

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



AOPA-TXSOPP NATIONAL ASSEMBLY
INTERSECTION of
TECHNOLOGY + HUMANITY
SAN ANTONIO, TX | SEPT 28-OCT 1, 2022

Exhibits.
Education.
Networking.

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For more info and to register, visit:

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AOPA-TXSOPP NATIONAL ASSEMBLY INTERSECTION[!] of TECHNOLOGY + HUMANITY

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AOPA and the TXSOPP are excited to bring the profession together in San Antonio. Be assured that we are committed to your safety. Since safety guidelines fluctuate, onsite protocols will be shared shortly before we head to San Antonio.

Technology and humanity will intersect at the 105th Annual AOPA National Assembly, being held in partnership with the Texas Society of Orthotic and Prosthetic Professionals (TXSOPP), September 28 – October 1 at the Henry B. Gonzalez Convention Center in San Antonio, Texas. Located directly on San Antonio's famous Riverwalk, you will enjoy this beautiful, historic city...whether you choose a leisurely stroll, or a ride on one of the riverboats, take the time to experience the Riverwalk's shops, restaurants, nightlife, dining options, and museums.

There is a reason that more orthotic, prosthetic, and pedorthic professionals choose to attend AOPA's National Assembly...as the longest serving O&P event, it has it all. Those who are unable to join us in San Antonio can still access the education by participating in the virtual option October 17 – December 17, 2022.

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, post mastectomy 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 San Antonio. Basically, if you are a professional in O&P, you should attend! Additionally, over 100 CE Credits will be available through the in-person and virtual opportunities. We look forward to seeing you!

Join Us

2022

Why attend?

- **NEW!** Stellar partnership with the Texas Society of Orthotic and Prosthetic Professionals (TXSOPP)
- **NEW!** Innovative two-day education track on O&P Digital Care
- **NEW!** Technical “Tips and Tricks” program and contest.
- **NEW!** Two-day education track on Post Mastectomy Care.
- **NEW!** The O&P Experience Zone — a fun interactive event in the Exhibit Hall featuring patient success stories and their clinician caregiver.
- **NEW!** Digital O&P Care Showcase
- **NEW!** Networking icebreaker during exhibit hall breaks

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- A Who’s Who line up of experts presenting the most relevant education.
- Customizable meeting experience to fit your needs—not only can you choose in-person or virtual, but the concurrent education allows 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 more education programs than ever before.
- Receive updates from representatives from CMS, the Veterans Administration, and DoD.
- Improve techniques to better serve your patients. Whether clinical care, fabrication, or getting claims paid—your patients depend on you.
- Peruse the Exhibit Hall to learn about the latest innovations and techniques.

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

2022 National Assembly Planning Committee

Joanna Kenton, MHA, LPO, CPO, FAAOP (Co-Chair)
Rick Riley (Co-Chair)
Tanya Baer, CFom (Post Mastectomy Co-Chair)
Corey Baum, CO, LO
Brock Berta
Nina Bondre, CPO
Russell Cannon (Post Mastectomy Co-Chair)
Christina Cox
Chad Duncan, PhD, CPO, CRC
Jeff Erenstone, CPO (Digital O&P Chair)
Elizabeth Ginzel, MHA, LPO, CPO (Business Co-Chair)
James Haas, CO
Kimberly Hanson (Business Co-Chair)
Adrienne Hill, CPO
Rakesh Jain, LPO, CPO
Dennis Janisse, CPed (Pedorthic Chair)
Erick Janisse, CO, CPed
Andreas Kannenberg, MD (Ger), PhD
Jak Kesselring, CO
Tyler Klenow, MBA, MS, LPO, CPO (Clinical Co-Chair)
Charles Kuffel, LPO, CPO, FAAOP (Clinical Co-Chair)
Teri Kuffel, JD
Melissa Langley
Karen Lundquist, MBC (Marketing Chair)
Brad Mattear, LO, CPA, CFo (Technical/ Exhibits Co-Chair)
Joyce Perrone
Tyler Ritchey, CP, MBA
Geneen Spence
Linda Wise (Exhibits Co-Chair)
James Young, CP, LP, FAAOP

Speaker Highlights



Lt Colonel Joseph Alderete, MD, FAOA, currently serves as Lt Colonel in the Medical Corps of the United States Army. He is the Chief, Musculoskeletal Oncology; Surgical Director, Center for the Intrepid Amputee/Limb Salvage Program; as well as the Assistant Professor, Baylor College of Medicine. San Antonio Military Medical Center.



Kate Allyn, CPO, FAAOP, is a Washington state licensed and ABC-Certified orthotist and prosthetist, clinician, researcher, fellow, and past president of the AAOP. She completed her O&P education at Northwestern University and residency in Orthotics at the Cleveland Clinic Foundation. She specialized in dysvascular populations, rehab, and traumatic lower limb prosthetics.



Geoff Balkman, PhD, CPO, is an Assistant Professor at the University of Washington, Department of Rehabilitation Medicine, Division of Prosthetics and Orthotics. He received a doctorate in Rehabilitation Science from the University of Washington in 2021 and has five years of clinical experience.



Molly Baumann, PhD, is a Biomedical Research Scientist with the DoD-VA Extremity Trauma and Amputation Center of Excellence based at the Center for the Intrepid in San Antonio. Her research is focused on the interface of the prosthesis and the residual limb.



Jeffrey Cain, MD, currently serves as a Clinical Professor of Family Medicine at the University of Colorado School of Medicine. Dr. Cain is a past chair Amputee Coalition, a bilateral BK who received the OI surgery in 2016.



Major (RET) Stuart M. Campbell PT, MPT, retired from active duty in 2010, he served as the program Manager at the Center for the Intrepid and is now Chief, Global Health Engagement for the Extremity Trauma and Amputation Center of Excellence.



Michael Carroll, PhD, MBA, CPO, FAAOP, is a certified prosthetist-orthotist with the US Department of Veterans Affairs (VA) and Assistant Professor at the University of Central Florida where he completed his PhD. In his role at the VA, Dr. Carroll has been integral in the progression of patient care and the residency program.



Lee Childers, PhD, CP, is the Senior Scientist with the DoD-VA Extremity Trauma and Amputation Center of Excellence team at the Brooke Army Medical Center, Center for the Intrepid, in San Antonio. Research there focuses on maximizing residual limb health and development of exoskeleton solutions for prolonged field care scenarios.



Colonel (RET) Andrea Crunkhorn, PT, DPT, is the Chief, Clinical Affairs for the Extremity Trauma and Amputation Center of Excellence, responsible for strategic planning and operational implementation of limb trauma related policies and regulation for the Department of Defense.



Andrea Giovanni Cutti, PhD, MEng, CPO, received his master in Electronic Engineering at the University of Bologna and a PhD in Biomedical Engineering in 2006. He is currently serving as Applied Research Manager and Manager of Lower Limb O&P services at the INAIL Prosthetic Center in Italy and president of ISPO Italy.



Christopher L. Dearth, PhD, has the privilege of serving as the Chief of the Research & Surveillance Division within the Extremity Trauma and Amputation Center of Excellence. Dr. Dearth is responsible for leading multidisciplinary research teams who conduct a diverse portfolio of cutting edge, mission driven research projects.



Cassandra Delgado, MSPO, CPO, is the Clinical Director at Prosthetic and Orthotic Associates and Handspring Upper Limb Prosthetics in New York. Cassandra completed her education at Alabama State University and the University of Michigan.



Shawn Farrokhi, PT, PhD, is the Facility Research Director with the Extremity Trauma and Amputation Center of Excellence team at the Naval Medical Center San Diego. With more than 19 years of combined experience in academia, clinical research, and patient care, Dr. Farrokhi offers a unique perspective towards advancing the field of musculoskeletal rehabilitation for military Service Members and Veterans with traumatic extremity injuries and limb loss.



Graci Finco, CPO, LPO, is in her junior year of her PhD studies in Structural Anatomy and Rehabilitation Sciences at the University of North Texas Health Science Center in Fort Worth. Her work examines musculoskeletal and gait symmetry as predictors of overuse injury and fall risk.



Bretta Fylstra, PhD, received her PhD in Biomedical Engineering from the Joint Department of BME at NC State and UNC-Chapel Hill with a research focus on robotic prostheses and biomechanics. She is now a postdoctoral researcher at Hanger Inc. working on clinical trials and patient reported outcomes in O&P.



Francesca Gariboldi, MEng, received her MSc in Biomedical Engineering at Polytechnic of Milan (Italy) in 2019. She is currently pursuing her PhD in Mechanical Engineering at the University of Padova (Italy) regarding "Development and evaluation of technologies for the design and production of prosthetic components for Paralympic athletes."

i'm Speaking

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Tiffany Graham, MSPO, CPO, LPO, FAAOP, is an Assistant Professor at the University of Texas Southwestern Medical Center. She received her bachelor's degree in Engineering Science from Trinity University and her master's degree from the Georgia Institute of Technology. She holds leadership positions within the AAOP and is a two-time recipient of the AOPA Thranhardt Award.



Brad Hendershot, PhD, is the Facility Research Director with the Extremity Trauma and Amputation Center of Excellence team at Walter Reed National Military Medical Center in Bethesda. Dr. Hendershot's research is focused on the mechanics and neuromuscular control of human movement.



Kinsey Herrin, MSPO, CPO, LPO, FAAOP, is a Senior Clinical Research Scientist in the George W. Woodruff School of Mechanical Engineering at the Georgia Institute of Technology. She received her MSPO from the Georgia Institute of Technology and completed her orthotics residency at Children's Healthcare of Atlanta and her prosthetics residency at the University of Michigan O&P Center.



Jason Highsmith, PT, DPT, PhD, CP, FAAOP, is the National Program Director for Clinical Orthotic & Prosthetic Service at the Department of Veterans Affairs and a faculty of the School of Physical Therapy and Rehabilitation Sciences at the University of South Florida. He is a past President of the AAOP and is currently a Captain in the US Army Reserves.



Christopher Hovorka, PhD, CPO, FAAOP, is director and assistant professor of the Orthotics and Prosthetics program in the College of Health Sciences at Midwestern University, located in Glendale, Arizona. He is working with a team of health professionals and educators in medicine and allied health to establish an entry-level Master of Science degree in orthotics and prosthetics. Over the past 23 years, he has engaged in academia, leveraging his education, research, and clinical experiences in orthotics and prosthetics, allied health science, and applied physiology/motor control into developing collaborative orthotics and prosthetics practitioner education and research programs. He is presenting on his research regarding neuromotor adaptation to use of lower extremity orthoses.



Jennifer Johansson is a Senior Research Engineer at Liberating Technologies. She received her BS in Mechanical Engineering from Union College and MS in Biomedical Engineering from Boston University. Prior to joining LTI, Ms. Johansson worked at the Gait Laboratory at Spaulding Rehabilitation Hospital.



Jason T. Kahle, MSMS, CPO, FAAOP, is a certified licensed Prosthetist-Orthotist. He is the Principal Investigator on many current, pending, and past clinical trial grants and a multiple winner of clinical and speaking awards for clinical creativity and exemplary research. Jason is a member of the Outcomes Research Committee of the AAOP.



Andreas Kannenberg, MD (GER), PhD, graduated from Charité Medical School at Humboldt University in Berlin and worked as a physician in Germany for more than 10 years. He joined Ottobock in 2003 and has been serving as Executive Medical Director North America since 2013. He coordinates Ottobock's clinical research in the Americas.



Ken Kaufman, PhD, PE, is the W. Hall Wendel Jr. Musculoskeletal Research Professor, Professor of Biomedical Engineering, Director of the Biomechanics-Motion Analysis Laboratory, and Consultant in the Departments of Orthopedic Surgery, Physiology and Biomedical Engineering at the Mayo Clinic. Dr. Kaufman is a member of the AOPA Medical Advisory Board.



Danielle Melton, MD, is an Associate Professor in the Department of Orthopedic Surgery at McGovern Medical School at The University of Texas Health Science Center at Houston and the Director of the Amputee Program at Memorial Hermann The Institute for Rehabilitation and Research.



Joseph Miller, PhD, MS, CP, is the Senior Advisor for Clinical P&O for the Extremity Trauma and Amputation Center of Excellence (EACE), responsible for strategic guidance of O&P related policy, regulations, data and education for the Department of Defense. He supports EACE Global Health Engagements, Research and Surveillance and Informatics divisions.



Ashley Mullen, PhD, is the Interim Dean of the School of Health Professions at the Baylor College of Medicine.



Jonathan Naber, MSc, PhD, BSEng, is the Chief Program Officer at the Range of Motion Project (ROMP).



Matt Parente, MS, PT, CPO, FAAOP, is an ABC-Certified prosthetist-orthotist and a Connecticut-licensed physical therapist who serves as a Clinical Education Specialist within Clinical and Scientific Affairs. He also serves as the Director of the Master of Science in P&O at the University of Hartford. Matt was awarded the Outstanding Educator Award by the AAOP in 2019.



keynote
speaker

Mona Patel, LCSW, helps people realize their inner strength and resilience. This passion was ignited by a traumatic accident. At the age of 17 she was struck by a drunk driver resulting in the amputation of her right leg. Mona's desire to empower the limb loss community has become her platform and life purpose. In 1997, she started a monthly amputee support group which has now morphed into a 501c3 nonprofit organization called the San Antonio Amputee Foundation, one of the largest and most active amputee organizations in the country. In 2009, Mona led successful grassroots legislative efforts to fight for fair prosthetic limb insurance coverage. A year after becoming nonprofit, she led a team of 9 amputees to the summit of Mt. Kilimanjaro, the highest free-standing mountain in the world at 19,341 feet. The project's purpose was to show others that they, too with the right mindset, can climb the mountains of their own lives. She continues to challenge herself physically in activities such as hiking, rowing, biking, and running. Mona was selected as one of CNN's Top 10 Heroes for 2017, an honor given to "everyday people doing extraordinary things to change the world." This distinction has elevated the awareness of her foundation and mission, and has allowed her and the San Antonio Amputee Foundation to help amputees across the globe with support, guidance, and inspiration. Mona's smile and story is also featured on several Lay's potato chip bags for their "Smile with Lay's" campaign, to remind everyone that their smiles can make a difference in other people's lives. Mona has worked as a licensed clinical social worker for more than 20 years. Mona's passion is a testimony that with strong heart and determination, disability is only a mindset.



