



ACPOC

Association of Children's
Prosthetic-Orthotic Clinics

A Multidisciplinary Association for Children with Complex Musculoskeletal Conditions



PROGRAM BOOK

ACPOC 2024 Annual Meeting

April 24-27th

Grand Hyatt Denver

1750 Welton St, Denver, CO 80202

ACPOC 2024 Annual Meeting

April 24-27th | Denver, CO

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The full digital Program Book with Abstracts can be found online at acpoc.org/2024-annual-meeting

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General Information

The Association of Children's Prosthetic-Orthotic Clinics provides a comprehensive resource of treatment options provided by professionals who serve children, adolescents, and young adults with various orthopaedic impairments.

Goals

The goal of the annual meeting is to provide a forum for the sharing of knowledge regarding the newest developments in research, equipment, observations, and treatments for children and adolescents with limb deficiencies. The meeting will also encourage and promote investigative endeavors and augment the education of personnel engaged in scientific endeavors related to the field of limb deficient patients.

Objectives

1. To provide a format that presents the best available knowledge in the care and treatment of children and adolescents with limb deficiencies and transition into adulthood.
2. To examine the indications, techniques and results of various surgical procedures; and describe the management of children's orthopaedic problems.
3. To examine the latest prosthetic-orthotic equipment.
4. To present the latest in physical and occupational therapy, rehabilitation, adaptive equipment, and techniques.

Target Audience

This activity is designed for new and established orthopaedic surgeons, pediatricians, rehabilitation physicians, nurses, orthotists, prosthetists, physical and occupational therapists, other healthcare professionals who care for children with orthopaedic or related disabilities and educators from with the US and Canada, or in practice outside the US and Canada.

Disclaimer Information

The material presented at the 2024 Annual Meeting has been made available by ACPOC for educational purposes only. The material is not intended to represent the only, or necessarily best, method or procedure appropriate for the medical situations discussed, but rather is intended to present an approach, view, statement or opinion of the faculty, which may be helpful to others who face similar situations.

Furthermore, any statements about commercial products are solely the opinion(s) of the author(s) and do not represent an ACPOC endorsement or evaluation of these products. These statements may not be used in advertising or for any commercial purpose.

The ACPOC disclaims any and all liability for injury or other damages resulting to any individual attending the Annual Meeting and for all claims that may arise out of the use of the techniques demonstrated therein by such individuals, whether physicians or any other person shall assert these claims.

FDA Disclaimer

Some drugs or medical devices described or demonstrated in ACPOC educational programs or materials may not have been cleared by the Food and Drug Administration (FDA) or have been cleared by the FDA for specific uses only. The FDA has stated that it is the responsibility of the physician to determine the FDA clearance status of each drug or device he or she wishes to use in clinical practice.

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CME Information

Activity Goal

This activity is designed to address the following core and team competencies:

Patient Care, Medical Knowledge, Practice-based Learning, System-based Practice, and Interprofessional Communication.

Non-Endorsement

The accredited provider verifies that sound education principles have been demonstrated in the development of this educational offering as evidenced by the review of its objectives, teaching plan, faculty, and activity evaluation process. The accredited provider does not endorse or support the actual opinions or material content as presented by the speaker(s) and/or sponsoring organization.

Disclosures

The accredited provider adheres to accreditation requirements regarding industry support of continuing medical education. Disclosure of the planning committee and faculty's commercial relationships will be made known at the activity. Speakers are required to openly disclose any limitations of data and/or any discussion of any off-label, experimental, or investigational uses of drugs or devices in their presentations. - All employees in control of content have no relevant financial relationships to disclose.

All relevant financial relationships have been mitigated. The following participants have **No Relevant Financial Relationships to Disclose**: Sara Beyler, CO; Gez Bowman, CO; Laurey Brown, PT, DPT; Mary Brown, MS, OTR/L; Michael Ceder, CPO; Colleen Coulter PT, DPT; Camille Cruz CPO; Michael Eckhoff, MD; Aaron Epperson, MS; Jorge Fabregas, MD; Aaron Fitzsimmons, CP, OT; Corey Gill, MD, MA; Brittany Guidry, PT, DPT; Maurice Henson; Kelly Jeans, MS; Wilsaan Joiner, PhD; Angela Landolfi, MSPO, CPO; Robert Lipschutz, CPO; Sharon Malek PT, DPT; Melissa Martel, PT, MSc; Stephanie Miller, DO; Jose Morcuende, MD, PhD; Vincent Mosca, MD; Gabrielle Nguyen, MD; Beth Petrovic, CPO; Jonathon Schofield, PhD; Phoebe Scott-Wyard, DO; Daryn Strub, BA; Stephanie Tow, MD; Kirsten Tulchin-Francis, PhD; Thomas Utset-Ward, MD; Janet Walker, MD; Klane White MD, MSc; Ashlie White, MA; Heather Willets, MPO, CPO; Brittini Willis, PT, DPT; Jennifer Woodard, CPO

Relevant Financial Relationships

First	Last	Suffix	Commercial Interest	Role
Fredrik	Bergljung	BSc, CPO	Aktiv Ortopedteknik/Ottobock	Employer
Robert	Meier	CO	Allard USA	Consultant
Jaime	Perez-Pineda	CPO	Aktiv Ortopedteknik/Ottobock	Employer
Tom	Scharschmidt	MD	Styker, Onkos	Consultant



Accreditation

In support of improving patient care, this activity has been planned and implemented by CineMed and the Association of Children's Prosthetic-Orthotic Clinics. CineMed is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Physicians

Cine-Med designates this live activity for a maximum of 22.25 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Other Healthcare Professionals

All other healthcare professionals will receive a Certificate of Participation. For information on the applicability and acceptance of Certificates of Participation for activities designated for AMA PRA Category 1 Credits[™], consult your professional licensing board.

AAPA accepts certificates of participation for educational activities certified for AMA PRA Category 1 Credit[™] from organizations accredited by ACCME or a recognized state medical society.

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CME Information

ABCOP Credits

The ACPOC Annual Meeting has been awarded continuing education credits by the American Board for Certification in Orthotics, Prosthetics and Pedorthics. 22.25 Category 1 Scientific Credits will be awarded.

OPC Credits

The ACPOC Annual Meeting has been awarded continuing education credits by the Orthotics Prosthetics Canada (OPC) for a total of 22.25 MCEs.

Certificates

To claim your CME/CE credits, complete the online Credit and Evaluation form using the following URL: <https://cine-med.com/certificate.php?redirect=acpoc2024>

This is a one-time credit submission. Credits should be tracked at the completion of the meeting. Participants will be able to download or print a certificate once the form has been submitted.

Note: Select the **Non-Physician Certificate** option for a certificate with the ABCOP and OPC credits.

Commercial Support

This activity is being provided independent of industry support.

