Award was created to recognize the best business papers submitted for presentation at the AOPA National Assembly. Hear the Hamontree Contenders and cast your vote for the Award-Winning Paper.

CAST
YOUR
VOTE

3:45 – 4:30pm

Nine Nuances of “99” Codes... A Payers Perspective (B5A)

Dale Berry, CP, LP, FAAOP

This presentation will examine the 9 nuances of administrative, documentation and operational practices when applying and submitting a Not Otherwise Classified (NOC) “99” code...and review the critical key implementation practices to ensure timely approvals.

4:30 – 5:15pm

Clinical Quality Improvement as a Foundational Business Strategy (B5B)

Gerald Stark PhD, MSEM, CPO/L, FAAOP(D)

In the present context of growing economic pressures being placed on practitioners, Clinical Quality Measures are often seen at odds with revenue goals. Additionally, clinicians often suffer from “learned helplessness” to create compelling data-based narratives surrounding innovations that accurately portray their differentiated care. By learning to interpret and compare data at a more refined level, clinical leaders can develop robust data models that can anticipate and transform their business strategy to predict possible clinical gaps and opportunities before they happen. Speaker will provide examples of how these data activation models will form the foundation of future intelligent services, workflow, and drive greater transformation within O & P healthcare.

Business Education

FRIDAY

SEPTEMBER 8

10:30am – Noon

Medicare Updates & Comprehensive Error Rate Testing (CERT) (B6)

Angie Cooper DME MAC Jurisdiction B&C

Ruth Reese, Provider Outreach and Education, DME MAC Jurisdiction A&D

Members of the DME CERT Outreach and Education Task Force and education teams for the DME MACs (Noridian and CGS) will be on hand to provide up to date information on changes in the fee-for-service Medicare program affecting O&P Medicare suppliers, as well as the most current information on claim errors identified by the CERT contractor. Presenters will discuss top policies experiencing errors, an explanation of whether those errors are curable, and guidance to prevent these errors in the future. There is also time allotted for questions from the O&P community. The question and answer portion of the session will be supported by the CPOs from Noridian and CGS, Pat Peick and Sienna Newman.

2:00 – 3:30pm

Best Practices for Working with the Veterans Administration Clinical Care and Contracting Team: Serving America's Best! (B7)

Jason Highsmith (Invited)

Kristen Nelson (Invited)

Learn how to partner with the Veterans Administration to deliver the highest quality of O&P care and most medically necessary products. Understand the parameters when contracting is critical.

3:30 – 4:30pm

How to Survive an Audit from the Administrative and Clinical Perspective (B8)

Ken Cornell, CO

Stacy Toner

This session will breakdown Medicare's AFO/KAFO Local Coverage Determination policy, how to consistently write an audit proof clinical note and how to respond to, manage and win your audit.

4:30 – 5:15pm

The Complete Guide to Appealing (and Winning) Denials (B9)

William Lifford, CP

Learn the necessary steps of appeal to overturn and win O&P claim denials.

SATURDAY

SEPTEMBER 9

9:15am – Noon

Business Free Papers (B10)

9:15 – 10:00am

Steering Through Regulatory Obstacles (B10A)

Laurie Johnson, JD

Karyn Kessler, CHPC, CHC

As regulations can be confusing, hard to apply and difficult to implement, this presentation breaks down HIPAA, Office of Inspector General (OIG) and Office of Civil Rights (OCR) current actions. Attendees will understand the newest Privacy and Compliance risks, how to assess them and determine highest priorities for action. By taking action on the highest risk areas, attendees can minimize financial, operational and reputational damage. Many obstacles can get in the way but knowing the rules of the road, can help you to steer clear.

10:00 – 10:45am

"Ins" and "Outs"—O&P Practice Acquisitions and Managing Cash Flow (B10B)

Steven Richter, CPA

Attendees that work for an organization actively acquiring existing O&P companies will be informed about ways to avoid temporary and permanent cash flow issues. Topics covered will include due diligence review, selecting the type of purchase transaction, contract retention, and post acquisition checklists.

10:45 – 11:30am

O&P Wages Versus Inflation, Unraveling The Mystery You Didn't Know Existed (B10C)

Nathanael Feehan, LPO

The lifestyle of O&P staff is not what it was 40 years ago. While technology has changed so has our lifestyle and workload. Have wages kept up with inflation? Can O&P staff maintain the same standard of living we have grown accustomed to over the years?

11:30am – Noon

Questions and Discussion



Saturday, September 9 (Continued)

1:00 – 1:45pm

Performance Incentives and Disincentives (B11)

John Brinkmann, MA, CPO, LPO, FAAOP(D)

Nina Bondre, MPO, CPO

The objective of this course is to challenge the traditional concepts of what motivates students and employees by presenting research on alternative incentive structures and how to build a company culture that synergizes with these incentives. Our intention is to stimulate thought and discussion on this topic to generate more creative solutions for attracting and retaining O&P talent.

1:45 – 2:30pm

The Unforgettable Prosthetist: Grow Your Prosthetic Practice with Early Intervention (B12)

Jennifer Latham Robinson

The Unforgettable Prosthetist: Grow Your Prosthetic Practice with Early Intervention is a presentation by an industry expert with personal limb difference experience, focusing on the benefits of early prosthetic intervention for improved physical and emotional well-being. Attendees will learn about various strategies for early intervention, such as incorporating limb protection and proactively following up with patients. The presentation also emphasizes the importance of a patient-centric approach and effective marketing techniques to enhance the reputation of prosthetists as unforgettable professionals who prioritize patient-centered care.

2:30 – 3:15pm

Bullying, Mobbing, and Harassment in Orthotics and Prosthetics: How Do People Respond to Negative Behavior (B13)

Thomas Karolewski, EdD(ABD), CP, LP, FAAOP(D)

The purpose of the study is to find out how people respond to negative behavior in the workplace and the long lasting effects caused to the individual and cost to the company.

3:15 – 4:00pm

Maximize your Organization's Efficiency Through the Power of Office 365 (B14)

Kelly Gies

Kiley Ring

Join us for a presentation on how Office 365 can help your team optimize workflow and boost productivity. We'll explore essential applications and features for seamless collaboration, effective task and project management, and clear communication. By the end of this session, you'll gain a deeper understanding of how Office 365 can enhance your team's performance and help you achieve your goals more effectively.

4:00 – 4:45pm

Nothing Happens Until Somebody Sells Something (B15)

Curt Bertram CPO, FAAOP

Needs Satisfaction Selling is something we do every day as an O&P clinician. Our goal is to fulfill the patient's unmet needs and to do this we need to employ behavioral science techniques during our interview with the patient. This talk will explore those techniques needed to help the clinician develop better documentation that creates medically necessary & defensible treatments plans.



O&P Clinical Care

THURSDAY

SEPTEMBER 7

10:30am – Noon

The History and Future of Healthcare Reimbursement in the United States: A Fire-side Chat (C1)

Jason Highsmith, PhD, DPT, PT, CP, FAAOP

Chris Robinson, MS, MBA, CPO, ATC, FAAOP (D)

Michael Carroll, PhD, MBA, CPO, FAAOP

Christopher Fantini, MSPT, CP, BOCO

Join our panel for a fire-side chat as we discuss the history and future of healthcare reimbursement in the United States.

10:30am – Noon

Prosthetic Free Papers—Principles of Gait and Foot Design (C2)

Clinical Survey of Transtibial and Transfemoral Initial Alignment Methodologies (C2A)

Gerald Stark, PhD, MSEM, CPO/L, FAAOP(D)

Clinically, transtibial and transfemoral initial alignment methodology seems to differ greatly between clinicians and locations, even though many of the parameters and guidelines have been historically established in prosthetic programs. Anecdotally the author has encountered many heuristics that vary and may be reflective of clinic type, volume of fittings, and experience level. Transtibial and “Other” and “Natural” alignment was rated highly, which may indicate greater individuality of alignment heuristics.

Ground Clearance and Compensatory Strategies—Influencing Factors for Lower Limb Prosthetics (C2B)

Thomas Maximilian Köhler, MSc, CPO

Tripping is a safety risk for lower limb amputees and it is mainly affected by ground clearance during prosthetic side swing phase. The results showed that the prosthetic alignment as well as the swing phase control of the prosthetic knee joint have a strong impact on the resulting ground clearance and compensatory strategies. A more anterior aligned prosthetic knee joint and a more posterior aligned foot can enhance ground clearance. Furthermore, a swing phase control that enables adequate knee flexion independent to the walking velocity is crucial for ensuring ground clearance.

Prospective Fall Risk Measures In People Who Used a Unilateral Lower-Limb Prosthesis (C2C)

Graci Finco, PhD, CPO

Learn what clinical outcome measures were able to significantly distinguish 6-month prospective fallers from non-fallers.

Compensatory Trunk Movements of Transfemoral Amputees when Walking with Different Gait Velocities (C2D)

Eva Pröbsting Dipl-Ing

The lateral trunk lean analysed with a segment using the C7, the sacrum and the center of pelvis was compared between transfemoral amputees and non amputees walking with three different velocities (slow, mid, fast).

A Pilot Study to Evaluate the Effects of Hydraulic Ankle-Foot Prostheses on Standing and Walking Performance In K2-Level Ambulators (C2E)

Steven Gard, PhD

Prosthesis users perform many basic walking activities indoors and outdoors, where traversing uneven terrain and slopes, or ascending and descending stairs, may be necessary in addition to level-ground walking. Increased prosthetic ankle range of motion (ROM) may lead to improved kinematics and kinetics on slopes and stairs in K2-level transtibial amputees. Hydraulic ankle-foot components can adapt to uneven ground and have an increased ankle joint ROM that may be beneficial for transtibial amputees in performing daily mobility tasks.

Scoping Review of the Evidence on Powered Prosthetic Ankle-Foot Components (C2F)

Andreas Kannenberg, MD (GER), PhD

This paper will give an overview on the state of the evidence on the benefits of powered prosthetic ankle-foot components and clinical considerations for patient selection and successful fitting.