Ahmahn Peebles, CPO, LPO, has been a practicing practitioner for 17 years. He specializes in patients requiring newer technology, both orthotic and prosthetic, challenging high level lower extremity cases as well as upper extremity. He enjoys the process of figuring out puzzles and complex cases to bring new and better options to his patient population.



Ciera Price, CPO, LPO, currently serves as a Certified Prosthetist Orthotist at the Henry M. Jackson Foundation for the Advancement of Military Medicine. She completed her O&P education at California State University Dominguez Hills and fulfilled a dual residency in the Texas Medical Center while serving as the lead orthotist for multiple pediatric clinics and volunteering clinical services both locally and throughout Central and South America.



Sashwati Roy, PhD, is a Professor of Surgery and Director of Clinical Research at IUH Comprehensive Wound Center. She is an expert in inflammation and tissue repair including limb health. Dr. Roy has over 225 peer review publications. Her research program is funded by National Institute of Health and Department of Defense. She has served as committee chairs, secretary, and executive board member at the national Wound Healing Society where she is currently serving as the President.



Chandan K. Sen, PhD, is a Distinguished Professor and J. Stanley Battersby Chair of Surgery, and Director of the Indiana Center for Regenerative Medicine and Engineering. At Indiana University, he serves as Associate Vice President of Research. At the IU School of Medicine, he serves as Associate Dean of Research.



Naomi Shields, MD, is an orthopaedic surgeon specializing in foot and ankle surgery and sports medicine at Tru Ortho in San Antonio, TX. Dr. Shields completed a residency at Wilford Hall Usaf Medical Center.



Phil Stevens, MEd, CPO, is a Director within Hanger Clinic's Department of Clinical and Scientific Affairs and an Upper Limb Prosthetic Specialist. He is a graduate of the University of Washington's P&O Program and earned his Master's Degree in Allied Health Education and Administration from the University of Houston. He served as the President of the AAOP from 2014-2015 and received the Academy's "Champion of the Profession" Award in 2017.



Jason W. Stoneback, MD, is an Associate Professor in the Department of Orthopedics at the University of Colorado School of Medicine. He is the Vice Chair of Clinical Affairs, Chief of Orthopedic Trauma and Fracture Surgery and Director of the Multidisciplinary Limb Restoration Program and Osseointegration Programs at the University of Colorado Hospital.



Joseph Webster, MD, is a physician with over 20 years of experience in the field of Physical Medicine and Rehabilitation (PM&R) and in working with individuals with amputations. Dr. Webster is currently an Associate Professor in the Department of PM&R at Virginia Commonwealth University and a Staff Physician at the Hunter Holmes McGuire VA Medical Center in Richmond. Dr. Webster has been serving as the National Director of the VA Amputation System of Care since 2011.



Matthew Wernke, PhD, is an applied research engineer. He earned a PhD in Biomedical Engineering from the University of South Florida in 2013 and was a research assistant for the Center for Assistive, Rehabilitation, and Robotic Technologies. His dissertation focused on the development of an optic-based device and motion analysis model to quantify motion of the residual limb relative to the prosthetic socket.



Zachary Wright, PhD, is Research Principal Investigator at Coapt, LLC. Dr. Wright earned a PhD in Bioengineering from the University of Illinois at Chicago and performed his research at the Shirley Ryan AbilityLab (formerly the Rehabilitation Institute of Chicago) in the Robotics Lab. His research has focused on human motor control and neurorehabilitation with a special interest in robotic therapy for stroke survivors.



Shane Wurdeman, PhD, CP, FAAOP(D), is the Director, Clinical Research, Hanger Institute for Clinical Research and Education. Dr. Wurdeman holds a degree in physics, a Master's in prosthetics and orthotics, and a PhD in biomechanics. He also serves on the Board of Directors for AOPA as the Research Director. He is a 4-time Thranhardt winner and the 2020 Academy Research Award winner.

Schedule Overview

For complete program details, descriptions, presenters, and more, visit www.AOPAassembly.org.

TUESDAY SEPTEMBER 27

10:00am – 5:00pm **Registration and Information Desks Open**
Exhibitor Set up

WEDNESDAY SEPTEMBER 28

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

7:00am – 3:00pm **Exhibitor Setup**

7:00am – 4:00pm **Speaker Ready Room**

7:00am – 8:00am **Beverage Service**

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 – 5:00pm **Manufacturers' Workshops**
Choose from over 30 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 32 for details.

9:00am – 4:00pm **Post Mastectomy Education**

- Opening and Patient Journey (PM1)
- ABC Custom Breast Prosthesis: What's in it for You? (PM2)
- Post-Mastectomy Care: How to Add Revenue and Be More Visible in Your Community (PM3)

10:30am – 12:30pm **Concurrent Workshops—Tier B**
See page 32 for details.*

Noon – 2:00pm **OPAF BBQ Luncheon Fundraiser or Lunch on Your Own**

2:00 – 4:00pm **Concurrent Workshops—Tier C**
See page 32 for details.*

4:30 – 5:30pm **Concurrent Workshops—Tier D**
See page 33 for details.*

5:30 – 7:30pm **Welcome to San Antonio Celebration**
Kick-off your Assembly experience at the "Welcome to San Antonio" Reception. Enjoy refreshments, entertainment, and connecting with your colleagues.

*For Workshop titles and descriptions, visit www.AOPAassembly.org.



THURSDAY

SEPTEMBER 29

7:00am – 5:00pm	Speaker Ready Room Available
7:00am – 6:00pm	Registration and Information Desks Open
7:15 – 8:00am	Breakfast
7:30 – 9:00am	Opening Remarks and Keynote address by CNN Hero Mona Patel (GS1)
9:00am – 6:30pm	Exhibit Hall Open
9:00 – 10:30am	Networking Break in Exhibit Hall
10:30 – Noon	<p>CONCURRENT EDUCATION</p> <ul style="list-style-type: none"> ▶ Business <ul style="list-style-type: none"> ● Medicare Updates & Comprehensive Error Rate Testing (CERT) (B1) ● Partnering with Payers (B2) ▶ O&P Clinical Care <ul style="list-style-type: none"> ● O&P Research Developments Across the DoD System (C1) ● Osseointegration in the U.S.—Prosthetic Implications for Today and Tomorrow (C2) ▶ Pedorthic <ul style="list-style-type: none"> ● Podiatrist: Friend or Foe? (P1) ● TSPD: The Six Qualifying Foot Conditions (P2) ▶ Technical <ul style="list-style-type: none"> ● Current Concepts in Thermoplastics (T1) ● Thermoforming over Foam (T2) ▶ Post Mastectomy <ul style="list-style-type: none"> ● Keeping Pace with Surgical Advancements—Partial Forms Play a Key Role, A Panel Discussion (PM4)
Noon – 2:00pm	Unopposed Exhibit Hall Time (Lunch available from Noon – 1:00pm)
2:00 – 5:00pm	<p>CONCURRENT EDUCATION</p> <ul style="list-style-type: none"> ▶ Business—Hamontree Lectures (B3) <ul style="list-style-type: none"> ● The 3 Things you Have Control Over to Speed up your Cashflow (B3-A) <i>Stacy Toner, CBCS</i> ● Survey of Emotional Burnout and its Effects on Innovation In O&P (B3-B) <i>Gerald Stark, PhD, MSEM, CPO, LPO, FAAOP(D)</i> ● Using Outcome Measures to Justify Medical Necessity, Reimbursement, and Business Development in Real-Life Settings (B3-C) <i>Jason Kahle, MSMS, CPO, LPO, FAAOP</i> ▶ O&P Clinical Care <ul style="list-style-type: none"> ● Orthotic Case Study Based on the Treatment of Former NFL Quarterback, Alex Smith (C3) ● Limb Loss and Preservation Registry (C4) ● Evolution of Amputation and Limb Trauma Care in the Military Health Service 2001 to Today (C5) ● Non-Invasive Measurements of Residual Limb Health: Current and Future Implications (C6) ▶ Pedorthic <ul style="list-style-type: none"> ● Arch Mechanics and the Plantar Fascia (P3) ● Creative Management of the Cavovarus Foot (P4) ● Shoe Sizing: Unraveling the Madness (P5) ▶ Technical <ul style="list-style-type: none"> ● Advancements in Thermoplastics—Blister Forming vs. Drape Molding New Material (T3) ● Fabrication of a Symes Prosthesis Based on Individual Function Level (T4) ▶ Post Mastectomy <ul style="list-style-type: none"> ● Business Proposition: Providing Post-Mastectomy Care (PM5) ● Certification and Accreditation—What you Need to Know (PM6) ● Medicare LCD and Policy Article for External Breast Prosthesis (Coverage Criteria) (PM7) ● An In-depth Look at Quality of Life and Survivorship After Breast Cancer (PM8)
5:00 – 6:30pm	O&P Experience Zone and Exhibitor Sponsored Happy Hour

FRIDAY

SEPTEMBER 30

7:00am – 5:00pm	Registration and Information Desks Open
7:00am – 5:00pm	Speaker Ready Room Available
7:15 – 8:00am	Breakfast
7:45am	Professor Hans Georg Näder O&P Digital Care Award
8:00 – 9:00am	<p>General Session and Thranhardt Presentations (GS2)</p> <ul style="list-style-type: none"> ● Design and Testing of the Caesar Foot: A Bimodal Run-Walk Prosthesis (C7-A) <i>Jennifer Johansson, MS</i> ● Development and Validation of a Prediction Model for the Treatment Time of Deformational Head Shapes Using a Cranial Remolding Orthosis (C7-B) <i>Tiffany Graham, MSPO, CPO, LPO, FAAOP</i>
9:00am – 2:00pm	Exhibit Hall Open
9:00 – 10:30am	Networking Break in Exhibit Hall
10:30 – Noon	<p>CONCURRENT EDUCATION</p> <ul style="list-style-type: none"> ▶ Business <ul style="list-style-type: none"> ● How to Navigate the World of Insurance Contracting and Coverage Deciphering (B4) ● Maximize Data and Resources to Ensure Fair Reimbursement (B5) ▶ O&P Clinical Care <ul style="list-style-type: none"> ● Composite AFOs: Material Science and Latest Research (C8) ● Adaptive Socket Technology: The Next Frontier in Prosthetic Care (C9) ▶ Digital O&P Care <ul style="list-style-type: none"> ● Optimizing Socket Comfort and Prosthetic Alignment Utilizing Portable Socket Pressure-Sensing Technology (D1) ● Patient Outcomes Process for the Future: Digital Data Collection (D2) ● Extracting Meaningful Data from your Digital Workflows (D3) ▶ Pedorthic <ul style="list-style-type: none"> ● Plantar Fasciitis: Biomechanics and Orthotic Fundamentals (P6) ▶ Technical <ul style="list-style-type: none"> ● Silicone Partial Hand (T5)
Noon – 2:00pm	Unopposed Exhibit Hall Time (Lunch available from Noon – 1:00pm)
2:00 – 5:00pm	<p>CONCURRENT EDUCATION</p> <ul style="list-style-type: none"> ▶ Business <ul style="list-style-type: none"> ● Strengthen your O&P Business, Use Data-Driven Insights—The Ultimate Guide (B6) ● How to Run an Effective WIP Meeting Using Analytics Tools (B7) ● Certificate in O&P Business Management—Marketing Tools (B8) ● Using an ‘Innovation Mindset’ to Problem Solve in O&P (B9) ▶ O&P Clinical Care <ul style="list-style-type: none"> ● Veterans Affairs O&P Clinical Services: Past, Present, & Future Vision (C10) ● Prosthetic Knee Selection: Match Functional Principles and Clinical Evidence of Knees with Patients’ Safety and Mobility Needs (C11) ● Lower Limb Orthotic Free Papers (C12) ● Development of Adaptive Vacuum Suspension to Improve Prosthetic Fit and Residual Limb Health & Function (C13) ▶ Digital O&P Care <ul style="list-style-type: none"> ● The Missing Costs: Framework for Evaluation of The True Cost of Fabrication in O&P (D4) ● Mary Free Bed’s Transition from Traditional Fabrication to Digital O&P Care (D5) ● Beyond Test Sockets: Level-Up to Definitive Sockets Using MJF and Review Some of the Biggest Trends and Common Failures in the 3D Printing Space (D6) ● Hybrid Digital Workflow and Problem Solving (D7) ● Limb Adjustment in a Digital Environment Based on a Human Body Avatar for the Production of Orthotic Devices (D8) ▶ Pedorthic <ul style="list-style-type: none"> ● Treating the Intrinsic Minus Foot: Preventing the Forces Causing the Destruction of the Diabetic Foot (P7) ● Is it Failure of the Posterior Tibial Tendon or is it Progressive Collapsing Foot Deformity? (P8) ▶ Technical <ul style="list-style-type: none"> ● Click Medical Fabrication of Adjustable Sockets (T6) ● Fabrication Tips and Tricks (T7)