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EXHIBITORS



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Meeting Program

(all times listed are MDT)

Abstracts can be found online at acpoc.org/2024-annual-meeting

Wednesday, April 24th

10:00am–8:30pm **Registration**

11:30am–5:40pm **Technical Workshops**

11:30am–12:15pm **Fillauer Companies**

12:20–12:40pm **Ottobock — MyCRO Band: Digital CRO Solution**

12:45–1:30pm **MD Orthopaedics**

1:35–2:20pm **MD Orthopaedics**

2:25–2:45pm **Surestep — Facilitating Function Through Effective Orthotic Intervention and Follow-Up**

2:50–3:10pm **Surestep — Facilitating Function Through Effective Orthotic Intervention and Follow-Up**

3:15–4:30pm **Allard USA — Comprehensive Model for the Management of Partial Foot Amputations**

4:35–5:20pm **Becker Orthopedic**

5:25–5:45pm **Invent Medical USA**

5:45–6:30pm **Point Designs**

ACPOC is not advocating any technology or methods by providing time for workshops

6:30–8:30pm **Welcome Reception with Vendors in Exhibit Hall**
Special Thanks to Children's Hospital Colorado!

7:30–10:00pm **Board of Director's Meeting**

Thursday, April 25th

7:00–8:00am **Continental Breakfast**

7:00am–5:30pm **Registration**

8:00–8:05am **Welcome**
Colleen Coulter, PT, DPT, PhD – ACPOC President

8:05–8:10am **New Investigator Research Awards Presentation**
Colleen Coulter PT, DPT, PhD – ACPOC President

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Thursday, April 25th

8:10–10:10am

SESSION I – PHYSICAL DISABILITY AND DECISION MAKING

Moderator: Corey Gill, MD

8:10–9:00am

Keynote Presentation: Physical Activity, Sports, and Recreation Participation in Children and Adolescents with Physical Disabilities: What Progress Have We Made and Where Do We Go from Here?
Stephanie Tow, MD

9:00–9:10am

Discussion

9:10–9:50am

Having Difficult Conversations: Updates and Outcomes from 2023

Dr. Stephanie Miller, DO, Brittni Wills, DPT, Dr. Dorothy Beauvais, MD and Dr. Gabrielle Nguyen, MD

9:50–10:00am

Discussion

10:00–10:10am

And Then There Were None - Elective Amputation & Prosthetic Decision Making

Aaron Fitzsimmons, CP/OT

10:10–10:55am

Break in Exhibit Hall and Adaptive Sports Demo

10:55am–12:00pm

SESSION II – ORTHOTICS PART 1

Moderator: Emily Grauman, CO

10:55am–11:05am

Impact of Ischial Weight Bearing Knee Ankle Foot Orthoses: More than Therapeutic Standing with SMA

Laurey Brown, PT, DPT, Sara Beyler, CO/LO, Christa Weigel, PT, DPT, Jessica Trenkle, PT, DPT, Kristin Krosschell, PT, DPT

11:05–11:15am

Ambulatory Considerations and Lower Extremity Orthotic Interventions for Children with Autism

Heather Willets, MPO, CPO

11:15–11:45am

A New Foot Orthosis Design for Children with Charcot-Marie-Tooth and Impact on Gait

Melissa Martel, M.sc, Audrey Parent, PhD, Carole Fortin, PhD, Laurent Ballaz, PhD

11:45am–12:00pm

Discussion

12:00–1:00pm

Lunch in Exhibit Hall

1:00–3:20pm

SESSION III – MOTOR CONTROL AND SENSATION

Moderator: Colleen Coulter, PT, DPT, PhD

1:00–2:00pm

Presidential Speaker: Moving a Missing Hand: Children Born with a Congenital Limb Deficiency Have Extensive Control Over Their Remaining Muscles

Wilsaan M, Joiner PhD

2:00–2:10pm

Discussion

2:10–3:10pm

Defining and Applying the Complex World of Sensation to Clinical Care: Past and Current Paradigms

Dr. Jonathan Schofield, PhD, Dr. Wilsaan Joiner, PhD, and Colleen Coulter, PT, DPT, PhD

3:10–3:20pm

Discussion

3:20–4:00pm

Break in Exhibit Hall and Adaptive Sports Demo

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Thursday, April 25th

- 4:00–5:30pm **SESSION IV – CLINICIAN GUIDED FORUM PART 1**
Moderators: Jorge Fabregas, MD, Corey Gill, MD and Anna Vergun, MD
- 4:05–4:15pm **DocMatter Introduction**
- 4:15–5:30pm **Clinician Guided Forum Part 1**
- 5:30pm **Adjourn**

Friday, April 26th

- 7:00–8:00am **Continental Breakfast**
- 7:00am–5:00pm **Registration**
- 8:00–10:10am **SESSION V – MUSCULOSKELETAL CONDITIONS**
Moderator: Anna Vergun, MD
- 8:00–8:50am **Keynote Presentation: Management of Children diagnosed with Skeletal Dysplasia**
Dr. Klane White, MD
- 8:50–9:00am **Discussion**
- 9:00–10:00am **Hector Kay Memorial Lecture: Biomechanics and Principles of Assessment and Management of Pediatric Foot and Ankle Deformities and Malformations**
Vince Mosca, MD
- 10:00–10:10am **Discussion**
- 10:15–10:55am **Break in Exhibit Hall**
- 10:55am–11:55am **SESSION VI – ORTHOTICS PART 2**
Moderator: Phoebe Scott Wyard, DO
- 10:55–11:15am **New Investigator Award: Developed Quality Register for Orthoses in CP**
Michael Ceder, BSc, and Fredrik Bergljung, BSc
- 11:15–11:25am **Effect of the Ponseti Technique on the Contralateral Foot: A Longitudinal Study**
Kelly Jeans, MS, Victoria Blackwood, MS, and Anthony Riccio, MD
- 11:25–11:35am **Use of Foot Abduction Orthoses in the Treatment of Clubfoot: An International Survey of Caregiver**
Professor Emeritus Thomas Cook, PT, PhD, and Professor Jose Morcuende, MD, PhD
- 11:35–11:45am **Challenging Case: Arthrogryposis**
Dr. TJ Utset-Ward, MD, Michael Eckhoff, MD, and Dr. Thomas Scharschmidt, MD
- 11:45–11:55am **Discussion**
- 11:55am–1:25pm **Member Business Meeting**
- 11:55am–1:25pm **Lunch in Exhibit Hall**

