

2026 AACPDM PRELIMINARY PROGRAM



PHILADELPHIA

SEPTEMBER 27-30, 2026

Rooted in Brotherly Love & Lifelong Community

ANNUAL MEETING



American Academy
for Cerebral Palsy and
Developmental Medicine

Table of Contents

2025-2026 AACPDM Board of Directors. 1

General Information 2

Meeting Information 3

Philadelphia Marriott Downtown
Floor Plans 6

AACPDM Member Benefits. 8

Committees and Councils. 9

2026 Scientific Program Overview. 10

Meeting at a Glance 11

Program and Events 13

 Sunday, September 27, 2026. 13

 Monday, September 28, 2026 18

 Tuesday, September 29, 2026 39

 Wednesday, September 30, 2026. 52

Posters 64

 Clinical Observation or
 Single Case Study Posters. 64

 Demonstration Posters 67

 Scientific Posters 71

Disclosure Index. 85

Presentation Author Index. 93

Poster Author Index 99

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Maureen Sullivan, MSW, MBA

Office Staff

Lindsay Just, MBA – Executive Director
Stephanie Vahsholtz – Senior Meetings
Manager
Mckenzie Behrens – Meetings Manager
Whitney Bartholomew– Communications
Manager
Kaleb Hargous – Membership & Administrative
Manager

Future Annual Meetings

81st Annual Meeting

September 22-25, 2027
Sheraton Denver Downtown
Denver, Colorado

82nd Annual Meeting

September 24-27, 2028
JW Marriott Indianapolis
Indianapolis, Indiana

2025–2026 AACPDM Board of Directors

Theresa Sukal-Moulton, PT, DPT, PhD – President
Kristie Bjornson, PT, MS, PhD– First Vice President
Joline Brandenburg, MD – Second Vice President
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Gavin Colquitt, EdD – Director

General Information

Purpose

The educational program of the American Academy for Cerebral Palsy and Developmental Medicine (AACPDMD) is designed to provide targeted opportunities for dissemination of information in the basic sciences, prevention, diagnosis, treatment, and technical advances as applied to persons with childhood-onset disabilities. The program provides a forum for discussion of scientific developments and clinical advances in the care of people with these conditions. By presenting forums which foster interdisciplinary communication and interchange among all allied health care professionals concerned with individuals with cerebral palsy and neurodevelopmental disorders, this program's purpose is to ensure that the qualified personnel have the skills and knowledge derived from practices that have been determined through research and experience to be successful in serving children with disabilities. The purpose is also to encourage teambuilding within organizations and institutions, encourage multicenter studies, develop information for parents, and find a consensus on the optimal care of various conditions.

Objectives

To disseminate information on new developments in applied and translational sciences, prevention, diagnosis, treatment, and technology for individuals with cerebral palsy and other childhood onset disabilities. Specifically:

- Participants will increase awareness of new and emerging treatments for individuals with cerebral palsy and other developmental disabilities.
- Participants will be able to identify new modalities for the diagnosis of cerebral palsy and developmental disabilities.

- Participants will increase interprofessional collaboration to help coordinate and improve services across the continuum of care for individuals with cerebral palsy and developmental disabilities across the lifespan.

Target Audience

All health care professionals, clinicians, researchers and health administrators who are concerned with the care of patients with cerebral palsy and other childhood-onset disabilities, including: developmental and other pediatricians, neurologists, physiatrists, orthopedic and neuro-surgeons, physical and occupational therapists, speech and language pathologists, orthotists, dieticians, rehabilitation engineers, kinesiologists, nurses, psychologists, special education teachers and educators. Note: All levels of skill will be addressed.

AACPDMD Vision

To advance the health and well-being of all individuals with cerebral palsy and other childhood-onset disabilities.

AACPDMD Mission

Empowering and supporting a collaborative multidisciplinary community that

- provides accessible and robust scientific education for health professionals and researchers
- fosters innovative research as well as its dissemination and implementation
- advocates for equitable access to evidence based and patient centered care

Meeting Information

Registration

Annual Meeting registration will be open online through September 26, 2026.

E-Poster

An E-Poster is an electronic version of the traditional paper poster in PowerPoint format, and is displayed in the Annual Meeting mobile app. In addition to traditional paper posters on bulletin boards, Scientific, Demonstration and Clinical Observation/Single Case Study Poster Presenters were also required to submit their poster as an E-Poster.

No Smoking

Smoking is prohibited at all Annual Meeting sessions and events.

Attire

Attire for the educational sessions of the meeting is business casual. Please bring a jacket or sweater, as room temperatures may vary.

Camera/Recording Policy

It is the policy of AACPDPM that no cameras are permitted in the meeting sessions, exhibit hall, or poster sessions. Please refrain from taking any photos in those locations. Audio or videotaping is strictly prohibited.