SATURDAY OCTOBER 1

7:00am – Noon	Information Desk Open
7:00am – Noon	Speaker Ready Room Available
7:15am	Breakfast
8:00 – 9:00am	General Session (GS3) AOPA Membership Meeting and Awards Ceremony O&P Alliance Presentation
9:15am – Noon	CONCURRENT EDUCATION <ul style="list-style-type: none"> ▶ Business <ul style="list-style-type: none"> ● Communication Can Make or Break Your Business (B10) ● Bridging the Gap—People, Process & Technology (B11) ● The O&P Clinic: Creating a Culture of Collaboration (B12) ▶ O&P Clinical Care <ul style="list-style-type: none"> ● Evolution of Education and Developing the Next Generation of O&P Practitioners (C14) ● Got a Hand? Getting the Best Outcomes with an Interdisciplinary Team (C15) ● Applications and Innovations of 3D Printing in Orthotics: A Digital and Clinical Joint Program (C16/D12) ● Caring for the Upper Limb Amputee (C17) ▶ Digital O&P Care <ul style="list-style-type: none"> ● Does it Smell Phishy? Practical Computer Policy and Cyber Awareness (D9) ● Video-Based Smartphone Photogrammetry for the 3D Modelling of Residual Limb Plaster Casts in Lmics (D10) ● Accuracy, Reliability and Repeatability of Scanning Residual Limb Models Using The Einscan Pro 2x Plus (D11) ▶ Pedorthic <ul style="list-style-type: none"> ● Pedorthic Management of Severe Deformities: Custom vs. Modified Footwear (P9) ● To Fuse or Replace: Dilemma of Ankle Replacements (P10) ● Trends Affecting Your Orthotic, Prosthetic and/or Pedorthic Practice—A Look into the Future (P11) ▶ Technical <ul style="list-style-type: none"> ● Fabricating a Pediatric Dynamic Posterior Strut AFO (T8) ● Sewing Machine Repair (T9)
Noon – 1:00pm	Lunch on Your Own
Noon – 2:00pm	O&P Digital Care Showcase The Digital O&P 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 – 3:00pm	Concurrent Workshops—Tier E See page 33 for details.*
1:00 – 3:00pm	Business Education <ul style="list-style-type: none"> ● A Method for Life Cost Projection and Future Needs Assessment for P&O Expert Witness Reports (B13) ● Third Party Risk Management Safeguard Patient’s Privacy while Decreasing Business Risk (B14)
1:00 – 5:00pm	Clinical Education Free Papers <ul style="list-style-type: none"> ● Pediatric Treatment in Orthotics and Prosthetics (C18) ● Prosthetic Free Papers (C19) ● Prosthetic Sockets—The Foundation of Amputee Care (C20)

*For Workshop titles and descriptions, visit www.AOPAassembly.org.



Keep learning!
The virtual program will be available
October 17 –December 17.

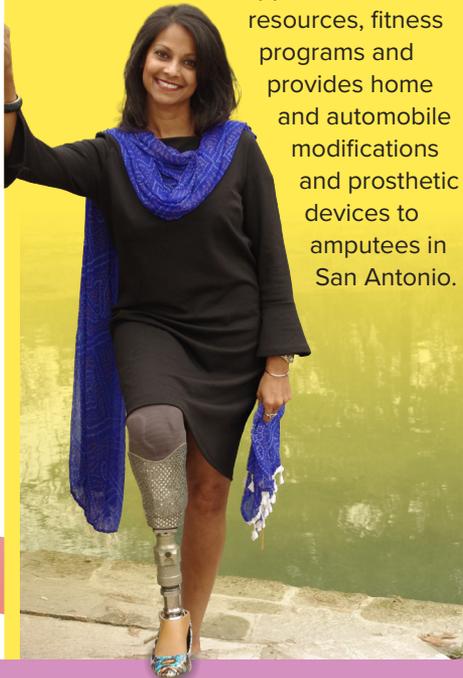
General Sessions

THURSDAY SEPT 29

Opening Remarks (GS1)

Keynote address by
CNN Hero Mona Patel

At age 17, Mona was hit by a drunk driver, her right leg pinned between his car and a metal railing. Seven years, twenty surgeries, and two amputations later, Mona started the support group she'd craved throughout her own journey as an amputee. Today, her San Antonio amputee Foundation offers support services, resources, fitness programs and provides home and automobile modifications and prosthetic devices to amputees in San Antonio.



FRIDAY SEPTEMBER 30

Kick-off Day Two with Breakfast, Professor Hans Georg Näder O&P Digital Care Award, and the Award-Winning Thranhardt Lectures (C7)

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.



8:10 – 8:30am

Design and Testing of the Caesar Foot: A Bimodal Run-Walk Prosthesis (C7A)

Jennifer Johansson, MS

The Caesar foot is a bimodal prosthetic foot design that allows a single device to have optimized design, alignment, and biomechanics for both running and walking. This novel foot would provide the opportunity to participate in running and other running-based activities (e.g. basketball, etc.) for lower limb amputees who don't currently have the access to running feet due to the lack of insurance coverage.



8:30 – 8:50am

Development and Validation of a Prediction Model for the Treatment Time of Deformational Head Shapes Using a Cranial Remolding Orthosis (C7B)

Tiffany Graham, MSPO, CPO, LPO, FAAOP

A retrospective chart review was performed on 1,250 infants who were treated with a CRO at one of three treatment facilities. This data was used to create prediction models for the maximum treatment duration an infant is expected to have with a CRO to meet the measurement goals of the treating clinician. These models were tested against the retrospective results of 210 infants who received care at a different treatment facility and were found to have moderate accuracy. New predictive models which include all collected data (n=1,460) are proposed for future validation.



SATURDAY OCTOBER 1

AOPA Membership Meeting and Awards Ceremony, O&P Alliance Inclusion Session, DEI Program (GS3)

The Annual AOPA Membership Meeting and Awards Program is the perfect time to learn what's happening with AOPA and the profession. Receive an update on the accomplishments AOPA has made over the past year. An awards program will follow—join us to honor the following:

- Lifetime Achievement Award Winner
- Legislative Advocacy Award Winner
- The Otto and Lucille Becker Orthotic Award
- Edwin and Kathryn Arbogast Prosthetic Award
- Introduction of AOPA Leadership

Following this, the O&P Alliance will host a session on inclusion/inclusivity as part of a positive workplace culture.



**American
Orthotic &
Prosthetic
Association**



Business Education

The Business Education workgroup is pleased to offer you a wide range of timely and useful business education from leading experts that will provide Medicare updates, assist you with cashflow, justifying medical necessity and reimbursement, HIPAA, marketing, contracting, and much more.



THURSDAY SEPTEMBER 29

10:30 – 11:15am	Medicare Updates & Comprehensive Error Rate Testing (CERT) (B1) <i>Angie Cooper</i> <i>Shelly Carlson</i> <i>Sienna Newman</i> Join the DME MACs Outreach team as they present to you an overview of recent changes and updates to the Medicare program. In addition to receiving Medicare updates, the DME MACs will also address the most common CERT denials for Orthotic and Prosthetic claims and provide resources to help avoid and resolve these common errors.
11:15am – Noon	Partnering With Your Payers (B2) <i>Jessica Norrell, MBA, CPO</i> Contracting with payers is not just a simple contract negotiation process anymore. Payers want to know why it is beneficial for them to give you more money. We want to equip you with knowledge and numbers so that you can learn to partner with your payers.
2:00 – 5:00pm	Hamontree Lectures (B3) 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
2:00 – 3:00pm	The 3 Things you Have Control Over to Speed up your Cashflow (B3-A) <i>Stacy Toner, CBCS</i> As a billing and consulting company in the orthotic and prosthetic industry, we perform Revenue Cycle assessments every day. Through these assessments, we have identified three common trends that cause a practice's revenue cycle to become disrupted and even screech to a halt. In this presentation, we will share our insights and analysis into these trends and how to identify them, fix them, and avoid them.
3:00 – 4:00pm	Survey of Emotional Burnout and its Effects on Innovation In O&P (B3-B) <i>Gerald Stark, PhD, MSEM, CPO, LPO, FAAOP(D)</i> Speaker will examine the definitions of Emotional Intelligence and Emotional burnout within O & P. Lecture will show the levels of burnout among demographic groups: Certification, Experience, Work Context, and Job function in O & P, especially during COVID. Presentation will also relate the data of emotional burnout on significant relationships with Technology Optimism and Innovativeness from an earlier survey.
4:00 – 5:00pm	Using Outcome Measures to Justify Medical Necessity, Reimbursement, and Business Development in Real-Life Settings (B3-C) <i>Jason Kahle, MSMS, CPO, LPO, FAAOP</i> This presentation will discuss a novel approach to using available outcome measures to assist the clinician who is accountable for justifying medical necessity. O&P researchers have emphasized the need for outcome measures without consideration of the clinicians' time and ultimate accountability to their job, patients, treating physicians and payers.



FRIDAY

SEPTEMBER 30

10:30 – 11:15am

How to Navigate The World of Insurance Contracting and Coverage Deciphering (B4)*Tanya Baer, CFom*

A beginner's introduction to insurance contracting and coverage verification. Get tips on where to start and how to read a patient's plan.

11:15am – Noon

Maximize Data and Resources to Ensure Fair Reimbursement (B5)*Craig Douglas*

Have you found yourself feeling somewhat powerless when discussing the payment terms of your payer contracts? Providers are often at the mercy of payers when it comes to determining a fair reimbursement during those "negotiations", as they often don't have the same transparency into claims and other types of data that payers have at their disposal. This usually leaves providers with nothing to leverage back with; until now, that is. In this session, we will dive into some newly available tools that providers can utilize as they negotiate new or renegotiate existing contracts with payers to achieve more long term stability in their contracts.

2:00 – 3:00pm

Strengthen your O&P Business, Use Data-Driven Insights—The Ultimate Guide (B6)*Mark Ford**Kirk Ferris*

This presentation, designed for O&P business owners and managers and led by O&P finance leaders, will demonstrate how benchmarking can be used to assess the strength of a company and how to make informed business decisions. Attendees will learn to use O&P benchmarking data to evaluate and improve their business, from gross margin, sales generated per employee, cost of goods sold, compensation and benefits, and more.

3:00 – 3:30pm

How to Run an Effective WIP meeting using Analytics Tools (B7)*Kelly Gies, MBA**Kiley Ring*

Learn what the power of analytics can bring to your WIP meetings. It will allow you to make the most out of your time and bring visibility to your claims to ensure no claims fall through the cracks. Keep claims moving through your system to secure constant cash flow.

3:30 – 4:00pm

Certificate in O&P Business Management—Marketing Tools (B8)*Karen Lundquist, MBC**Ruth Reese*

Marketing is often defined as social media, a website, and a holiday thank you to your referral sources. But is it working? What questions do you need to ask to make sure your efforts are worthwhile? In 30 minutes, you will get answers and the details of a marketing plan that fits your resources and business goals.



4:00 – 5:00pm

Using an 'Innovation Mindset' to Problem Solve in O&P (B9)*Jimmy Capra, CEO*

All businesses have challenges and opportunities that can be daunting and/or seemingly impossible to conquer. We find so often the barrier to solving the big problems is our 'Mindset', which is inherently limited by our individual experiences, both positive and negative. By unlocking an 'Innovation Mindset' in ourselves, our teams, and ultimately our organization, new superpowers emerge. What problems would you most like to solve? What opportunities would you most like to capture? What 'superpowers' in yourself and your organization would you like identify and unlock? Join Jimmy as he takes you through his approach that he's practiced through his career in product development, problem solving, building organizations, and leading teams. Jimmy will inspire you through his talk and bring you out of your comfort zone through a fun innovation exercise to inspire you and your organization.



SATURDAY

OCTOBER 1

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- 9:00 – 10:00am **Communication Can Make or Break Your Business (B10)**
Tanya Baer, CFom
 Learn skills needed to enhance your communication with patients, referral sources, and your office.
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- 10:00 – 11:00am **Bridging the Gap—People, Process & Technology (B11)**
Jessica Norrell, CPO, MBA
 Bridging the gap between silos may seem like it should be a no-brainer—but it's not. Each functional area is accustomed to working on their day-to-day tasks, possibly without realizing the impact they have on others. Let's take a step back and remember the overall vision of the business, which is to serve our patients with the highest level of care. Now let's break that down into how each silo comes together to deliver that vision.
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- 11:00am – Noon **The O&P Clinic: Creating a Culture of Collaboration (B12)**
Curt Bertram, CPO, FAAOP
Lesleigh Sisson, CFo, CFm
 Overview: Through "The O&P Clinic: Creating a Culture of Collaboration," Lesleigh Sisson and Curt Bertram will share from more than six decades of combined O&P experience and their passion for helping people and processes be their best. Sisson and Bertram will guide you through identifying conflicts and communication deficiencies within your practice, as well as how to solve them. You'll also learn how to establish a true and sustainable culture of collaboration to ensure your practice and patients will thrive.
-
- 1:00 – 2:00pm **A Method for Life Cost Projection and Future Needs Assessment for P&O Expert Witness Reports (B13)**
Terry Supan, CPO(E), FAAOP(E), FISPO(E)
 The process for determining the future requirement for the P&O patient and a method for projecting their future expenses will be presented. This can be an integral part of an Independent Evaluation Report for an Expert Witness or an additional service for your private P&O client.
-
- 2:00 – 3:00pm **Third Party Risk Management Safeguard Patient's Privacy while Decreasing Business Risk (B14)**
Karyn Kessler, CHC, CHPC
Laurie Johnson, JD
 Are you confident that you are managing your Third Party risks? Do you know where your top risks are? If not, this session is designed to provide a third party risk management framework focusing on the need for prioritizing highest risk vendors and implementing corrective plans to reduce that risk.
 A focused Third Party Risk Management Program should be in place, regardless of size of the O&P practice. It can start with focusing on where/when/how a third party interacts with a patient's protected health information. From there reviewing federal laws, establishing baselines and developing policies and training to guide the team are essential to minimizing risk. Through this session, attendees will see how having a strong Third Party Risk Management Program is beneficial to the patient and the bottom line including: 1) increased safeguards and protections of patient information 2) reduced operational and financial risk 3) improved accountability to patients and 4) prevention of financial and reputational damage.
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Clinical O&P Care Education

The National Assembly Clinical Education Workgroup is pleased to offer a comprehensive clinical education program featuring exciting research from across the O&P profession.