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1:25–2:15pm	SESSION VII – CHALLENGING CASES Moderator: Corey Gill, MD
1:25–1:35pm	Approach to Vascular Anomalies: An Introduction to Classification and Case Report Dr. Gabrielle Nguyen, MD, Dr. Stephanie Miller, DO, and Dr. Nicole Montgomery, MD
1:35–1:45pm	Bone Anchored Limb Prosthesis for Complex Congenital Focal Femoral Deficiency: A Case Report Aaron B. Epperson, MS, Mohamed E. Awad, MD, MBA, and Jason W. Stoneback, MD
1:45–1:55pm	To Knee or not to Knee, that is the Question? Dr. Phoebe Scott-Wyrd, DO, and Jennifer Woodard, CPO
1:55–2:05pm	Femoral Duplication: An Underappreciated Variant of Tibial Hemimelia Corey Gill, MA/MD, Carol Wise, PhD, Kristhen Atala, and Nathan Heineman, MD
2:05–2:15pm	Discussion
2:15–3:05pm	SESSION VIII – PROSTHETICS Moderator: Kelly Jeans, MS
2:15–2:25pm	Children With Fibular and Femoral Deficiency Demonstrate Sex and Racial Variations: A Multi-Center Analysis Janet L. Walker, MD, Grace Markowski, BS, Hank White, PT, PhD, and Donna Oeffinger, PhD
2:25–2:35pm	Tibial Deformities and Physeal Injuries with Distal Femoral Expandable Endoprosthesis Implants Dr. TJ Utset-Ward, MD, Daryn Strub, BA, CRC, and Dr. Thomas Scharschmidt, MD
2:35–2:45pm	Unique Prosthetic Suspension Designs: Meeting Patient Goals Beth Petrovic, CPO
2:45–2:55pm	Retrospective Evaluation of Targeted Reinnervation at the Time of Major Limb Amputation to Avoid Neuroma Pain and Phantom Limb Discomfort Dr. TJ Utset-Ward, MD, Daryn Strub, BA, CRC, Dr. Thomas Scharschmidt, MD, and Dr. Kritsen Tulchin-Francis, MD
2:55–3:05pm	Discussion
3:05–3:50pm	Break in Exhibit Hall
3:50–4:50pm	Exhibitor Forum – Exhibitors Only
3:50–5:00pm	SESSION IX – PSYCHOSOCIAL Moderator: Vivian Yip, OTD
3:50–4:50pm	Addressing Ableism: Assumptions, Advocacy, and Accessibility Dr. Gabrielle Nguyen, MD, Marina Ma, MD, and Stephanie Miller, DO
4:50–5:00pm	Discussion
5:00pm	Adjourn
6:00–9:00pm	Friday Night Social Event Wynkoop Brewing, 1634 18th Street, Denver, CO 80202 (Pre-registration Required)

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Saturday, April 27th

7:00 am–8:00am	Continental Breakfast
7:00 am–12:00pm	Registration
8:00–9:10am	SESSION X – GENERAL PSYCHOLOGICAL CONSIDERATIONS Moderator: Phoebe Scott Wyard, DO
8:00–8:10am	YEP: Empowering Youth Living with Limb Loss or Limb Difference through Peer Engagement Maurice Henson, MA
8:10–9:00am	Beyond ‘Crip Camp’: Impact of Medical Camps on Children with Limb Difference and their Families Dr. Phoebe Scott-Wyrd, DO
9:00–9:10am	Discussion
9:10–10:30am	SESSION XI – SPINE Moderator: Jorge Fabregas, MD
9:10–9:40am	AIS & Bracing: Proof of Regression and Outcomes Prediction Gez Bowman, BS O&P (UK)
9:40–9:50am	The Presence of Kyphosis in Individuals with SMA treated with Zolgensma Laurey Brown, PT, DPT, Sara Beyler, CO/LO, Christa Weigel, PT, DPT, Katie Hoffman, PT, DPT and Kristin Krosschell, PT, DPT
9:50–10:20am	A Rehab Perspective on the Impact of Scoliosis and Function for Individuals with Spinal Muscular Atrophy Laurey Brown, PT, DPT, Sara Beyler, CO/LO, Christa Weigel, PT, DPT, Katie Hoffman, PT, DPT and Kristin Krosschell, PT, DPT
10:20–10:30am	Discussion
10:30–11:00am	Break In Exhibit Hall — (Check out of hotel)
11:00am–12:00pm	SESSION XII – GLOBAL INITIATIVE AND THERAPIES Moderator: David Rotter, CPO
11:00–11:10am	Hands-on Upper Extremity Prosthetic Training Based on Developmental Skill Progression, part 2 Mary Ellen Brown, MS, OTR/L
11:10–11:30am	Cognitive and Developmental Barriers with Pediatric Prosthetic Training: Physical Therapy Perspective Brittni Willis, DPT, Brittany Guidry, DPT, Sharon Malek, DPT, Kelly Phelan, DPT
11:30–11:40am	Determining Outpatient PT Frequency and Insurance Limitations with Pediatric Prosthetic Training Brittni Willis, DPT, Brittany Guidry, DPT, Sharon Malek, DPT, Kelly Phelan, DPT
11:40–11:50am	Discussion
11:50am–12:00pm	Adjourn/Closing Remarks Phoebe Scott-Wyrd, DO – ACPOC President

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2024 Hector W. Kay Memorial Lecturer



Biomechanics and Principles of Assessment and Management of Pediatric Foot and Ankle Deformities and Malformations

Vincent Mosca, MD

Researcher and Expert in Management of Foot Deformities

Friday, April 26, 2024

Dr. Vincent Mosca is a Professor in the Department of Orthopedics at the University of Washington School of Medicine and an academic full-time pediatric orthopedic surgeon at Seattle Childrens Hospital. He completed his orthopedic surgery residency at Duke University Medical Center in North Carolina, and then did a 1 year fellowship in pediatric orthopedics at The Hospital for Sick Children in Toronto, Canada before

starting his practice in Seattle. Dr. Vincent Mosca is a Professor in the Department of Orthopedics at the University of Washington School of Medicine and an academic full-time pediatric orthopedic surgeon at Seattle Childrens Hospital. He completed his orthopedic surgery residency at Duke University Medical Center in North Carolina, and then did a 1 year fellowship in pediatric orthopedics at The Hospital for Sick Children in Toronto, Canada before starting his practice in Seattle. Approximately 70% of his clinical work and most of his publications and lectures pertain to the understanding of, and treatment for, deformities of the child's foot. Dr. Mosca has authored or coauthored 29 articles, 26 book chapters, and 4 monographs. He has been an invited guest speaker/visiting professor in more than 90 medical centers and orthopedic conferences in the US, and in 36 orthopedic conferences in 21 countries outside the US. His lectures and publications on the assessment and management principles for foot deformities in children and adolescents have organized this complex information in a format that has made it the standard for understanding and treating foot deformities in children. Dr. Mosca is the immediate past Chairman of the Education Council for the Pediatric Orthopedic Society of North America, and on the Editorial Board of the Journal of Pediatric Orthopedics (USA) and the Journal of Childrens Orthopaedics (Europe). He is listed in 12 national/international Whos Who directories and has been listed in the book, The Best Doctors in America, since 1996. Dr. Mosca was the Director of the Department of Orthopedics at Children's Hospital and Regional Medical Center, and the Chief of Pediatric Orthopedics at the University of Washington in Seattle for 13 years. He stepped down from his administrative responsibilities 8 years ago to devote more time to research and writing, while maintaining his very busy clinical practice.