FDA Disclaimer

Some medical devices or pharmaceuticals not cleared by the FDA or cleared by the FDA for a specific use only may be used "off-label" (i.e., a use not described on the product's label) if, in the judgment of the treating physician, such use is medically indicated to treat a patient's condition. "Off label" uses of a device or pharmaceutical may be described in AACPDPM educational programs or publications so long as the lack of FDA clearance for such uses is also disclosed. Results from scientific studies known to the author or presenter relating to the described intended use should be discussed, if so doing will not adversely affect the study or violate some other regulatory

requirement. Some drugs or medical devices described or demonstrated in Academy educational materials or programs have not been cleared by the FDA or have been cleared by the FDA for specific use 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 practice.

Americans with Disabilities Act

The AACPDPM wishes to ensure that no individual with a disability is excluded, denied services, or otherwise treated differently than other individuals because of the absence of auxiliary aids and services. If you need any auxiliary aids or services identified in the Americans with Disabilities Act please notify AACPDPM at least 14 working days prior to the program to allow time to acquire the support needed.

Session Evaluations

We need your feedback! As a dedicated learner during the AACPDPM 80th Annual Meeting we truly value your feedback on the individual sessions, general sessions as well as the overall meeting experience. The future leadership of the AACPDPM uses this information to improve on the future educational offerings and to make your experience the most productive and realistic in bringing back practical information to your practice. Please take a moment to provide your feedback on the AACPDPM 80th Annual Meeting in the in the following way:

- Participants will be asked to provide input on the educational program of the AACPDPM 80th Annual Meeting through the online CME /CEU Claim System when claiming credit for participation.

Meeting Information

Insurance/Liabilities and Disclaimer

The AACPDM will not be held responsible for injuries or for loss or damage to property incurred by participants or guests at the Annual Meeting, including those participating in social and fitness events. Participants and guests are encouraged to take out insurance to cover loss incurred in the event of cancellation, medical expenses, or damage to or loss of personal effects when traveling outside of their own country. The AACPDM cannot be held liable for any hindrance or disruption of Annual Meeting proceedings arising from natural, political, social or economic events, or other unforeseen incidents beyond its control. Registration of a participant implies acceptance of this condition. The material presented at this continuing medical education activity is made available for education purposes only. The material is not intended to represent the only, nor necessarily the best, methods or procedures appropriate for the medical situations discussed, but rather is intended to present an approach, view, statement, or opinion of the faculty that may be helpful to others who face similar situations.

Disclosure

The presenting authors on the Free Paper Presentations and Posters are underlined. All corresponding authors were responsible for querying the co-authors regarding the disclosure of their work. The AACPDM does not view the existence of these disclosed interests or commitments as necessarily implying bias or decreasing the value of the author's participation in the course. To follow ACCME guidelines the Academy has identified the options to disclose as follows:

- A. Consultant/Advisory Board
- B. Employment
- C. Other Research Support includes receipt of drugs, supplies, equipment or other in-kind support
- D. Ownership Interest includes stock, stock options, patent or other intellectual property

- E. Research Grant includes principal investigator, collaborator or consultant and pending grants as well as grants already received
- F. Speaker/Honoraria includes speakers bureau, symposia, and expert witness
- G. Other Financial or Material Support
- H. Other Research Support
- I. Royalties
- J. Stock Shareholder (excluding mutual funds)
- K. Stockholder/Ownership Interest (excluding diversified mutual funds)

* One or more of these letters appears by each author's name indicating their disclosure. Please see the Disclosure Index at the back of the program.

Registration Hours

Saturday, September 26th:

4:00 PM - 6:00 PM

Sunday, September 27th:

7:00 AM - 8:00 PM

Monday, September 28th:

7:00 AM - 5:00 PM

Tuesday, September 29th:

7:00 AM - 5:00 PM

Wednesday, September 30th:

7:00 AM - 11:00 AM

*Registration will be located on the 5th floor (Grand Ballroom Foyer).

Speaker Ready Hours

Sunday, September 27th:

9:00 AM - 1:00 PM & 2:00 PM - 6:00 PM

Monday, September 28th:

7:00 AM - 1:00 PM & 2:00 PM - 4:30 PM

Tuesday, September 29th:

7:00 AM - 1:00 PM & 2:00 PM - 4:30 PM

Wednesday, September 30th:

7:00 AM - 12:00 PM

*The Speaker Ready Room is located on the 3rd floor (Conference Suite II).

Online Self-Reporting System Information for CME/CEU/CE Credits

After the AACPDM 80th Annual Meeting, all registrants will receive an instructional email about reporting and printing out their own continuing education certificates. The online self-reporting will be open by no later than October 2026. To verify your correct email address, please visit the registration desk before you leave the meeting. Please note: In self-reporting, if you miss more than 15 minutes of a session/course, it is not considered full attendance, and cannot be claimed.

CERTIFICATE OF ATTENDANCE

All attendees may claim a Certificate of Attendance.