THURSDAY SEPTEMBER 29

10:30am – Noon

O&P Research Developments Across the DoD/VA Extremity Trauma and Amputation Center of Excellence (C1)

Lee Childers, PhD, CP

Chris Dearth, PhD

Shawn Farrokhi, PhD, PT

Brad Hendershot, PhD

This session will highlight current and future research projects that are ongoing at the Center for the Intrepid, Walter Reed Military Medical Center, and Naval Medical Center San Diego. These projects are aimed at advancing care for people with extremity trauma. Some examples include optimizing residual limb health, exoskeleton solutions that enable rapid return to duty after lower limb fractures, minimizing secondary health effects after amputation, and comparing clinical outcomes of people with amputation that have received care from Military and civilian settings.

10:30am – Noon

Osseointegration in the U.S.—Prosthetic Implications for Today and Tomorrow (C2)

Jeffrey Cain, MD

Christopher Hoyt, CP

Jason Stoneback, MD

Join an in-depth discussion on the past, present, and future of osseointegration. The presentation will begin with the history, outcomes research, risk, benefits, and resources for patients. A surgeon will present surgical considerations and procedures and then help you realize the rehab required, complications, cost, payment challenges and the future of OI in the United States. There will be a review of the prosthetic approach to OI—the prosthetist's considerations for patient selection, alignment, device selection, complications, cost/payment challenges, and a future look at the prosthetist's role in OI.

2:00 – 3:15pm

Orthotic Case Study Based on the Treatment of Former NFL Quarterback, Alex Smith (C3)

Fraser Allan, CPO

Michael Muratore, CPO

Alex Smith, Invited

Alex Smith was a three-time Pro Bowl quarterback who saved his most inspirational act for last. Smith suffered a devastating leg injury that almost resulted in the amputation of his right leg. With the help of a CPO, a brace, and 2-years of rehab, Smith found his way back to the field with the Washington Football Team in 2020. He helped them win the NFC East Division title and was named NFL Comeback Player of the Year before retiring after the season. This session will highlight the CPO's experience, the rehabilitation, and clinical data on the AFO used.





2:00 – 3:15pm

Limb Loss and Preservation Registry (C4)

Jeff Brandt, CPO
Ken Kaufman, PhD, PE
Mahesh Mansukhani, MBA
Danielle Melton, MD

There is a significant burden of disease associated with limb loss and limb preservation. Nonetheless, there is a paucity of evidence on effective practices and technologies for helping this population. National level data from the multiple stakeholder perspective has been lacking until recently. The national Limb Loss and Preservation Registry (LLPR) has been developed to address this knowledge gap. The LLPR is an organized system designed to make critical data on limb loss, limb preservation, and limb difference available to hospitals, clinics and individual providers, patients, manufacturers, payers, scientists, clinical researchers, and policy makers. The overall objective of the LLPR is to collect, standardize, and report patient outcomes data, support evidence-based decision making, enhance health care delivery, and establish and disseminate best practices. The speakers in this session will discuss the impact of the registry on clinical practice and prosthesis design with emphasis on payer and policy implications.

3:30 – 5:00pm

Evolution of Amputation and Limb Trauma Care in the Military Health Service 2001 to Today (C5)

Colonel Joseph Alderete, MD, FAOA
Colonel (retired) Andrea Crunkhorn, PT, DPT
Major (retired) Stuart Campbell, PT, MSPT
Joseph A. Miller, PhD, MS, CP

With the recent series of armed conflicts, the Department of Defense (DoD) has been at the forefront of the evolution of limb trauma and amputation management. This session will briefly cover the challenges and remaining gaps in managing limb trauma and amputation from the DoD perspective. The critical nature of Orthotists and Prosthetists as clinical specialties and as part of the multidisciplinary team will be highlighted throughout the session.

3:30 – 5:00pm

Non-Invasive Measurements of Residual Limb Health: Current and Future Implications (C6)

Molly Baumann, PhD
Jason Highsmith, PhD, PT, DPT, CP, FAAOP
Jason Kahle, MSMS, CPO, FAAOP
Matt Wernke, PhD

Residual limb skin health is a perpetual issue in prosthetic care. However, much research has been completed in this area in the last year. Top researchers in the field will share their cutting-edge results in this session. The effects of socket design on perspiration, socket motion on skin health, distal pressure, and non-invasive measurement techniques will be discussed.

FRIDAY

SEPTEMBER 30

7:45am

Professor Hans Georg Näder O&P Digital Care Award

8:00 – 9:00am

Award Winning Thranhardt Lecture Series (C7)

For over 20 years, the Thranhardt Award has been one of the most distinguished honors in the orthotics and prosthetics profession for researchers. *(The following presentations run consecutively within this program.)*

**Design and Testing of the Caesar Foot: A Bimodal Run-Walk Prosthesis (C7-A)**

Jennifer Johansson, MS

The Caesar foot is a bimodal prosthetic foot design that allows a single device to have optimized design, alignment, and biomechanics for both running and walking. This novel foot would provide the opportunity to participate in running and other running-based activities (e.g. basketball, etc.) for lower limb amputees who don't currently have the access to running feet due to the lack of insurance coverage.

Development and Validation of a Prediction Model for the Treatment Time of Deformational Head Shapes Using a Cranial Remolding Orthosis (C7-B)

Tiffany Graham, MSPO, CPO, LPO, FAAOP

A retrospective chart review was performed on 1,250 infants who were treated with a CRO at one of three treatment facilities. This data was used to create prediction models for the maximum treatment duration an infant is expected to have with a CRO to meet the measurement goals of the treating clinician. These models were tested against the retrospective results of 210 infants who received care at a different treatment facility and were found to have moderate accuracy. New predictive models which include all collected data (n=1,460) are proposed for future validation.

10:30am – Noon

Composite AFOs: Material Science and Latest Research (C8)

Fraser Allen, BSc

Tim Cooney, CPO

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

Eric Weber, CPO, LPO, FAAOP

Composite AFOs have made an impact on the field of orthotics by providing increased energy return and mobility while reducing weight. These benefits are experienced by everyday users, service members, and elite athletes alike. Composite science from materials experts will be presented along with clinical data from industry leaders in the space. Results on a recent clinical trial comparing advanced composite AFOs to traditional orthoses will also be presented.

10:30am – Noon

Adaptive Socket Technology: The Next Frontier in Prosthetic Care (C9)

Kate Allyn, CPO, FAAOP

Michael Carroll, PhD, MBA, CPO, FAAOP(D)

Conor Lanahan, PhD Candidate

Ciera Price, CPO, LPO

Have you ever had a patient struggle to maintain the fit of their prosthetic socket? Reliance on sock changes and manual socket adjustments is inconvenient and can be difficult to perform properly. A diverse group of panelists will share research focused on meeting this challenge via novel volume management strategies for persons with lower limb amputations. Come discover the latest innovations in adaptive socket technologies designed to enhance socket fit, reduce user burden, and improve overall function.

2:00 – 3:15pm

Veterans Affairs O&P Clinical Services: Past, Present, & Future Vision (C10)

Jeffrey Bott

Christopher Fantini, MSPT, CP, BOCO

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

Joseph Webster, MD

The US Department of Veterans Affairs orthotic, prosthetic, and pedorthic (OP&P) clinical service dates back to the World War II. Throughout history, the structure of the service has adapted and evolved to include research, technological development, procurement, and other focal areas. However, the primary mission is, and always has been, to provide clinical OP&P care for US Veterans. This session provides an abridged overview of the history of the VA's OP&P service including mission, structure, innovation, and vision for the future.



2:00 – 3:30pm

Prosthetic Knee Selection: Match Functional Principles and Clinical Evidence of Knees with Patients' Safety and Mobility Needs (C11)

Malte Bellmann, PhD, CPO

Andreas Hahn, PhD

Andreas Kannenberg, MD (GER), PhD

Phil Stevens, CPO

Shane Wurdeman, PhD, CP, FAAOP(D)

This symposium will present a new classification system of prosthetic knees that is based on their technical, biomechanical, and functional principles and that will allow for matching patients' safety and mobility needs with the most appropriate and best suitable knee mechanism. The classification comprises all non-microprocessor and microprocessor-controlled prosthetic knee types and provides valuable support for clinical decision-making by explaining which safety functions and activities are supported or not supported by the various knee mechanisms. The technical and biomechanical considerations of knee selection will be further strengthened by a review of the published clinical and scientific evidence on the various prosthetic knee mechanisms.

3:30 – 5:00pm

Lower Limb Orthotic Free Papers (C12)

Join us for a series of free paper presentations featuring novel research and treatment protocols.

Orthotic Research Initiative for Outcomes Analysis (ORION I): Predictors of PROMIS Physical Function in Stroke Survivors Seeking Orthotic Intervention (C12-A)

Shane Wurdeman, PhD, CP, FAAOP(D)

In a fee-for-value based care system, the ability to understand how ill or impaired a population is becomes more critical. This study demonstrates the magnitude of physical impairment among the unique population of stroke survivors that are seeking orthotic intervention.

AFO Use is Associated with Improved PROMIS Physical Function Outcomes (C12-B)

Shane Wurdeman, PhD, CP, FAAOP(D)

A retrospective analysis was conducted on completed PROMIS-Physical Function outcomes among adults seeking an ankle foot orthosis (AFO) intervention. This study highlights that the receipt of a new AFO, or replacement in cases where the current AFO is insufficient, can have a significant positive impact on physical function.

Large-Scale Administration and Calibration of The Orthotic Patient-Reported Outcomes—Mobility (OPRO-M) Item Bank (C12-C)

Geoff Balkman, PhD, CPO

The purpose of this study was to calibrate items and develop short forms for the Orthotic Patient-Reported Outcomes—Mobility (OPRO-M) item bank. OPRO-M is the first item bank developed specifically for evaluating mobility of lower limb orthosis users. The instrument may be valuable to clinicians, as the abbreviated forms minimize interruptions to patient care and the items include situations that are likely to be affected by orthotic interventions.

Controlling Lateral Thrust Gait Could Prevent the Progression of Osteoarthritis: A Case Study (C12-D)

William Stuart, CPO

Lateral thrust is a debilitating deformity of the knee which often progresses to osteoarthritis of the medial compartment. This presentation and case study will demonstrate the success that can be achieved with an innovative KAFO casting and bracing technique to realign the knee in all three planes.

Effect of Ankle-Foot Orthoses (AFOs) on Longer Duration Walking in Persons with Post-Stroke Hemiplegia (C12-E)*Rebecca Stine, MS*

The purpose of this study was to evaluate whether walking efficiency (O2 cost) and deviations (e.g. excess swing plantarflexion, stance knee hyperextension, vaulting, circumduction, hip hiking) during continuous walking were reduced by a clinically-prescribed AFO and a 'tuned' AFO-FC compared to shoes alone.

Reduction in Pain and Pain Interference After C-Brace Fitting: Interim Results from the International C-Brace® Registry (C12-F)*Russ Lundstrom, MS*

Interim results from the C-Brace Registry reveal reduction in pain and pain interference in the majority of subjects. The Numeric Pain Rating Scale was used to measure pain at various areas of the lower limb, and the PROMIS Pain Interference Short Form 6a was used to measure the extent to which pain interferes with daily living.

Soleus Muscle Activation During AFO-Footwear Combination Use Reveals New Insights on Neuromuscular Adaptation to Constraint of Ankle Motion (C12-G)*Christopher Hovorka, PhD, CPO, FAAOP*

Despite the prevalence of AFOs, there is surprisingly little knowledge of the relationship between orthotic constraint of motion and neuromuscular adaptation – hence a greater understanding of the neural response to use of orthoses could provide insights to inform rehabilitation protocols. This study examined the relationship between orthotic constraint of ankle motion and motor output of the Soleus muscle – a key muscle that influences walking. Findings reveal during ipsilateral ankle constraint - significantly different patterns of Soleus muscle activation between ipsilateral and contralateral legs during walking, in addition to significantly different patterns in activation between ankle motion control conditions (maximal constraint, free motion and no orthosis-control condition).

Reduction in Falls and Fall Risk After C-Brace Fitting: Interim Results from the International C-Brace Registry (C12-H)*Russ Lundstrom, MS*

Interim results from the C-Brace Registry reveal reductions in fall risk and in fall frequency in the majority of subjects. Timed Up and Go tests and the Activity-based Balance Confidence scale can be used to identify patients at increased risk of falls and inform clinical decisions.

Determining AFOFC Heel Wedge Height Using Electronic Calculator (C12-I)*Claire Vallery, MPO**Jennifer Richards, MA, CPO*

This paper presents an electronic heel wedge calculator that uses trigonometric equations to mathematically determine initial heel wedge height, based on the goal shank inclination, the ankle angle of the AFO, and the pitch of the shoe sole. This calculator enables clinicians to design an AFO-footwear combination (AFOFC) in the precise alignment required to achieve the goal SVA for normalizing gait kinematics.

3:30 – 5:00pm

Development of Adaptive Vacuum Suspension to Improve Prosthetic Fit and Residual Limb Health & Function (C13)*Jeff Denune, CPO**Sashwati Roy, MD**Chandan Sen, MD**Matt Wernke, PhD*

Achieving a proper socket fit and suspension is critical to the success of the prosthesis and preservation of soft tissue health. Current techniques for fitting a prosthetic socket lack quantitative measures. Prosthetists aim to limit movement inside the socket. However, the degree of movement is determined by visual inspection by the prosthetist. Further, limited research has been conducted to determine the relationship between movement of the limb inside the socket and limb health. The presenters recently concluded a five-year Department of Defense funded clinical trial with a randomized crossover design testing the efficacy of adaptive socket system (EVS) that detects in-socket residual limb motion and dynamically adjusts internal socket negative pressure to optimize fit and performance. The proposed symposium will discuss unpublished data from this study.