Questions and Discussion

2:00 – 3:30pm

Exploring the Impact of AFO Intervention on Muscle Activity (C3)

Sally Kenworthy, MPO, CPO

Jill Seale, PT, PhD, NCS

A common fear surrounding AFO intervention is that the user will become weaker or more dependent on the orthosis over time. This session will explore the origin of these fears and summarize the current literature from an ongoing scoping review on the impact of AFOs on muscle activity as measured by EMG. Attendees will leave the session with the knowledge necessary to have informed and nuanced conversations with patients, their families, and other providers around this concern.

2:00 – 3:30pm

Smart Components: The Continuum of Data from Patient to Policy (C4)

Todd Farrell, PhD

Andreas Kannenberg, MD (GER), PhD

Levi Hargrove, PhD, MScE

Blair Lock, MScE

Bart Phillips, MS

Wearable sensors are becoming ubiquitous in healthcare and are making their way into prosthetics and orthotics. This session will focus on sensing technologies that are, or soon will be, available, how scientifically reliable these data sources are, and whether they can adequately measure changes due to a clinical intervention. It will also explore how data can help justify medical necessity, allow for early intervention to improve clinical outcomes, and, in the future, how ‘Big Data’ can be leveraged to guide clinical decision making and will likely influence reimbursement decisions.

Thursday, September 7 (Continued)

2:00 – 3:30pm

Prosthetic Free Papers—Foundations of Care: Sockets and Osseointegration (C5)**Comparative Observational Study—Blind Test Hydrostatic Casting Vs. Other Residual Limb Impression Methods (C5A)**

Jeffrey Denune, CP, LP

This pilot research will look at three shape capture techniques to evaluate ADLs, limb health, and comfort for transtibial amputees.

Moisture Mitigation Using Perforated Liner and Socket System For Individuals with Trans-Femoral Amputation (C5B)

Surya Gnyawali, Asst. Professor

The perforated socket-liner system mitigates the humidity hence the better prosthetic fit promoting better amputee life. Sweat build-up causes suboptimal socket fit and effect limb health and mobility.

Limb Health and Socket Pressure in Response to Powered Ankle Prostheses (C5C)

Sashwati Roy, PhD

This research seeks to understand and quantify the effects of powered transtibial prostheses on socket loading and direct measures of residual limb health.

Socket Comfort Score: Comparing Current Transtibial Socket with Custom Direct Fit Socket (C5D)

Pamela Hale, CPO

A case study comparing a conventional transtibial carbon fiber socket to a custom direct fit socket indicates that Socket Comfort Score and time to delivery are greatly improved with a direct fit socket. With improved processes of fabrication prosthetists can deliver a complete socket within 2 hours and eliminate multiple visits to the clinic for fittings.

Osseointegration Outcomes Following Amputee Lengthening (C5E)

Atiya Oomatia, BEng, MCT

This is the first study to directly address the outcomes, and management of osseointegration prosthesis following a limb lengthening procedure for individuals unable to use traditional socket prosthesis due to short stump.

Individuals with Osseointegrated Prostheses use an Intact Limb Reliance Strategy During Locomotion (C5F)

Jenna Burnett, MS

Individuals with lower limb amputation who use an osseointegrated prosthesis are expected to have improvements in their biomechanical performance due to the rigid connection between the prosthesis and body. However, evidence suggests that individuals with a transfemoral amputation who use an osseointegrated prosthesis may use an intact limb reliance strategy during walking. This reliance on the intact limb may be due to muscle weaknesses, prosthesis component limitations, or behaviors previously adopted when using a socket.

Questions and Discussion

3:45 – 5:15pm

Orthotic Free Papers—Cranial Remolding & Spinal Orthotics (C6)**Effects of Physical Therapy and Compliance on Deformational Head Shape Treatments (C6A)**

Tiffany Graham, MSPO, CPO, LPO, FAAOP(D)

Forty three infants with cranial deformation were enrolled and followed from 2 to 12 months of age. Participants received physical therapy (if torticollis was present), repositioning therapy, and the option for cranial remolding orthotic treatment. Outcomes were examined at 12 months of age, and stratified based on compliance to the treatment protocols. Infants concurrently enrolled in physical therapy had increased deformational head shape treatment compliance and those who were compliant with head shape treatment more often achieved resolution of their head shape.

An Examination of 3-Dimensional Change for Infants with Deformational Plagiocephaly (C6B)

Tiffany Graham, MSPO, CPO, LPO, FAAOP(D)

Twenty six infants with clinically significant cranial asymmetries were enrolled and followed from 2 to 12 months of age. Participants received repositioning therapy and the option for cranial remolding orthotic treatment. Outcomes were examined at 12 months of age, and the net growth of the bossed quadrants versus net growth of the flattened quadrants were compared. Statistical significance was found when comparing asymmetry changes during orthotic treatment to repositioning therapy or to natural post-correction growth. No statistical difference were found in 3-dimensional asymmetry changes between infants undergoing repositioning therapy and infants who grew naturally after their head shape was resolved.

Effectiveness of a 3D-Printed Cranial Orthosis with Novel Closure System (C6C)

Jared Howell, MS, CPO, LPO, FAAOP

Cranial Remolding is changing resulting in the advent of 3D FDA cleared cranial remolding helmets. This presentation explores the efficacy and use of the first FDA cleared 3D printed helmet across a large sample size.

Possible Implications of Pediatric Chest Wall Surgeries on the Risk of Development of Spinal Deformities (C6D)

Michael Ginzburg, PsyD, MA, MS, CO, LMFT

Rachel White, CPO

the relationship between early pediatric chest wall surgeries and risk for the development of scoliosis is controversial. Clinicians addressing the pediatric chest wall surgery population can benefit from greater clinical context as to how the co-occurrence of these diagnoses can potentially impact the treatment course of the involved populations. Early detection of scoliotic deformities is critical in the successful implementation of non-operative treatment modalities.

Predicting Scoliosis Outcome (C6E)

Gez Bowman, CO, MBAPO

Reviewing the factors that determine scoliosis bracing outcome. How daily wear time and time-off impacts outcome. Applying a mathematical formula to predict eventual outcome.

Questions and Discussion

Thursday, September 7 (Continued)

3:45 – 5:15pm

Female Amputee Care Topics (C7)

Jason Highsmith, PhD, DPT, PT, CP, FAAOP

Jason T. Kahle, MSMS, CPO, LPO, FAAOP

Sophia Mancini, MSPO

Rebecca Miro, PhD, CP

Female amputees have unique clinical and fitting considerations, but have remained largely under-represented in amputation research. This session will summarize the research related women's care and help prosthetists understand strategies for fitting throughout pregnancy. Considerations and accommodations for female practitioners during pregnancy will also be presented.

3:45 – 5:15pm

Prosthetic Free Papers—MPKs and Outcome Measures (C8)

Use of Outcomes to Achieve the Impossible: Approval of MPK in K2 Patients (C8A)

Andreas Kannenberg, MD (GER), PhD

This paper will present the use of outcome measures to document medical necessity of a MPK in two K2 case studies as well as the benefits of the MPK established in longer-term trial fittings.

Narrowing the Performance Gap for Bilateral Transfemoral Prosthesis Users with Their Unilateral Peers Using Advanced Microprocessor Knee Technology (C8B)

Tyler Klenow, MSPO, MBA, CPO, FAAOP

Individuals with bilateral transfemoral amputation make up a small portion of the overall patient population, but require focused solutions to meet their unique needs. This includes on ramps and stairs where bilateral TFA users are completely reliant on technology. This presentation will describe the product development process for a true bilateral mode for the Genium MPK and explain why advanced MPKs should be considered standard of care for such patients.

Assessing Lower-Limb Prosthetic Users' Activity Levels: A Comparison of Clinical and Real-World Measures (C8C)

Inês Antunes, MBE

Vanessa Carvahlo

This abstract will present a case study based on the remote monitoring of a transtibial prosthesis user for their functional level assessment. Through daily step data collection, one could demonstrate that typical ways of evaluating this patient were underestimating their capacity of performing activities of daily life in real-life conditions, and, therefore, their functional level.

Integrating Outcome Measure Data Collection with the National Limb Loss and Preservation Registry (C8D)

Sarah Chang, PhD

The P&O COMET outcome measures mobile application has been integrated with the Limb Loss and Preservation Registry. The latest advancement in the collection of patient outcome measures using the P&O COMET mobile app technology will be presented and how this mobile app can be used to contribute to the Limb Loss and Preservation Registry.

Advanced Wearable Fitness Tracker for Transtibial Limb Loss: A Feasibility Study Using the Oura Ring (C8E)

John Chomack, MS

Prosthetic prescription practices underutilize objective community-based outcomes. To enhance clinical prosthetic practices, the goal of this study was to address the feasibility of using a wearable fitness tracker (Oura Ring) as an accurate, health-related activity measuring device for individuals with lower limb loss. Wearable fitness trackers have the potential to provide objective data necessary for individualized healthcare and prosthetic prescription practices to improve prosthesis satisfaction and overall quality of life.

Measuring the Metabolic Energy Consumption in Prosthetics and Orthotics: Which is an Appropriate Study Design? (C8F)

Malte Bellmann, PhD

Next to established biomechanical and clinical methods, measuring the metabolic energy consumption seems to be an adequate addition to evaluate the effect of prosthetic and orthotic interventions. Nevertheless, the correct methodological approach is crucial regarding the validity and relevance of the results. A scientific based study design will be presented.

Questions and Discussion



FRIDAY

SEPTEMBER 8

8:00 – 9:00am

Award-Winning Thranhardt Papers (C9)

- **Microprocessor Stance and Swing Control Orthosis for Patients Dependent on a Knee-Ankle-Foot-Orthosis for Walking: A Randomized, Controlled Crossover Trial (C9A)**, Andreas Kannenberg, MD (GER), PhD and Shane Wurdeman, PhD, CPO, FAAOP(D)
- **Upper Extremity Myoelectric Interface and Control Methodologies: A Single Blinded Randomized Clinical Trial (C9B)**, Matt Wernke, PhD



10:30am – Noon

Diabetic Foot Ulcer (DFU) Consortium (DFC): Orthotics in Prevention and Management of DFU (C10/P6)

Sashwati Roy, PhD
 Chandan Sen, PhD
 Gayle Gordillo, MD

Up to 34% of people with diabetes will develop a foot ulcer in their lifetime and half of foot ulcers become infected. Each year about 100,000 Americans with diabetes will lose part of their lower limb because a foot ulcer becomes infected or does not heal. The Diabetic Foot Consortium (DFC), funded by the National Institutes of Health, is the first-ever multicenter network to study diabetic foot ulcers. The ongoing studies at DFC focus on development of DFU biomarkers. Offloading measures using personalized Orthotics devices are Critical part of management strategies for modulating excess pressure to prevent development of diabetic foot ulcers (DFUs). Such approaches are also key in preventing re-ulceration. This session will discuss clinical research initiatives at the DFC clinical network. Clinical guidelines of offloading methods in prevention of primary diabetic foot ulcers and the recurrences of healed ulcers will also be discussed.

