



ACPOC

Association of Children's
Prosthetic-Orthotic Clinics



PROGRAM BOOK

ACPOC 2023 Annual Meeting

May 17-20th

Hyatt Regency Minneapolis

1300 Nicollet Mall, Minneapolis, MN 55403

ACPOC 2023 Annual Meeting

May 17-20th | Minneapolis, MN

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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 2023 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**: Justina Appel CO, PhD; Lisa Artero, MScOT, OT Reg. (Ont.); Kristie Bjornson, PT, PhD; Mary Brown, MS, OTR/L; Amy Carr, MPO, CPO; Mark Dahl, MD; Heather Daley, C.P. (c); Brian Emling, MSPO, CPO; Jorge Fabregas, MD; Emily Gale, PhD, ABPP; Mark Geil, PhD; Jill Gettings, MD; Corey Gill, MD, MA; Brittany Green, PT, DPT; Michelle Hall, CPO, LPO; Kelly Jeans, MS; Kevin Koenig, MPO, CPO; Robert Lipschutz, CPO; Marina Ma, MD; Stephanie Miller, DO; Hannah Neidig, CPO; Gabrielle Nguyen, MD; Tom Novacheck, MD; Helenlyn Popescu, CPO; Jonathon Schofield, PhD; Phoebe Scott-Wyrd, DO; Rebecca Siegel, MD; Jessica Smit, CO; Rebecca Spragg, CPO; Ana Starceovich, MS; Connie Summers, CO; Anna Szczepanek, MS; Brittni Willis, PT, DPT; Vivian Yip, OTD, MA; Sean Zeller, MBA, CPO; Jorge Zuniga, PhD

Relevant Financial Relationships

First	Last	Suffix	Commercial Interest	Role
Mark	Dahl	MD	Stryker	Consultant
Maureen	Hoff		MD Orthopaedics	Consultant
A.	Larson	MD	Globus, Medtronic, Orthopediatrics, Stryker, Alexion	Consultant
Jillian	Okimoto	CPO	Hanger Clinic	Employee
Britta	Schwartzhoff	PT, DPT	Numotion	Clinical Educator
James	Wynne	CPO	Boston Brace Int DBA Boston Orthotics and Prosthetics of Richmond	Employee, Stockholder



JOINTLY ACCREDITED PROVIDER
INTERPROFESSIONAL CONTINUING EDUCATION

Accreditation

In support of improving patient care, this activity has been planned and implemented by Cine-Med and the Association of Children's Prosthetic-Orthotic Clinics. Cine-Med 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 *AMA PRA Category 1 Credit(s)*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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CME Information

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.

ABCOP Credits

The ACPOC Annual Meeting has been awarded continuing education credits by the American Board for Certification in Orthotics, Prosthetics and Pedorthics. 21.75 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 MCEs (Reference #: # 2023-016).

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=acpoc2023>

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.

Commercial Support

This activity is being provided independent of industry support.



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TRU-MOLD SHOES



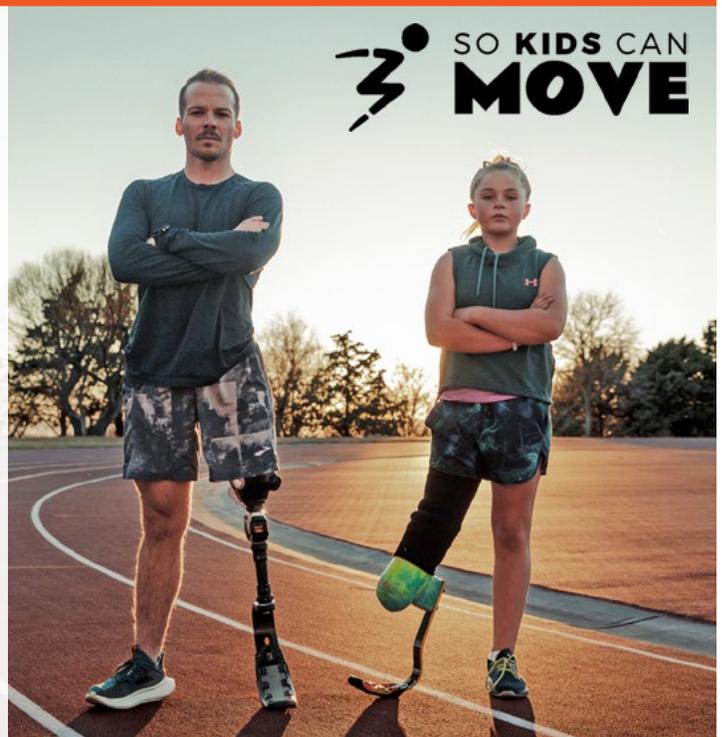
“A hero is an ordinary individual who finds strength to persevere and endure in spite of overwhelming obstacles.”

-Superman

visit us at:
www.mdorthopaedics.com

We believe MOVEMENT IS MEDICINE

But today, thousands of children and youth with limb loss and limb difference are unable to afford and access life-changing prosthetic and orthotic care that helps them be physically active due to a lack of insurance coverage. So Kids Can Move is working to change this through state-by-state legislative action, expanding access to this medically necessary care.



Want to join this movement for change?

Take a look at the map below to see if your state is involved!

Legislation Enacted in 2022

This is now law! Work with our team to submit claims for prosthetic care for physical activity.

- Maine – LD 1003

Legislation Introduced in 2023

We need your help for this to become law! If you live in one of these states, reach out to get involved.

- Arkansas – HB 1252
- Colorado – HB 1136
- Illinois – SB 2195
- Indiana – HB 1433
- New Hampshire – SB 177
- New Mexico – HB 131



Interested States for 2024 and Beyond

Join us as we build a foundation for these states to introduce legislation in 2024 and beyond! **Not on the list? Reach out!**

- Arizona
- Connecticut
- Florida
- Georgia
- Kentucky
- Minnesota
- Missouri
- Ohio
- Oregon
- Tennessee
- Utah
- Washington

CONTACT

Email **Sam Miller**, AOPA's State and Federal Advocacy Manager, at Advocacy@AOPAnet.org to join existing efforts, learn more, or bring So Kids Can Move to your state!

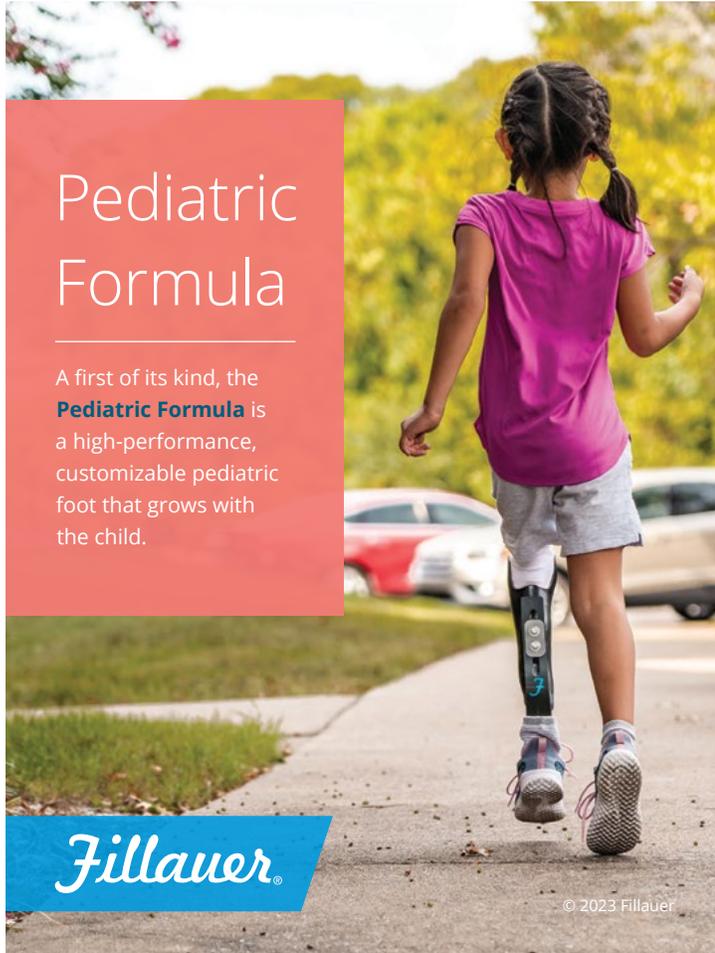
In Partnership With



Reach out to bring So Kids Can Move to your state!

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AND THE FIRST CLINICS



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CONTACT



We provide introductory level adaptive recreation and training for those with physical mobility challenges.



We develop and offer continuing education courses for O&P Professionals and allied healthcare providers with hands-on training.



Whether it's your "First" time back to sport after injury or your "First" time every playing a sport, there is a First Clinic for you!



Some of our most popular clinics include tennis, swimming, scuba diving, dancing, golfing, and rock climbing.



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Meeting Program

(all times listed are CDT)

Wednesday, May 17th

10:00am–8:30pm **Registration**

11:30am–6:15pm **Technical Workshops** *(Moderators: Colleen Coulter, Brian Emling and Robert Lipschutz)*

11:30am–12:15pm **Practical Pediatric Orthotic Solutions** — Cascade Orthopedic Supply

12:30–1:15pm **MyCRO Band: Digital CRO solution** — Ottobock

1:30–2:15pm **Innovation and Technology in the Treatment of Clubfoot** — MD Orthopaedics

2:30–3:15pm **It's Variable! Transforming Postural Control with a Modular AFO: The SureStep Indy 2 AFO System** — Surestep

3:30–4:15pm **Dynamic Flexible Bracing: SPIO CoreMax TLSOs** — Spio Inc.