9:15 – 10:30am

Evolution of Education and Developing the Next Generation of O&P Practitioners (C14)

Michael Carroll, PhD, MBA, CPO, FAAOP
Chad Duncan, PhD, CRC, CPO
Jason Highsmith, PhD, PT, DPT, CP, FAAOP
Matthew Parente, MS, PT, CPO, FAAOP

The next generation of O&P practitioners are faced with a unique set of circumstances. However, higher learning and residency programs are adapting to combat these issues head on. An overview of the incoming student bodies of new and established programs will be discussed in addition to innovative education solutions. A presentation of the recently modernized VA residency program will also be included.

9:15 – 11:00am

Got a Hand? Getting the Best Outcomes with an Interdisciplinary Team (C15)

Mary Beth Geiser, PT, DPT, OCS, FAAOMPT
Aadeel Akhtar, PhD
Kate Ketelhohn, Patient
Molly Linquist, CPO, LPO

Participants attending this session will learn what steps were needed by distant collaboration of a multi-disciplinary team to help a motivated patient find the optimal below-elbow prosthetic device for daily function. Participants will hear personal accounts from the patient, (Kate) and several of her interdisciplinary teammates about the joys and struggles that occurred while preparing a teenager for her future life at college. Those in attendance will learn how the prosthesis type was selected and constructed, and which rehabilitation interventions enhanced the functional use of the fabricated prosthesis. Hear how a small group of creative professionals pooled their expertise and helped a high school senior find “the perfect hand” to unlock her independence. The presentation will also briefly discuss the economic burdens and insurance factors involved in the case.

10:30am – Noon

Applications and Innovations of 3D Printing in Orthotics: A Digital and Clinical Joint Program (C16/D12)

Thomas Gavin, CO
Jiri Rosicky, PhD, CO
Sagar Shetty, BOCPO
Brent Wright, BS, CPO

3D printing or additive manufacturing has recently been proported as the future of O&P. Well, the future has arrived! This presentation will provide data demonstrating the durability of 3D printed orthotic devices. Representatives of the “Old School” practitioner base will provide their experience taking the leap of faith into the digital manufacturing space and the results of their initial capital investment. Attendees will also be provided a glimpse into the next frontier of additive manufacturing and how CAD/CAM can open new markets with innovative products.

11:00am – Noon

Caring for the Upper Limb Patient (C17)**Well-Being Among Individuals with Upper Limb Amputation Is Strongly Correlated with Bi-manual Function, Activity and Participation and Prosthetic Satisfaction (C17-A)**

Phil Stevens, MEd, CPO

Well-being, satisfaction, and quality of life are overarching aims of rehabilitation when working with individuals with upper limb deficiency. This retrospective analysis of 250 patients identifies those variables that appear to correlate most closely with well-being in this population. These include bi-manual function, prosthesis satisfaction, and activity and participation levels.

Comparison of Upper Extremity Myoelectric Interface and Control Methodologies: A Preliminary Report from the First Fifteen (C17-B)

Matt Wernke, PhD

Myoelectric control of a prosthesis is dependent on clean sEMG signals. This presentation will compare objective and subjective outcomes when using standard and emerging technologies in a longitudinal study.

Remote Monitoring of Electrode Liftoff During Real-World Upper Limb Myoelectric Prosthesis Use for Evaluating Interface Fit (C17-C)

Zachary Wright, PhD
Blair Lock, MSE, PEng

Myoelectric prostheses require that the EMG sensors maintain contact with the skin surface while controlling an upper limb powered device. We developed a method to detect and record electrode liftoff events which can be used to remotely monitor interface fit. This study investigates the frequency of electrode liftoff among myoelectric prosthesis wearers over a two-week period of at-home device use.



The International Transradial Adjustable Limb (ITAL) Used as a Single “Transformer” Trans-Radial Prosthesis: From Immediate/Preparatory Body Powered Through a Trial External Powered Prosthesis (C17-D)

Karl Lindborg, CPO, LP

Preparatory upper limb prosthesis and early fittings for transradial level absence have often been under-utilized. The use of components like the Fillauer Nexo can serve as a fitting frame and the Koalaa soft prosthetic arms can provide early fitting for upper limb absence. The ITAL by Touchwear offers a complete socket solution for transradial amputees that can be retrofitted with a socket interface and external powered QWD for trial and short term use of a myoelectric hand.

Consensus Clinical Standards of care for Unilateral Transradial Amputation (C17-E)

Erin O'Brien, CPO, FAAOP

The treatment of patients with upper limb amputation/deficiency can prove difficult for most prosthetists, due to the lack of definitive evidence on when to provide a prosthesis and what type is most appropriate. This session will cover the Delphi survey process to generate clinical practice guidelines for the unilateral transradial amputee, as well as the guidelines themselves. Attendees will leave with a better understanding of the importance of clinical practice guidelines in clinical application and with an appreciation of the decision making that can be applied when seeing this specific patient population.

Pattern Separability Visual Feedback to Improve Pattern Recognition Decoding Performance (C17-F)

György Lévy, MSE

Megan Hodgson, CPO

Pattern recognition control of upper limb myoelectric prostheses has become a common alternative to direct control in the past decade. However, during the training process, there is little visibility on how changes in muscle contractions and EMG signals affect the overall classifier, and the visualizations that do exist do not properly capture the multi-dimensionality of the data. The visual feedback system presented here generates a 3D space to provide users with a clearer mapping between the algorithm and prosthesis control, thus having the potential to improve classifier performance.

1:00 – 2:00pm

Pediatric Treatment in Orthotics and Prosthetics (C18)

Side Effects of Cranial Remolding Orthoses: A Multi-site Review (C18-A)

Tiffany Graham, MSPO, CPO, LPO, FAAOP

Cranial Remolding Orthoses (CROs) are commonly used to treat deformational head shapes. In total, 5,025 surveys regarding the CRO treatment of 453 patients at four treating facilities were reviewed in order to examine the incidence of side effects for this population.

Revising the Cephalic Index (C18-B)

Amy Barrios, CPO

The commonly referenced cephalic index (CI) chart used to establish coverage policy is based not only on dated information from prone sleepers, but also obtained primarily from a population of older children and young adults. The historical definition and development of the CI is extremely important in understanding the limitations of the commonly referenced CI chart and the need for efforts to update this critical information used in the treatment of infants with skull deformities.

Five & Ten Year Follow Up on Pediatric Bone Synostosis Amputees (C18-C)

Burhan Dhar, CPO

Best outcome from prosthetic management in pediatric amputees depends on the quality of amputation performed. A good quality amputation leads to limitless life for young amputees. It also ensures best health of residual limb for many decades ahead.

SATURDAY OCTOBER 1 (CONTINUED)

1:00 – 3:00pm

Prosthetic Free Papers (C19)

Caring for the Lower Limb Prosthetic User.

Hip Strength, Performance-Based Function, and Falls After Unilateral Transtibial Amputation (C19-A)*Samantha Stauffer, MSOP, CPO*

Among older adults, hip strength deficits are predictive of activity limitations and have been indicated as a risk factor for falls. This study sought to determine whether clinically-assessed hip strength was associated with function and falls among adults with unilateral transtibial limb loss.

Lifetime Mobility Values Following Lower Limb Loss (C19-B)*Bretta Fylstra, PhD*

The purpose of this study was to stratify mobility outcomes for each year of patient age for the primary causes of lower limb amputation. Findings from this analysis will enable more individualized mobility goal setting for patients specific to their age, etiology, and amputation level, as well as additional factors such as device type.

Best Practices for Evaluating Lower Limb Prosthetic Users in a Physical Therapy Clinic (C19-C)*Cassandra Delgado, MSPO, CPO*

This presentation will give practical clinical examples on how to optimize fitting a prosthetic patient in a physical therapy setting. From how to prepare for an on-the-road fitting, to coordinating with a physical therapist, to growing your community relationships, this open discussion will provide the opportunity to discuss ways to improve prosthetic care with a PT in a practical manner.

Pilot Study of Community-Based Rehabilitation Program for Unilateral, Transtibial Amputees in Houston, Texas (C19-D)*Ashley Mullen, PhD, MSAT, CPO**Jonathan Naber, MSc PHDC, BSEng*

This presentation will review the results of a pilot program of community-based rehabilitation (CBR) conducted with access-limited people with amputation in Houston, Texas. In this pilot, a group of 10 participants received virtual check-in calls, service coordination, and prosthetic standard of care. Outcomes were taken at baseline, midpoint (2 months), and endpoint (4 months), and statistically analyzed.

Varying Spatiotemporal Responses are Seen Alongside Kinematic Improvement During Knee Exoskeleton Use in Children with Crouch Gait: What makes a Child Respond Positively in All Areas? (C19-E)*Kinsey Herrin, MSPO, CPO, LPO, FAAOP*

Exoskeleton technology shows promise for improving mobility and quality of life for individuals with gait dysfunction. In this study, we report the biomechanical and clinical outcomes associated with the use of a novel knee exoskeleton in children with crouch gait.

Microprocessor Feet Improve Prosthetic Mobility and Physical Function Relative to Non-microprocessor Feet (C19-F)*Eric Weber, CPO, LPO, FAAOP(D)*

The data collected in this convenience sample of prosthesis users maintaining their transtibial socket while transitioning from a non-MPF to an MPF provides additional insights beyond the controlled laboratory environments from which much of the evidence to date has relied upon.

Towards a Clinical Decision Algorithm for Prescribing MPKs in Individuals with Above Knee Amputation (C19-G)*Kinsey Herrin, MSPO, CPO, LPO, FAAOP*

Patient specific prosthetic prescription is important for successful prosthetic use and this pilot work demonstrated patient specific performance with different MPK technology. This highlights the need to define predictive factors that will best predict patient outcomes to help select the best MPK for a patient with amputation.

The Effects of Microprocessor Knees on the Disparity in Falls Prevalence Between Transfemoral and Transtibial Prosthesis Users (C19-H)*Katherine Davies, MEng, BSc, CPO*

The risk of a lower limb prosthesis user falling is known to increase with the level of amputation. MPKs reduce fall prevalence in users and were shown to mitigate the increased level of risk between transfemoral users and that of transtibial users.

Impact of Polycentric Ankle Technology: Self Reported Outcomes Following Community Use (C19-I)*Matt Wernke, PhD*

Recent develops have led to the commercialization of prosthetic feet with frontal plane ankles. Do these mechanisms provide any benefit? Join this presentation to find out.

Does Wearable Technology Improve Patient Outcomes? A Multi-Site, Randomized Clinical Trial (C19-J)*Jason Kahle, MSMS, CPO, LPO, FAAOP**Jason Highsmith, PhD, PT, DPT, CP, FAAOP*

This study provides objective outcome measures of how intermediate prosthetic users with SST+P technology may enhance functional human performance through improved comfort and residual limb health in the below knee amputee. Remote patient monitoring (RPM) and wearable technology allow clinicians to monitor their patients and automate monitoring 24/7/365. Physicians have implemented RPM into their clinical practices of chronic care patients. Understanding the indications and advantages of RPM in healthcare could help prosthetic and orthotic users improve outcomes in the future.

Factors that Influence Acceptance or Abandonment of a Powered Prosthetic Foot (C19-K)*Andreas Kannenberg, MD (GER), PhD*

Abandonment rates of powered ankles/feet are relatively high. Therefore, it is important to understand what factors have an impact on acceptance and abandonment of these ankles/feet. In our study with 46 subjects, main reasons for abandonment were: lack of clinical benefits or mismatch of clinical benefits and technology trade-offs.

Clinical Outcomes and Gait Parameters That Predicted Falls and Near-Falls in Individuals Who Use Unilateral Lower-Limb Prostheses (C19-L)*Graci Finco, CPO, LPO, MS*

Unilateral lower-limb prosthesis users commonly experience falls. How can you assess fall risk in your clinic? Learn which clinical outcome measures and gait parameters were most predictive of falls in this population.

3:15 – 4:45pm

Prosthetic Sockets—the Foundation of Amputee Care (C20)**Comparison of Laminated Sockets to Polymer Sockets: Results of A Multi-Center Clinical Trial (C20-A)***Gary Berke, MS, CP, FAAOP*

This paper demonstrates the clinical efficacy of polymer sockets as they compare to current laminated systems. In this IRB approved, multi center study, 42 subjects responded to validated measures comparing the two systems.

Preliminary Findings of a Clinical Trial Comparing Adjustable Transfemoral Sockets (C20-B)*Luis Nolasco, PhD*

To enhance the understanding of potential benefits of adjustable sockets, this clinical trial investigated three commercially available adjustable sockets in people with transfemoral amputation. Self-reported mobility (PlusM) and functional mobility tests were used to assess each socket. Our preliminary results show that commercially available sockets may have a lower success rate than standard-of-care laminated sockets. However, a few participants were successful in each socket design.

Transtibial Prosthetic Socket Interface Pressures: A Comparison of a User's Interface Pressures to a Modified ISO 10328 Test with Artificial Limb Model Used For Socket Structural Testing (C20-C)*Gary Berke, MS, CP, FAAOP*

A novel method of testing socket strength. Comparison between pressure measurements in human subjects and instron-testing machines is a critical first step.

Development of a Lower Limb Socket Fit Sensing and Management System to Support Prosthetic Sock Management (C20-D)*Benjamin McDonald, MS**Kierra Falbo, MPO, CPO*

Socks are the most common method of adjusting socket fit because they are inexpensive and effective when used properly. However, individuals with amputations regularly struggle to manage proper socket fit using prosthetic socks with prosthetists reporting multi-ply variability from an ideal fit. We have developed and tested a prototype device that can distinguish “good” socket fit from “too many” or “too few” socks.

Towards The Development of Bench Testing for Lower-Limb Prosthetic Sockets (C20-E)*Francesca Gariboldi, MEng**Andrea Giovanni Cutti, PhD, MEng*

The mechanical properties of lower-limb prosthetic sockets are unknown because of the absence of widely accepted guidelines and standards dedicated to their construction and testing. The purpose of this study was to design a mechanical testing system for lower-limb prosthetic laminated sockets and conduct preliminary mechanical tests on alternative socket layouts, to understand to which extent socket design can influence its ultimate strength.