10:30am – Noon

Using Outcome Measures to Justify Medical Necessity, Reimbursement and Clinical Accountability in Real-Life (C11)

Jason Highsmith, PT, DPT, PhD, CP, FAAOP
 Jason T. Kahle, MSMS, CPO, LPO, FAAOP
 Andreas Kannenberg, MD (GER), PhD
 Tyler Klenow, MSPO, MBA, CPO, FAAOP

The O&P profession has been emphasizing the need for outcome measures for over a decade with a focus on developing new instruments and establishing psychometric properties. However, as clinicians we care about what happens next; how do we apply these findings to our everyday clinical practice? Ecological validity examines whether a measure is generalizable to real-life settings, including medical justification to support reimbursement. The purpose of this presentation is to explore ecological validity and maximize return on investment for clinicians. Specific topics include using outcome measures to establish medical necessity, how data collection can be integrated seamlessly into clinical practice, and how clinical practice guidelines have been used to facilitate communication with physicians and within the Veterans Health Administration.

2:00 – 3:30pm

Microprocessor Stance and Swing Control Orthoses are a Milestone for Patients with Lower Limb Paresis Dependent on Knee-Ankle-Foot Orthoses (C12)

Andreas Kannenberg, MD (GER), PhD
 Arun Jayaraman, PT, PhD
 Shane Wurdeman, PhD, CPO, FAAOP(D)
 Russ Lundstrom, MS
 Andreas Hahn, PhD

Locked knee-ankle-foot orthoses (LKAFOs) that force patients to always walk with a stiff orthotic leg are the standard of care for individuals with knee instability due to neuromuscular or central nervous disease. Technological “advances”, made decades ago, such as posterior-offset KAFOs and stance control orthoses lock the orthotic knee during stance and unlock it for free swing. However, the benefits of these orthoses are primarily limited to level walking. Thus, orthotists and KAFO users are faced with a tremendous technology and clinical benefit gap compared to the prosthetic options for patients with amputations. A microprocessor stance and swing control orthosis (MP-SSCO—C-Brace®) that closes this gap has been available for about 10 years. The symposium will give a comprehensive overview on the clinical research performed with the C-Brace. It will summarize all published studies and present yet-unpublished clinical results of two ongoing trials. One study is investigating the potential benefits of the MP-SSCO in the post-acute rehabilitation of patients with incomplete spinal cord injuries. The second trial is an international, randomized, multicenter study with 75 current KAFO users at 14 sites in 4 countries. Preliminary results shortly after completion of the study showed statistically significant and clinically meaningful improvements in risk of falling, actual falls, performance-based and patient-reported function and mobility. First subgroup analyses revealed important differences between patients with different underlying conditions and types of conventional orthoses currently used. The complete statistical analysis will give orthotists valuable guidance for the differential orthotic treatment of their KAFO patients.

2:00 – 3:30pm

Clinical Management of Children with Congenital and Acquired Limb Deficiencies (C13)

Jill Cannoy, PT, DPT, PCS
 Richard Welling, MSPO, CPO

A review on the importance of a multidisciplinary team approach in the clinical management of children with congenital and acquired limb deficiencies. Presenters will be reviewing the surgical, prosthetic, and rehabilitation management of children with congenital and acquired limb deficiencies.



Friday, September 8 (Continued)

3:45 – 5:15pm

Pediatric Gait Development: Developing Movement Strategies from Floor Mobility to Walking to Running and Jumping (C14)

Anne Pare, CO, LO

In treating both children and adults in orthotics, it is essential to have a firm understanding of typical and atypical gait patterns. But how is gait developed? What are the major characteristics of a developing gait pattern?

Children learn to walk as they gain triplanar postural stability from head to toe. Through postural control development and gross motor skill attainment, children develop improved integration of their sensory systems, muscle balance and both dynamic and reactive balance.

This lecture describes the necessary development to achieve a mature, energy efficient gait pattern. Orthotic intervention should lead to gait progression, not just the alleviation of a particular gait deviation. Understanding typical gait development and how children adapt their movement patterns early in their development and then use these same “go-to strategies for stability” later in walking will help pediatric orthotists to design their orthotic treatment plan and then to assess the effectiveness of their orthotic intervention.

3:45 – 5:15pm

IU Health Center for Limb Loss: Developing a Clinical Model for Comprehensive Limb Loss Care (C15)

Whitney Pratt, MD, PhD

Julie Salin, PT, DPT

Regan Johnson, PT, DPT

Kathryn Gyves, PT, DPT CSRS, CBIS

Jeffrey Denune, CPO

Comprehensive care coordination for patients with limb differences and amputations can be challenging, but it is essential for optimal functional outcomes. Many factors involved in complicating the care of patients with limb loss include the number of providers involved in their care, the potential for a nonlinear clinical course, communication breakdowns, and insurance requirements/limitations. The Center for Limb Loss at IU Health was established to provide comprehensive clinical evaluation and management for patients with limb differences and amputations. Patients who receive coordinated care have been shown to have better functional outcomes and fewer complications and are less likely to experience delays in ADL's. The CLL team have Physicians, PTs, prosthetist, and wound experts in attendance at all patient appointments to support the best possible outcome and keep communication open between departments. An overview of this comprehensive care will be discussed from the time of surgery to evaluation for prescribed prosthetic devices, to PT interaction, and relationship building with local prosthetist. The team will share how they have successfully collaborated with Indiana University to incorporate research data and outcomes into patient appointments and decision making. Outcomes based data has played a role in positively encouraging patients, showing progress and areas of improvements needed to improve ADL's. Panel discussion will share the rationale for developing this clinical model and the steps taken to establish and grow the CLL. Panelists will present their roles in relation to the CLL and highlight relevant considerations from their clinical perspectives. The benefits of the care continuum to providers and patients as well as challenges with implementation and future directions will be emphasized.

SATURDAY

SEPTEMBER 9

9:15 – 10:30am

Interprofessional Best Practices: Collaborative Treatment of Idiopathic Toe Walking (C16)

J. Chad Duncan, PhD, CRC, CPO, LPO

Julie Quinlan, MPO, MS, CPO, ATC

Marlies Cabell, CPO

Toe walking is not unusual as an infant is learning to walk. Developmentally, many experts suggest that toe walking should end by the age of two. However, due to orthopaedic or developmental delays, they do not grow out of the toe walking and fail to achieve the full heel strike when walking. There are lots of different treatments for toe walking, but did you know that in some cases, fixing the vision can fix the feet?

9:15 – 10:30am

Comparison of Transtibial Amputation Surgical Techniques: Ertl Procedure & Osseointegration (C17)

Jan Ertl, MD

Jason Stoneback, MD

John “Mo” Kenney, CPO, LPO, FAAOP

Christopher Hoyt, CP

Join us for a discussion on the Ertl procedure and osseointegration surgical procedures, who benefits, and what you need to know.

10:30am – Noon

Orthotic Free Papers—AFO and KAFO Applications (C18)

Effect and Benefit of Ankle Foot Orthoses for Patients with Weakness of the Plantar and Dorsiflexors: Biomechanical Comparison of Different Orthotic Concepts (C18A)

Thomas Schmalz, PhD

Patients with both plantar and dorsiflexor weakness can be successfully fitted with AFOs. The aim of the present study is to compare the effectiveness of different AFO concepts for supporting movement patterns of daily living using biomechanical parameters.

Importance of Passive Dorsiflexion Range of Motion in The Ankle: A Case Study Where Dynamic Contracture Treatment Corrects Alignment in the AFO to Limit Knee Hyperextension (C18B)

Flora Versyck, CPO, PT

The importance of alignment in an AFO in order to control the hyperextension in the knee provided PROM in the ankle. A explicit case study that shows the result of dynamic contracture management as a base for a well tuned AFO to correct knee hyperextension.

Design and Fitting of a Custom-Made Carbon-Fiber Ankle Foot Orthosis for Sprinting (C18C)

Andrea Cutti, MEng, CPO, PhD

Francesca Gariboldi, MEng

This study describes the design and fitting of a custom-made carbon-fiber composite AFO for sprinting to be used in combination with conventional and certified sprinting shoes with spikes for track. The AFO was designed

and fitted for a 26-year-old female paralympic athlete with an acquired right spastic hemiplegia, who was unable to use traditional AFO with neutral ankle alignment (0° flexion). Thanks to this orthosis, the subject was able to compete at the 2020 Tokyo paralympic games.

The Importance of Implementing of a Mechanical Stance Control Orthosis in an Early Stage During Rehabilitation In Order to Improve Standing, Walking and Activities of Daily Living (C18D)

Flora Versyck, CPO

The benefits of early application of stance control orthoses during rehabilitation for quadriceps failure or knee instability.

The Effect of Early COVID-19 Policy on a Multi-national Cohort of Individuals Dependent on Knee-Ankle-Foot Orthoses for Ambulation (C18E)

Tyler Klenow, MSPO, MBA, CPO, FAAOP

Early COVID-19 policy has been correlated with reduced physical activity by multiple reports. A crossover study comparing the efficacy of the C-Brace to traditional KAFOs was being conducted during this time and provided a unique opportunity to compare mobility outcomes before and after isolation. Results from the affected cohort as well as contrasting results per orthosis condition will be presented.