Accreditation Statement



JOINTLY ACCREDITED PROVIDER™
INTERPROFESSIONAL CONTINUING EDUCATION

In support of improving patient care, this activity has been planned and implemented by Amedco LLC and American Academy for Cerebral Palsy and Development Medicine. Amedco LLC 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. Professions in scope for this activity are listed below.

Amedco Joint Accreditation Provider Number: 4008163

PHYSICIANS (ACCME) CREDIT DESIGNATION

This activity is under review

TEXAS PHYSICAL THERAPY

This activity is under review

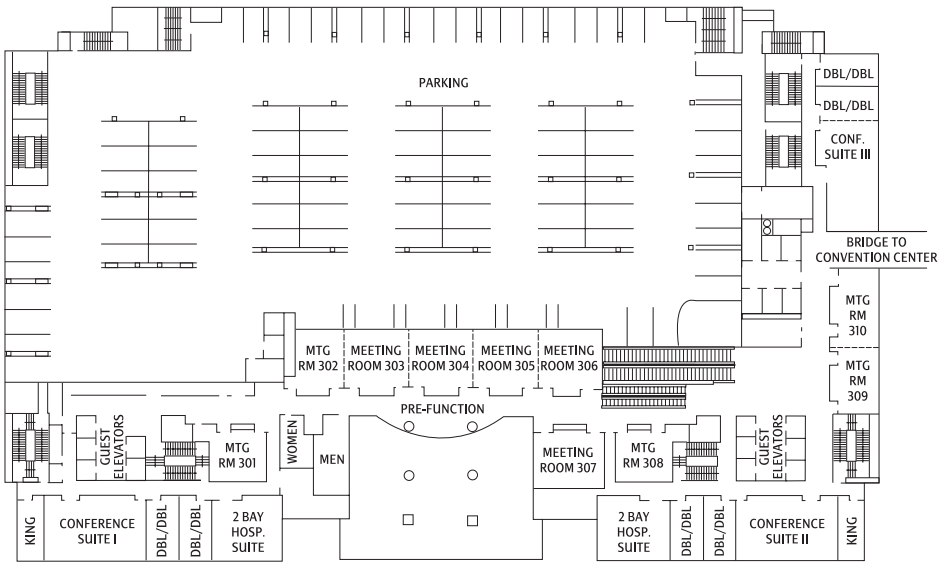
States with reciprocity with Texas Physical Therapy Association: AL, AK, AZ, CT, DE, GA, HI, ID, IN, IA, KS, KY, LA, ME, MA, MI, MN, MO, MS, NE, NH, NC, ND, OR, RI, SC, SD, TN, UT, VT, VA, WA, WI, WY

CALIFORNIA PHYSICAL THERAPY

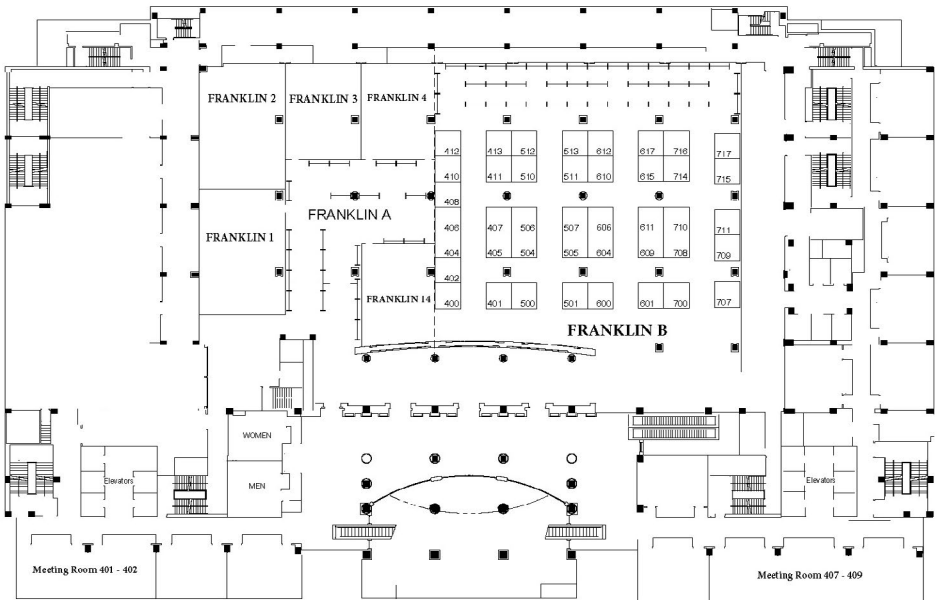
The American Academy for Cerebral Palsy and Developmental Medicine is recognized as an Approval Agency by the Physical Therapy Board of California.