An Investigation of the Clinical Performance of a New Socket System—Connect TF (C20-F)*Steinþóra Jónsdóttir, MPH*

Learn the clinical performance of a new prefabricated socket system intended for use by low active above-knee prosthesis users. Data from 19 subjects collected at three sites (Sweden, Iceland, and the USA) are included in the study. Results indicate improvements in comfort, residual limb health, stability, donning satisfaction, and fitting time compared to conventional sockets.

Transfemoral Socket Fabrication Method Using Direct Casting: Outcomes Regarding Patient Satisfaction with Device and Services (C20-G)*Christian Smith, CPO**Russ Marable, Product Manager, Össur*

Transfemoral Direct Socket, is a unique, innovative and effective means of fabricating an interface directly on the residual limb. Introduction to the interface system, initial IRB data and training requirements.

Moisture Mitigation Using Perforated Liner and Socket System for Individuals with Transfemoral Amputation (C20-H)*Jeffrey Denune, CP, LP*

A scientific look at how vented liners and socket systems can play a role in controlling residual limb humidity and temperature.

Post-Mastectomy Education

new
two day
program

Join the conversation to learn the latest innovations and treatments for post-mastectomy care in our NEW two-day program. No matter your level of experience, this program has been tailored to provide you with a top-notch educational experience.

WEDNESDAY SEPTEMBER 28

9:00 – 10:00am

Opening and Patient Journey (PM1)

Rachel Brown, CMF, CFm

A breast surgery patient's "journey" is not linear, and she may need a wide variety of products as she navigates her way through surgery recovery and beyond. We will review a foundational concept of the breast cancer patient journey and what it means to your business. During this presentation you'll learn the product segments that will best serve your patient through each phase of surgery, and throughout her lifetime. Understanding your patient, and all the ways you can serve her, will set the tone for your time in the post-mastectomy workshops.

10:30am – 12:30pm

ABC Custom Breast Prosthesis: What's in It for You? (PM2)

Nikki M. 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.

2:00 – 4:00pm

Post-Mastectomy Care: How to Add Revenue and Be More Visible In Your Community (PM3)

Rachel Brown, CMF, CFm

Lesleigh Sisson, CFom

Please join the Amoena team for a two-hour workshop especially designed for AOPA. This course will guide you through the steps of building your post-breast surgery business, addressing potential problems, and providing solutions each step of the way.

- Master the "good, better, best" pricing levels—what to know and what to show
- Realize details of inventory requirements to start effectively utilizing space, and begin fitting customers
- How to certify, and privilege qualified staff to care for women in your community
- Facility accreditation requirements to do mastectomy fittings
- Learn about the latest breast prosthesis innovation available and how to offer it with little overhead cost
- Understand the breast cancer patient journey and how to meet your customer where she needs you
- Capitalize on Amoena as a business partner to help support your growth



Keep learning!

**The virtual program will be available
October 17 – December 17.**



THURSDAY

SEPTEMBER 29

-
- 10:30am – Noon **Keeping Pace with Surgical Advancements—Partial Forms Play a Key Role (PM4)**
Margy J. Imlay, CFm, CMF
Rebecca E. Weldon-Martin, CFm, CMF
Rachel Brown, CFm
Alicia Correa, CMF
Moderator: Tanya Baer, CFom
 With a rise in alternative surgeries (lumpectomy, partial mastectomy and reconstruction) in place of the radical and modified radical mastectomy, many more breast cancer survivors require non-traditional breast forms. Partial forms have been available for many years but are they fully embraced by the professionals entrusted with guiding women through this delicate process? Join a panel of experts in the post-mastectomy care community as they discuss how the advancements in surgeries has created more challenging fittings for Certified Mastectomy Fitters.
-
- 2:00 – 2:45pm **Business Proposition: Providing Post-Mastectomy Care (PM5)**
Lesleigh Sisson, CFom
 We will discuss essential business considerations when providing post-mastectomy care in your practice. including personnel, accreditation, cost of goods, inventory, coding, and marketing.
-
- 2:45 – 3:15pm **Certification and Accreditation—What you Need to Know (PM6)**
Jim Lawson
 Join us to learn about ABC's accreditation standards and how to be compliant. We'll review best business practices and how they relate to your accreditation and examine the requirements to become an ABC Certified Mastectomy Fitter.
-
- 3:15 – 3:30pm **Break**
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- 3:30 – 4:15pm **Medicare LCD and Policy Article for External Breast Prostheses (Coverage Criteria) (PM7)**
Lesleigh Sisson, CFom
 During this presentation we will review the Medicare External Breast Prostheses Local Coverage Determination and Policy Article. Our discussion will include: coverage criteria and coding, refills and replacement, modifiers and upgrades, documentation requirements, and resources and reminders.
-
- 4:15 – 5:00pm **An In-depth Look at Quality of Life and Survivorship After Breast Cancer (PM8)**
Nikki M. Giamarino, CFm
 Quality of life (QOL) after a breast cancer diagnosis and treatment is an important aspect of a patient's journey that should not be overlooked. This presentation will look at a QOL model and its relationship to survivorship. Important aspects such physical wellbeing, spiritual wellbeing, psychological wellbeing, and social wellbeing will be explored. A compelling video which features a variety of breast cancer patients and their journey, including how each one accepted and tackled their breast cancer, will round out the QOL section. The presentation will then explore information on how to relate to breast cancer patients and how to provide the best care, support, and service!
-

Pedorthic Education

Join us for a stellar line up of presenters and significant Pedorthic education topics.

THURSDAY SEPTEMBER 29

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- 10:30 – 11:15am **Podiatrist: Friend or Foe? (P1)**
Brian Lane, CPed
At times the OPP industry can be very protective of the knowledge, training and understanding of the lower extremity needs of patients. It is our job to be part of the comprehensive care approach in treating various conditions. Discussing the patient care options with a podiatrist could be a great opportunity or is it a concern for patient safety?
-
- 11:15am – Noon **TSPD: The Six Qualifying Foot Conditions (P2)**
Erick Janisse, CO, CPed
Yes, Medicare covers therapeutic shoes and inserts for their beneficiaries with diabetes. But having diabetes alone isn't enough. The patient also needs to have one (or more) of the six so-called "qualifying foot conditions" listed on the Statement of Certifying Physician form. In this session, we'll take a close look at what conditions do - and do not - qualify a patient for the TSPD benefit.
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- 2:00 – 3:15pm **Arch Mechanics and the Plantar Fascia (P3)**
Séamus Kennedy, BEng (Mech), CPed, FAAOP(A)
There are at least 6 separate mechanisms that maintain the arch of the human foot. Understand how they work together dynamically to share load during ambulation, and how they inform the design of foot orthotics.
-
- 3:30 – 4:15pm **Creative Management of the Cavovarus Foot (P4)**
Dennis Janisse, CPed
Sometimes managing the Pes Cavus Foot can seem difficult and challenging, but for the most part it is straight forward, addressing similar issues/characteristics. In this presentation we will discuss types, causes, and how to treat the Cavus Foot footwear' modifications and foot orthoses.
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- 4:15 – 5:00pm **Shoe Sizing: Unraveling the Madness (P5)**
Erick Janisse, CO, CPed
Regardless of whether you are a grizzled "shoe dog" or brand new to the world of shoe- fitting, one thing remains consistently inconsistent (and frustrating) – shoe sizing. Why do shoes fit so differently depending on which manufacturer made them? In this session we will explain the thinking behind the shoe design, manufacture, and sizing processes.
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FRIDAY

SEPTEMBER 30

- 10:30am – Noon **Plantar Fasciitis: Biomechanics and Orthotic Fundamentals (P6)**
Géza Kogler, PhD, CO, CPed
Review the Biomechanics and Orthotic Fundamentals of Plantar Fasciitis.
- 2:00 – 3:15pm **Treating the Intrinsic Minus Foot: Preventing the Forces Causing the Destruction of the Diabetic Foot (P7)**
Katia Langton, CPed, CPed(C), DC
It is imperative to recognize the early stage Neuropathic foot and prevent medial and lateral column loading forces in Risk Category 1 and 2 in order to protect these foot types from deformation and distortion. Our clinical goal is to halt progression to the destructive Risk Category 3 which encompass ulcers, amputations and the dreaded Charcot foot.
- 3:30 – 5:00pm **Is it Failure of the Posterior Tibial Tendon or is it Progressive Collapsing Foot Deformity? (P8)**
Naomi Shields, MD
For years adult onset flat foot deformity has been called posterior tibial tendon (PTT) dysfunction and graded stages 1-IV. Recognition that the PTT may or may not be the primary driver for flat foot deformity has led to change in nomenclature to “Progressive Collapsing Foot Deformity” (PCFD) and a new classification system. This talk will review the different components of the adult acquired flat foot and the classification of progressive collapsing foot deformity. There will be time for discussion built into the talk.

SATURDAY

OCTOBER 1

- 9:15 – 10:15am **Pedorthic Management of Severe Deformities: Custom vs. Modified Footwear (P9)**
Dennis Janisse, CPed
This presentation will explore the necessity for custom/customized shoes and will include discussion of the different pathologies and deformities best managed by such shoes. There are cases in which the barriers to providing custom shoes exist; therefore we will look at both commercially available shoes and unique modifications that can transform an off-the-shelf shoe into a customized shoe. This last option may often be a viable alternative to an actual custom shoe.
- 10:15 – 11:15am **To Fuse or Replace: Dilemma of Ankle Replacements (P10)**
Naomi Shields, MD
Advanced ankle arthritis is a challenging and painful disease for patients. This talk will cover treatment options including orthotics, AFO and surgical options with a history of total ankle replacements, indications and contraindications.
- 11:15am – Noon **Trends Affecting Your Orthotic, Prosthetic and/or Pedorthic Practice—A Look into the Future (P11)**
Brian Lane, CPed
Your OP&P practice has been put to the test during the pandemic and has excelled with flying colors. What are some of the factors that can accelerate—or put on the brakes—the role of OPP teams? Five current and future trends to watch for will be discussed that will influence how OPP teams operate today and tomorrow.



Keep learning!
The virtual program will be available
October 17 –December 17.

Technical Education

Join us for an interesting and relevant technical education program created for technicians by technicians. Technicians, and fabricating practitioners are being invited to share a 3-minute video on a fabrication tip or trick. The audience will select the winner(s) and cash prizes of \$500, \$250, and \$100 will be awarded.



THURSDAY SEPTEMBER 29

10:30 – 11:30am	Current Concepts in Thermoplastics (T1) <i>Jeff Wilson</i> Learn about the families and melt profiles of O&P Plastics, residual stress in plastic sheet, and making plastic an income generator.
11:30am – Noon	Thermoforming Over Foam (T2) <i>Speaker to be announced.</i> Acquire new skills and techniques when thermoforming over foam.
2:00 – 3:15pm	Advancements in Thermoplastics—Blister Forming vs. Drape Molding New Material (T3) <i>Dan Hickey</i> Review advancement in thermoplastics, including blister forming vs. drape molding new materials.
3:30 – 5:00pm	Fabrication of a Symes Prostheses Based on Individual Function Level (T4) <i>Scott Wimberly, RTPO</i> Learn fabrication methods for a Symes Prostheses based on individual function levels.

FRIDAY SEPTEMBER 30

10:30am – Noon	Silicone Partial Hand (T5) <i>Ahmahn Peebles, CPO, LPO, ACSM CPT-EIM</i> Learn Partial Hand and finger options. The presentation will cover both passive and active devices readily available.
2:00 – 3:15pm	Click Medical Advanced Adjustable Socket Design (T6) <i>Joe Mahon, CP</i> The patented RevoFit® system allows a practitioner to create a wide variety of solutions to improve socket fit and function. Learn how to empower your patients and create better outcomes while also increasing your practice efficiency by learning advanced techniques to design and build adjustable sockets.
3:15 – 3:30pm	Break
3:30 – 5:00pm	Fabrication Tips and Tricks (T7) <i>Various Presenters</i> 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.

SATURDAY OCTOBER 1

9:15 – 10:00am	Dynamic Bracing that Moves with the Patient for Adults & Pediatrics (T8) <i>Jennifer Fayter</i> An AFO that helps to improve gait, supports the limb, minimizes pain, while providing a combination of strength and flexibility for patients.
10:00am – Noon	Sewing Machine Repair (T9) <i>Speaker to be announced</i> Learn diagnostic, cleaning, tune-ups, maintenance, and repairs for commercial sewing machines.

Digital O&P Care Education

The Digital O&P Care Education Workgroup was created because AOPA found that the process of digital transformation in our profession has progressed to a point where this topic deserves a dedicated track during the Assembly. As part of the Digital O&P Care Education Track, we are holding a Digital O&P Showcase for Exhibitors who participate in this space to share their outcomes when working from the same patient file.

FRIDAY

SEPTEMBER 30

new
education
track

10:30 – 11:00am

**Optimizing Socket Comfort And Prosthetic Alignment
Utilizing Portable Socket Pressure-Sensing Technology (D1)**

Cassandra Delgado, MSPO, CPO

It is challenging to obtain an optimal socket fit and prosthetic alignment when there is limited patient feedback. This case study series discusses challenging patient presentations, explores using portable pressure-sensing technology to improve patient outcomes, and educates clinicians on how to optimize their clinical workflow with technological advances.

11:00 – 11:30am

Patient Outcomes Process for the Future: Digital Data Collection (D2)

Jordan Poynter, CPO

Renée Van Veld, PT, DPT

We will present practical information from an experienced O&P practice about implementing a process and a digital method of collecting outcome measures validated in the amputee population. Data collected includes patient reported and patient performance measures as well as demographics. Common perceived barriers to collecting outcome measures will also be discussed and possible resolutions offered.