Hector W. Kay Memorial Lectureship

Hector W. Kay was born in Australia, November 1, 1909. After his basic education in Australia, he completed his formal education in 1938 at Springfield College where he received a Masters Degree in Education. It was also here that Hector met and married Katherine Johnson, a Springfield native. Hector's early association with prosthetics and prosthetic education began at New York University where he spent the years 1952 through 1965 in the Adult and Child Prosthetic Studies group. During this period, he became intimately associated with the Sub-Committee on Children's Prosthetic Problems of the Committee on Prosthetics Research and Development of the National Academy of Sciences/National Research Council. He was instrumental in developing the original cooperative clinic group, working very closely with the pioneers in this field: Drs. George T. Aitken, Charles Frantz, Newton McCollough and Claude Lambert. In 1965, he left New York University to join the Committee on Prosthetics Research and Development of the National Academy of Sciences/National Research Council as Assistant Executive Director. Here he continued to coordinate the activities of the Sub-Committee on Children's Prosthetic Problems. The committee was gradually expanded to cover orthotic problems as well as the prosthetic problems. During this period, Hector also acted as editor of the Interclinic Information Bulletin. The Interclinic Information Bulletin has more recently had a name change to the Journal of the Association of Children's Prosthetic-Orthotic Clinics. Hector retired from the Committee on Prosthetics Research and Development in 1974, and met a very untimely death on March 31, 1975. He is deeply mourned by all of those who knew him, respected him, and looked to him for advice. No organization owes more to one individual than does the Association of Children's Prosthetic-Orthotic Clinics. Though founded after his death, ACPOC owes its existence to an organization he nurtured.

Past Hector Kay Lecturers can be found at acpoc.org/hector-w-kay-memorial-lectureship

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Presidential Guest Speaker



Moving a Missing Hand: Children Born with a Congenital Limb Deficiency have Extensive Control Over Their Remaining Muscles

Wilsaan M. Joiner, PhD

Professor and Chancellor's Fellow, UC Davis

Department of Neurobiology, Physiology and Behavior, College of Biological Sciences

Department of Neurology, School of Medicine

Center for Neuroengineering

Center for Neuroscience

University of California, Davis

Thursday, April 25, 2024 — 1:00–2:00 PM

Dr. Joiner studies how we use different sources of information to aid behavior, ranging from visual perception to movement planning and updating. Specifically, he is interested in how external and internally-generated sensory information is integrated in healthy individuals, in comparison to certain disease and impaired populations (e.g., Schizophrenia and upper extremity amputees). Achieving this understanding may lead to better methods for diagnosing and treating impairments of the nervous system.

Past Presidential Guest Speakers can be found at acpoc.org/presidential-guest-speaker

Invited Guest Speakers



Physical Activity, Sports, and Recreation Participation in Children and Adolescents with Physical Disabilities: What Progress Have We Made and Where Do We Go from Here?

Stephanie Tow, MD, FAAPMR, CAQSM

Thursday, April 25, 2023 — 8:10–9:00 AM

Dr. Stephanie Tow is a physiatrist who is dual-fellowship trained and board-certified in Pediatric Rehabilitation Medicine and Sports Medicine. She is also board-certified in Physical Medicine & Rehabilitation (PM&R) and Brain Injury Medicine. She is an Assistant Professor in the Department of PM&R at the University of Colorado and Departments of Pediatric Rehabilitation Medicine, Orthopedics Institute - Sports Medicine Center, and Pain Medicine at Children's Hospital Colorado. She is currently the Head Team Physician for Team USA Paralympics

Swimming's National Team, as well as a National Medical Classifier for US Paralympics Swimming. Dr. Tow has a passion for working with athletes of all abilities, including adaptive and Para sports athletes, and has experience in many other leadership and volunteer roles related to adaptive sports. She is an advocate for equitable access to participation in sports, recreation, and physical activity and sports medicine resources for all athletes.



Management of Children Diagnosed with Skeletal Dysplasia

Dr. Klane White, MD

Friday, April 26, 2024 — 8:10–8:50 AM

Dr. White is an internationally recognized expert and advocate in the care of mucopolysaccharidoses and skeletal dysplasia. He serves on the Medical Advisory Board of Little People of America, the Scientific Advisory Board of the National MPS Society and is an executive founding member of the Skeletal Dysplasia Management Consortium.

In addition to skeletal dysplasia and the mucopolysaccharidoses, Dr. White's clinical and research interests also include the diagnosis and management of early onset scoliosis, metabolic bone disease, and complex spine deformity. Dr. White has authored more than 90 peer-reviewed publications, articles and book chapters, serves as reviewer for multiple medical journals and is principal investigator in several multicenter research studies for rare disease.

All additional Speaker Bios can be found at acpoc.org/2024-annual-meeting/

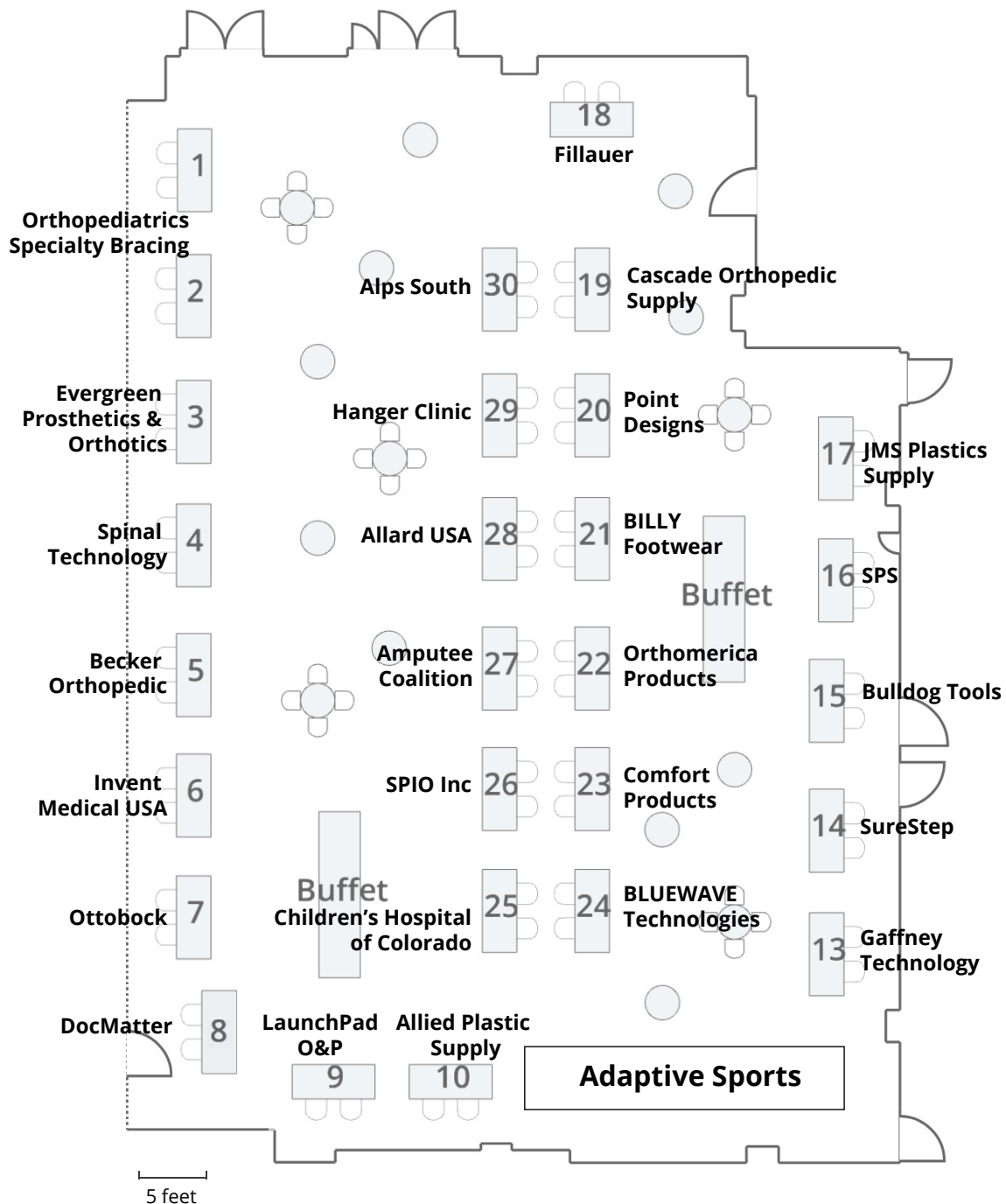
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2024 Annual Meeting Exhibitor Layout