Philadelphia Marriott Downtown Floor Plans

3rd Floor

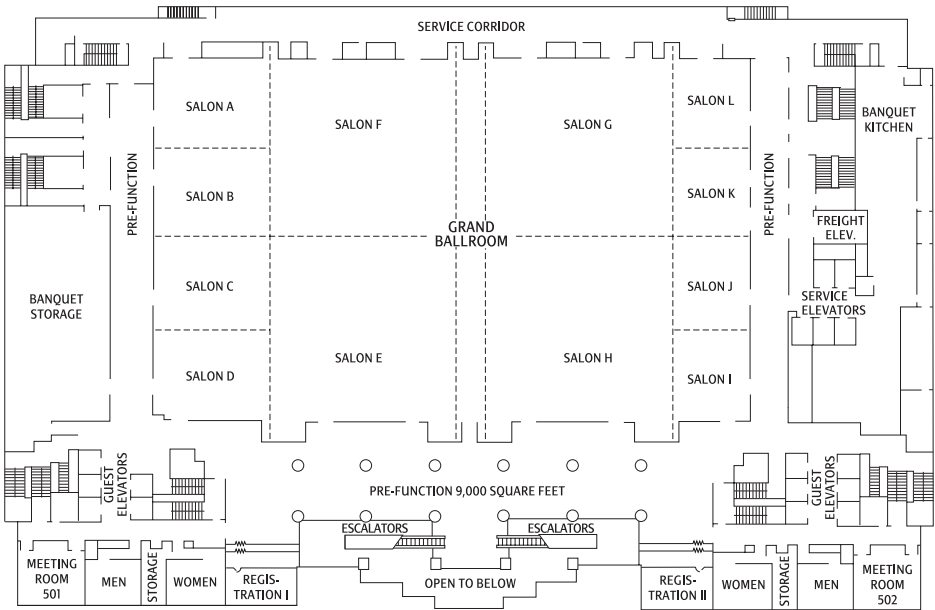


4th Floor



Philadelphia Marriott Downtown Floor Plans

5th Floor





American Academy
for Cerebral Palsy and
Developmental Medicine

AACPDM Member Benefits

How can you benefit from membership in the American Academy for Cerebral Palsy and Developmental Medicine?

Annual Meeting Discounts

An international forum for the dissemination and exchange of new knowledge, ideas and educational information between participants from all disciplines.

Each year, the Academy offers International Scholarships and Student Scholarships to members to assist with the cost of attending the Annual Meeting.

Advisor Support Program

The AACPDM Membership Committee launched an Advisor Support Program to match current AACPDM members with new members to ensure they get the most out of their membership.

eCourse Discounts

The AACPDM Education Committee launched AACPDM eCourses which are online, selfpaced educational opportunities that are available for 3-4 weeks online to earn continuing education credits (CEUs).

Networking Access

Membership in AACPDM facilitates contacts with medical professionals and researchers with similar interests. This diverse group of professionals is bound together by a unified interest in improving the lives of people with cerebral palsy and childhood-onset disabilities.

Exclusive Communications

Developmental Medicine and Child Neurology (DMCN) is the official journal of the AACPDM. This peer reviewed journal is recognized internationally as the leader in the field. Fellow Members receive a FREE electronic subscription.

AACPDM creates a quarterly newsletter and periodic broadcast emails about various events and activities. Members assist in developing informational materials to keep the public informed about advances in treating cerebral palsy and other childhood-onset disabilities.

Research Grant Eligibility

A key part of the AACPDM mission is to foster innovative research as well as its dissemination and implementation. One way the Academy promotes research is through the annual Research Grant Program. One way in which the Academy promotes research is through annual Research Grants. AACPDM is excited to announce the return of the Mentored Research Grant! *Only AACPDM members are eligible to apply

Website Resources

Members can visit the ["Members Only" section](#) of the AACPDM website for a wide variety of information not available to non-members including membership contact information and other educational opportunities.

[Join or Renew Today!](#)

Committees

The heart of the Academy is our committees. Committees offer networking and opportunities to explore areas of deep interest with a wide range of professionals from the membership.

- Adapted Sports and Recreation
- Advocacy
- Awards
- Complex Care
- Education
- International Affairs
- Lifespan Care
- Membership
- Nominating
- Publications
- Research
- Scientific Program

[Learn more about the Committees and join one today!](#)

Councils

The AACPDM offers an opportunity to participate in a Committee or a Council. Councils are similar to Committees, but the terms of service, objectives, and reporting structures can differ based on the unique nature of the Council charge.

- Community Council
- Care Pathways Council

Thank you to our 2026 Committees and Councils

Committee/Council	CHAIR
Adapted Sports & Recreation	Thomas E. Moran, PhD
Advocacy	Heather R. Riordan, MD
Awards	Kristen M. Stearns-Reider, MSPT, PhD
Complex Care	Pamela Almeida, PhD
Education	Vedant A. Kulkarni, MD
International Affairs	Heather Roberts, PhD
Lifespan Care	Antoinette Benton, MD
Membership	Corri L. Stuyvenberg, PT, DPT, PhD
Publications	Unni G. Narayanan, MBBS, MSc, FRCS(C)
Research	Samuel T. Nemanich, PhD, MSCI
Nominating	Unni G. Narayanan, MBBS, MSc, FRCS(C)
Scientific Program	Kristie Bjornson, PT, PhD, MS; Lisa Letzkus, PhD, RN, CPNP-AC and Stephanie DeLuca, PhD
Community Council	Torrey Birch, MD
Care Pathways Council	Jilda Vargus-Adams, MD

THANK YOU!