4:30–5:15pm **Dynamic Movement Orthosis - Updates and Evidence Base** — Boston O&P

5:30–6:15pm **Redefining pediatric SMO, AFO, and cranial orthosis with 3D printing: Benefits, Challenges and Patient Cases** — Invent Medical

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

6:30–8:30pm **Welcome Reception with Vendors in Exhibit Hall**

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

Thursday, May 18th

7:00–8:00am **Continental Breakfast**

7:00am–5:00pm **Registration**

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

8:05–8:15am **New Investigator Research Awards Presentation**
Colleen Coulter PT, DPT, PhD, MD – ACPOC President



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Thursday, May 18th

8:15–10:00am	SESSION I – BEHAVIORAL HEALTH Moderator: Rebecca Spragg
8:15–9:15am	Impact of Aging Throughout the Lifespan and Strategies for the Care of the Orthotic Patient Michelle Hall, MS, CPO, FAAOP(D), Jill Gettings, MD, Britta Schwartzhoff, PT, DPT, ATP
9:15–9:35am	When the Patient Can Finally Consent... Dr. Jorge Fabregas, MD and Rebecca Hernandez, CPO, LPO
9:35–9:55am	Clinical Outcomes Measurement in Pediatric Lower Limb Prosthetics: A Scoping Review Kevin Koenig, Jr., MPO, CO, Michelle Hall, MS, CPO, FAAOP(D), Dr. Caroline Gormley, DO, Dr. Sara Morgan, PhD, CPO and Dr. Jennifer Laine, MD
9:55–10:00am	Discussion
10:00–10:45am	Break In Exhibit Hall
10:45–11:45am	<i>Moderator: Colleen Coulter</i> Hector Kay Lecturer – The Modern History of Limb Lengthening Mark Dahl, MD
11:45am–2:30pm	SESSION II – NEUROMUSCULAR GAIT ANALYSIS Moderator: Kelly Jeans
11:45am–12:30pm	<i>Moderator: Colleen Coulter</i> How the Knowledge Gained from 3D Gait Analysis has Led to Revolutionary Change in the Management of Gait Disorders for Individuals with Cerebral Palsy Tom Novacheck, MD
12:30–1:30pm	Lunch In Exhibit Hall
1:30–2:30pm	How to Have Difficult Discussions: A Multidisciplinary Approach Using Palliative Care Methods Dr. Gabrielle Nguyen, MD, Dr. Marina Ma, MD and Dr. Stephanie Miller, DO
2:30–2:50pm	SESSION III – GENERAL Moderator: Vivian Yip
2:30–2:50pm	Join the Movement: Learn How you can Change Children’s Lives by Donating Equipment Through Penta Anna Szczepanek, MS, Mijamin Strong, MGM and Henry Iseman, BA
2:50–5:30pm	SESSION IV – UPPER EXTREMITY Moderator: Phoebe Scott-Wyard
2:50–3:10pm	Upper Extremity Prosthetic Training Based on Developmental Skill Progression Mary Ellen Brown, MS, OTR/L

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3:10–4:00pm **Break In Exhibit Hall**

4:00–5:30pm **SESSION IV: UPPER EXTREMITY (CONT.)**

4:00–4:10pm **Pediatric Congenital Bilateral Shoulder Disarticulation Protheses: A Creative Solution**
Robert Lipschutz, CPO and Jessica Siegler, MSOP, CO

4:10–4:20pm **Understanding the Capacity for Children with Congenital Upper Limb Deficiency to Actuate their Affected Muscles**
Jonathon Schofield, PhD, Marcus Battraw, BS, Justin Fitzgerald, BS, Wilsaan Joiner, PhD, Dr. Michelle James, MD and Anita Bagley, PhD

4:20–5:20pm **The Sweet Spot for Motor Learning in Children with Congenital Limb**
Jorge Zuniga, PhD

5:20–5:30pm **Discussion**

5:30pm **Adjourn**

Friday, May 19th

7:00–8:00am **Continental Breakfast**

7:00am–5:00pm **Registration**

8:00–10:15am **SESSION V – SPINE**
Moderator: Jorge Fabregas

Moderator: Colleen Coulter
8:00–9:00am **Innovations in Pediatric Scoliosis Care**
Dr. Noel Larson, MD, FAAOS, FAOA

9:00–9:10am **Discussion**

9:10–9:20am **Short-Term Outcomes of the Boston Brace 3D Program Based on SRS and SOSORT Criteria: A Retrospective Study**
James Wynne, CPO, FAAOP

9:20–9:30am **Custom TLSO for Treatment of Scoliosis and Omphalocele**
Connie Summers, CO

9:30–9:40am **Are they a P&O candidate? – Spinal Stroke**
Helenlyn Popescu, MPO, CPO

9:40–9:50am **Are they a P&O candidate? – Lumbosacral Agenesis**
Helenlyn Popescu, MPO, CPO

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9:50–10:00am	Are they a P&O candidate? – SCI and TT Amputation Helenlyn Popescu, MPO, CPO
10:00–10:15am	Discussion
10:15–11:00am	Break in Exhibit Hall
11:00am–12:00pm	SESSION VI – OUTCOMES Moderator: Rebecca Spragg
11:00–11:10am	Getting the Prosthetic Upper Limb Functional Index (PUFI-2) into Clinical use: Examining Clinicians’ Experiences using the New Web-Based Version of the Measure Maria Falcon Obregon BA, RECE, MscOT, Marlie Clark, BSc, MscOT, Lisa Artero, MSc (OT), OT Reg (Ont), Virginia Wright, PT, PhD, Sandra Ramdial, CPO, and Ilana Naiman, MSc, R. Kin, PhD
11:10–11:20am	Do Gait Compensation Patterns Change Over Time in Pediatric Amputees? Kelly Jeans, MS, Cody Barrett, MS and Lane Wimberly, MD
11:20–11:30am	A Registry of Patients with Lower Limb Deficiency Treated at a Single Institution: A Fifty-Year Experience Corey Gill, MD/MA, Taylor Zak, MD, Shanee Abouzaglo, BS, Anthony Minopoli, BS, Claire Shivers, BS, Hannah Worrall, MPH, Jessica Laureano-Phillips, MPH, Jordan Polk, BA and John Herring, MD
11:30–11:40am	Limb Deficiency Clinic Physical Therapy Outcome Measure Decision Tree/List Brittini Willis, PT, DPT and Brittany Green, PT, DPT, BSPTS C2
11:40–11:50am	Optimizing Stability and Mobility: Evaluation of the Relationship between Toe-Plate Thickness of Floor Reaction Ankle Foot Orthoses and Terminal Stance Gait Kinematics in Children with Lumbar-Level Myelomeningocele Amy Carr, MPO, CPO and Karl Barner, CPO, BSOP
11:50 am–12:00pm	Discussion
12:00–1:00pm	Member Business Meeting and Lunch in Exhibit Hall
1:00–3:00pm	SESSION VII – NEUROMUSCULAR Moderator: Kelly Jeans
1:00–2:00pm	<i>Moderator: Colleen Coulter</i> Presidential Lecturer: Oh! the Places They Go: Walking Mobility in Cerebral Palsy Kristie Bjornson PT, DPT, PhD
2:00–2:20pm	Common Pediatric Cerebral Palsy Classifications Affecting Caregiver Burden Hannah Hodge, CPO, MPO and Robert Lipschutz, CPO

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- 2:20–2:40pm **Neuromuscular Deficits in Clubfeet Associated with Constriction Band Syndrome**
Anna Starcevich, MS, Dr. Leah Demetri, MD, Dr. Michelle James, MD and Dr. Joel Lerman, MD
- 2:40–2:50pm **Discussion**
- 2:50–3:00pm **Parent Perspective of Clubfoot Treatment**
Maureen Hoff, Clubfoot Parent Advocate
- 3:00–3:45pm **Break In Exhibit Hall**
- 3:45–5:00pm **SESSION VIII- CLINICIAN GUIDED FORUM**
Moderators: Anna Vergun, MD and Jorge Fabregas MD
- 3:45–4:45pm **Exhibitor Forum** — Exhibitors Only
- 5:00pm **Adjourn**
- 6:00–9:00pm **Optional Social Event**

Saturday, May 20th

- 7:00 am–8:00am **Continental Breakfast**
- 7:00 am–12:10pm **Registration**
- 8:00–9:20am **SESSION IX – GENERAL AND PSYCHOLOGICAL CONSIDERATIONS**
Moderator: David Rotter
- 8:00–8:30am **Psychosocial Considerations for Children with Limb Difference and their Families During and After the Global Pandemic**
Dr. Phoebe Scott-Wyard, DO and Vivian Yip, OTD
- 8:30–8:50am **Sports Participation and Prosthetic/Adaptive Equipment Use in Youth with Lower Limb Deficiency/Amputation**
Rebecca Siegel, MD, Katherine Koritz, BA, Stephanie DeLuca, MD, Sachin Pathangey, BS, Maria F. Canizares, MD, MPH and Mary Dubon, MD
- 8:50–9:10am **Let's Get Functional: Orthotic Function According to the Healthcare Team**
Rebecca Spragg, MSPO, CPO
- 9:10–9:20am **Discussion**