“A hero is an ordinary individual who finds strength to persevere and endure in spite of overwhelming obstacles.”

-Superman

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Replaceable Battery type	2032	1632
Internal Antenna	YES	NO
Data Storage	~322 days	~322 days
Storage Reusability	YES	YES
Apple App	YES	YES
Android App	YES	YES
Online Data Management	YES	NO

See us on Thursday at the exhibit hall or contact us at

gaffneyhinge@gmail.com 503-640-1217



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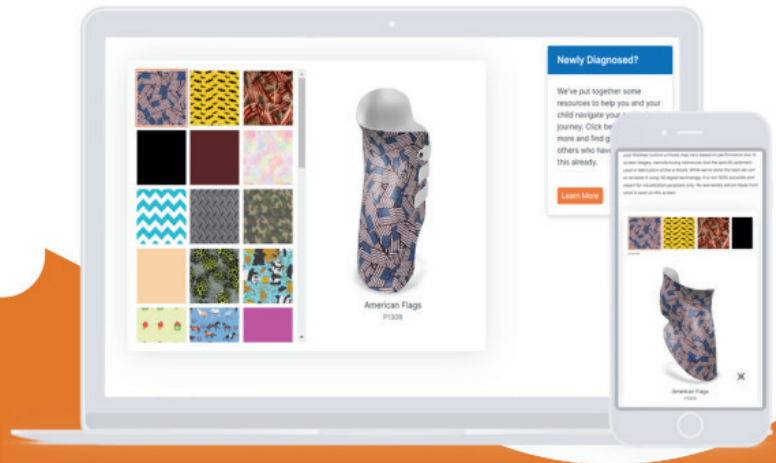
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Exhibitors *Thank you to our Industry Partners for their support of this meeting*

The Program Committee welcomes our exhibitors and would like to encourage participants to visit the exhibits as often as possible throughout the meeting. The exhibitors will be available during the Wednesday Reception, breakfasts, coffee breaks and lunch.

The Association of Children's Prosthetic-Orthotic Clinics (ACPOC) provides the Final Program as a service to the meeting attendees. A product's inclusion in the Final Program does not represent an endorsement, either expressed or by implication, of the vendor or the product, nor does it indicate that the product has been evaluated or approved by ACPOC. Any representations made regarding a product in the Final Program are made by the Exhibitor alone, and not by ACPOC.

Allard USA – Table 28; www.allardusa.com

To be the foundation for development and ownership of truly innovative products that provide individuals with physical challenges the opportunity to function better and improve their quality of life!

Allied Plastic Supply – Table 10; www.alliedplasticsupply.com

Founded in 1981, Allied Plastic Supply is a family-owned and operated plastics supply company with now three generations managing the business operations. Our company was built to provide industry leaders with a one-stop shop for all things plastic. Being in the plastics industry for more than 40 years, we have experienced numerous highs and lows that helped shape our organization's success. Allied Plastic started in Dallas in an approximately 10,000-square-foot warehouse and now has an 80,000 SF facility between two buildings. In this span, we moved into the San Antonio, Houston, Austin and Oklahoma City markets. Our resilience and growth mindset has allowed us to survive all challenges and propel our business forward. Enter the world of quality customization with Allied Plastic Supply.

Alps South – Table 30; www.easyliner.com

For over 30 years, ALPS has been dedicated to designing and manufacturing only the highest-quality prosthetic liners to provide users with all the mobility they need. Thanks to its dedication to innovation, ALPS has developed other high-quality prosthetic solutions in addition to prosthetic liners, inspired by the slogan driving the company since 1988: Making Lives Better.

Amputee Coalition – Table 18; www.amputee-coalition.org

Vision: A world where our community thrives.

Mission: To support, educate, and advocate for people impacted by limb loss and limb difference.

We have an unwavering commitment to serve:

- We greet every community member with, "what can we do for you today?" and end each conversation with, "Is there anything else we can do for you today?"
- We practice excellent decision making, interact with confidence, and show humility as we serve others

Becker – Table 5; www.beckerorthopedic.com

Becker Orthopedic was founded in 1933 by Otto K. Becker to provide high-quality orthotic components and central fabrication services. Today, Becker Orthopedic remains a family business dedicated to quality, service, and innovation in the field of orthotics.

Becker Orthopedic is now ISO 13485:2016 MDSAP certified, which is applicable to our manufacturing, design, and servicing in our Central Fabrication Division. MDSAP is currently recognized by the Food and Drug Administration of the USA, Therapeutic Goods Administration of Australia, Brazil's Agência Nacional de Vigilância Sanitária, Health Canada, and Japan's Ministry of Health, Labour and Welfare, and the Japanese Pharmaceuticals and Medical Devices Agency.

BILLY Footwear – Table 21; www.billyfootwear.com

BILLY Footwear's focus is on shoes that embody universal design, meaning they both appeal to and work for everyone. Smashing fashion with function, BILLY Footwear incorporates zippers that go along the side of the shoes and around the toe, allowing the upper of each shoe to open and fold over completely. Thus the wearer can place his or her foot onto the shoe footbed unobstructed. BILLY Footwear seeks to create mainstream shoes that are functional, fashionable, and inclusive for everyone.

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BLUEWAVE Technologies, Inc – Table 24; www.mybluewave.com

BLUEWAVE Technologies, Inc. is devoted to engineering safer disinfection and deodorization methods families can trust. Our manufacturing team is powered mainly by a diverse female workforce, whose skill and collaboration are essential to our vision. The BLUEWAVE is proof of how well this strategy works.