Improvement in Fast Walking Speed and Daily Step Counts: Interim Results from the International C-Brace Registry (C18F)

Russell Lundstrom, MS

A prospective, multicenter registry was designed to gather real-world safety and effectiveness data from patients that have been fitted with a C-Brace. The purpose of this interim analysis of registry data was to determine the effect of C-Brace utilization on walking speed and step activity after 12-months of wear. A secondary purpose was to determine to what level results correlate in improving or declining subjects.

Questions and Discussion

10:30am – Noon

3D Printing In Prosthetics: Common Concerns and Clinical Applications (C19)

Jeff Erenstone, CPO

Sean McClure, BME, ME

David Rotter, CPO

Brent Wright, CPO

This combined prosthetic and digital O&P care session will focus on socket strength, digitally modifying and reprinting the flexible inner socket to address fit issues, and other important applications that practitioners should be aware of.

10:30am – Noon

Prosthetic Free Papers—Upper Extremity (C20)

Improving Prosthetic Hand Control with High Amplitude EMG from RPNIs and Implanted Electrodes (C20A)

Alex Vaskov, PhD

In a clinical trial, four patients have had intramuscular electrodes implanted into Regenerative Peripheral Nerve Interfaces and remaining muscles for improved prosthetic hand control. This presentation will focus on the EMG

signal quality from the implanted electrodes seen across all four patients its implications as an interface for accurate and reliable device control.

The Coffee Task: An Assessment of Multi-Grip Upper Limb Prosthetic Performance (C20B)

Deanna Gates, PhD

Alicia Davis, MPA, CPO, FAAOP

We presented a new functional assessment, the Coffee Task, which is specifically designed to measure performance related to grasp transitions during multi-articulating prosthesis use. With healthy emulator users, we demonstrated that the Coffee Task has high inter-rater reliability, demonstrated known-group difference and convergent validity, and responsiveness to training.

Algorithmic Two-Site Selection for Upper-Limb Myoelectric Prosthetic Control (C20C)

Kevin Lawrence, Research Engineer

This presentation discusses the development and testing of the OptiMyo system. The system uses a matrix of electrodes and an algorithm to select the optimal sites and control strategy for 2-site upper-limb myoelectric prosthetic control. The system was tested against traditional site finding methods using a measure of EMG skill.

Game-Based Myocontrol Practice for Improving Pattern Recognition Performance (C20D)

Zachary Wright, PhD

Encouraging upper-limb myoelectric prosthesis wearers to vary their muscle activity patterns when training their pattern recognition control system can often improve motion classification performance. One way to do this is to have wearers play virtual games which can simulate realistic prosthesis use conditions they encounter every day. We investigate whether adapting wearers' pattern recognition controller based on their muscle activity patterns recorded during virtual gameplay can improve motion classification performance across days of myoelectric control practice.

Hand Surgeon Understanding of Partial Hand Prostheses: Results of a National Survey Study (C20E)

Chris Baschuk, MPO, CPO, FAAOP(D)

Hand surgeons have varying degree of familiarity with contemporary partial hand prosthetic rehabilitation. Prosthetists have the opportunity to bridge this knowledge gap and improve the outcomes for individuals with partial hand loss or difference by encouraging surgeons to consider the available prosthetic options when making surgical decisions regarding amputation length and type.

Ratcheting Prosthetic Fingers Significantly Improve Outcomes For People With Partial Hand Amputation (C20F)

Ben Pulver, MEng

This study provides quantitative data demonstrating the benefits of partial hand prostheses. These data can be used to improve insurance authorization requests and regulatory submissions. Additionally, this study identified a possible need for a task-based outcome measure more tailored to the partial hand population.

Questions and Discussion

Saturday, September 9 (Continued)

1:00 – 2:30pm

Nerve Injuries in the Population with Amputation (C21)

Brandon S. Smetana, MD, FAAOS

Kathryn M. Peck, MD

This session will discuss nerve injuries in upper and lower extremities, how the patient describes the pain or feelings commonly encountered, things or principles to try prosthetically, and surgical solutions. We will also address how prosthetists can navigate the relationship with the physician and how to approach issues with the patient.

1:00 – 2:30pm

Powered Components: Current Applications and Future Possibilities (C22)

Matt Wernke (Moderator)

Andreas Kannenberg, MD (GER), PhD

Elliott Rouse, PhD

Alex Albury, CPO

Significant investments from industry and government have led to the development and commercialization of powered components, particularly for the lower extremity prosthesis. These technologies may offer significant benefits for patients, but how do you best identify those patients and implement the technology into their care. As the field moves forward, how will these technologies evolve to meet the unmet needs?

1:00 – 5:00pm

Special Hands-on Post Show Workshop

Hands-on Osseointegration (OI) Workshop: The 2023 Ultimate Guide to Bone-Anchored Limb Prosthetics (C23)

Chris Hoyt, CPO

Bone-anchored limb prosthetics is a transformative solution for patients who are unsuccessful, for a variety of reasons, with traditional socket prostheses. As more persons with limb-loss undergo this high-risk, high-reward procedure, prosthetists interested in caring for this subset of clients must be educated on the numerous facets of this fascinating option.

This in-depth four-hour hands-on presentation will provide prosthetists with the knowledge to care for patient who have undergone either screw-fit or press-fit implantation, via lecture, demonstrations, and patient interaction.

The goal is to offer the most current state-of-the-science information, to instill confidence in the prosthetist interested in working with osseointegrated clients, as well as sharing advanced concepts to those already experienced with bone-anchored systems. *Ticket Required \$50.*

2:45 – 5:00pm

O&P Free Papers – Upper Extremity Orthotics and General Topics (C24)

Improved Dash Outcome Measure In Chronic Stroke After Myoelectric Arm Orthosis Use At Home: A Retrospective Study (C24A)

Sarah Chang, PhD

A myoelectric arm orthosis can restore function in the upper limb by providing rigid support to the weak arm and powered movement to assist the hand and elbow. We conducted a retrospective study to determine the outcomes and clinical benefits provided by the MyoPro in individuals with upper limb impairment due to stroke.

Myoelectric Orthosis Assists Functional Activities in Individuals With Upper Limb Impairment After 3-Months Of Home Use (C24B)

Jonathan Naft, CPO

A myoelectric arm orthosis has been shown to improve motor control and user-reported function and independence in individuals post-stroke. We conducted a study to observe the functional gains in completing functional tasks with and without the MyoPro in individuals with upper limb impairment due to stroke.

Potentially Inappropriate Medication Use Among Adults with Lower-Limb Loss: A Beers Criteria-Based Study (C24C)

Samantha Stauffer, CPO, MSOP

As we age, our body may become more sensitive to specific medications—due to this, the American Geriatrics Society has identified medications whose risks outweigh the benefits for older adults, known as the Beers Criteria. This study identifies potentially inappropriate medications frequently used by older adults with lower-limb loss which may exacerbate adverse health outcomes.

Increasing Skill Transference of Prosthesis Training In Augmented Reality (C24D)

Christopher Hunt, PhD

Despite the growing interest in augmented reality (AR) as a modality for prosthetic training, there is mixed evidence on its effectiveness in translating the motor skills learned in a virtual environment to those required for real-world prosthesis use. In this work, we explore the effect that limb loading has on the efficacy of AR prosthesis training for an individual with upper-limb loss.

Skin Assessment on People of Color In Prosthetics And Orthotics (C24E)

Cody McDonald, PhD, MPH, CPO

Gabby Richardson, CP

Darker skin tones are currently underrepresented in orthotic and prosthetic (O&P) clinical education. To address this issue, we are developing an evidence-based digital handbook that includes images and descriptions of various skin problems as they appear on darker skin tones. We will share the development and implementation of the project and provide the opportunity for O&P community members to get involved.



Saturday, September 9 (Continued)

Characteristics of Protheses and Orthoses Device Users Utilizing ADA Paratransit Service (C24F)

Caitlin Bowman, BS, MSPO Student

We all have had the experience of a patient who has sat in our waiting room for hours waiting for their ride to arrive, or patients showing up hours late to their appointment due to transit struggles, and the frustrations this brings. This paper and presentation aims to describe O&P patient subpopulations who are most reliant on ADA paratransit services to get to appointments, and how this might impact their ability to be compliant with O&P care.

Perceived Hazard Exposure and Accommodation While Pregnant and Not Pregnant in Orthotic & Prosthetic Employees(C24G)

Sophia Mancini, MSPO

O&P is vastly growing among the female population, leading to more potential for clinicians or technicians to become pregnant while employed. This research compiles information from females regarding what accommodations they may have requested during pregnancy, their awareness of their rights in the workplace, and their perceived exposure to 9 known hazards in the field while pregnant and not pregnant.

Questions and Discussion

2:45 – 5:00pm

Interprofessional Community Reintegration for Patients with Upper or Lower Limb Loss: Life Hacks for Prosthetic Wearers (C25)

Renee Vanveld, PT, DPT

Upper and lower limb prosthetic wearers encounter many barriers to re-entering their communities. Physical and occupational therapists are trained to focus on these functional goals as part of plan of care development. This presentation will cover life hacks for everyday situations including parking lots, shopping, and flying.

Contests



Technical Tips & Tricks Contest

All technicians and fabricating practitioners have been invited to share a 3-minute video showcasing their fabricating tip or trick. We invite you, the audience, to cast your vote for the winner. First, Second and Third Place prizes will be awarded.

O&P Digital Care

FRIDAY

SEPTEMBER 8

10:30 – 10:55am

AFO Shape Capture Techniques and a Weight Bearing Scanning Platform for Improved Shape Capture for High Activity Ankle-Foot Orthoses (D1)

Richard Miltenberger, Jr, CPO

Gary Wall, CPO

This presentation will cover methods and discoveries in the area of 3D scanning for AFOs, as well as their digital manipulation. See results from our fittings and learn a new technique of scanning the patient while weight bearing.

10:55 – 11:20am

The Impact Of Sensor Technology On Bracing Outcomes For Knee Osteoarthritis: A Randomized Clinical Trial (D2)

Andrew McDaid, BE(Hons), PhD

Freeborn Mondello, DPT

This presentation will cover a randomized controlled clinical trial investigating the impact of sensors and a remote patient monitoring platform on medial off-loader bracing outcomes in individuals with knee osteoarthritis. We will discuss the subjective symptomatic changes experienced by participants and the difference in their objective physical measures.