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Saturday, May 20th

9:20–10:20am	SESSION X – CHALLENGING CASES Moderator: Anna Vergun
9:20–9:30am	Teenage Boy with Pseudoarthrosis of the Knee and Large Leg Length Discrepancy Dr. Jorge Fabregas, MD and Brian Emling, CPO
9:30–9:40am	Tis but A Scratch: The Case of the Devastating Scrape Dr. Phoebe Scott-Wyard, DO and Jillan Okimoto, CPO
9:40–9:50am	Not Exactly “Arms” Sean Zeller, CPO, MSPO, MBA
9:50–10:00am	Psychological Aspects of Lawnmower Injuries Resulting in Amputations Dr. Emily Gale, PhD, Dr. Corey Gill, MD, MA, Ashley Ofori, MPH and Arena Sayavong, MS
10:00–10:10am	Pediatric Psychologists’ Roles in Prosthesis Clinics: Clinical, Research, and Programmatic Contributions Dr. Emily Gale, PhD
10:10–10:20am	Challenging Case: Traumatic Partial Hand Amputation and Horseback Riding Heather Daley, MScESS, CP©
10:20–10:30am	Discussion
10:30–10:50am	Break In Exhibit Hall — (Check out of hotel)
10:50am–12:00pm	SESSION XI – TOE WALKING Moderator: Sheila Mason
10:50–11:50am	Best Practices for Determining and Implementing Orthotic Interventions for Toe Walking Dr. Justina Appel, PhD, Dr. Mark Geil, PhD and Robert Meier, BS
11:50am–12:00pm	Talipes Equino Varus and Residual Issues, What Happens After the Ponsetti Method Dr. Justina Appel, PhD
12:00–12:10pm	Discussion
12:10pm	Adjourn/Closing Remarks Colleen Coulter PT, DPT, PhD, MD – ACPOC President

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Technical Workshops

(Wednesday, May 17, 2023 | 11:30 AM–6:15 PM)



Practical Pediatric Orthotic Solutions by Cascade Orthopedic Supply, LP 11:30am–12:15pm

Presented By: Anisah Mirza, MBA, CPO

Anisah Mirza, MBA, CPO/L, has worked in a variety of positions and numerous organizations throughout her orthotic and prosthetic career. She obtained her Bachelor of Arts in Biology in 2005 from the University of Colorado at Boulder and attended Northwestern University in 2010 and 2012 to get her Certificate in Orthotics and Prosthetics. Following her education, Anisah spent time working in a clinical setting as a CPO before returning to school at the University of Missouri Saint Louis to obtain her Master of Business Administration. In her most recent position, Anisah was able to put her love of learning and education to use as an Instructor for Northwestern's Prosthetics and Orthotics Program. Joining Cascade Orthopedic Supply, LP in 2022, Anisah is ready to support Cascade's diverse product offering through clinical guidance and education. Anisah's clinical specialties include Pediatric Orthotics and Prosthetics, primarily those with congenital disorders, AFOs, KAFOs, and cranial remolding treatments.



MyCRO Band: Digital CRO Solution by Ottobock 12:30–1:15pm

Presented By: Jaime Perez-Pineda, CPO

JP is an ABC Certified Prosthetist and Orthotist who received his master's degree in Prosthetics and Orthotics from UT Southwestern Medical Center in 2012 and a bachelor's degree in biology and studio art from Lake Forest College in 2010. After finishing his master's, JP completed his orthotic residency at the Connecticut Children's Medical Center where he developed a passion for working in pediatrics. Since then, JP has worked in clinics all over the country dedicating his O&P career to cranial remolding orthoses.



Innovation and Technology in the Treatment of Clubfoot by MD Orthopaedics 1:30–2:15pm

Presented By: Jeff Dassow and Maureen Hoff

Jeffrey Dassow is the Director of Strategic Partnerships at MD Orthopaedics. Jeff has spent the last decade of his career in the medical device industry, working for companies such as Stryker, DePuy Synthes, and Acumed.

Maureen Hoff is the author of "Clubfoot Chronicles," a book inspired by her personal experience with her daughter's diagnosis of clubfoot. Her daughter was born in 2018, and when she was diagnosed with clubfoot, Maureen knew very little about the condition. To cope with the difficult times and find a purpose, Maureen decided to write about her family's journey. Her book became a source of inspiration and support for other parents going through the same experience. Maureen has a passion for helping others and she continues to share her story and offer encouragement to families dealing with clubfoot with her podcast "A Clubfoot Mom".



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Technical Workshops

(Wednesday, May 17, 2023 | 11:30 AM–6:15 PM)



It's Variable! Transforming Postural Control with a Modular AFO: The SureStep Indy 2 AFO System by Surestep
2:30–3:15pm



Presented By: Steve Kulifaj, CO/BOCP/LO

Steve Kulifaj is a certified and licensed orthotist-prosthetist with more than 22 years of clinical experience. He was a lead orthotist for a pediatric specialty team in Minnesota, co-founded a three- facility O&P pediatric practice in Minnesota, and is recognized in several states for his scoliosis treatments and lower extremity bracing. Steve provided pediatric care in children's hospitals in Detroit and Minneapolis and Hennepin County Medical Center's pediatric specialty clinic, also forming multi- state pediatric teams. With his strong business acumen and extensive clinical knowledge, Steve became the CEO of an innovative medical company, remaining a board member today. With his passion for speaking and education, marketing and clinical advancement, and the entire field of O&P, Steve is currently serving as Surestep's senior director of global development.



Dynamic Flexible Bracing: SPIO CoreMax TLSO's by SPIO Inc
3:30–4:15pm

Presented By: Nancy Hylton, PT, LO

Nancy Hylton has been a pediatric physical therapist for 48 years, graduating from University of Washington in 1969. She began the development of dynamic casting and orthotics in 1971 working first with tone reducing casts and AFOs and continuing with contoured foam, neoprene and Lycra compression to assist active alignment, stability, balance and tone control.

Nancy is co-founder of Children's Therapy Center, Kent, Washington, USA in 1979 which has grown to become a major developmental neuromuscular center on the west coast of the US. She has taught in the US and internationally since the 1970's, published numerous articles and a book on dynamic orthotics. Though her professional work began with small children, she also works with neurologically impaired teen-agers and adults. She has an adult son with cerebral palsy who has greatly enlarged her understanding of the importance of sensory awareness deficits in all of these conditions.

In the late 1990's Nancy, and parent Cheryl Allen, co-designed a compression bracing system for children with sensory and motor delays. They named these systems SPIO, Stabilizing Pressure Input Orthosis, which is now a leading international brand in compression bracing.

Nancy has had a lifetime of dedication to children, innovation, and expanding peoples understanding of how the sensory and motor systems work in conjunction with each other.



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Technical Workshops

(Wednesday, May 17, 2023 | 11:30 AM–6:15 PM)



Dynamic Movement Orthosis – Updates and Evidence Base by Boston O&P 4:30–5:15 pm

Presented By: Martin Matthews, M.Phil, Dip OPTEC; MBAPO

Martin Matthews qualified in 1981 as an orthotist from Salford Polytechnic College, before moving to Norwich in 1991. He developed his speciality in paediatrics and scoliosis management, working closely with other allied health professions in combined therapy / orthotics clinics at the Norfolk & Norwich University Hospital NHS Trust.

He has always encompassed innovation in the field of orthotics and has developed the use and design options of dynamic elastomeric fabric orthoses (DEFOs) over the last 20 years. In 2008 he gained research Master of Philosophy Degree (University of East Anglia) investigating the effects of DEFOs on the child with diplegia and has presented internationally at numerous orthotic and physiotherapy conferences on scoliosis orthotic intervention in children with neuropathic onset scoliosis. Along with fellow researchers he has published a number of paper on scoliosis management using DEFOs to slow or reverse scoliosis in children with cerebral palsy without the need for rigid bracing. He has published numerous papers in international peer reviewed journals and presented at many international conferences in orthotics and physiotherapy, including AACPD, SOSORT, ISPO, BAPO and AAOP academic meetings.

He was the orthotic external examiner for the University of Salford Orthotic and Prosthetic degree course for 6 years and is currently Honorary Associate Professor at the University of Plymouth, Faculty of Health, School of Health Professions.

He is responsible for the research and development at DM Orthotics Ltd, developing further the uses and functions of DEFOs in the field of sports, neurological dysfunction and musculo- skeletal rehabilitation in corroboration with several universities around the world. The latest research has been on incorporation of functional electrical stimulation within the Dynamic Movement Orthoses (DMO) dorsiflex open backed socks, utilising a patented membrane



Redefining Pediatric SMO, AFO, and Cranial Orthosis with 3D Printing: Benefits, Challenges and Patient Cases by Invent Medical USA 5:30–6:15 pm

Presented By: Claire Repisky and Pavel Repisky

Claire has been with Invent Medical USA for over 3 years. Starting as an Account Manager, she quickly connected with the company's goals of Helping through Innovation. She gladly assumed more roles and now works closely with the Business Development team to focus on education and digital marketing in pursuit of sharing Invent Medical's mission worldwide.



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2023 Hector W. Kay Memorial Lecturer



The Modern History of Limb Lengthening

Mark Dahl, MD
University of Minnesota
Thursday, May 18, 2023

Mark Thomas Dahl, MD, is Director of Limb Lengthening and Deformity Correction at Gillette Children's Specialty Healthcare in St. Paul, Minnesota, and Professor of Orthopedic Surgery at the University of Minnesota. After graduating from Mayo Clinic School of Medicine in 1980, Dr. Dahl completed graduate studies in orthopedic surgery and orthopaedic surgery residency at the University of Minnesota. During this time, he

developed an interest in improving limb lengthening technology and care. No centers offered limb lengthening and deformity care in North America at the time, and he sought further education in Lecco, Verona, and Milan, Italy; Sheffield, England; Munich, Germany; and Kurgan, Siberia. In Siberia, he learned the techniques developed by Professor Gavriil Ilizarov.

Over a 40+ year career, Dr. Dahl has taken care of adult and pediatric patients with complex and rare orthopaedic conditions, including congenital limb deficiencies, limb length discrepancy, congenital and acquired upper and lower extremity deformities, malunions, and nonunions. He has performed over 6,000 lengthenings and bone transport procedures and has extensive experience with complex joint arthroplasty. During his career, Dr. Dahl has been consistently on the forefront of developing and adapting less invasive internal techniques to achieve limb lengthening and deformity correction.