11:30am – Noon

Extracting Meaningful Data from your Digital Workflows (D3)

Joshua Steer, PhD

Jenny Bramley, PhD, CEng

Digital workflows result in the collection of vast amounts of scan data which has long been identified as a crucial resource in a more evidence-based O&P design process. Recent advances from research and industry have put powerful, free tools into the hands of clinicians to extract meaningful data from these scans. This education presentation will introduce clinicians to currently available tools, and present some example use cases to show how they might maximize the value of their existing data towards more evidence-based design processes.

Noon – 2:00pm

Break in Exhibit Hall (Lunch available from Noon -1:00pm)

2:00 – 2:50pm

**The Missing Costs: Framework for Evaluation of the
True Cost of Fabrication in O&P (D4)**

Darren Jacoby, MS

Leo Haenni

Learn to evaluate the cost/benefit of internalizing work versus outsourcing it. Attendees will also learn about new components of the fabrication process that can be externalized given advancements in new technology.

2:50 – 3:15pm

Mary Free Bed's Transition from Traditional Fabrication to Digital O&P Care (D5)

Stella Thai, MSPO, CPO

With increasing prevalence of digital shape capture and modification software in O&P care, Mary Free Bed is aiming to improve efficiency and decrease costs of modification and fabrication at satellite offices. This presentation will detail why this transition is occurring, what factors are being considered throughout the transition, how this transition will take place across satellite offices, the obstacles and learning curves that clinicians are facing and adapting to throughout the process, and overall improvements efficiency and work-life balance after implementation.

3:30 – 4:00pm	<p>Beyond Test Sockets: Level-Up to Definitive Sockets Using MJF and Review Some of the Biggest Trends and Common Failures in the 3D Printing Space (D6) <i>Dustin Kloempken</i> <i>Brent Wright, CP, BOCO</i></p> <p>The O&P Industry is moving and innovating in the digital space. Fast production with FDM and lightning-quick foam carving for traditional fabrication techniques are great for test sockets —but what about definitive 3D printed sockets? Join us as we dive into the production of definitive sockets using HP Multi Jet Fusion to close the loop and stay digital. In this session, we will review the current trends and common failures in the 3D printing space and lay out what can be done to level up and take this process into the digital era.</p>
4:00 – 4:30pm	<p>Hybrid Digital Workflow and Problem Solving (D7) <i>Drew Meyer, CPO, MSPO</i> <i>Brent Wright, CP, BOCO</i></p> <p>There are a variety of hybrid traditional/digital workflows at use in the industry today. We'll break down the basics of hybrid workflows, explore why hybrid workflows are useful, how to problem solve common issues, and how to work effectively with skilled digital designers/technicians.</p>
4:30 – 5:00pm	<p>Limb Adjustment in a Digital Environment Based on a Human Body Avatar for the Production of Orthotic Devices (D8) <i>Bianca Weber, BME, MBA</i> <i>Benjamin Groeschel, MEng</i></p> <p>In the O&P field, 3D technology enables the creation of individualized medical devices that are tailored to perfectly fit the patient's anatomy. After the acquisition of the patient's 3D scan, the data needs to be processed before it can be used to design medical devices. A big challenge in processing the 3D data involves digitally correcting the patient's joint posture to achieve a neutral position that can be used for fitting of a customized orthopedic aid.</p>

SATURDAY OCTOBER 1

9:15 – 9:35am	<p>Does it Smell Phishy? Practical Computer Policy and Cyber Awareness (D9) <i>Rebecca Snell</i></p> <p>Education about our physical and virtual computer environment is the keystone for keeping our patients' and practice data safe. Knowing the questions to ask and the development of an action plan fulfills both federal mandates and accreditation requirements. Common sense policies toward our equipment and its use, and guidance for connectivity with the world outside our own domains can achieve these goals to create a productive, practical, "phishy" free workspace.</p>
9:35 – 9:55am	<p>Video-Based Smartphone Photogrammetry for the 3D Modeling of Residual Limb Plaster Casts in Lmics (D10) <i>Amaya Schilder, BSc, MSc</i></p> <p>3D scanning by the use of smartphone photogrammetry has the potential to increase the availability and affordability of the education of prosthetists and the production of prostheses, especially in low- and middle-income countries. In this presentation, a research paper on the feasibility of this method and factors affecting it will be discussed.</p>
9:55 – 10:15am	<p>Accuracy, Reliability and Repeatability of Scanning Residual Limb Models Using The Einscan Pro 2x Plus (D11) <i>Andrea Cutti, PhD, MEng</i> <i>Stefania Fatone, PhD</i></p> <p>Use of hand-held scanners to capture residual limb shape is becoming more common in the field of prosthetics. However, we know very little about the performance of different scanners. Hence, the purpose of this study was to assess the accuracy, reliability and repeatability of the EINSscan Pro 2X Plus for use with positive residual limb models used in prosthetics.</p>

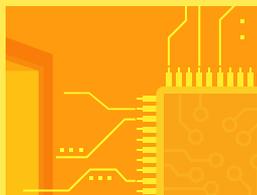
10:30am – Noon

Applications and Innovations of 3D Printing in Orthotics: A Digital and Clinical Joint Program (C16/D12)

Thomas Gavin, CO
 Jiri Rosicky, PhD, CPO
 Sagar Shetty, BOCO
 Brent Wright, BS, CP, BOCO

3D printing or additive manufacturing has recently been proported as the future of O&P. Well, the future has arrived! This presentation will provide data demonstrating the durability of 3D printed orthotic devices. Representatives of the “Old School” practitioner base will provide their experience taking the leap of faith into the digital manufacturing space and the results of their initial capital investment. Attendees will also be provided a glimpse into the next frontier of additive manufacturing and how CAD/CAM can open new markets with innovative products.

Noon – 2:00pm



O&P Digital Care Showcase

The Digital O&P 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.



Keep learning!
 The virtual program will be available
 October 17 –December 17.

Contests and Showcases

Technical “Tips and Tricks” Contest

Participate to Share —
 Participate to Win!



Fabrication Tips and Tricks. This session will be based on your short videos on a fabrication tip or trick. Videos should be 3 minutes (or less) in length (but no longer than 5 minutes.) Videos can focus on a tool, fabrication technique, design or other technical-related problem-solving topics. The audience will select the winner(s) and cash prizes of \$500, \$250, and \$100 will be awarded. Indicate your interest below by June 30.

Video must be submitted by July 15. Enter here <https://aopa.wufoo.com/forms/technical-fabrication-tips-and-tricks/>. For further information, contact Tina Carlson at (571) 431-0808 or Assembly@AOPAnet.org.

O&P Digital Care Showcase



Saturday, October 1 | Noon – 2:00pm

The NEW Digital O&P Showcase will be a hands-on event where you will 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.

Student Poster Award

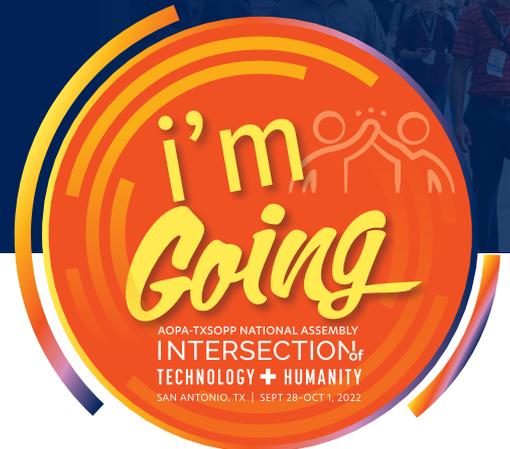
Calling all Students and Residents—Gain National Recognition and Advance Your Career



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 AOPA 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.AOPAAssembly.org.

Special Events



WEDNESDAY SEPT 28

OPAF Luncheon Fundraiser Noon – 2:00pm



Support a great cause while enjoying Texas style BBQ during the “Workshop Day” lunch break. The cost is \$50 and all proceeds support the First Clinics and your patients. Space is limited, be sure to purchase your ticket in advance during the registration process.

Welcome to San Antonio

Reception 5:30 – 7:30pm

Kick-off your Assembly experience at the “Welcome to San Antonio” Reception. Enjoy refreshments, entertainment, and connecting with your colleagues. The Welcome Reception is included with your the full conference registration. Guest tickets can be purchased for \$45.



THURSDAY SEPT 29

Networking Break 9:00 – 10:30am



After the morning general session, enjoy a beverage and our NEW 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.

TXSOPP Membership Meeting 11:30am – 1:00pm



Texas Society of Orthotic and Prosthetic Professionals

Join your fellow members from the Texas Society of Orthotic and Prosthetic Professionals (TXSOPP) for the 2022 Membership Luncheon to be held on Thursday, September 29 at 11:30 – 1:00pm. Meet your board, receive membership updates and the latest association news.

O&P Experience Zone

5:00 – 6:30pm



This unique event featuring patient success stories and demonstrations will showcase how the CPO and device work together to restore lives.

This event will feature exhibitors and caregivers working together to create amazing outcomes. It will be held in conjunction with the traditional Happy Hour. This event is included with your full conference registration.





FRIDAY SEPT 30

Networking Break
9:00 – 10:30am

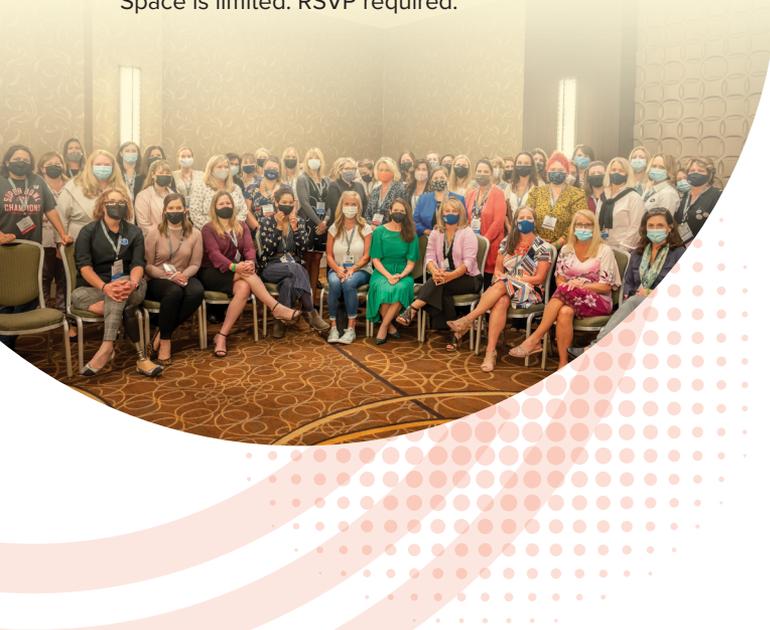
See Thursday's description.



Professional Women in O&P—Celebrating Success

11:30am – 1:00pm

Women registering for the 2022 National Assembly are invited to 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 females in the profession. Join us for lunch as we celebrate landmark achievements, leadership, and discuss mentorship and dealing with the unique issues of professional women. Space is limited. RSVP required.



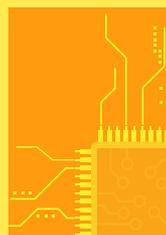
Keep learning!
The virtual program will be available
October 17 –December 17.

SATURDAY OCTOBER 1

O&P Digital Care Showcase

new
in 2022

Noon – 2:00pm



The NEW Digital O&P Showcase will be a hands-on event where you will 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.

Certificate in O&P Business Management—Sponsored by the University of Hartford

3:30 – 4:00pm

The course examines marketing's role in an enterprise. It lays out the functions of marketing and exposes the student to a variety of marketing tools including approaches to personal selling and details the many digital marketing tools available.



OPAF First Clinic—First Things First

9:00am – 3:00pm

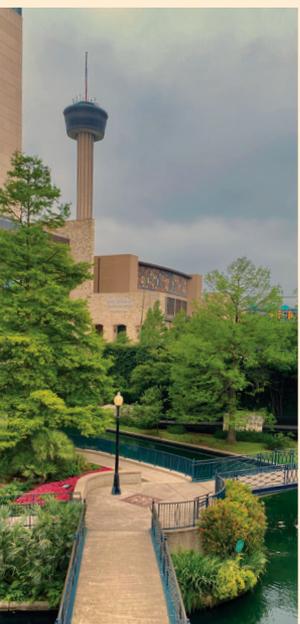


Assembly attendees are welcome to participate in the First Clinic happening simultaneously on Saturday, October 1 on the upper level of the convention center.

This continuing education module is designed for physical therapists, occupational therapists, and other allied health practitioners. The goal of the course is to demonstrate basic mobility skills required for safety in the limb loss population. First Things First reviews epidemiology related to the limb loss population and evidence-based intervention programs related to fall prevention. We demonstrate practical techniques to help the individual mitigate the force of a fall and get up from the floor after a fall. First Things First is our most introductory course teaching patients, caregivers, and practitioners how to build confidence in basic mobility while reducing risk of falls. The format includes a classroom lecture and a practical portion to allow for hands-on participation. At the completion of the course, rehabilitation professionals will be able to directly apply these skills into daily practice and participants will leave with renewed confidence in their fundamental mobility.

Manufacturers' Workshops

WEDNESDAY SEPTEMBER 28



Tier A

8:00 – 10:00am

(2 Hour Workshops)

The following Tier A workshops run concurrently within this track.

Introduction and Overview of the 4-bar Glide Ankle and C-Form Tube – Synthetic Scanning

Sponsor: ST&G USA Corp

See Beyond the Curve: Treating Patients with Spinal Deformities

Sponsor: Surestep

2022: Facility Accreditation Standards: How to be Compliant in a Challenging O&P World

Sponsor: American Board for Certification in Orthotics, Prosthetics and Pedorthics (ABC)

Socket Fit and Alignment Analysis Workshop Using Adaptech's INSIGHT Sense Pressure Mapping System

Sponsor: Adaptech

Advantages of Nocturnal Bracing Using the Providence Nocturnal Scoliosis® Orthosis

Sponsor: Spinal Technology, Inc.

Achieving Successful Outcomes with Naked Prosthetics' Body-Driven Devices

Sponsor: Naked Prosthetics

Going Digital™ in Your Practice: What Will Your SurePath Be?