11:20 – 11:45am

Implementing and Incorporating a Digital Workflow and Additive Manufacturing in an Orthotics Practice: An Ongoing Journey (D3)

Dan Blocka, CPO

Learn from one facility's journey to implement a digital workflow and additive manufacturing into their O&P practice.

2:00 – 2:25pm

Benefiting From Real-World Quantitative Data: Remote Activity Evaluation of Lower Limb Prosthetic Users (D4)

Vanessa Carvalho, CPO

This presentation will demonstrate and educate attendees on the possibility of using remote data acquisition techniques for the continuous evaluation of prosthetics users in combination with the data collected when utilizing validated patient outcome measures designed for use with amputees. Broad aspects of this technique will be introduced, along with specific case studies derived from its application.

2:25 – 2:50pm

How Your Current Software Can Help You Participate In The LLPR (D5)

Chad Feinberg, MS

Jenn Rosati

Our talk will help attendees to learn how their current software can help them participate in the Limb Loss Preservation Registry (LLPR). This will allow them to drive better outcomes through providing key data needs, as well as tools for patient education and self-advocacy. The partnership between Nymbi Systems and the LLPR will enable patients to get better care with the data participants are able to collect.

2:50 – 3:15pm

Multi-Lingual Evaluation of Patient Outcomes Using Mobile App Technology (D6)

Sarah Chang, PhD

David Boone, PhD

Language barriers can make it difficult for a patient to fully convey their health concerns to their provider and for the provider to understand the patient's needs. The latest advancement in the digital collection of patient outcome measures will be presented and how switching between patient-preferred and provider-preferred languages can reduce communication barriers and increase understanding between patients and providers.

3:45 – 4:10pm

From Scan to Print in Prosthetics: A Digital Process for 3D Printed Diagnostic and Definitive Sockets (D7)

Jiri Rosicky, ME, PhD

A real end-to-end use-case of 3D scanning and 3D printing digital technology presented on a transtibial diagnostic and definitive prosthetic sockets. Understand the benefits that this process offers both to patients through improved comfort and to O&P clinical facilities through increased efficiency while achieving financial and operational sustainability.

4:10 – 4:35pm

Aether Digital Platform: The Role of Cloud-Based Software to Enhance Data Efficiency in Myoelectric Hands (D8)

Sarra Mullen, CP

The Aether Digital Platform is a revolutionary web-based software that amplifies the capabilities of a multi-articulating myoelectric hand by connecting it to the digital ecosystem. This platform includes remote patient monitoring, remote configuration of a bionic hand and so much more. Come see how the integration of machine learning, AI, and IoT technology can help clinicians deliver data-driven decisions.

Friday, September 8 (Continued)

4:35 – 5:00pm

Going Digital with Digits (D9)

Chris Baschuk, MPO, CPO, FAAOP(D)

Jeff Soelberg

Partial hand prosthetic sockets have historically looked like leg sockets fit on hands. By applying the principles of design for additive manufacturing (dFam) it is now possible to provide individuals with partial hand/finger loss or difference with a prosthesis that is truly designed and constructed for the unique anatomy that each of them presents with.

SATURDAY

SEPTEMBER 9

9:15 – 9:35am

Benefits of a Simulation Model for Digital Manufacturing in the O&P Industry (D10)

Benjamin Groeschel, MEng

Bianca Weber, MEng, MBA

A multiparty research project that is showing the various workflow steps for using FEA to test an orthosis.

9:35 – 9:55am

A Digital Process to Replicate the Socket and the Foot Alignment in Below Knee Running Specific Prostheses (D11)

Andrea Cutti, MEng, CPO, PhD

Maria Grazia Santi, MEng

The workflow proposed addresses an unsolved issue in the construction of sport prostheses: finding a way to successfully reproduce socket-foot alignment in below knee running specific prostheses. The outcome obtained proved the procedure to be a reliable method, since it was successfully adopted to replicate 5 athletes' socket-blade alignments, all characterized by different sport blades with different length and curvatures, also meeting specific athletes' modification requests performing correction in a very controlled manner.

9:55 – 10:15am

Real World Objective Outcome Measures Through the Use of Wearables for Remote Monitoring in Orthotics and Prosthetics (D12)

Dennis Clark, CPO

Angela Presley, PhD

With the advent of remote monitoring reimbursement codes, wearable sensors have become more common in the treatment of patients with a variety of conditions. The field of O&P inherently includes devices that could easily be equipped with monitoring features, allowing referring physicians, physical therapists and other members of the treatment team to remotely monitor patients for physical activity and other indications of health/wellness. In this talk we will provide practical tips for integrating wearable monitoring technology, including an example system developed specifically for use with orthoses and prostheses.

10:30am – Noon

3D Printing in Prosthetics: Common Concerns and Clinical Applications. (D13/C19)

Jeff Erenstone, CPO

Sean McClure, BME, ME

David Rotter, CPO

Brent Wright, CPO

This combined prosthetic and digital O&P care session will focus on socket strength, digitally modifying and reprinting the flexible inner socket to address fit issues, and other important applications that practitioners should be aware of.

Noon – 2:00pm

O&P Digital Care Showcase (D14)

Back by Popular Demand! The O&P Digital Care Showcase will be a hands-on event to learn about computer-based 3D design software tools utilizing a provided prosthetic and/or orthotic patient case (the patient file, 3D scan, and positive model), exhibitors will present a fabricated mold, device, or 3D print.



**REGISTRATION
NOW OPEN!**
.....
**WE CAN'T WAIT
TO SEE YOU!**

Pedorthic Education

THURSDAY

SEPTEMBER 7

10:30 – 11:15am

Do Shoe Modifications Work and Do They Have a Role in Modern Pedorthics? (P1)

Erick Janisse, CO, CPed

Hear the ins and outs of shoe modifications and their potential role in modern pedorthics.

11:15am – Noon

Shoe Modifications Tips & Tricks (P2)

Dennis Janisse, CPed

Learn tips and tricks for shoe modifications.

2:00 – 2:45pm

Heel Pain: Not Just Plantar Fasciitis (P3)

Seamus Kennedy, BEng, CPed, FAAOP(A)

Heel pain is one of the most common reasons people seek podiatric care. However, plantar fasciitis is only one cause of this complaint. This talk reviews plantar fasciitis and several other pathologies, and also discusses orthotic and pedorthic treatment options for heel pain.

2:45 – 3:30pm

Rocker Sole Theory, Indications and Application (P4)

Seamus Kennedy, BEng, CPed, FAAOP(A)

Rocker soles are a great way to augment limited joint motion, relieve foot pain and restore smooth gait characteristics. Learn about the benefits and concerns of different rocker designs, and when each is best used.

3:45 – 5:15pm

Live Demo: Rocker Sole Modifications (P5)

Dennis Janisse, CPed

Learn modification tips during this live demo.

FRIDAY

SEPTEMBER 8

10:30am – Noon

Diabetic Foot Ulcer (DFU) Consortium (DFC): Orthotics in Prevention and Management of DFU (P6/C10—combined orthotic and pedorthic session)

Sashwati Roy, PhD (Chair)

Chandan Sen, PhD

Gayle Gordillo, MD

Whitney Pratt, MD, PhD

Up to 34% of people with diabetes will develop a foot ulcer in their lifetime and half of foot ulcers become infected. Each year about 100,000 Americans with diabetes will lose part of their lower limb because a foot ulcer becomes infected or does not heal. The Diabetic Foot Consortium (DFC), funded by the National Institutes of Health, is the first-ever multicenter network to study diabetic foot ulcers. The ongoing studies at DFC focus on development of DFU biomarkers. Offloading measures using personalized Orthotics devices are Critical part of management strategies for modulating excess pressure to prevent development of diabetic foot ulcers (DFUs),

Such approaches are also key in preventing re-ulceration. This session will discuss clinical research initiatives at the DFC clinical network. Clinical guidelines of offloading methods in prevention of primary diabetic foot ulcers and the recurrences of healed ulcers will also be discussed.

2:00 – 2:30pm

The Manufacture of Therapeutic Footwear (P7)

Brian Lane, CPed

Footwear manufacturing entails many steps, and we will review a few methods to create those shoes.

2:30 – 3:15pm

The Design and Manufacture of Custom Footwear (P8)

Seamus Kennedy, BEng, CPed, FAAOP (A)

In this session, you will learn:

- ▶ the various manufacturing methods and the advantages and disadvantages of each.
- ▶ the steps to make shoes through the Strobel method.
- ▶ the designs to look for in quality footwear.

3:30 – 4:00pm

Relasting as an Alternative to Custom Shoes (P9)

Erick Janisse, CO, CPed

Gain the ultimate understanding of relasting and learn to dramatically change the size and shape of footwear.

4:15 – 5:15pm

Live Demo: Relasting (P10)

Dennis Janisse, CPed

See a step-by-step demo of Relasting and learn to provide an ideal shoe fit.

SATURDAY

SEPTEMBER 9

9:15 – 9:45am

The TSPD at 30 (P11)

Brian Lane, CPed

With the Therapeutic Shoes for Persons with Diabetes now 30 years old, how far have we come? Have we improved the quality of life for people with Diabetes? What do the stats say?

9:45 – 10:30am

Wedges, Flares and Buttresses: Indications and Applications (P12)

Erick Janisse, CO, CPed

Review various shoe modifications such as wedges, flares and buttresses.

11:00am – Noon

Live Demo: Wedges, Flares and Buttresses (P13)

Dennis Janisse, CPed

Join us for a live demonstration of various shoe modifications.

Technical Fabrication

THURSDAY

SEPTEMBER 7

10:30am – Noon

Veterinary O&P: Fabrication Considerations for our Domestic, Farm and Wildlife Friends (T1)

James Alaimo, CPO

There is an increased interest from human practitioners and technicians in Veterinary Orthotics and Prosthetics. The veterinary world consists of two and four-legged animals and winged birds. Different considerations for each type should be applied to achieve the best possible outcome. This presentation provides an overview of fabrication types, techniques, materials, and component selection when providing O&P services to domestic, farm and wildlife animals.