Continued study has led him to develop and publish numerous techniques. He holds eight patents on medical devices and coauthored a textbook on motorized implantable limb lengthening (*Intramedullary Limb Lengthening: Principles and Practice*). He has revolutionized the care of patients with congenital pseudarthrosis of the tibia, a condition which is notoriously difficult to treat, utilizing a minimally invasive growth modulation approach. Dr. Dahl has presented lectures and surgery at over thirty universities in fifteen countries and has mentored surgeons around the world to improve the care of complex orthopedic conditions. Dr. Dahl volunteers on medical missions and is a bronze sculptor, a husband and father of three daughters, and grandfather to six grandchildren.

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.



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Past Hector Kay Lecturers

- 1985 — Charles Scott, MD, Wilmington, DE
1986 — Georg Neff, MD, Tübingen, Germany
1987 — R. Merv Letts, MD, FRCS(c), Winnipeg, MB, Canada
1988 — Norman Berger, BS, MS, New York, NY
1989 — Dudley Childress, PhD, Chicago, IL
1990 — Leon Kruger, MD, Springfield, MA
1991 — Charles H. Epps, Jr., MD, Washington, DC
1992 — N/A
1993 — Robert E. Tooms, MD, Memphis, TN
1994 — Yosio Setoguchi, MD, Los Angeles, CA
1995 — Mary Williams Clark, MD, Hershey, PA
1996 — Michael J. Goldberg, MD, Boston, MA
1997 — Michael Lovett, PhD, Dallas, TX
1998 — Curtis D. Edholm, MD, Grand Rapids, MI
1999 — Hugh G. Watts, MD, St. Pete's Beach, FL
2000 — Michael Keith, MD, Banff, AB, Canada
2001 — Lewis B. Holmes, MD, Houston, TX
2002 — Craig W. Heckathorne, MS, Chicago, IL
2003 — Sandra Dukat, Heber City, UT
2004 — Michelle A. James, MD, Sacramento, CA
2005 — Peter F. Armstrong, MD, Tampa, FL
2006 — Randall R. Betz, MD, Philadelphia, PA
2007 — John R. Fisk, MD, Springfield, IL
2008 — James A. Harder, MD, Alberta, BC, Canada
2009 — Sheila Hubbard, OT, PT, Toronto, ON, Canada
2010 — Kenneth J. Guidera, MD, Twin Cities, MN
2011 — John H. Bowker, MD, Miami, FL
2012 — Ellen M. Raney, MD, Portland, OR
2013 — Terry R. Trammell, MD, Indianapolis, IN
2014 — Lori A. Karol, MD, Dallas, TX
2015 — Eric P. Neufeld, CPO, FAAOP, Denver, CO and David J. Krupa, CP, Quito, Ecuador
2016 — Melissa Stockwell, CP, Chicago, IL
2017 — Scott Kozin, MD, Philadelphia, PA
2018 — John G. Birch, MD, FRCS(C)
2019 — Joan E. Edelstein, MA, PT
2020 — Deborah Gaebler-Spira, MD
2021 — Stan Sonu, MD, MPH
2022 — Ola L.A. Harrysson, PhD

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Presidential Guest Speaker



Oh! The Places They Go: Walking Mobility in Cerebral Palsy

Kristie Bjornson, PT, DPT, PHD
University of Washington
Seattle Children's Research Institute
Friday, May 19, 2023

Kristie Bjornson, PT, MS, PhD is Professor, Developmental Medicine, Pediatrics, Adjunct Research Professor, Rehabilitation Medicine at the University of Washington, and Seattle Children's Hospital Research Institute. Clinically, she has over 40 years of clinical experience in settings such as the NICU, public schools, birth-to-three centers, and at Seattle Children's Hospital. Ms. Bjornson's doctoral work focused on the assessment of walking activity, health, and quality of life in ambulatory children with cerebral palsy (CP). She was the first to publish community-based walking activity in children with CP. Dr Bjornson's clinical trial experience includes the randomized trial and meta-analysis of selective dorsal rhizotomy and botulinum toxin-A injection therapy as well as early safety trials for intrathecal baclofen. Ongoing research includes power training combining the Total Gym and treadmill training, a home-based treadmill training study and a project examining the Ankle-Foot Orthoses Footwear Combination (AFO-FC) orthotic management approach for ambulatory children with CP.

Past Presidential Guest Speakers

- 1982 — John Hall, MD, Boston, MA
- 1983 — Henry Cowell, MD, Boston, MA and Sherman Coleman, MD, Salt Lake City, UT
- 1984 — Aaron Favors, PhD, Rockville, MD and Jean Pillet, MD, Paris, France
- 1985 — Morris Milner, PhD, Toronto, ON, Canada
- 1986 — Dennis Dougherty, PhD, Milwaukee, WI
- 1987 — Judith Hall, MD, Vancouver, BC, Canada
- 1988 — Newton C. McCollough, III, MD, Tubac, AZ
- 1989 — Newton C. McCollough, III, MD, Tampa, FL
- 1990 — Ernst Marquardt, MD, Salzburg, Austria
- 1991 — Robert Gillespie, MD, Buffalo, NY
- 1992 — Michael J. Goldberg, MD, Boston, MA
- 1993 — Kenneth L. B. Brown, MD, Montreal, QB, Canada
- 1994 — John Michael, CPO, Chanhassen, MN
- 1995 — Peter Rosenbaum, MD, Hamilton, ON, Canada
- 1996 — Joseph P. Vacanti, MD, Boston, MA
- 1997 — N/A
- 1998 — N/A
- 1999 — Cheryl T. Harrell, ACSW, LCSW, St. Pete's Beach, FL
- 2000 — Sandra Gordon, Banff, AB, Canada
- 2001 — William Kennedy Smith, MD, Houston, TX
- 2002 — Gerhard N. Kiefer, MD, Calgary, AB, Canada
- 2003 — Norris C. Carroll, BSc, MD, FRCSC, Sarasota, FL
- 2004 — Dudley S. Childress, PhD, Chicago, IL
- 2005 — Randal R. Betz, MD, Philadelphia, PA
- 2006 — N/A
- 2007 — Mark Huang, MD, Chicago, IL
- 2008 — Jacques D'Astous, Salt Lake City, UT
- 2009 — Todd Anderson, CP, Minneapolis, MN
- 2010 — Rene Baumgartner, MD, Munster, Germany
- 2011 — Robert S. Gailey, PhD, PT, Miami, FL
- 2012 — Diane L. Damiano, PhD, PT, Bethesda, MD
- 2013 — Colin F. Moseley, MD, FRCS(c), Los Angeles, CA
- 2014 — Michael D. Sussman, MD, Portland, OR
- 2015 — Todd A. Kuiken, MD, PhD, Chicago, IL
- 2016 — Gregory L. Dumanian, MD, Chicago, IL
- 2017 — John Dormans, MD, Houston, TX
- 2018 — James R. Kasser, MD, Boston, MA
- 2019 — Donald E. Katz, CO, Dallas, TX
- 2020 — Danielle Melton, MD, Houston, TX
- 2021 — Unni Narayanan, MBBS, MSc, FRCS, Toronto, ON Canada
- 2022 — Jennifer Brondon, MD, Charlotte, NC

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Invited Guest Speakers



How the Knowledge Gained from 3D Gait Analysis has Led to Revolutionary Change in the Management of Gait Disorders for Individuals with Cerebral Palsy

Tom Novacheck, MD
Thursday, May 18, 2023
11:45 AM-12:30 PM

Dr. Novacheck is a pediatric orthopaedic surgeon who specializes in treating cerebral palsy and other complex pediatric orthopaedic conditions. He has been at Gillette Children's Specialty Healthcare in St. Paul, MN, USA since 1991 after completing his pediatric orthopaedic fellowship at Newington Children's Hospital in Connecticut. At Gillette Children's, he is Medical Director of Integrated Care Services and past Chief of Staff. He

is a Professor in the Department of Orthopedics at the University of MN.

Dr. Novacheck's research has focused primarily on outcomes studies of management of gait disorders in individuals with cerebral palsy and the improvement and development of motion analysis testing methods. Educational activities for residents, fellows, and health care professionals are focused primarily on normal walking and running gait, as well as pathological gait, particularly cerebral palsy. He has been a member of the teaching faculty of the annual international gait interpretation course since 1991.

He is currently serving as the past President of the American Academy for Cerebral Palsy and Developmental Medicine.



Innovations in Pediatric Scoliosis Care

Dr. Noel Larson, MD, FAAOS, FAOA
Friday, May 19, 2023
8:00 - 9:00 AM

A. Noelle Larson, MD, FAAOS, FAOA, is pediatric orthopaedic surgeon at the Mayo Clinic in Rochester, MN. She is a Professor of Orthopedics and Director of Research for the Division of Pediatric Orthopedics. Dr. Larson is certified by the American Board of Orthopaedic Surgery.

She completed her undergraduate degree with Honors in Physics at Stanford University. Dr. Larson earned her medical degree at the University of Washington, Seattle, WA. She completed surgery residency training at the Mayo Clinic and the Edwards Fellowship at Texas Scottish Rite Hospital for Children, Dallas, TX. She has

served as Board Member at Large and Research Council Chair for Pediatric Orthopedic Society of North America. She currently serves on the Research Council for Pediatric Spine Study Group and the Education Committee for Scoliosis Research Society.

Dr. Larson has authored over 175 research publications in peer-reviewed journals. She co-directed the Minimize Implants Maximize Outcomes Randomized Clinical Trial and is the PI for a US surgeon-sponsored FDA Investigational Device Exemption study for novel scoliosis implants. She is an active member of Harms Study Group and currently serves on the Board of Harms Study Group/Setting Scoliosis Straight Foundation. Dr. Larson's research interests include novel strategies for the treatment of scoliosis, early-onset scoliosis, and CT-guided navigation.