2026 Scientific Program Overview

This year's program was developed from a submission total of 600 abstracts. All electronically submitted abstracts were independently rated by the multidisciplinary scientific program committee of 40 members. The committee met in March 2026 to review the abstracts and finalize the program (e.g. Scientific poster or free paper presentation, education session, demonstration poster, clinical observation or single case study posters). Scientific posters and free paper presentations were rated (masked to reviewers) on level of evidence, methodological quality, statistical analysis, contribution to the evidence base and interest to the AACPDM audience. Education Sessions and Pre-Conference Sessions were rated (unmasked) on course objectives, content, presenters and level of impact, relevance and importance to conference attendees and the AACPDM membership at large. Demonstration Posters and Clinical Observation or Single Case Study Posters were rated on innovation, potential to impact research and/or clinical practice in childhood-onset disability, freedom from commercial bias and safety. The feedback from the previous year's evaluations are utilized in the process of creating the program with the aim of better meeting the needs of meeting attendees.

The 2026 program includes:

- 11 Pre-Conference Sessions
- 70 Education Sessions
- 160 Scientific Podium Presentations
- 169 Scientific Posters
- 55 Demonstration Posters
- 31 Clinical Observation/Single Case Study Posters

Scientific Review Process

- Blinded abstracts submitted electronically
- Abstracts are scored independently by the program committee with scores submitted electronically and then tallied/averaged
- Highest scored abstracts are selected
- Program Committee meets in March to make final decisions re: scientific program planning and to ensure that the program is balanced in content.

Scholarships

The American Academy for Cerebral Palsy and Developmental Medicine Scholarship Program supports the mission of the AACPDM to improve the health and general status of children and adults with cerebral palsy, developmental disorders and childhood acquired disabilities. The Academy seeks international applicants who are highly motivated, currently in clinical practice, and who are in a position which will enable them to disseminate knowledge acquired at the meeting to others in their home country once they return. Particular emphasis is placed on assisting those from areas with under supported medical systems and limited financial resources. The AACPDM also awards scholarships to selected students each year so that they may attend the Annual Meeting.

Grant Awards


A key part of the AACPDM mission is to foster innovative research as well as its dissemination and implementation. One way the Academy promotes research is through the annual Research Grant Program. AACPDM was excited to accept research grant applications that align with the Academy's mission to support a collaborative multidisciplinary community that provides robust scientific education, fosters innovative research, and advocates for equitable access to evidence-based care.

Meeting at a Glance

Sunday, September 27, 2026	
8:00 AM – 12:00 PM	PC1: Translational Research in Cerebral Palsy: How Emerging Science Will Transform Clinical Care (TICKET)
	PC2: AACPDM Care Pathway Creation and Implementation in the Real World (TICKET)
8:00 AM – 9:45 AM	PC3: Upper Extremity Surgical Care for Patients with CP/Stroke including Hypersensitive Neurectomy
	PC4: Letting Go Without Letting Down: Rewriting the Transition to Adulthood in Cerebral Palsy (TICKET)
10:15 AM – 12:00 PM	PC5: Orthopedic Surgery for Adults with Cerebral Palsy (TICKET)
10:30 AM – 11:00 AM	Committee Training
11:00 AM – 1:00 PM	Committee Meetings
1:00 PM – 5:00 PM	Board of Directors Meeting <i>(Invitation Only)</i>
	PC6: Musculoskeletal Surveillance in Children with Cerebral Palsy: Spine, Hip, and Knee (TICKET)
	PC7: Palliative Care Across the Lifespan: Shared Experiences Informing Care (TICKET)
	PC8: The state of early detection of CP and NDD - Implementation Around the World and Innovations That Will Expand Access (TICKET)
1:00 PM – 2:45 PM	PC9: How Do We Measure Up? Assessing Malnutrition in Children with Cerebral Palsy and Other Neurological Impairments (TICKET)
3:15 PM – 5:00 PM	PC10: Optimizing Use of Technology for Individuals Living with Childhood Acquired Disability : From Clinic to Community and Assessment to Participation (TICKET)
	PC11: Exploring Identity AND Discovering Ability through Adapted Sports and Recreation (TICKET)
5:30 PM – 6:00 PM	New Member/Early Career/Scholar/ Emerging Leader Reception
6:00 PM – 8:00 PM	Welcome Reception