2:00 – 3:00pm

3-D Imaging Laminations (T2)

Steve Werkheiser, CTPO

Review a technique to create a custom 3-D carving of a screen print t-shirt image or fabric. Incorporating the removable carving into the lamination allows the option of installing LED lights and/or a sound module.

3:15 – 4:15pm

Utilizing Technology: Foam Carvings in O&P (T3)

Thomas Benton, ISO Technologies

Chris Mower, BSE, CPO

Utilizing Technology: Foam Carvings in O&P” is a technical explanation on how to use foam carving technology to make patient-ready devices. The presentation will include the different process steps needed from the physician and manufacturer in order to properly utilize the technology. Additionally, the presentation will include an analysis of the pros and cons of using foam with a look at the total landed cost of foam.

4:15 – 5:15pm

Safety Standards and Health Applies to Everyone—Protect Your Team (T4)

Niles Leonard

Establishing a safety standard for orthotic and prosthetic fabrication, including identifying specific environmental, chemical, and airborne hazards, and the machinery and protocol to control the negative effects. Then how and where to implement this machinery into a large facility without disturbing the building's exterior envelope.

FRIDAY

SEPTEMBER 8

10:30am – Noon

Sewing Machine Maintenance and Repair (T5)

Patrick Dommange, Landis International

Receive tips, and strategies to maintain your commercial sewing machine as well as demonstrations to make basic repairs.

2:00 – 3:00pm

Plaster Talk (T6)

Michael Intorcia

Learn the ins and outs of working with plaster.

3:00 – 3:30pm

Lest We Forget the Basics (T7)

Mark Taylor, MLS, CPO

Scott Taylor, COT

The lack of proper design in the fabrication of custom plastic KAFOs leads to failure in the structure of the KAFO system as well as leading to complications patients are subject to causing a degree of instability and safety.

3:45 – 5:15pm

Hands on Metal Bending Course (T8)

Thomas Becker, VP Sales, Becker Orthopedic

Brad Mattear, LO, COA, CPO

Sean McKale, CPO

Derek Tall, CTPO

Rodger Broick, Technician

After an overview of metal bending, join us in small groups to give it a try. Whether you are new to the metal bending process or want a refresher—this course will give you the opportunity for a close up review or an opportunity to give it a try.

SATURDAY

SEPTEMBER 9

9:15 – 10:15am

Technical Tips and Tricks (T9)

All technicians and fabricating practitioners have been invited to share a 3-minute video showcasing their fabricating tip or trick. We invite you, the audience, to cast your vote for the winner. First, Second and Third Place prizes will be awarded.



10:30am – Noon

Alternative Fabrication Methods in Developing and War-Torn Countries (T10)

Jeff Erenstone, CPO

Brock McConkey, CPO

Brent Wright, CPO

Jack Richmond, CTPO (invited)

Jon Batzdorff, CPO

This session will highlight device fabrication methods being utilized in developing and war-torn countries.

1:00 – 2:30pm

Technical Free Papers (T11)

Overlooked Considerations for AFO Fabrication (T11A)

Stephanie Langdon, MS, CPO, FAAOP

Order forms ask for specific information for the fabrication on a custom item. There are additional considerations that can be included to help to create a successful outcome for the patient and practitioner.

Material Science Elements of Extruded Polypropylene Structural Sheet Materials in Lower Extremity Orthoses (T11B)

Gary Bedard, CO, FAAOP(D)

It has long been recognized that the extrusion process utilized to manufacture sheet stock suitable for vacuum thermoforming imparts an orientation to the polymer structure. The orientation can result in shrinkage in the finished clinical device. New material testing results indicate that there is not only an orientation differential but also a stiffness or flexural modulus differential between the extruded machine direction and the transverse direction in the sheet stock. The clinical advent of tuning AFOs for a patient should also respect fabrication tuning for the best outcome in the custom device. A primer on the polymer structure and the physical characteristics based on the new findings will be presented.

Post Breast Surgery Care

Join us for a two-day, in-depth program featuring Post Breast Surgery Care from A to Z.

WEDNESDAY

SEPTEMBER 6

8:00 – 10:00am

Compression: The WHO, WHAT, WHEN and WHY! (PBS1)

Caroline Piney

Learn who benefits by the use of medical compression, the science of compression, when it is used and what to expect out of the therapy.

10:30 – 12:30pm

Amoena Manufacturer Workshop: “Supporting Confidence Through Innovation” (PBS2)

Rachel Brown, CFm

Learn about the latest innovations in silicone breast forms and textiles through this interactive session. We will detail Amoena technology that has been carefully crafted to support women affected by breast surgery of all types. During this workshop you will have the opportunity to handle the latest products from Amoena, and learn how to use them to fully support your customers' confidence, no matter what surgery she has had.

12:30 – 2:00 pm

Lunch on your own

2:00 – 4:00pm

ABC Custom Breast Prosthesis: What's In It For You? (PBS3)

Nikki Giamarino, CFm

From billing/reimbursement to product options and successful selling techniques to demonstration, this session will have you asking why you have yet to jump on the custom wagon! Have you wondered if custom is right for your business? Join American Breast Care custom breast prosthesis team members for an interactive session where you can see, touch, and feel product options, try your hand at scanning, learn what tools are available to you to market custom, and test your knowledge regarding reimbursement.

4:30 – 5:30pm

Adding Post Breast Surgery Care to your O&P Practice (PBS4)

Lesleigh Sisson, CFo, CFm

Tammy Franklin, CFm

Looking for new revenue streams? Learn the considerations and benefits of adding Post Breast Surgery Care to your O&P practice.

THURSDAY

SEPTEMBER 7

10:30 – Noon

Lymphedema and the Role of Compression Therapy (PBS5)

Caroline Piney

Cheri Raimonde, PT, DPT

Tanya Baer, CFo, CFm, Moderator

Lymphedema is a chronic and progressive disease. Proper compression garment selection is essential to patient compliance and will prevent progression of the disease.

2:00 – 3:30pm

Fitting for Success (PBS6)

Rachel Brown, CFm

Nikki Giamarino, CFm

- ▶ Overcoming fitting room obstacles and challenges
- ▶ Essential documentation in the fitting room
- ▶ Measuring Methods; Standard and Real Life
- ▶ Objective fitting tips for effective fitting

3:45 – 4:45pm

Medicare LCD and the Lymphedema Treatment Act (PBS7)

Lesleigh Sisson, CFo, CFm

Join your colleagues for this informative session where we will discuss Medicare policy specifics on documentation requirements, coding guidelines that support medical necessity and the new Lymphedema Treatment Act.

4:45 – 5:15pm

Certification Update—An Interview with the O&P Almanac (PBS8)

Josephine Rossi

Deborah J. Curtis, RN, CFo, CFm

Judi Knott, MBA, CAE

Join us for a news style interview lead by the *O&P Almanac* editor, Josephine Rossi, to learn what's on the horizon for certification. Special guests include ABC's Jim Lawson and BOC's Judi Knott.

Keep learning! The virtual program will be available
September 20 — November 20, 2023.

Exhibitors and Sponsors

Learn about the newest products, latest services and the most innovative technology at the 2023 National Assembly. The Exhibit Hall offers more exhibitors, components, devices, tools, supplies, and services than any other show of its kind in the US. For the most up-to-date list of exhibitors, show specials, product categories, websites, and social media links, visit www.AOPAassembly.org.

Bold listings indicate the exhibitor is a member of the American Orthotic & Prosthetic Association

● new exhibitors for 2023

Exhibitors as of 5/15/23

Acor Orthopaedic, LLC
 Adapttech
 Aether Biomedical
 Allard USA
 All Claim by Ottobock
 Alps South LLC
 Alternative Prosthetic Services Inc.
 American Academy of Orthotists and Prosthetists (AAOP)
 American Board for Certification in Orthotics, Prosthetics & Pedorthics (ABC)
 American Breast Care
 American Central Fabrication
 American Prosthetic Components LLC
 Amoena
 Anodyne
 Apis Footwear Company
 ARTech Laboratory Inc.
 Aspen Medical
 Becker Orthopedic Appliance Co.
 ● Billy Footwear
 BioSculptor Corporation
 Blatchford
 Board of Certification /Accreditation (BOC)
 ● Bowman Medical International
 Brainrobotics
 Bulldog Tools Inc.
 Cailor Fleming Insurance
 Cascade Orthopedic Supply, LP
 CBS Medical Billing & Consulting LLC
 Coapt LLC
 College Park Industries
 Comb O&P
 Comfort Products Inc.
 ● Coretech Orthopedics
 Coyote Prosthetics & Orthotics
 Curbell Plastics Inc.
 Cypress Adaptive
 Danmar Products Inc.
 DAW Industries Inc.

DME MAC Medicare Contractors
 ● EastPoint Prosthetics & Orthotics
 Elevate Movement
 Enovis
 ● Ethnocare
 ● Fabco Prosthetics Design
 Fabtech
 Fillauer
 Formlabs
 Friddle's Orthopedic Appliances Inc.
 Grace Prosthetic Fabrication Inc.
 Hanger Inc.
 Hitek Fabrication
 HP 3D Printing
 ● Indiana Center for Regenerative Medicine & Engineering
 Infinite Biomedical Technologies
 Integrum Inc.
 International Institute of Orthotics and Prosthetics (IIOP)
 Invent Medical USA, LLC
 ● Juzo
 Kinetic Research Inc.
 KISS Technologies LLC
 ● Landis International Inc.
 LaunchPad O&P
 ● Limb Loss and Preservation Registry
 Lindhe Xtend Inc.
 ● Lubrizol 3D Printing Solutions
 Martin Bionics
 Mecuris GmbH
 Monetek
 Naked Prosthetics
 NCOPE
 New Step Orthotic Lab Inc.
 Northwestern University
 Prosthetics-Orthotics Center (NUPOC)
 ● NuTech Synergies LLC
 Nymbi
 O&P Insight
 OPAF and The First Clinics
 OPIE Software
 Orfit Industries
 OrthoFeet Inc.
 Orthomerica Products Inc.
 Orthotic & Prosthetic Group of America (OPGA)
 Orthotic Holdings OHI
 ● Orthotica Labs
 Osskin Ortho Inc.
 Össur Americas Inc.
 Ottobock
 Paceline
 PVA Med
 PEL
 ● Pes Sem Dor
 Point Designs
 PROTEOR
 Prudential Billing & Consulting
 PSYONIC Inc.
 Renia GmbH
 Rodin4D
 Royal Knit
 ● Sanford Health
 Spinal Technology Inc.
 SPS
 ST&G USA Corp.
 SteeperUSA
 Steps of Faith Foundation
 ● Structure
 Surestep
 Tamarack HTI
 Techmed 3D Inc.
 Thermo-Ply Inc.
 Thrive Orthopedics
 Thuasne USA/Townsend Design
 ● Tianjin Tairuibosi Medical Appliance Co., Ltd
 Tillges Technologies
 Turbomed Orthotics
 ● University of Pittsburgh-School of Medicine
 ● Victoria Hand Project
 Vorum
 WillowWood
 Xtremity

Title Sponsors

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Special Events



WEDNESDAY | SEPT. 6

Welcome to Indy TAILGATE PARTY

5:30 – 7:30 pm

Kickoff your Assembly experience at the “Welcome to Indy Tailgate Party.” Enjoy refreshments, entertainment, and networking. We are delighted to host the Indiana University Wheelchair Adaptive Sports Basketball team.