Sponsor: Vorum

Start Confident with Amparo Prosthetics

Sponsor: Amparo Prosthetics, Inc.

The Freedom Quattro Microprocessor Knee by PROTEOR

Sponsor: PROTEOR USA

Easy Rules and Simple Tools - A New Approach that Makes You a Specialist on Day 1

Sponsor: Fabtech Systems

Tier B

10:30am – 12:30pm

(2 Hour Workshops)

The following Tier B workshops run concurrently within this track.

A Balancing Act: Quality Reimbursement and Quality Care for Adults

Sponsor: Surestep

The Neuro Swing Partial Foot Prosthesis

Sponsor: Fior & Gentz GmbH

OWLS Wound Care By the Numbers

Sponsor: Orthomerica Products Inc.

Lower Extremity Product Selection Guidelines for Children with Neuromuscular Disorders

Sponsor: Allard USA

Rodin 4D—Your CAD/CAM Solution for All Human Body Devices: Insoles, AFOs, Prosthetics, Spinal braces, Helmets, and More!

Sponsor: Rodin 4D

Go Beyond, Go META™

Sponsor: WillowWood

Össur Socket & Design Solutions

Sponsor: Össur Americas Inc.

Xtremity: Novel Socket Technology for Transtibial Amputees

Sponsor: Medical Creations, Inc.

Upper Limb Innovations with the Kinisi Myoelectric Hand and the Espire Elbow

Sponsor: SteeperUSA

C-Leg: 25 Years of Clinical Efficacy

Sponsor: Ottobock

ABC Custom Breast Prosthesis: What's in It for You?

Sponsor: American Breast Care

Tier C

2:00 – 4:00pm

(2 Hour Workshops)

The following Tier C workshops run concurrently within this track.

We're Better Together: Effective Tips for Ordering & Fitting Indy 2 Stage AFOs

Sponsor: Surestep

The Neuro HiSwing: The First Orthotic Hydraulic Ankle Joint System

Sponsor: Fior & Gentz GmbH

Flat Heads are NOT Flat Shapes—Understanding the Clinical Value of 2D and 3D Measurements

Sponsor: Orthomerica Products Inc.

iFIT Transtibial & Transfemoral Workshop—Getting Patients Up and Walking in Less Time

Sponsor: Allard USA

Socket Selection Criteria and Alignment Considerations

Sponsor: Alps South LLC

Learn How to Scan for Prosthetics, and Scan for Orthotics/Bracing, Using a Cell Phone and Adjustable Fixture for Proper Neutral Alignment

Sponsor: Comb O&P

Power Knee, The Next Generation

Sponsor: Össur Americas Inc.

Introducing the Taska HandGen2

Sponsor: Fillauer

New Feet. More Motion. Data Inspired Choices.

Sponsor: Fillauer

C-Brace + Nexgear Tango: The Winning Combination for Freedom of Movement

Sponsor: Ottobock

Post-Mastectomy Care: How to Add Revenue and Be More Visible In Your Community

Sponsor: Amoena USA Corporation

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

Tier D

4:30 – 5:30pm

(1 Hour Workshops)

The following Tier D workshops run concurrently within this track.

Are You Over Bracing Your Drop Foot Patients?

Sponsor: Turbomed Orthotics Inc.

The Neuro Swing for Immediate Treatment (FIT) AFO

Sponsor: Fior & Gentz GmbH

Zeus V1—The Strongest Bionic Limb

Sponsor: Aether Biomedical

The OPRA™ Implant System by Integrum

Sponsor: Integrum Inc.

Covering New Terrain with College Park

Sponsor: College Park Industries

The Freedom Kinnex 2.0 Microprocessor Ankle by PROTEOR

Sponsor: PROTEOR USA

Post-Amputation Pain and Treatment Options

Sponsor: Neuros Medical

Hands-on Workshop of the Digital Workflow for O&P

Sponsor: HP 3D Printing

Triple Action®: Static & Dynamic Alignment for Orthotists

Sponsor: Becker Orthopedic Appliance Co.

SATURDAY

OCTOBER 1

Tier E

1:00 – 3:00pm

(2 Hour Workshops)

The following Tier E workshops run concurrently within this track.

GripLock Finger: Partial-Hand Socketing for Naked Prosthetics and the GripLock Finger

Sponsor: Naked Prosthetics

Product Preview

Theater Presentations



Adapttech

- Motio: A Technological Leap in Patient Outcome Monitoring



Aether Biomedical

- Zeus—The Strongest Bionic Limb



Alps South LLC

- Alps VIP System – Vacuum Integrated Pump and VIP Lock
- Alps Product Overview



Becker Orthopedic Appliance Co.

- New UTX® with Custom Polymer AFO option + Becker Composite AFOs with New Becker MILINE Interchangeable Ankle Joints



BrainRobotics

- BrainRobotics—Who We Are



Medical Creations, Inc.

- XtremityTT: Shaping The Future Of Socket Technology



Össur Americas Inc.

- Össur Arm Solutions



Ottobock

- Varos Socket: Right from the Start



PROTEOR USA

- The Microprocessor Portfolio from PROTEOR- includes the Freedom Quattro MPK, the Freedom Plié 3 MPK, the ALLUX 2 MPK, and the Freedom Kinnex 2.0 MPA.



Surestep

- Get Moving: A Snapshot on Contracture Management
- Balancing Act: Six Reasons to Incorporate Balance Bracing into Your Practice



WillowWood

- Alpha TruSeal Liners and Adjustable Sealing Suspension

Exhibitors and Sponsors

Learn about the newest products, latest services and the most innovative technology at the 2022 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 2022**

- 2PD Limited
- 3D O&P
- Acor Orthopaedic, LLC**
- Adapttech**
- Aether Biomedical**
AliMed Inc.
- Allard USA**
- AllClaim by Ottobock**
- Alps South LLC**
- Alternative Prosthetic Services Inc.**
- American Academy of Orthotists & Prosthetists**
- American Board for Certification in Orthotics, Prosthetics & Pedorthics**
- American Breast Care
- American Central Fabrication**
- American Prosthetic Components LLC**
Amoena USA Corp
- **Amparo Prosthetics Inc.**
- Anodyne**
- Apis Footwear Company**
- Becker Orthopedic Appliance Co.**
- BioSculptor Corporation**
BioStep Inc.
- **Blackfin Biomechatronics LLC**
- Blatchford**
- Board of Certification/Accreditation (BOC)**
- BrainRobotics
- Bremer Group Company, The**
- 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.**
- Coyote Prosthetics & Orthotics**
Curbell Plastics Inc.
- Cypress Adaptive, LLC**
- Danmar Products Inc.
- DAW Industries Inc.**
- DJO is Now Enovis**
- DME MAC Medicare Contractors
- Extremity Trauma and Amputation Center of Excellence (EACE) CFI
- Fabtech Systems**
- Fillauer**
- FIOR & GENTZ GmbH**
FIT360
- FLO-TECH® Orthotic & Prosthetic Systems Inc.**
- Fridle's Orthopedic Appliances Inc.**
- Grace Prosthetic Fabrication Inc.**
- Hanger Inc.**
- HP 3D Printing**
- Impulse Technology LLC**
- Infinite Biomedical Technologies**
Integrum Inc.
- International African American Prosthetic-Orthotic Coalition (IAAPOC)
- International Institute of Orthotics and Prosthetics (IIOP)
- Invent Medical USA LLC**
ISPO Mexico
- **JF Enterprises Inc., Celia Ruiz**
Kinetic Research Inc.
- KISS Technologies LLC**
- Knit-Rite Inc.**
- LaunchPad O&P**
Limbs for Life Foundation
- Lindhe Xtend Inc.**

- MD Orthopaedics**
- Mecuris GmbH**
- Medex international Inc.**
- **Medical Creations Inc.**
- Monetek LLC**
- Naked Prosthetics**
- National Commission on Orthotics & Prosthetics (NCOPE)**
- Neuros Medical
- New Step Orthotic Lab Inc.**
- Nymbi Systems**
- O&P1**
- **O&P Insight (DBA of Prosthetic Center of Excellence)**
- OP Solutions**
OPAF and The First Clinics
- OPIE Software**
- Orfit Industries America**
- Orthobroker BV
- Orthofeet Inc.
- Orthomerica Products Inc.**
- Orthotic & Prosthetic Group of America (OPGA)**
- Orthotic Holdings OHI**
- Osseointegration Group of Australia**
- Össur Americas Inc.**
- Ottobock**
- OssKin Ortho Inc.
- Paceline Inc.
- PEL**
- Pine Tree Orthopedic Lab**
- PLS—Pedorthic Lab Specialty**
- PodoPrinter BV
- PMT Corporation
- Point Designs**
- PROTEOR USA**
- Protosthetics**
- PSYONIC Inc.**

- PVA Med**
- QuickFoot
- Ralii Devices Ltd.
- rcai**
- Renia GmbH**
- Rodin 4D**
- Royal Knit Inc.**
- **SPENTYS**
- Spinal Technology Inc.**
- SPS**
- ST&G USA Corp.**
- SteeperUSA**
- STEP-ON HELLAS
- Steps Of Faith Foundation
- Surestep**
Taika3D Inc.
- Tamarack Habilitation Technologies Inc.**
Techmed 3D Inc.
- Texas Department of Licensing and Regulation (TDLR)
- Texas Society of Orthotic and Prosthetic Professionals (TXSOPP)
- Thermo-Ply Inc.**
- Thrive Orthopedics
- Tillges Technologies**
- Titan O&P Fabrications
- Top Shelf Orthopedics
- Townsend Design (Thuasne USA)**
- Turbomed Orthotics Inc.**
- Ultraflex**
- **Unlimited Tomorrow**
VNTC
- Vorum**
- Victoria Hand Project
- Waystar
- WillowWood**
Exhibitors as of July 1, 2022

Title Sponsors

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DIAMOND



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Travel and Accommodations

Visit www.visitsanantonio.com to learn about San Antonio and its culture, things to do, where to eat and so much more. San Antonio and its cultural influences are diverse—Mexican, Tejano, German, Irish, Czechoslovakian and more. They are very proud of the distinction of Military City USA. Come ready to celebrate, learn and explore.

Hotel Accommodations

Attendees are responsible for making their own hotel reservations. AOPA has reserved a block of rooms at three properties to give more choices. All three are a short walk to the Convention Center. **The room rates are \$249.**

Meeting Location

The 2022 National Assembly will be held at the **Henry B. Gonzalez Convention Center**, 200 East Market St, San Antonio, TX 78205. Located in the heart of downtown San Antonio and on the famous Riverwalk. The Convention Center is just 8 miles away from the San Antonio International Airport.



The Grand Hyatt Riverwalk
600 E Market St
San Antonio, TX 78205

Located on the Riverwalk, Grand Hyatt San Antonio River Walk is in Downtown San Antonio neighborhood and is connected to the convention center.

Book your reservation online at <https://www.hyatt.com/en-US/group-booking/SATGH/G-AORO>



San Antonio Marriott Riverwalk
889 E Market St
San Antonio, TX 78205

Situated on the vibrant River Walk, and opposite the Convention Center. Our sophisticated hotel rooms come with stunning views of either downtown San Antonio or the picturesque River Walk.

Book your reservation online at <https://book.passkey.com/e/50332458>



The Hilton Palacio del Rio
200 South Alamo St
San Antonio, TX 78205

A stay at Hilton Palacio Del Rio places you in the heart of San Antonio, within a 5-minute walk of River Walk and Henry B. Gonzalez Convention Center. This 4-star hotel is 0.5 mi from Alamo. All rooms have private balconies.

Book your reservation online at <https://www.hilton.com/en/attend-my-event/satpdhf-aop-75325c11-4c6d-480b-95ce-8e89a0b51e03/>

This room block is being held exclusively for Assembly attendees. The hotels will likely sell out over the dates of the Assembly. Please be sure your reservation request reaches the hotel prior to August 26 when any remaining rooms (if any) will be released. There is no guarantee rooms will be available at the Assembly rate. Rates quoted here are on a space-available basis only. Once the Assembly block is sold out, which may be earlier than August 26, there is no guarantee that rooms will be available nor that they will be available at the Assembly rate.



Travel

San Antonio International Airport is a short 8 miles from both the Henry B. Gonzalez Convention Center and Assembly Hotels. Taxi cabs and Uber/Lyft rides are readily available.

Attendee Registration Information

HOW TO REGISTER

- ▶ Review the registration category descriptions below and complete one registration form for each attendee.
- ▶ **REGISTER ONLINE** – Easy online registration is available at <https://aopa.omnievent.com/2022/step-1-prelim> for those paying by credit card.
- ▶ **REGISTER BY MAIL** by completing the registration form and mailing with payment to 2022 AOPA National Assembly, PO Box 34177, Alexandria, VA 22334-0711

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



EXHIBITOR REGISTRATION AND INSTRUCTION ARE AVAILABLE THROUGH YOUR GO EXPO ACCOUNT.

Questions regarding exhibitor registration should be directed to Kelly O'Neill at Assembly@AOPAnet.org.

ATTENDEE REGISTRATION CATEGORIES AND FEES

Full Conference (includes in-person and virtual)

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

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)

Includes all conference events for the day selected.

One Day (or Two Day) Attendee Exhibition Only Registration

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

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.

CANCELLATION POLICY

To receive a refund, less a \$100 processing fee, notifications of cancellation must be received in writing no later than **Friday, August 26, 2022**. Please email your cancellation request to Assembly@AOPAnet.org. Due to guarantees and commitments, no refunds will be made for cancellations received after August 26, 2022. Substitutions are allowed, but must be made in writing.

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.

AOPA 2022 NATIONAL ASSEMBLY | SAN ANTONIO

📍 **BOOTH 628**



Product Catalog

INDUSTRY LEADER

Our expertise in chemistry has led to the development of a wide range of prosthetic liners and sleeves, characterized by an innovative and unique component: ALPS gel.

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