Bulldog Tools, Inc. – Tables 15; www.bulldogtool.com

We are a family owned and operated, Genuine U.S.A. Company specializing in designing, engineering, and manufacturing our own line of certified high quality precision products and materials. We are proud to offer a full line of pediatric endo components, along with our new line of pediatric to adult transitional components. Our selection of pediatric ball bearing shuttle locks continue to deliver unmatched simplicity and affordability. At Bulldog Tools you'll receive straight forward and honest business practices and it is our goal to provide you with the best products in the industry, at the best price!

Cascade Orthopedic Supply, LP – Table 19; www.cascade-usa.com

Cascade is a wholesale distributor of orthotics, prosthetics, materials, and equipment. We have served the O&P community for over 50 years by utilizing the latest advancement in technology to provide practitioners the products they need quickly and efficiently. We have three distribution center locations strategically located throughout the United States that provide customers a three day ground delivery service. We offer competitive prices, freight considerations, and value-added services like education, promotions, and customer specific programs.

Children's Hospital Colorado – Table 25; www.childrenscolorado.org

When it was founded in 1908 in Denver, Children's Colorado set out to be a leader in providing the best healthcare outcomes for children. That calling has consistently made us one of the top children's hospitals in the nation and a place parents across the Rocky Mountain region have come to trust.

Our modern-day mission is to improve the health of children through the provision of high-quality coordinated programs of patient care, education, research and advocacy.

In addition to providing the best possible care for kids who need it, we also work hard to keep kids out of the hospital. Through medical research and advocacy efforts, we are working towards a world where kids are safer and healthier and will one day have less need for a hospital.

Clubfoot Solutions Inc; www.clubfootsolutions.org

Dr. Ignacio Ponseti revolutionized the treatment of clubfoot while at the University of Iowa in the 1940s. He developed a non-invasive technique that utilized gentle manipulation and serial casting of the feet to successfully correct clubfoot without major reconstructive surgery. Today, the Ponseti Method is the international standard for clubfoot treatment with a 97% correction rate.

The Iowa Brace was developed at the University of Iowa as an extension of Dr. Ponseti's egalitarian efforts to ensure that children across the world would have access to the best clubfoot brace, regardless of their economic or social circumstances. The combination of innovation and humanitarian considerations allow the Iowa Brace to be affordable for all families, everywhere. Dr. Ponseti's legacy lives on through Ponseti International Association and Clubfoot Solutions. The two organizations are working together to deliver the Ponseti Method to children everywhere, and hope that the Iowa Brace will finally realize Dr. Ponseti's dream of a high quality clubfoot brace for every child born with this deformity.

Clubfoot Solutions, Inc., is a 501(c)(3) non-profit Iowa-based organization.

Comfort Products Inc –Table 23; www.comfortoandp.com

Comfort Products is a manufacturer and innovator of high quality knitted goods for the orthotic and prosthetic industry. We are the oldest manufacturer of prosthetic socks in the United States, tracing the roots of our company back to 1907.

Comfort Products is very proud to be known throughout the world as an innovation leader in knitted orthotic and prosthetic products. Comfort was the first manufacturer to include X-Static® silver in orthotic and prosthetic products, and was the first to combine X-Static® with CoolMax®. Comfort has been awarded several patents and we are constantly working on new product innovations, while ensuring that all of our existing products are produced to the very highest quality standards. We are also keenly aware that limited reimbursement to O & P facilities is a major concern and make every effort possible to keep our products priced reasonably.

Comfort Products invites you to compare the quality and overall value of our products to those of any other manufacturer of knitted orthotic and prosthetic products. We also have the staff and equipment needed to handle your custom requests..

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DocMatter – Table 16; www.docmatter.com

DocMatter was founded on the simple premise that individual physicians should be empowered with online, real time access to discover and then collaborate with experts on any medical topic. Today, we're proud to support physicians representing 30,000+ institutions across 140+ countries. The broad awareness of best practices advocated by experts and shared across specialist networks on DocMatter translates every day to better patient outcomes.

Every one of us, and those we love, is or will be a patient in a regional healthcare system. The care we receive is often limited by structural and circumstantial variables. Enabling immediate access to thousands of experts for online clinical collaboration significantly reduces variability of care.

All stakeholders in medicine benefit from improved collaboration. DocMatter began by connecting expert physicians in the United States and subsequently expanded to include all health professionals, the institutions where they practice, the societies that support them, and the companies that make drugs, devices and other tools that play critical roles in affecting better outcomes.

Everyone wins, when we work together.

Evergreen Prosthetics and Orthotics – Table 3; www.evergreenpo.com

Evergreen Prosthetics & Orthotics was founded in 2005 by Tim O'Neill, CPO, when he saw the lack of patient centered care available for prosthetic and orthotic patients in his home state of Oregon. What started as two small clinics in Oregon and Washington has since grown to over 25 locations across the United States.

Here at Evergreen, we're not the largest provider nationwide, and we don't want to be. Our growth through the years has been driven by a desire to help as many people as we can get the best care possible. So, we grow carefully, making sure that each patient can receive the same high level of care, attention and support.

Today, we're honored to serve more than 10,000 patients across the United States.

Fillauer Companies, Inc. – Table 27; www.fillauer.com

Fillauer is proud to be a global leader in orthotic and prosthetic innovation that empowers clinicians and patients to achieve their best functional outcomes. Fillauer's mission is to lead the evolution, design, and technology of orthotic and prosthetic products and services that empower clinicians and patients to achieve their best functional outcomes.

Gaffney Technology LLC – Table 35; www.gaffneytechnology.com

Gaffney Technology was founded by Philip and Alexis Gaffney in 1987. With Phil's extensive experiences in orthotic industry, he developed Gaffney Hinges, Gaffney Flexors and various bumpers. Gaffney products have been helping patients in North and South Americas, Europe, Asia and Australia since then.

The main products, Gaffney hinges, provide excellent stability and articulation to ankle foot braces and other demanding applications.

Hanger Clinic – Table 13; www.hangerclinic.com

At Hanger Clinic, we care for our patients like family, working together to bring about the best possible orthotic and prosthetic outcomes.

With 900 locations across the country, we create customized solutions—including state-of-the-art prostheses, braces, supports, cranial helmets, and other devices—designed to help you live your best life. Our commitment is to listen to you, get to know you as a person, and do everything we can to help you achieve your potential.

Invent Medical USA, LLC – Table 6; www.inventmedical.com/usa-can/

Helping people is the mission of Invent Medical. New technology will constantly disrupt and change the medical field. We apply digital technologies to invent, develop and design a new generation of custom-made orthotic & prosthetic products so patients can experience better treatment outcomes.