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Speaker Information



Amy Carr, MPO, CPO

Amy Carr, MPO, CPO is an ABC-certified Prosthetist/Orthotist who was introduced to prosthetics as a little girl while accompanying her grandpa to his appointments. She has a Bachelor of Science in Exercise Biology and Psychology from the University of California, Davis, and a Master of Prosthetics and Orthotics from the University of Washington. Amy completed her prosthetics residency and the Tibor Ruben VA Medical Center in Long Beach, CA, and her orthotics residency at Children’s Healthcare of Atlanta.

Her passion for patient care collided with her passion for international advancement of P&O when she was selected to spend three months in Buenos Aires, Argentina as a team leader overseeing the integration of P&O in to the Hospital de Niños and Clínicas Especializadas Pediátricas de Buenos Aires. She has participated in research on transfemoral running prosthesis alignment, dynamic exoskeleton systems, and tuning of FRAFOs for children with spina bifida.

Amy strives to give back to our field as a member of the International Society of Prosthetics and Orthotics (ISPO), helping to foster clinician relationships in Argentina, and as an adaptive track and swim coach for the Challenged Athletes Foundation and San Diego Adaptive Sports. Amy spends her free time at the beach, doing triathlons, and with friends and family.



Ana Starcevich

Ana Starcevich is a third-year medical student at the University of California, Davis School of Medicine.



Anna Szczepanek, M.S.

With over eight years of nonprofit leadership and global health experience, Anna has worked extensively in helping develop and execute programs involving access to healthcare services in underserved communities around the world. She holds a Master of Science in Global Affairs from the New York University Center for Global Affairs, where she concentrated in international development. In her role as Penta Medical Recycling’s Deputy Director, she leads the growth of the organization, helps to form strategic partnerships, and works to achieve Penta’s mission of providing mobility around the world.



Brian Emling, MSPO, CPO, LPO

Brian Emling, MSPO, CPO, LPO graduated in 2013 with a Master’s of Science in Orthotics and Prosthetics from Eastern Michigan University. Following, he attended residency at the University of Oklahoma Health Sciences Center, a Level 1 trauma center and home to the Amputee Clinic specializing in Osteomyoplastic reconstruction. In 2015 he began working at Children’s Healthcare of Atlanta in the Orthotics and Prosthetics Department. Brian is particularly interested in emerging technologies to advance O&P care and has presented nationally on CAD design and 3D printing in O&P. Brian initiated the use of 3D printing within the O&P Department at Children’s Healthcare of Atlanta and in-house preoperative model printing for Orthopedics. Brian attends a multidisciplinary Cerebral Palsy Clinic, serves on the Children’s Healthcare of Atlanta Cerebral Palsy Conference Planning Committee and a member of Children’s Comprehensive Limb Difference Program. Brian’s clinical care is broad although his interest in CAD CAM technology has led to the development of partial hand devices as well as early intervention transradial prostheses utilizing silicone injection molding.

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Britta Schwartzhoff, PT, DPT, ATP

Britta Schwartzhoff, PT, DPT, ATP received her Doctorate of Physical Therapy from St. Catherine University in St. Paul, MN. She has served in both inpatient and outpatient settings throughout her career, including working in a seating and positioning specialty clinic. She specializes in serving complex rehab needs, including adults with childhood onset disabilities. Britta is passionate about providing opportunities, tools, and complex rehab technology equipment that promote independence, function and health optimization throughout the lifespan. Britta has had the opportunity to specialize and present at universities and multiple national and international level conferences regarding the benefits and processes on standing throughout the lifespan, integrated standing features, transitioning mobility and positioning devices throughout adulthood, seating clinic collaboration, and more. Britta currently works as a national clinical educator at Numotion. She is a member of the Clinician Taskforce and the Clinical Advisory Board for Altimate Medical.



Brittany Green, PT, DPT, BSPTS C2

"I want to inspire people. I want someone to look at me and say, because of you I didn't give up"- Unknown

Clinical Interests:

Torticollis, developmental orthopedics, Schroth, neuro rehab

Research Interests:

Schroth, Treatments for Muscular Dystrophy

* Schroth Therapy

*C1 and L1 certified therapists are able to treat idiopathic adolescent scoliosis

*C2 certified therapists are able to treat idiopathic adolescent scoliosis, post-surgical patients, adult scoliosis, and treat with group sessions



Brittni Willis, PT, DPT

As a physical therapist clinical specialist at Texas Children's hospital I evaluate and treat pediatric patients with compassion and strive to promote optimal health and function. Regardless of a patient's diagnosis, I treat each patient as an individual and create a patient and family plan of care specifically based off their desired functional goals. I stay up to date with continuing education courses and research articles to provide the evidence based care I can and lead by example in the work place.

Clinical Interests:

Pulmonary and lung transplant, limb deficiency, limb deformity and reconstruction, developmental, genetic and neurological diagnoses

Research Interests:

Pulmonary and lung transplant, limb deficiency, orthotics and prosthetics, and motor learning and planning



Connie Summers, CO

Connie is Certified Orthotist working at Mary Free Bed Rehabilitation Hospital for the past 6 years. There she is one of the primary pediatric preceptors for the Orthotist Residents. Connie solely works with pediatric patients, with a strong focus on scoliosis and lower limb orthotics. Connie attended Northwestern University's Prosthetic-Orthotic Center and has an undergraduate degree from Eastern Michigan University in Sports Medicine with concentration in Athletic Training. She is passionate about her work in pediatrics and is always looking to gain more knowledge, as well as give back to the field. In her free time, Connie loves spending time with her family especially with her niece and nephew. Her favorite time is summer on Lake Michigan.

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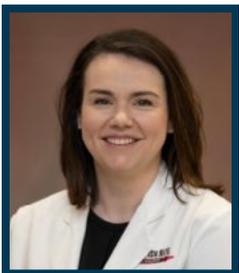
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Speaker Information



Corey S. Gill, MD/MA

Corey S. Gill, MD/MA, is a Pediatric Orthopaedic Surgeon at the Scottish Rite Hospital for Children and an Assistant Professor in the Department of Pediatric Orthopaedic Surgery at UT Southwestern Medical Center in Dallas, Texas. He completed undergraduate education at the University of Georgia, followed by medical school and orthopaedic residency at Washington University in St. Louis. He completed a Fellowship in Pediatric Orthopaedic Surgery at the Scottish Rite Hospital for Children, and worked as the Medical Director of Pediatric Orthopedics at Medical City Children's Hospital Dallas prior to his current position at Scottish Rite Hospital. Dr. Gill is a Fellow of the American Academy of Orthopaedic Surgeons (AAOS) and is an Active Member of the Pediatric Orthopaedic Society of North America (POSNA). As a POSNA member, he has served on the Pediatric Orthopaedic Global Outreach (POGO) Committee. Clinically, Dr. Gill treats patients with a variety of congenital and acquired pediatric orthopaedic conditions such as musculoskeletal trauma, hip dysplasia, and clubfoot. He has a particular interest in treatment of children with lower limb differences who have undergone limb ablation surgery and/or utilize prosthetic devices.



Emily Gale, PhD, LP, ABPP

Emily Gale, Ph.D., LP, ABPP is a pediatric psychology and the psychology department training director at Scottish Rite for Children in Frisco, TX. She is board certified in Clinical Child and Adolescent Psychology. Her role at SRC is largely clinical with a focus on pain management, surgical preparation, and consultation/liaison. Dr. Gale earned her Ph.D. from the University of Nebraska-Lincoln in 2012 and was ABPP certified in Clinical Child and Adolescent Psychology in 2017.



Gabrielle Nguyen, MD

I believe in a multi-disciplinary, collaborative approach to patients and value input from all members of the treatment team, especially the patient and family. It is my aim to help patients and families achieve their maximum functional potential and obtain their personal goals.



Hannah Hodge Neidig, CPO, MPO

Hannah Hodge Neidig is a Certified Prosthetist Orthotist. She obtained an undergraduate degree in Applied Health Science from Wheaton College and a graduate degree from Northwestern University in Prosthetics and Orthotics. Hannah did her prosthetics residency in Oklahoma and her orthotics residency at Shirley Ryan Ability Lab.

After starting as an Orthotic Resident in 2021, Hannah stayed on at Shirley Ryan as a full time Orthotist. Her interests include gait analysis and pediatric orthoses for neuromuscular diagnoses including cerebral palsy.

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Speaker Information



Heather Daley, MScESS, CP©

Heather Daley is the Prosthetist at the Atlantic Clinic for Upper Limb Prosthetics. She has been a certified prosthetist for over 10 years with special interests in research and upper limb prostheses. The clinic is part of the Institute of Biomedical Engineering at the University of New Brunswick which is known for its long history in myoelectric control research and hosting the triennial Myoelectric Control Symposium.



Helenlyn Popescu, MPO, CPO

Helenlyn Popescu is a CPO at Shirley Ryan AbilityLab in Chicago, IL. She is the recipient of the 2022 ACPOC New Investigator Award for her project on transition experiences of young adults with complex healthcare needs. She received a bachelors of science in Bioengineering from Walla Walla University, and completed her masters in prosthetics and orthotics from University of Washington.



Jessica Siegler, MSOP, CO

Jessica received her bachelor's degree in Kinesiology from Michigan State University in 2018 followed by her Master's in Orthotics and Prosthetics from Eastern Michigan University in 2020. Her Orthotics residency was completed at Ann and Robert H. Lurie Children's Hospital of Chicago from 2020-2021 after which she earned her certification in Orthotics. She is currently in her prosthetics residency at Shirley Ryan AbilityLab in Chicago and will be continuing on as a clinician at Shirley Ryan AbilityLab after completion of her residency this summer.