*This event is included with your full conference registration.
Bring a guest for \$45.*

THURSDAY & FRIDAY | SEPT. 7 & 8

Networking Break

IN EXHIBIT HALL

9:00 – 10:30am

After the morning general session, enjoy a beverage during our networking icebreaker. Interact with like-minded attendees by filling up a cup labeled with the conversation you are most interested in. Examples include Advocacy, O&P

Digital Care, Research, Business & Regulatory, Technical Fabrication or Clinical Care. Can't decide? That's okay, you will have the opportunity for a different conversation during the Friday morning break.

These events are included with your full conference registration.



THURSDAY | SEPT. 7

Happy Hour

IN EXHIBIT HALL

5:30 – 6:30 pm

Meet up in the exhibit hall after a busy day of learning and networking for the exhibitor sponsored Happy Hour. This pub crawl style event will have an interesting turn at every aisle. Partake in the remote-control race car challenge.

This event is included with your full conference registration.



FRIDAY | SEPT. 8

Professional Women in O&P Luncheon

Noon – 1:30 pm

Women registering for the 2023 Assembly are invited to join us for a special event acknowledging the contributions and advancements of women in O&P. The program offers women a casual opportunity to network and learn from other successful female professionals. Join us for lunch, a stellar program and lots of fun. Proceeds go to *So Kids Can Move*. Space is limited. *Ticket Required \$25.*



FRIDAY | SEPT. 8

Reception to Benefit *So Kids Can Move* Initiatives

6:00 – 8:00pm | NCAA Museum

Join your colleagues along with AOPA, the Amputee Coalition, AAOP and NAAOP as we support and celebrate the state-based initiative, *So Kids Can Move!*

The goal is to both raise awareness and expand access to recreational prostheses as medically necessary healthcare for children on a state-by-state basis. It is the hope that, *So Kids Can Move* will improve access to the health and social benefits of physical activity for children who need appropriate, evidence-based prosthetic care. Landmark legislation has already been passed in two states and we are building on that success, expanding access, state-by-state.

Support raised at this event will go towards creating national awareness of the initiative, support any research and data gathering needed to inform our policy position, support targeted awareness building within states that are ideal candidates for introducing legislation, as well as state-specific policy briefings and advocacy trainings for practitioners, patients, and other key constituents...just to name a few.

This dynamic reception will be held at the National Collegiate Athlete Association (NCAA) Hall of Champions. You will get to experience two-levels of interactive exhibits that create a true-to-life understanding of what it takes to make the grade. Don't miss this unique opportunity to support an important cause.

Ticket Required \$50 (per person, available as part of the registration process.)



SATURDAY | SEPT. 9

O&P Digital Care Showcase

Noon – 2:00pm

Back by Popular Demand!

The O&P Digital Care Showcase will be a hands-on event to learn about computer-based 3D design software tools utilizing a provided prosthetic and/or orthotic patient case (the patient file, 3D scan, and positive model), exhibitors will present a fabricated mold, device, or 3D print.

This event is included with your full conference registration.

SATURDAY | SEPT. 9

Hands-on OI Workshop

The 2023 Ultimate Guide to Bone-Anchored Limb Prosthetic

1:00 – 5:00pm

Bone-anchored limb prosthetics is a transformative solution for patients who are unsuccessful, for a variety of reasons, with traditional socket prostheses. As more persons with limb-loss undergo this high-risk, high-reward procedure, prosthetists interested in caring for this subset of clients must be educated on the numerous facets of this fascinating option.

This in-depth four-hour hands-on presentation will provide prosthetists with the knowledge to care for patient who have undergone either screw-fit or press-fit implantation, via lecture, demonstrations, and patient interaction.

The goal is to offer the most current state-of-the-science information, to instill confidence in the prosthetist interested in working with osseointegrated clients, as well as sharing advanced concepts to those already experienced with bone-anchored systems. *Ticket Required \$50.*



Manufacturers' Workshops

WEDNESDAY

SEPTEMBER 6

Tier A

8:00 – 10:00am

(2 Hour Workshops)

The following Tier A workshops run concurrently within this track.

Digital Design, Fabricate and Fit Patients Anywhere Using Össur Socket Solutions

Presented by: Össur Americas Inc.

Performance of AFOs on a Post-Stroke Hemiplegic Population

Presented by: Thuasne USA/Townsend Design

100 Years of Knit-Rite: Supporting Patients from WWI to Modern Day

Presented by: Thuasne USA/Townsend Design

Are you Sure your Facility is Compliant?

Presented by: American Board for Certification in Orthotics, Prosthetics & Pedorthics

The PROTEOR QUATTRO Microprocessor Knee (includes patient fitting)

Presented by: PROTEOR

Next-Generation 3D Scanning intelligence—Foot Measurements With or Without a Sensor

Presented by: Structure

The Future of CAD/CAM Software: Personalized Workflow and Mass Customization, The Next Generation of Rodin4D Software

Presented by: Rodin

Improved Experience in Upper Limb

Presented by: Naked Prosthetics

Casting, Alignment, and Fabrication of Partial Hand Sockets for Point Designs Prosthetic Fingers

Presented by: Point Designs

The PROTEOR Ankle Portfolio Featuring the Kinnex 2.0 Microprocessor Ankle and the Kinterra Mechanical Ankle (includes Patient Fitting)

Presented by: PROTEOR

Tier B

10:30am – 12:30pm

(2 Hour Workshops)

The following Tier B workshops run concurrently within this track.

Restoring Lost Function with Power Knee and the All New Waterproof Proprio Foot

Presented by: Össur Americas Inc.

Socket Selection Criteria and Alignment Considerations

Presented by: Alps South LLC

Facilitating Function: Effective Orthotic Intervention and Follow Up

Presented by: Surestep

Digital Workflow Innovations To Support Your Clinical Success

Presented by: Vorum

Research on Early Ambulation and the Many Psychological and Physiological Benefits

Presented by: Allard USA

Post Stroke Rehabilitation: Physical Therapy and Orthotic Intervention Protocols

Presented by: Allard USA

Dynamic Modular Bracing—"What You Need to Know"

Presented by: Fabtech Systems

Fitting and Fabricating with Confidence

Presented by: Fillauer

Patient-Centric Marketing: A Complete Care Team Approach

Presented by: Naked Prosthetics

Successfully Fit Your New Amputees' Sockets with Confidence: Solutions for Managing Volume Changes—Amparo Prosthetics Inc.

Presented by: NuTech Synergies LLC

Tier C

2:00 – 4:00pm

(2 Hour Workshops)

The following Tier C workshops run concurrently within this track.

Xtern Summit and Frontier: New AFO from Turbomed!

Presented by: Turbomed Orthotics

A Painless Path for OA treatment: Thuasne USA's Consolidated OA Range Explained

Presented by: Thuasne USA/Townsend Design

Seeking Stability and Sensory Input in the Sagittal Plane: Surestep AFO Solutions for Functional Outcomes

Presented by: Surestep

Learn How to Scan for Prosthetics and Orthotics Using a Cell Phone and Adjustable Fixture

Presented by: Comb O&P

Blatchford's Latest Transfemoral Developments

Presented by: Blatchford

Introducing the Second Generation Talee Cranial Orthosis

Presented by: Invent Medical USA, LLC

Optimizing Gait Kinematics With High Performance Orthotic Ankle Components

Presented by: Becker Orthopedic Appliance Co.

New Innovations in Upper Limb Prosthetics (includes TASKA certification)

Presented by: Fillauer

XtremityTT: Use, Practice and Experience with New Polymer Socket Technology

Presented by: Xtremity

ORTEN CAD...An Introduction

Presented by: PROTEOR

Tier D

4:30 – 5:30pm

(1 Hour Workshops)

The following Tier D workshops run concurrently within this track.

Innovative Partial Hand Solutions—Linking Surgical Intervention with Prosthetic Solutions

Presented by: Össur Americas Inc.

SteeperUSA's Myoelectric System featuring the Espire Elbow and the Myo Kinisi Hand

Presented by: SteeperUSA

Getting Started with 3D Printing in Prosthetics

Presented by: Invent Medical USA, LLC

A Fully Functional Prosthetic Socket in Less than 15 minutes with the New Symphonie Aqua Polaris System

Presented by: Cypress Adaptive

Improved Clinical Outcomes with Tri-Axial Foot Designs from College Park

Presented by: College Park Industries

Custom Orthotics Marketing & Business Workshop

Presented by: Structure

How Are Innovative Patient Data Technologies Enhancing Lower Limb Prosthetic Care?

Presented by: Adapttech

Creating Patient Stability and Mobility by Utilizing an Innovative Approach in Microprocessor Knees—Nabtesco

Presented by: NuTech Synergies LLC

SensTrain—An Innovative Approach to Helping Amputees to Manage their Phantom Limb Pain—2PD Limited

Presented by: NuTech Synergies LLC

Glide by IBT: A New Era in Myoelectric Control

Presented by: Infinite Biomedical Technologies



Product Preview Theater Presentations

These interactive 30-minute Product Preview Theater (PPT) Presentations are presented in the Exhibit Hall on Thursday, September 7th and Friday, September 8th. Attendees will receive .5 CE credit for each presentation attended.