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JMS Plastics Supply – Table 6; www.jmsplastics.com

Since its beginning in 1981, JMS Plastics Supply, Inc. always considered you our partner. We never lost sight of the fact that your success depends on the satisfaction of others, including physicians, and of course, patients. Because we share this understanding, our repeat business rate is nothing short of phenomenal. Besides, we also offer you important business essentials like the highest quality products, same-day shipping, incomparable technical support, product guarantees, and the finest value-added pricing in the business.

In addition to our plastic materials, covering and cushioning materials, and equipment and supplies, JMS offers a complete line of heat moldable EVA materials such as JMS EVA SWIRL in colors, and various thicknesses, and J-FOAM EVA SHEETS in 25, 35, 45, 55 and 65 duro, and MULTI-COLORS for use in fabricating or covering FOOT ORTHOSES, ORTHOTIC POSTING, and HEEL LIFTS. The complete line of PLASTAZOTE, PELITE, ALIPLAST, VOLARA, NICKELPLAST, BIRKO-CORK, JMS BIO-KORK, J-KORK and other cork fabricating materials are available at JMS.

In addition to our Blue and Tan Poly-U, available in sheets, rolls and wheels, JMS now carries new formulations of Slow Recovery and Firm Absorbing Poron.

To aid the practitioner, JMS carries a broad line of PRE-FABRICATED INSOLES and ORTHOTICS, from the complete SOFSOLE line, which includes the highly popular SOF MOTION CONTROL ORTHOTICS, to the J-FAB PRE-FABS, which are shells made with and various combinations from MULTI-LAMS and TRI-LAMS components.

For all your orthotic needs, whether it be for FUNCTIONAL ORTHOTICS, SPORT ORTHOTICS, or for DIABETIC or ACCOMODATIVE ORTHOTICS, JMS Plastics Supply, Inc. is proud to serve you.

LaunchPad O&P – Table 9; www.launchpad-op.com

Our line of components (Pivot, Snapstop & X-tension) for thermoplastic and carbon fiber articulated Ankle Foot Orthosis (AFOs) are all designed to work together. For the first time, there is a family of components that work cohesively and systematically, opening up the possibilities for post-fitting tuning of articulated AFOs in order to create outcomes. These solutions were developed to meet the needs of the technician, practitioner, and patient. Common fabrication methods allow for easy product adoption and the opportunity to bring functional and attractive, low profile end products to your patients.

LaunchPad continues to develop new and innovative solutions to common clinical presentations that impair gait. Our approach to development is built on a multidisciplinary approach, applied learning, experience, creativity, passion, empathy, risks, failures, determination and most of all, a genuine interest to make a difference.

Orthopediatrics Specialty Bracing – Table 1+2; www.opsb.com

At OrthoPediatics, we are a guided by a cause: to help children whose lives have been impacted by orthopedic conditions. This singular focus unites our employees worldwide and drives our business forward.

OrthoPediatics was the first company to focus solely on pediatric solutions in orthopedic care. Since 2006, we have been leading innovation in pediatric orthopedics, creating new products and services for our customers and their patients—and providing enriching career opportunities for our people.

Our products—which are uniquely designed for children—are paramount to everything we do. By teaming up with skilled surgeons, we have the privilege of making a difference in a child's life by helping them realize their full potential.

OrthoPediatics currently market 48 surgical systems that serve three of the largest categories within the pediatric orthopedics market. Our product offering spans trauma and deformity correction, scoliosis, and sports medicine, among other procedures.

Orthomerica Products, Inc. – Table 22; www.orthomerica.com

Since its founding in 1989, Orthomerica has operated with a clear vision and a desire to be the best. That commitment to excellence, innovation, quality, and customer support highlights this milestone along a journey of growth and success.

Over the years, Orthomerica has grown from a startup to a worldwide market leader. From the worldwide best-selling Newport® Hip Orthosis to the STARband® – the world's most prescribed cranial remolding orthosis – Orthomerica has strived for the highest quality every day.

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Ottobock – Table 7; www.ottobock.com/en-us/home

For over 100 years, our mission has been to restore and improve independence for people with mobility challenges. We take pride in the quality and advanced technology that are reflected in our product lines. The people who work for us believe in our mission – taking it as a personal commitment to help make a difference for people who depend on one of our medical products to be more active.

Point Designs LLC – Table 20; www.pointdesigns.com

Point Designs was founded by researchers in the field of upper limb prosthetic design from the Biomechanics Development Laboratory at the University of Colorado. Professors Richard Weir and Jacob Segil have decades of research experience spanning neural interfaces, myoelectric control algorithms, and upper limb prosthetic design.

Along with co-founders Dr. Levin Sliker and Stephen Huddle, the Point Designs team continues to advance the field of partial hand prosthetic design with expertise in additive manufacturing, mechanical design, and clinical care. We are a group of dedicated and passionate individuals working together to improve the lives of the people we serve.

Spinal Technology, Inc. – Table 4; www.spinaltech.com

Spinal Technology, Inc. is the global leader in the design and custom fabrication of Spinal Orthoses, for the stabilization, immobilization, and the correction of various abnormalities of the spine. Specializing in the treatment of Adolescent Idiopathic Scoliosis, we employ the latest technologies and methods for treating each and every patient. Medical experts around the world depend on our expertise for the assessment of patient curvature, the blueprinting of x-rays, the design of each orthosis, and the x-ray evaluation of patients in-brace. We continuously maintain expertise in various scoliosis bracing methodologies, and remain on the forefront of research and development. Our clinical team proudly supports the medical community with advanced educational courses and seminars, along with the dedicated teaching and resources we deliver to various colleges and universities. At Spinal Technology, Inc., we believe that sharing our knowledge, and absorbing that of others, is the most effective way to advance the treatment and care for all patients.

SPIO – Table 26; www.spioworks.com

At SPIO® our bottom line is both financial and social:

- All SPIO, Core-Max, and FabriFlex products are made in the USA
- We pay a livable wage, not just minimum wage
- We believe in fair labor practices
- We participate in our local community by sponsoring and volunteering for local non-profit fundraising events

We use a high quality, specially milled fabric that is lightweight, wick-able and breathable. The unique SPIO® fabric has high rebound and strong neutral memory that assists the wearer in returning their body to mid-line. Custom-made SPIO® orthoses are available by request.

SPS – Table 16; www.spsco.com

Partnership is what we believe in. This means, as the world of healthcare evolves, we evolve along with you. We understand your priority is patient care, so it's our mission to continually expand our business to give you back time to spend with your patients. We will continue to provide exceptional service and explore new ways to save you money on material costs, but we've made it an objective to deliver more than just products.

Surestep – Table 14; surestep.net

Passion is what drives us to serve children who need developmental assistance. Joy is what we feel when we witness the results of our hard work. Here at Surestep, enriching and transforming lives through compassionate care and innovation is at the core of everything we do. It's our mission. Even though it's easy to stay focused on this mission considering the rewarding work we do, we also understand that we can only make an impact with the dedication of our employees. That same passion to change lives also applies to our team members. We strive to provide our employees with a safe, inclusive, and socially responsible workplace that encourages personal growth and success.

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Save the Date!