Jill Gettings, MD

Jill is a Physical Medicine & Rehabilitation physician and Medical Director for Adult Services at Gillette Specialty Healthcare. She has worked with adults who have child-onset neurologic conditions in various capacities since 1993 and chose a career in PMR specifically to provide care for that population. She completed her PMR residency program and was a Clinical Instructor in the Ortho-Rehab program at University of Wisconsin-Madison before joining Gillette in 2005. She is a member of AACPDM and AAPMR.

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Jillian Okimoto, CPO

Jillian Okimoto is an ABC-certified prosthetist/orthotist for Hanger Clinic in Phoenix, Arizona. She graduated from California State University Dominguez Hills with a bachelors degree in Health Science/Prosthetics in 2009 and from the Newington Certificate program with a certificate in orthotics in 2012.

As a clinician with more than 12 years of experience in the field, Jillian specializes in lower extremity prosthetics including pediatric prosthetics, microprocessor feet, microprocessor knees, and elevated vacuum, postoperative, and sport-specific/running prosthetics.

Jillian is passionate about custom-fitting devices that help her pediatric patients reach their goals, from playing sports to keeping up with their friends. She is also committed to educating their parents about the complexities of prosthetic devices, and what to expect as their child adapts to them. Jillian loves the unexpected turns pediatric appointments often take, and uses play to assess their movements and come up with creative solutions for each child.

Jillian loves that she gets to work with her patients and their families for many years, helping them reach their functional goals, and sometimes even pushing them to expand their goals further than they thought were possible. She joins them in celebrating milestones and accomplishments during their care journey.

Outside of work, Jillian enjoys camping with her family, riding motorcycles, and photography. She also volunteers with Camp No Limits.



James H. Wynne, CPO, FAAOP

Jim is Vice President - Director of Education/Resident Director for Boston Orthotics and Prosthetics. He has been a certified orthotist/prosthetist since 1991 and has specialized in pediatric orthotic/prosthetics, since 1993 primarily at Boston O&P's Boston Children's Hospital clinic. He lectures both nationally and internationally on the non-operative management of scoliosis and has authored several peer review articles and book chapters on scoliosis.

He is a past president of the American Board for Certification in Orthotics, Prosthetics and Pedorthics and is the current President of the International Society on Scoliosis Orthopedic and Rehabilitation Treatment (SOSORT). Jim enjoys spending time with his family skiing and at the beach.



Jonathon Schofield, PhD

Dr. Schofield works to improve user acceptance and promote the seamless integration of humans and assistive medical devices, leveraging techniques in nerve-machine interfaces, bio-robotic control and feedback, and cognitive-perceptual neurosciences. The Schofield lab performs interdisciplinary research at the interface of mechanical and electrical engineering, neurosciences and rehabilitation medicine to address unmet clinical needs and understand how humans engage with intelligent technologies. Dr. Schofield is an Assistant Professor at UC Davis and Scientific Staff at Shriners Children's Hospital, Northern California. He completed his post-doctoral training at Cleveland Clinic, and his PhD. in Biomedical/Mechanical Engineering at the University of Alberta, Canada.



Jorge Fabregas, MD

After completing his fellowship at Children's Hospital of Philadelphia, Jorge Fabregas, MD, came to Atlanta to focus on pediatric orthopedic surgery. Dr. Fabregas is Residency Director at Children's Healthcare of Atlanta. He is a past president of the Association of Children's Prosthetics and Orthotics Clinics, and serves as a Board Member of the Georgia Pediatric Neuromuscular Care Committee. He is also co-director of the Limb Difference Program at CHOA

Dr. Fabregas' ongoing research focuses on pathologic fractures following osteomyelitis and optimizing the function of physician extenders in the office setting. His professional interests include spinal deformity, tumors, trauma, limb deficiency and cerebral palsy. He is a native Spanish speaker and returns to his homeland of Puerto Rico twice a year to provide care to underprivileged children.

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Jorge Zuniga, PhD

Dr. Jorge M. Zuniga received Master of Science degree from the University of Nebraska at Omaha and Ph.D. from the University of Nebraska-Lincoln. Currently, Dr. Zuniga is a faculty at the Department of biomechanics at the University of Nebraska at Omaha (UNO). He is the co-director of the Biomechanical Rehabilitation and Manufacturing Initiative (BRMI) at UNO. Dr. Zuniga main research interests include examining the neural mechanism of motor learning to understand how humans adapt to the absence of a limb and the use of a prosthesis. Dr. Zuniga has been awarded several grants from NASA, The National Institute of Health (NIH), and several industry grants. Dr. Zuniga has authored and co-authored over 100 manuscripts published in peer-reviewed scientific journals. In 2018, Dr. Zuniga was recognized by the U.S. Department of State for his scientific contributions.



Justina S Appel, PhD, CO, BOCP, LPO, FAAOP

Dr. Appel has been involved in the O&P industry since 1986, she is currently the director of education and clinical support for Allard USA. She has served as Director of Orthotics and Prosthetics for Shriners Hospitals for Children in Shreveport Louisiana and has specialized in pediatrics for over 20 years. Dr. Appel is the current President and Education Program Coordinator for Louisiana Association of Orthotics and Prosthetics. She has conducted O&P seminars, lectures, and workshops throughout the country for various programs, and has also authored or co-authored several research and journal articles. Justi is a certified autism specialist and has been dedicated to the care for children and adults that are present on the autism spectrum for 30 years. She has worked with this population in professional, personal and community settings. Dr. Appel would like to share her knowledge with others for the improvement of patient outcomes and to help families with their loved ones that have special needs.



Kelly Jeans, MS

Kelly Jeans earned her Bachelor of Science degree from the University of Southern California in Exercise Science and her Masters of Science degree from California State University, Long Beach. After finishing her Master's Thesis, A Kinematic Analysis of Deep Water Running in Arthritic Individuals, she joined Scottish Rite for Children in 2001, to continue her passion for research. Over the last 20+ years, she has collaborated with researchers interdepartmentally, including orthopedics, orthotics and prosthetics, therapy services and with outside organizations. Her career has focused on the study of movement patterns and cardiovascular fitness in clinical populations including clubfoot, lower extremity amputation, cerebral palsy, adolescent idiopathic scoliosis and early onset scoliosis. She is currently the Division Director of the Movement Science Lab in Dallas. She is a member of the Gait and Clinical Movement Analysis Society and the Association of Children's Prosthetic-Orthotic Clinics, where she serves on the board of directors.



Kevin Koenig, Jr., MPO, CO

Kevin Koenig is an ABC certified prosthetist-orthotist at Gillette Children's Specialty Healthcare in St. Paul, Minnesota where he completed both his orthotic and prosthetic residencies. He earned his Bachelor of Science degree in Psychobiology from UCLA and completed his Masters of Prosthetics and Orthotics at the University of Washington.

He enjoys working with patients of all age groups, but he especially enjoys the highlights and challenges of working with pediatric patients. He is a strong proponent of interdisciplinary care of patients as he has seen the positive outcomes that come from this holistic care. He has a specific interest in helping give back to the profession of O&P to help improve patient outcomes.

Outside of work, Kevin is a passionate fan of the San Francisco 49ers and his alma mater, UCLA.

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Lisa Artero, MSc (OT), OT Reg (Ont)

Lisa Artero is a registered Occupational Therapist in Ontario, Canada. She is the occupational therapist for the Prosthetics Program at Holland Bloorview Kids Rehabilitation Hospital where she works with a multidisciplinary team to provide prosthetic rehabilitation. Lisa has 17 years of experience in the prosthetics field at Holland Bloorview. She also has years of experience in Access Technologies and the Communication, Learning and Behaviour Service at Holland Bloorview. Lisa is involved in annual clinical teaching affiliated with the University of Toronto Occupational Therapy students and George Brown College prosthetic students. Lisa is involved in research, presentations and publications on upper limb prosthetic rehabilitation.



Maria Falcon Obregon, BA, RECE, MScOT, OT Reg. (Ont.)

Maria Falcon Obregon is an occupational therapist who recently completed her studies at the University of Toronto. Her interest in occupational therapy stemmed from her background in early childhood education, and has now developed into a passion for providing high-quality rehab care to families. She was initially introduced to Prosthetics care at Holland Bloorview Kids Rehabilitation Hospital as part of her graduate research project. Since then, she has embraced her role in the PUF1-2 research project as she continues to expand her clinical research skills while balancing her work in inpatient stroke rehab. Maria is excited to begin her career with such a supportive team, and is looking forward to making future contributions to the prosthetics care community.



Marina Ma, MD

Dr. Ma completed her Physical Medicine and Rehabilitation residency at Medstar National Rehabilitation Hospital, Pediatric Rehabilitation Medicine fellowship at Cincinnati Children's Hospital Medical Center, and Hospice and Palliative Medicine fellowship at Texas Children's Hospital/Baylor College of Medicine. She is boarded in the above fields and Brain Injury Medicine. She is committed to providing her patients with high quality and evidence-based care that is also compassionate and patient and family-centered. Her clinical interests are Disorder of Consciousness, Neuro-oncology, and Narrative Medicine.

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Speaker Information



Mark Geil, PhD

After earning a doctorate in biomedical engineering, Kennesaw State University professor Mark Geil sought a career where he could help people and provide leadership within his field.

He found that opportunity in prosthetics and academia – the right combination of research in a critical field and the opportunity to lead.