Monday, September 28, 2026	
7:00 AM – 8:00 AM	Coffee Break <i>(in the Exhibit Hall)</i>
8:00 AM – 9:30 AM	Opening General Session
9:30 AM – 10:30 AM	Coffee Break & Exhibit/Poster Review <i>(even-numbered posters)</i>
10:30 AM – 11:30 AM	Educational Sessions 1-10
11:30 AM – 12:30 PM	Lunch Break
12:30 PM – 1:30 PM	Free Paper Presentations A-E * Free Paper Session A: Differentiation- Clinical Characteristics * Free Paper Session B: Muscle Biology & Genomics- CP * Free Paper Session C: Next Generation Motion/Gait Analysis * Free Paper Session D: Innovations in Early Detection- CP * Free Paper Session E: Medical Complexity- Health & QOL
1:45 PM – 2:45 PM	Educational Sessions 11-20
2:45 PM – 3:15 PM	Coffee Break <i>(in the Exhibit Hall)</i>
3:15 PM – 4:15 PM	Free Paper Presentations F-J * Free Paper Session F: Maximizing Care-Vision, Feeding, and Communication * Free Paper Session G: Getting Therapeutic Interventions Right * Free Paper Session H: Translating Evidence into Practice * Free Paper Session I: Enhancing Ambulation in Cerebral Palsy- Orthopedic Management * Free Paper Session J: Community Participation and Life Transitions
4:30 PM – 5:30 PM	Education Sessions 21-30
6:30 PM – 8:00 PM	Special Interest Groups (SIGs)

Meeting at a Glance

Tuesday, September 29, 2026	
7:00 AM – 8:00 AM	Coffee Break <i>(in the Exhibit Hall)</i>
8:00 AM – 9:30 AM	General Session
9:30 AM – 10:30 AM	Coffee Break & Exhibit/Poster Review <i>(odd-numbered posters)</i>
10:30 AM – 11:30 AM	Educational Sessions 31-40
11:30 AM – 12:45 PM	AACPDM Business Meeting
12:45 PM – 1:45 PM	Free Paper Presentations K-O <ul style="list-style-type: none"> * Free Paper Session K: Neuroscience of Cerebral Palsy * Free Paper Session L: Body Systems: Challenges & Solutions * Free Paper Session M: Orthopedic- Hip & Spine * Free Paper Session N: Advances in Gait and Mobility * Free Paper Session O: Epidemiology in Disabilities
1:45 PM – 2:15 PM	Coffee Break <i>(in the Exhibit Hall)</i>
2:15 PM – 3:15 PM	Educational Sessions 41-50
3:30 PM – 5:00 PM	General Session
5:00 PM – 5:30 PM	Movie Viewing (Disability Roadmap)
7:30 PM – 11:30 PM	Networking Celebration 

Wednesday, September 30, 2026	
7:00 AM – 8:00 AM	Coffee Break <i>(in the Exhibit Hall)</i>
8:00 AM – 9:00 AM	Educational Sessions 51-60
9:00 AM – 9:15 AM	Coffee Break <i>(in the Exhibit Hall)</i>
9:15 AM – 10:15 AM	Free Paper Presentations P-T <ul style="list-style-type: none"> * Free Paper Session P: Neurological Interventions- CP * Free Paper Session Q: Early Intervention in Cerebral Palsy * Free Paper Session R: LifeSpan/Health/Wellnes in CP * Free Paper Session S: Orthopedic Surveillance * Free Paper Session T: Quantifying Function in CP
10:30 AM – 11:30 AM	Educational Sessions 61-70
11:45 AM – 1:15 PM	Closing General Session
2:00 PM – 6:00 PM	Board of Directors Meeting <i>(Invitation Only)</i>
2:30 PM – 3:30 PM	Committee Meetings

Pre-Conference Sessions:

8:00 AM – 12:00 PM ET

PC1: Translational Research in Cerebral Palsy: How Emerging Science Will Transform Clinical Care

Robert E. Akins, PhD, Lauren L. Jantzie, PhD, Sudarshan Dayanidhi, PT, PhD, Katharina A. Quinlan, PhD, Adam Marsh, PhD, Mona Batish, PhD, Elizabeth Wright-Jin, MD, PhD, Bhooma R. Aravamuthan, MD, DPhil, FAAN, FCNS

Room: Franklin Hall 2

Learning Objectives:

1. Explain how perinatal brain injury is associated with changes in muscle and motor circuits that contribute to the evolving clinical picture in CP.
2. Describe emerging biomarkers (epigenetic, RNA-based) that may enable earlier diagnosis and risk stratification in CP.
3. Discuss with families and colleagues how current research on muscle stem cells and contracture biology may lead to new treatments.
4. Identify opportunities to participate in or refer participants to translational research studies
5. Apply standardized assessment approaches for dystonia that translate directly from research to clinical practice.