Adapttech

Motio System: The Next Generation of Data and Patient-Centered Solutions



Allard USA

Central Fabrication Options for the Partial Foot—A Peek into Allard's NEW SmartFAB



Alps South LLC

ALPS® VIP System—Vacuum Integrated Pump and VIP Lock



Becker Orthopedic Appliance Co.

New Becker MILINE Interchangeable Ankle Joints



Cascade Orthopedic Supply, LP

The Xtern: A New Approach to Foot Drop



Fillauer

Unlocking Precision and Dexterity: An Introduction to the TASKA CX Hand



NuTech Synergies LLC

Initiating and Optimizing Rehabilitation for a New Amputee by Utilizing an Entirely New Workflow Process—Amparo Prosthetics Inc.



OrthoFeet Inc.

A Study Investigating the Effect of OrthoFeet Footwear on Pain Reduction and Functional Performance



Össur Americas Inc.

Össur Americas Inc. PPT Presentation



Surestep

What in the Heel Do They Feel Anyway? Using Surestep's Open Heel Solutions for Improving Sensory Input and Biomechanics



Xtremity

XtremityTT: Latest in Polymer Socket Technology

Poster Presentations

THURSDAY | SEPT. 7

5:30 – 6:30 pm

Poster Presentations will take place at the Product Preview Theater during the Happy Hour. Enjoy refreshments while supporting fellow researchers.

For a list of poster presentation, please review the online schedule.



Student Poster Awards

Calling all Students and Residents—Gain National Recognition and Advance Your Career

Enter to win one of two prestigious awards—the Student Resident Poster Award honors two meritorious scientific papers submitted for presentation as a poster at the AOPA National Assembly.



The purpose of these awards is to encourage students and residents to display outstanding posters at the National Assembly. The Otto and Lucille Becker Award will be presented for the best orthotic abstract submitted and the Edwin and Kathryn Arbogast Award for the best prosthetic abstract submitted by a qualifying student or resident. The associated school will also be honored. For complete rules and to submit your abstract, visit www.AOPAAsembly.org.



Hotel & Travel Information



Meeting Location

The 2023 AOPA National Assembly will be held at the Indianapolis Convention Center, 100 South Capitol Ave, Indianapolis, IN 46225 and the adjoining JW Marriott Indianapolis Hotel, 10 South West St, Indianapolis, IN 46204. Just a short 15-minute drive from Indianapolis International Airport.



Travel

Indianapolis International Airport is a 15-minute drive from the Indianapolis Convention Center and Assembly Hotels. Ubers and Taxi cabs are readily available.



Hotel Accommodations

AOPA has booked rooms at four properties within the Marriott Indy Place Complex to provide you with more options and additional price points. [AOPA American Orthotic & Prosthetic Assoc. National Assembly 2023—Start your reservation \(passkey.com\)](https://passkey.com)



JW Marriott Indianapolis
10 South West St,
Indianapolis, IN 46204

USD 199.00 +Taxes & Fees

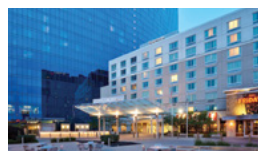
Considered the crown jewel of Marriott Place, the JW Marriott Indianapolis Downtown is a landmark amid five Marriott hotels connected to the Indiana Convention Center. Guest rooms feature Marriott's signature bedding, 40" LCD high-def TVs, marble vanities, and breathtaking views of a gorgeous art-filled plaza.



Courtyard by Marriott Downtown Indianapolis
601 W. Washington, St,
Indianapolis, IN 46204

USD 169.00 +Taxes/Fees

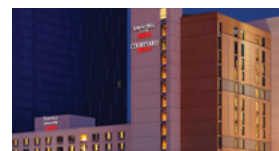
Experience a memorable getaway at the newly renovated Courtyard Indianapolis Downtown, located in the heart of Circle City. Take in views of White River State Park and the historic Canal District and make the most of our sky bridge access to Indianapolis Convention Center. Includes free Wi-Fi.



Fairfield Inn & Suites Indianapolis Downtown
501 West Washington St,
Indianapolis, IN 46204

USD 159.00 +Taxes & Fees

Work hard and play hard when you reserve your stay at the newly renovated Fairfield Inn & Suites Indianapolis Downtown. Built for your convenience, we provide a skywalk connecting the hotel directly to the Indiana Convention Center. Includes a complimentary continental breakfast and free Wi-Fi.



SpringHill Suites Indianapolis Downtown
601 West Washington St,
Indianapolis, IN 46204

USD 169.00 +Taxes & Fees

Enjoy a well-rounded stay at the SpringHill Suites Indianapolis Downtown. Features free hot breakfast and Wi-Fi. After a day of exploring, unwind in stylish suites featuring 25 percent more space than typical Downtown Indianapolis hotel rooms.

Registration Information

ADVANCED REGISTRATION

REGISTER BY
AUG. 1, 2023
AND SAVE!

ATTENDEE REGISTRATION

- ▶ Review the registration category descriptions below and complete one registration form for each attendee.
- ▶ **REGISTER ONLINE** – Easy online registration is available at aopa.omnient.com/2023 for those paying by credit card.
- ▶ **REGISTER BY MAIL** by completing a registration form. A printable version of the registration form can be downloaded at www.AOPAAsembly.org or by contacting Assembly@AOPAnet.org.

Need assistance? Contact AOPA Headquarters at Assembly@AOPAnet.org or (571) 431-0860.

EXHIBITOR REGISTRATION

- ▶ **REGISTER ONLINE** – Visit your GoExpo account to view details on registering your booth staff.

Need assistance? Contact Kelly O'Neill at kelly.oneill@AOPAnet.org.

ATTENDEE REGISTRATION CATEGORIES AND FEES

Full Conference (includes in-person and virtual)

Before August 1—\$599 AOPA Members/ \$999 Non-Members
After August 1—\$699 AOPA Members/ \$1,099 Non-Members
Fees include admission to all education sessions and all meeting materials for both the in-person and virtual conference. Meals include three breakfasts, two lunches, and two receptions. Attendees registering under this category will automatically receive a certificate of attendance.

Virtual Conference Registration

September 20 – November 20, 2023

Before August 1—\$499 AOPA Members/ \$899 Non-Members
After August 1—\$599 AOPA Members/ \$999 Non-Members
Fees include admission to all education sessions and all meeting materials held virtually. Attendees registering under this category will automatically receive a certificate of attendance.

One Day Conference Registration (in-person only)

Before August 1—\$399 per day AOPA Members/ \$699 per day Non-Members
After August 1—\$499 per day AOPA Members/ \$799 per day Non-Members
Includes all conference events for the day selected.

One Day (or Two Day) Attendee Exhibition Only Registration

Before August 1—\$149 per day AOPA Members/ \$199 per day Non-Members
After August 1—\$199 per day AOPA Members/ \$299 per day Non-Members
This category includes access to the exhibit hall (during show hours) for the day(s) selected only. Attendees registering under this category will not receive a lunch ticket or the opportunity to receive CE credits.

Guest Registration

Before August 1—\$399 AOPA Members and Non-Members
After August 1—\$499 AOPA Members and Non-Members
The guest category is for family and friends of O&P Professionals and does not include education credits. O&P Professionals should register as a full conference registrant. Fees include admission to all education sessions and all meeting materials. Meals include three breakfasts, two lunches and two receptions.

CODE OF CONDUCT

The American Orthotic and Prosthetic Association (AOPA) is committed to providing a safe and welcoming environment for all meeting participants and AOPA staff. Attendees are expected to treat everyone with respect and to be considerate of the multitude of views and opinions that are different than their own. Accordingly, all participants, including but not limited to attendees, speakers, volunteers, exhibitors, staff and others ("Participants") are expected to abide by the Meetings & Conferences Code of Conduct (this "Code"). AOPA has a zero-tolerance for any form of discrimination or harassment, including but not limited to sexual harassment by Participants at our meetings. Set forth below are examples of conduct that will not be condoned at any AOPA event:

- Harassment, sexual harassment, bullying or intimidation in any form, including any verbal, written (including texts and postings on social media), or physical conduct designed to threaten, intimidate, humiliate or coerce another Participant.
- Unwelcome sexual attention, including but not limited to sexualized comments or jokes, displaying sexually explicit material, inappropriate or unwelcome touching, groping or sexual advances.
- Discrimination, in any form, based on gender, gender identity or expression, sexual orientation, disability, veteran status, physical appearance, age, race, religion, or national origin.
- Physical or verbal abuse of any meeting Participant.
- Sustained or disrespectful disruption of presentations or meetings.

This Code applies to all conduct that occurs at AOPA meeting venues, including ancillary events and social gatherings, whether officially sponsored by AOPA or not. If you experience harassment or hear of any incidents of unacceptable behavior, AOPA asks that you promptly inform an AOPA staff member so that appropriate action can be taken. Your report will be taken seriously. Confidentiality will be maintained during the investigation to the extent possible without jeopardizing the thoroughness of the investigation. After considering the available information, AOPA leadership or their designees will take any action deemed necessary and appropriate. Consequences may include, but are not limited to, warnings, immediate removal from the meeting without warning or refund, and/or exclusion from any future AOPA meeting or event.

CANCELLATION POLICY

To receive a refund, less a \$100 processing fee, notifications of cancellation must be received in writing no later than Tuesday, August 1, 2023. Please email your cancellation request to Assembly@AOPAnet.org. Due to guarantees and commitments, no refunds will be made for cancellations received after August 1, 2023. Substitutions are allowed but must be made in writing.



BIOSTEP™






Powered with patented NRG Technology™



NRG Technology™ – Natural Reactive Gait – is a patented innovative, dynamic response foot technology designed to replicate the natural movement of the calf and shin muscles. Natural because, thanks to its ergonomic design, it can ensure a physiological motion, Reactive Gait, because it creates an enhanced dynamic response maintained throughout the gait cycle.



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AOPA 2023 NATIONAL ASSEMBLY | INDIANAPOLIS



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