“I had offers to do research and development in prosthetics, and I was drawn to academia because of the opportunity to still do research and development, but also be involved in the lives of students,” said Geil, who was appointed to the newly created position of associate dean for research and operations in the Wellstar College of Health and Human Services. “Mentorship is so important to me, to invest in the people who will carry the torch in the future.” Geil’s research focuses on prostheses and gait analysis for children experiencing limb loss, with publications and innovations across a wide range of disciplines. Wellstar College Dean Monica Swahn said Geil’s interdisciplinary ethos made him the right person for the position.

“Mark brings extensive insight and experience as a highly accomplished and collaborative researcher, which is very important and needed as we grow the research portfolio in the College as part of our R2 roadmap,” Swahn said. “He has developed extensive and unique expertise in a very important topic – prosthetics for children. He has focused specifically on children’s gait analysis contributing to important changes in treatment options for young children.”

The promotion marks the latest step for Geil since his arrival in 2018 after more than two decades between Georgia Tech and Georgia State University. Since his first day, he served as chair of the Department of Exercise Science and Sport Management. In 2021, the Master of Science in Prosthetics and Orthotics program, which he founded at Georgia Tech, moved to a brand-new space at Chastain Pointe.



Marlie Clark, BSc, MscOT

Marlie Clark is a student occupational therapist studying at the University of Toronto in the Master’s of Occupational Therapy program. She has had a long-standing passion and interest in human anatomy, prosthetics and orthotics. As part of her graduate research project, she was introduced to prosthetic-based care at Holland Bloorview Kids Rehabilitation Hospital examining the PUF1-2. She has embraced her role on the PUF1-2 team which has continued to foster the development of her clinical research skills. Marlie is very excited to be joining the prosthetics community and is looking forward to making future contributions towards the provision of client-centred care in clinical practice.



Mary Ellen Brown, MS, OTR/L

Mary Ellen Brown has been a pediatric Occupational Therapist at Shriners for nearly 30 years, gaining expertise in prosthetic training, pediatric hand therapy, as well as treating children with neuromuscular and orthopedic conditions. She has been an adjunct professor as well as provided multiple lectures for local colleges and universities, She has also participated in several medical hand surgery/hand therapy trips to Nicaragua through Healthcare Volunteers Overseas (HVO). Prior to OT, she was Child Life Specialist which provided the psychosocial and developmental basis for her OT career.



Maureen Hoff, Clubfoot Parent Advocate

Maureen Hoff is the mother of three girls, the youngest of whom was born with bilateral clubfoot in 2018. Throughout her daughter’s clubfoot treatment, Maureen quickly realized that parents are thrust into a caregiver role and worked to develop resources to support parents. She is the author of *Clubfoot Chronicles: Tips for Helping your Clubfoot Cutie During Treatment* and the creator and host of *A Clubfoot Mom* podcast.

Maureen works as a Parent Educator with MD Orthopaedics, creating educational programs focused on the parent perspective of clubfoot treatment. It is her goal to help clubfoot parents feel supported and to help the medical teams gain understanding of the daily challenges parents encounter at home.

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Speaker Information



Michelle Hall, MS, CPO, FAAOP(D)

Michelle is an ABC certified prosthetist-orthotist and a Fellow with Distinction of the American Academy of Orthotists and Prosthetists (Academy). She completed bachelor's and master's degrees in biomedical engineering at the University of Iowa and the University of Minnesota, respectively. She has post-baccalaureate certificates in each orthotics and prosthetics from Northwestern University. Michelle has practiced at Gillette Children's Specialty Healthcare for the past fifteen years and currently serves as their Prosthetics Team Lead and O&P Residency Director. She is a three-time Thranhardt Lecture Series winner, recipient of the University of Iowa's College of Engineering Dean's Award for Early Career Achievement, and the Academy's Clinical Commitment Award. She has volunteered and lectured extensively, most notably she is a past-president of the Academy. She currently serves as the chair for the Academy's State-of-the-Science Program Committee that is working on Clinical Practice Guidelines, amongst other research translation deliverables.



Phoebe Scott-Wyard, DO

Dr. Phoebe Scott-Wyard is a pediatric rehabilitation medicine physician at Rady Children's Hospital-San Diego and an associate professor at UC San Diego School of Medicine. She is double board-certified in pediatrics and physical medicine & rehabilitation.

Originally from Maine, Dr. Scott-Wyard completed her undergraduate degree in behavioral biology at Johns Hopkins University before attending medical school at Western University of Health Sciences. She completed a combined residency in pediatrics and physical medicine & rehabilitation at Cincinnati Children's Hospital Medical Center and University of Cincinnati. She served two years as a Peace Corps volunteer in Ecuador and is fluent in Spanish.

Dr. Scott-Wyard is especially interested in treating children with limb differences. Before coming to Rady Children's, she served as the medical director of the Child Amputee Prosthetics Project clinic at Shriners Hospital in Los Angeles for six years. She is also the vice-president of the Association of Children's Prosthetic and Orthotic Clinics. She has served as a volunteer for Camp No Limits, Challenged Athlete's Foundation, and Angel City Games.



Rebecca Siegel, MD

Rebecca Siegel, MD was born in Cleveland OH. She completed her undergraduate degree in Biology at Goucher College, Baltimore MD, medical school at The Ohio State University, Columbus OH, and Physical Medicine and Rehabilitation residency at Thomas Jefferson University in Philadelphia PA. She completed a fellowship in Pediatric Rehabilitation Medicine at Spaulding Rehabilitation Hospital, where she is now an Instructor. She is board certified in Physical Medicine and Rehabilitation, Pediatrics Rehabilitation Medicine and Brain Injury Medicine. She currently works at Boston Children's Hospital/Spaulding Rehabilitation Hospital taking care of children with disabilities. She cares for children and adolescents in the acute, subacute and chronic phase following traumatic injury, patients with limb differences/amputations, traumatic and acquired brain injury, cerebral palsy, neuromuscular conditions, and spina bifida/spina cord dysfunction.



Rebecca Spragg, MSPO, CPO

Rebecca is an ABC-certified prosthetist orthotist focusing on pediatric care. In addition to her clinical work, she is a faculty member in the Eastern Michigan University Orthotics and Prosthetics program where she also serves as the Program Director. Her research interests include pediatric orthotics as well as workplace health and safety. Becca is a member of the American Academy of Orthotists Prosthetists and is currently serving on the Association of Children's Prosthetic-Orthotic Clinics Board of Directors.

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Speaker Information



Robert Lipschutz, CPO

Robert is an assistant professor in physical medicine and rehabilitation at Northwestern University's Feinberg School of Medicine. He has been an instructor of Prosthetics and Orthotics since 1993, beginning at the Newington Certificate Program in Orthotics and Prosthetics and currently at the Northwestern University Prosthetics-Orthotics Center. For several years, Robert was involved in research in the Center for Bionic Medicine and had returned to clinical practice in 2013.

Robert is highly involved in the Association of Children's Prosthetics-Orthotics Clinics (ACPOC). He had been the Program Chair of the Annual Meetings for several years, Vice President and President of the association, and remains on the Board of Directors of ACPOC.



Sean Zeller, CPO, MSPO, MBA

Sean began his Prosthetics and Orthotics career as a technician for the National Orthotics and Prosthetics Company in Boston, MA and returned to complete his residencies following his prosthetics and Orthotics training at Georgia Institute of Technology. Sean was the Chief of Prosthetics and Orthotics at the University of Rochester Medical Center where he also obtained his MBA. He is currently the Director of Prosthetics and Orthotics at the University of North Carolina.

Sean's practice has largely focused on scoliosis, limb difference and other pediatric conditions.



Stephanie Miller, DO

As a dually-trained rehabilitation medicine physician and pediatrician, my goal is to partner with my patients and their families to work towards achieving the best outcomes possible while working with a multidisciplinary team to assure all their needs are met. Every child has their own unique trajectory and background, and I strive to help them find the tools and skills they need to succeed.



Vivian Yip OTD, MA, OTR/L

Vivian Yip OTD, MA, OTR/L has worked with children with limb differences since 2006. She worked as an occupational therapist with a comprehensive clinical team to provide care to children with limb differences at the former Child Amputee Prosthetics Project at Shriners Hospitals for Children- Los Angeles. She is also an OT at UCLA- Orthopaedic Hospital. Vivian has presented various topics pertaining to pediatric limb difference and prosthetics for the Association of Children's Prosthetic and Orthotic Clinics (ACPOC), Myoelectric Control Symposium (MEC), Skills for Life (SFL), American Occupational Therapy Association(AOTA), Occupational Therapy Association of California(OTAC). She is a clinical instructor and invited guest lecturer for various MOT programs in Southern California. She is currently on the Board of Directors for ACPOC. Completion of her doctorate included qualitative research of individuals with congenital limb loss and their relationship with their prosthesis. She has various publications including co-authored chapters in the Atlas of Amputation and Limb Deficiencies. She has regularly volunteered with Camp No Limits (for children with limb loss) and is on their IDEA committee.

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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 29; 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!

Amputee Coalition – Table 37; 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

Boston Orthotics & Prosthetics – Table 13; www.bostonoandp.com

Boston Orthotics & Prosthetics is a leader in pediatric orthotics and the world's most trusted provider of non-surgical scoliosis treatment options. For more than half a century, Boston Orthotics & Prosthetics has been dedicated to advancing the specialized orthotics and prosthetics profession with educational support, training, and cutting-edge technology and treatment techniques for the management of scoliosis, plagiocephaly, and various neuromuscular disorders.

Bulldog Tools, Inc. – Tables 18; 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 4; 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.

Fillauer Companies, Inc. – Table 16; 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.

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Gillette Children's – Table 39; www.gillettechildrens.org

Our Vision: A world in which every child is able to create their own story.

Our Mission: In collaboration with patients, families and partners, we redefine what is possible for children with brain, bone and movement conditions through clinical leadership, research and global advocacy.

Invent Medical USA, LLC – Table 3; 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.