8:00 AM – 12:00 PM ET

PC2: AACPDM Care Pathway Creation and Implementation in the Real World

Jilda Vargus-Adams, MD MSc, Roslyn N. Boyd, Laurie Glader, MD, Kelly Pham, MD, Stacey D. Miller, BSc(PT), MRSc, Sruthi P. Thomas, MD, PhD

Room: Franklin Hall 4

Learning Objectives:

1. Explain the purpose and structure of care pathways and compare them with clinical practice guidelines, using existing examples (e.g., Early Detection of CP, Dystonia) to highlight similarities and differences.
2. Describe the process of developing a care pathway, including the role of systematic reviews, evidence grading (e.g., GRADE), and common methodological challenges encountered during development.
3. Identify the scope and intent of current AACPDM care pathways, recognizing how different pathways address distinct clinical conditions across the continuum of care.
4. Apply care pathways to real-world clinical scenarios by working through case examples and implementation stories across diverse conditions and resource settings.
5. Analyze barriers and facilitators to care pathway implementation and outline practical steps for adopting and integrating a care pathway within their own clinical or institutional context.

Program and Events – Sunday, September 27, 2026

8:00 AM – 9:45 AM ET

PC3: Upper Extremity Surgical Care for Patients with CP/Stroke including Hyperselective Neurectomy

Carley Vuillemin, MBBS MPH FRACS, M Claire Manske, MD

Room: Franklin Hall 3

Learning Objectives:

1. Identify patients who may benefit from surgical consultation
2. List aspects of function for assessing upper extremity disorders in CP/stroke patients.
3. Describe benefits and limitations of traditional upper extremity surgical treatments.
4. Define the role of hyperselective neurectomy in modern upper extremity surgical care.
5. Demonstrate knowledge of patient selection for surgical interventions

8:00 AM – 9:45 AM ET

PC4: Letting Go Without Letting Down: Rewriting the Transition to Adulthood in Cerebral Palsy

Jensine Clark, MD, Melissa Villegas, MD, Mary Schmidt, DO, Heidi Haapala, MD, Caitlin Cassidy, MD

Room: Salon A-B

Learning Objectives:

1. Describe transition for adults with CP as a longitudinal, community-embedded process shaped by the intersection of disability, healthcare systems, and social context.
2. Identify key individual-level and system-level factors that contribute to disparities during the transition from pediatric to adult care for adults with CP.

3. Apply an equity-informed framework to analyze transition needs across three core domains: medical management, participation and community integration, and environmental facilitators.
4. Develop practical strategies to support effective transition that are feasible across community-based, academic, and under-resourced settings.
5. Integrate medical, participation, and environmental considerations into a cohesive transition program model that promotes lifelong health, engagement, and community belonging.

10:15 AM – 12:00 PM ET

PC5: Orthopedic Surgery for Adults with Cerebral Palsy

Garey H. Noritz, MD, FAAP, FACP, Hank G. Chambers, MD, Kevin P. Murphy, MD

Room: Salon A-B

Learning Objectives:

1. To describe details of orthopedic surgical procedures that are performed on adults with cerebral palsy
2. To modify and improve the patient's experience of undergoing orthopedic surgery
3. To discuss how pediatric providers set the stage for successful adult care
4. To discuss how postoperative care and rehabilitation differs for adults with CP undergoing orthopedic surgery
5. To discuss the complex issues requiring medical management of adults with CP undergoing surgery, including preoperative assessment, hospital management, and management of postoperative complications

Program and Events – Sunday, September 27, 2026

10:30 AM – 11:30 AM ET

Committee Training

Room: Franklin Hall 1

11:00 AM – 1:00 PM ET

Committee Meetings

1:00 PM – 5:00 PM ET

Board of Directors Meeting

Pre-Conference Sessions:

1:00 PM – 5:00 PM ET

PC6: Musculoskeletal Surveillance in Children with Cerebral Palsy: Spine, Hip, and Knee

Arianna Trionfo, MD, Alexa J. Karkenny, MD, FAAOS, FAAP, Brett Shannon, MD, Vedant A. Kulkarni, MD, Rachel Thompson, MD, Jason J. Howard, MD, Christina Herrero, MD

Room: Franklin Hall 2

Learning Objectives:

1. Describe evidence-based surveillance protocols for the hip, spine, and knee in children with cerebral palsy.
2. Identify risk factors for progressive deformity based on GMFCS level, age, growth, and neuromuscular characteristics.
3. Interpret surveillance findings to determine appropriate monitoring intervals, referral thresholds and indications for intervention.
4. Discuss nonoperative and operative treatment options based on deformity severity, functional goals, and patient- and family-centered considerations.
5. Integrate surveillance strategies into multidisciplinary clinical practice using case-based decision making.