ACPOC 2025 ANNUAL MEETING

April 9-12 | Dallas, TX | Renaissance Dallas Hotel

History of ACPOC

In 1946, Dr. Carlton Dean, a physician with a Master's Degree in Public Health met with Dr. Charles H. Frantz and Dr. George T. Aitken to organize a Juvenile Amputee Program in Michigan. The objective was to fit the best device available, and to instruct the usage of the prosthesis. For several years during WWII, Dr. Dean was aware that child amputees were fitted with prostheses that were rejected as being inadequate or uncomfortable. He was determined to remedy this situation. During the next several years, they found that prosthetic needs of children differed from age to age and reported that the child was not a miniature adult to whom adult principles and modes of fitting could be applied.

The Juvenile Amputee Training Program was the responsibility of doctors Frantz and Aitken. Initially most of the children had acquired amputations, but by the end of the first decade, half of the child amputee census was congenital. It eventually became apparent that the team approach pioneered in military hospitals for adult amputees worked well, and this concept should also be applied to the care of the child amputees. In 1954 the need for an organized approach to the management of juvenile amputees across the country was discussed in Michigan.

In January, 1954, a meeting was held in Grand Rapids, Michigan, to develop strategy for a national juvenile amputee management program. As a result, General F. S. Strong, Chair of the Prosthetics Research Board, appointed an interim Committee in Child Prosthetic Problems in December, 1955. This Committee of ten members, under the chair of Dr. Charles H. Frantz, held its first meeting in November, 1956, at UCLA, at which time it was made a permanent committee of the Prosthetics Research Board.

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History of ACPOC

In 1959, the Committee was transferred to the Committee on Prosthetics Research and Development of the National Research Council/National Academy of Sciences, at which time it became the Sub-Committee on Child Prosthetic Problems. Dr. Frantz continued to chair the sub-committee until 1967, when Dr. George T. Aitken assumed the chair.

During these early years, the primary functions of the sub-committee were to evaluate experimental components, to disseminate information through publications and conferences, and to establish criteria for clinics wishing to participate in the cooperative Clinic Chief's Program, thereby raising the standards of children's prosthetic care in the United States.

The Interclinic Information Bulletin was first published in October, 1961, by the Child Prosthetic Study program at New York University and has been a most valuable means of communication between the cooperating clinics. This continued as JACPOC, Journal of the Association of Children's Prosthetic-Orthotic Clinics, which has ceased publication.

Four major symposia were sponsored by the sub-committee and the proceedings were then published under the auspices of the National Research Council of the National Academy of Sciences.

1. Normal and Abnormal Embryological Developments: Charles H. Frantz, Editor, held in Chicago, 1966
2. Proximal Femoral Focal Deficiency: A Congenital Anomaly: George T. Aitken, Editor, held in Washington, DC, 1968.
3. Selected Lower Limb Anomalies: Surgical and Prosthetic Management: George T. Aitken, Editor, held in Washington, DC, 1969.
4. The Child With an Acquired Amputation: George T. Aitken, Editor, Held in Toronto, Ontario, 1970.

In the early 1970's, CPRD charged the sub-committee with enlarging its sphere of activity to include children's orthotics and mobility aids. Also during this period, under the guidance of Hector Kay, Assistant Executive Director of CPRD, the sub-committee expanded its conferences to include the cooperating clinic chiefs and their staffs at annual meetings hosted by a selected clinic. This format, which began in 1972, continues to this day. In 1972, Dr. Aitken turned over the chair of the subcommittee to Dr. Leon Kruger.

In 1976, the Committee on Prosthetics Research and Development, as well as the sub-committee, were disbanded by the National Research Council/National Academy of Sciences. As a result, no meeting was held in 1977, but during this time an unsponsored ad-hoc committee functioned to lay the groundwork for a new organization to continue the exchange of information in the area of children's prosthetics and orthotics.

At the Grand Rapids meeting in 1978, the history of the organization was reviewed and it was recommended by the ad-hoc committee that a free-standing organization be created. This proposal received unanimous approval by the clinic chiefs.

In 1979, at the Memphis meeting, officers were elected and a committee appointed to develop a constitution and by-laws. The by-laws were approved during the 1980 meeting in New Jersey and thus the present Association of Children's Prosthetic-Orthotic Clinics came into being.

Currently, the Association of Children's Prosthetic-Orthotic Clinics is an international organization that meets annually at a member clinic host's city either in the United States or Canada. The ACPOC mission is to promote interdisciplinary team development and collaboration, support research in children's prosthetic-orthotic care, disseminate information to children's clinics and improve the lives of patients and their families through education. This diverse network of professionals is based upon mutual respect of each discipline's expertise that contributes to the treatment of the complex problems of the physically challenged. ACPOC continues to grow in membership and in contributions to the advancement of management for children with amputations, orthopaedic, and neuromuscular needs.

Mission

The Association of Children's Prosthetic-Orthotic Clinics (ACPOC) provides a comprehensive resource of treatment options provided by professionals who serve children, adolescents, and young adults with various orthopaedic impairments.

Vision

The Association of Children's Prosthetic-Orthotic Clinics (ACPOC) is recognized as the worldwide leader of multidisciplinary rehabilitative care of children, adolescents, and young adults with orthopaedic impairments.

Objectives

ACPOC will provide information to allow patients and patients' families to access specialized clinics and healthcare providers.

ACPOC endeavors to provide opportunities to educate its membership through newsletters, the Web site, annual conferences and other programming.

ACPOC seeks to stimulate clinical research, which will further advance the technology and treatment approaches for orthopaedic impairments.

ACPOC offers an environment that promotes team collaboration with all medical professionals including, but not limited to, physicians, orthotists, prosthetists, therapists, and nurses.

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Clinic Listings



Find a Clinic or Join our Listing

If you would like to be added to the clinic listings, please fill out the form at this QR code. This information is available to health care providers and families of patients when they access our website. This Clinic Listing is a member benefit for those clinics who have at least 3 people who are ACPOC members.

Donate to ACPOC



Donate Here!

Help sustain the Association and its mission of educating professionals

ACPOC's mission is to provide a comprehensive resource of treatment options provided by professionals who serve children, adolescents, and young adults with various orthopaedic impairments.

Thank you for making a contribution to ACPOC! Your donation will help sustain ACPOC and its mission

Join or Renew Your ACPOC Membership!



Benefits Of Membership

Our membership is the sustaining force behind our organization that affords the ability to provide ongoing interdisciplinary education on children with orthopedic needs. Your annual dues help to fund the annual meetings, the website, the newsletter, and the support staff necessary to run this association. By becoming a member, you have actively endorsed the need for a network of specialty professionals and share in our mission. Participation is encouraged to keep ACPOC strong.

Benefits include:

- Reduced registration fee at annual meetings
- Access to a network of specialty professionals
- Registry Listing-Individual and Clinic
- Triannual issues of ACPOC NEWS
- Website – Members Only section
- Practitioners workshops
- Leadership opportunities