LaunchPad O&P– Table 1+2; 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.

Additional products include Boosters, the first heel lifts specifically designed for AFOs. Time is money for an orthotist and having a “peel and stack” solution for adjusting the shank to vertical angle just makes sense. Rotators are de-rotation straps designed to help correct internal or external foot rotations that impair gait. While this is not a novel product, LaunchPad's focus on functionality and comfort has led to the creation of a product that not only performs well, it is easy to fit and comfortable to wear.

MD Orthopaedics – Table 14+15; mdorthopaedics.easystore.com/easyorder/index

MD Orthopaedics, Inc, the global leader in Ponseti Method clubfoot orthoses, has been acquired by OrthoPediatrics Corp, an Indiana-based public company (NASDAQ: KIDS) founded to serve the unmet needs of children with orthopedic conditions.

MD Orthopaedics currently sells their Mitchell Ponseti® and Ponseti® brand products in over 120 countries and has changed the lives of over 300K children to date. This acquisition will expand the suite of orthopedic products available to our customers and will introduce MD Orthopaedics products to an even wider audience of orthopedic surgeons, orthotists, and physical therapists around the globe.

Open Bionics – Table 36; openbionics.com

The Hero Arm™ is an advanced, lightweight, 3D printed bionic arm, with multi-grip functionality and empowering aesthetics. Engineered and manufactured in the UK, it is now available in over 800 locations in the USA, UK, Europe, Australia and New Zealand for people with a below-elbow limb difference. Suitable for adults and children as young as 8.

Orthomerica Products, Inc. – Table 9; www.orthomerica.com

Orthomerica is a worldwide leader in the design, development, and fabrication of custom-built orthotic and prosthetic solutions.

Össur Americas – Table 10; www.ossur.com/en-us

At Össur Americas, we pride ourselves on continuously pushing the boundaries to create some of the most effective, non-invasive mobility solutions on the market today. True advocates of “Life Without Limitations”, our focus is on Prosthetic, Osteoarthritis and Injury Solutions.

For many years Össur Americas has served an extensive range of medical professionals, and worked closely with leading research and educational bodies in our field. We maintain a powerful service ethic, listening and responding to the diverse needs of our customers across the continent.

Ottobock – Table 6; 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.

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Penta Medical Recycling – Table 31; pentaprosthetics.org

Penta Medical Recycling was founded by university students in 2016 to bring affordable prosthetic care to low-and middle-income countries while repurposing what would otherwise be considered medical waste in the United States.

This idea came out of the realization that 85-95% of the world's 100 million amputees lack access to proper prosthetic care and equipment while hundreds of thousands of functional but slightly outdated prostheses are being replaced and discarded in the United States every year.

At Penta, we found that we could resolve these two problems simultaneously by collecting and repurposing used prosthetic and orthotic equipment in the United States. In doing so, we would be able to clear the clutter out of private homes, relieve clinics of the responsibility of collecting unusable devices, and also bring the ability to walk, work, and thrive back to amputees all over the world.

Point Designs LLC – Table 17 www.pointdesignsllc.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.

Pro-Tech Orthopedics – Table 32 www.protech-intl.com

Pro-Tech is a custom orthotics manufacturing facility that has been in business since 2003 and aims at being the provider of the best quality custom orthoses for idiopathic scoliosis, neuromuscular scoliosis, and other pediatric and adult orthoses.

Other spinal orthoses we specialize in include trauma, post, and pre-op braces. In the lower limb area we provide custom orthoses with everything from KAFO, KO, AFO, CROW, to name a few.

We are proud to announce Sensory Dynamic Orthosis (SDO)... (SDO) is a made to measure product, designed and produced to the finest detail to provide dynamic compression to increase sensory and proprioceptive feedback and provide musculo-skeletal support. Please visit the Product page for more details.

Royal Knit – Table 33 www.royalknit.com

Royal Knit has been manufacturing prosthetic and orthotic soft goods since 2006. It is a family-owned business.

Shriners Children's Twin Cities – Table 40 www.shrinerschildrens.org/en/locations/twin-cities

At Shriners Children's, we strive to help each patient achieve the best possible outcome. Our commitment to research helps us find new and improved treatments and contribute to the world's medical knowledge. We continue to pursue seminal, cutting-edge discoveries that will help our patients live full and rewarding lives.

Spinal Technology, Inc. – Table 19; 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.

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SPIO – Table 5; 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 34; 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 11+12; 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.

Tillges Technologies – Tables 7+8; www.teamtillges.com/technologies/

The same technology we trust for our patients, you can trust with yours. Our expert technicians work with certified practitioners utilizing innovative manufacturing technologies to fabricate your custom order. Our technicians and practitioners collaborate to make sure that the right technology is used for the right fit, every time. Tillges Technologies' orthotic and prosthetic devices are fit and proven on our own patients before we ever start building them for yours.

Tru-Mold Shoes – Tables 30; trumold.com

Since 1955, we have been dedicated to designing high quality custom orthopedic shoes. Our state-of-the-art facility located in Buffalo, New York features CAD/CAM technology, the finest shoemaking equipment, highly skilled technicians, and talented craftsmen from around the world. At Tru-Mold Shoes, we carefully craft our shoes to serve the unique needs of our customers. We work with foot-care specialists to maximize health benefits. Without sacrificing style for comfort, all of our products are made out of premium materials. We also provide complete repair and refurbishing services of custom-molded shoes made at our factory. With years of professional experience and expertise, we guarantee the proper fit, quality and craftsmanship of all our shoes for many years of comfort and enjoyment.



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Save the Date!

ACPOC 2024 ANNUAL MEETING

April 24–27 | Denver, CO | Grand Hyatt Denver



Featuring 2024 Hector W. Kay Memorial Lecturer Vincent Mosca, MD

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.

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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.

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.

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History of ACPOC

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.

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.



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Future Meetings

April 24-27, 2024 Grand Hyatt, Denver, CO

Previous Meetings

Committee on Prosthetic Research & Development

1972 — Springfield, Massachusetts Shriners Hospital & Newington Children's Hospital
1973 — Atlanta, Georgia Egleston Children's Hospital - Emory University
1974 — Montreal, QB, Canada Rehabilitation Institute of Montreal
1975 — Seattle, Washington Children's Orthopaedic Hospital
1976 — Bal Harbour, Florida University of Miami, Variety Children's Hospital & West Palm Beach Juvenile Amputee Clinic
1978 — Grand Rapids, Michigan Area Child Amputee Center

ACPOC

1979 — Memphis, Tennessee Baptist Memorial Hospital & University of Tennessee
1980 — West Orange, New Jersey Kessler Institute for Rehabilitation
1981 — Los Angeles, California Child Amputee Prosthetics Project - UCLA
1982 — Toronto, Ontario, Canada Ontario Crippled Children's Center
1983 — Salt Lake City, Utah Shriners Hospital for Children - Intermountain
1984 — Baltimore, Maryland The James Lawrence Kernan Hospital, Inc.
1985 — New Orleans, Louisiana Tulane University School of Medicine
1986 — Milwaukee, Wisconsin Milwaukee County Medical Complex
1987 — Vancouver, BC, Canada British Columbia Children's Hospital
1988 — Springfield, Massachusetts Shriners Hospital & Newington Children's Hospital
1989 — Chicago, Illinois Shriners Hospital & Northwestern University
1990 — Valhalla, New York Blythedale Children's Hospital
1991 — Portland, Oregon Shriners Hospital for Children
1992 — St. Louis, Missouri Shriners Hospital for Children
1993 — St. Pete Beach, Florida Shriners Hospital for Children - Tampa
1994 — Bloomington, Minnesota Shriners Hospital for Children - Twin Cities
1995 — Vancouver, BC, Canada British Columbia Children's Hospital
1996 — Atlanta, Georgia Scottish Rite Children's Medical Center
1997 — Dallas, Texas Texas Scottish Rite Hospital
1998 — Grand Rapids, Michigan Area Child Amputee Center
1999 — St. Pete Beach, Florida Shriners Hospital for Children - Tampa
2000 — Banff, AB, Canada Alberta Children's Hospital, Calgary
2001 — Houston, Texas Shriners Hospital for Children
2002 — Toronto, ON, Canada Bloorview MacMillan Centre
2003 — St. Pete Beach, Florida Shriners Hospital for Children - Tampa
2004 — Banff, AB, Canada Alberta Children's Hospital, Calgary
2005 — Orlando, Florida with AAOP and Shriners Hospital for Children - Tampa
2006 — Sacramento, California Shriners Hospital for Children, Northern California

ACPOC 2023 Annual Meeting

May 17–20th | Minneapolis, MN

Previous Meetings

2007 — Atlanta, Georgia	Children’s Healthcare of Atlanta
2008 — Montreal, QC, Canada	Centre de Readaptation Marie Enfant Hospital
2009 — Tempe, Arizona	Orthotic Specialists & Artificial Limb Specialists
2010 — Clearwater Beach, Florida	Shriners Hospital for Children – Tampa
2011 — Park City, Utah.....	Shriners Hospital for Children - Salt Lake City
2012 — Banff, AB, Canada	Alberta Children’s Hospital, Calgary
2013 — Buckhead, Atlanta, Georgia.....	Children’s Healthcare of Atlanta
2014 — Anaheim, California.....	Shriners Hospital for Children – Los Angeles
2015 — Clearwater Beach, Florida.....	Shriners Hospital for Children – Tampa
2016 — Broomfield, Colorado	
2017 — Houston, Texas	
2018 — Grand Rapids, Michigan	
2019 — Clearwater Beach, Florida	
2020 — Virtual Meeting	
2021 — Virtual Meeting	
2022 — Clearwater Beach, Florida	
2023 — Minneapolis, MN	

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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