1:00 PM – 5:00 PM ET

PC7: Palliative Care Across the Lifespan: Shared Experiences Informing Care

Monica S. Cooper, MBBS, PhD, Irene C. Dietz, MD, Verena M. Schreiber, MD, Angela Harris, BS, Monica A. Blazek, MD, Debbie E. Thorpe, PT, PhD, Toni R. Benton, MD, Kimberly K. Rauch, DO

Room: Franklin Hall 3

Learning Objectives:

1. Understand how persons with lived experience and their families have perceives and navigated conversations about risk of death and palliative care across the lifespan.
2. Compare approaches to advance care planning and documentation across institutions and care settings.
3. Apply ethical frameworks and shared decision-making tools to complex, high-stakes conversations involving families and multidisciplinary teams.
4. Identify key medical morbidities and risk factors in persons with physical disability and syndrome-specific disorders that increase mortality, fragility, including respiratory, gastrointestinal, and musculoskeletal complications, pain/pain phenotypes, mental health disorders
5. Demonstrate practical communication strategies for initiating and revisiting conversations about risk, goals of care, and palliative involvement, including in uncertain or challenging situations.

Program and Events – Sunday, September 27, 2026

1:00 PM – 5:00 PM ET

PC8: The state of early detection of CP and NDD - Implementation Around the World and Innovations That Will Expand Access

Laura A. Prosser, PT, PhD, Alicia Jane Spittle, PhD, MPhysio, BPhysio, Rachel Byrne, PT, Roslyn N. Boyd, Carly Luke, PhD, BPT, Tatiana Ogourtsova, PhD, Ana Bedosivilli, MD, Colleen Peyton, DPT, MSCI

Room: Salon A-B

Learning Objectives:

1. Review evidence-based screening tools with strong predictive validity, reliability and clinical utility.
2. Understand key processes to ensure feasibility of implementing real-world application of evidence-based tools to screen infants for likelihood of CP and NDD (including training models, calibration, technological access, advanced scoring/ interpretation).
3. Understand barriers and enablers to implementing early screening in low resource and culturally unique settings.
4. Describe advancements in clinical tools that are improving detection of CP and NDD.
5. Describe technological innovations that will expand access to early detection of CP and NDD.

1:00 PM – 2:45 PM ET

PC9: How Do We Measure Up? Assessing Malnutrition in Children with Cerebral Palsy and Other Neurological Impairments

Gina R. Rempel, MD, FRCPC, FASPEN, Richard D. Stevenson, MD, Sarah Vermilyea, MS, RD, CSP, LD, CNSC, Koen Huysentruyt, Jessie M. Hulst, MD, PhD, Jodi Wolff, MS, RD, LD, FAND, FAACPD
Room: Franklin Hall 4

Learning Objectives:

1. Articulate the importance of good nutritional status in children with NI and elements of a comprehensive nutrition assessment
2. Identify red flags for malnutrition in children with NI on history and clinical evaluation
3. Demonstrate the appropriate use of anthropometric tools needed to assess children with NI
4. Apply the elements of a nutrition assessment to a child with NI for whom surgery is anticipated and why they are important
5. Explain the importance of the SGNA as an assessment tool in children with NI

3:15 PM – 5:00 PM ET

PC10: Optimizing Use of Technology for Individuals Living with Childhood Acquired Disability : From Clinic to Community and Assessment to Participation

Helly Goetz, M.D., FRCPC, Claire Shrader, MSOT/ OTR/L, Elizabeth G. Condliffe, MD, Adam Kirton, MD, Ashley Pigford, MFA, Ashlee Jaffe, MD, MEd, Sarah H. Evans MD, Brittany Resnick, CCC-SLP
Room: Franklin Hall 4

Learning Objectives:

1. Gain awareness of new and evolving use of technology in rehabilitation in clinic and community .

Program and Events – Sunday, September 27, 2026

2. Acquire new knowledge pertaining to clinical use and research in the fields of robotics, AI, AAC and BCI.
3. Be aware of new AI based tools that capture content during visits in rehabilitation.
4. Be introduced to evolving use of robotics in rehabilitation from feeding to moving. At home and at school.
5. Participate in meaningful discussion regarding the direction of evolution of technology use in rehabilitation for individuals living with childhood acquired disabilities.
5. Apply principles from adapted sports and recreation research to inform inclusive program design, instruction, or advocacy efforts within educational, clinical, or community settings.

5:30 PM – 6:00 PM ET

New Member/Early Career/Scholar/ Emerging Leader Reception

Room: Franklin Hall B

6:00 PM – 8:00 PM ET

Welcome Reception

Room: Franklin Hall B

3:15 PM – 5:00 PM ET

PC11: Exploring Identity AND Discovering Ability through Adapted Sports and Recreation

Thomas E. Moran, Ph.D., CAPE, Gavin Colquitt, EdD, Jennifer Lyman, MS, Aura Aura. Shoval, MD, Dynai Eilig, MD, MBA

Room: Salon C-D

Learning Objectives:

1. Share a variety of adapted sports and recreation opportunities with the individuals and families they serve
2. Explain how adapted sports and recreation support identity development, selfdetermination, and ability recognition among children and adults with cerebral palsy and other developmental disabilities.
3. Analyze how communitybased and peer group adapted sports models function as “opportunity structures” that challenge deficitbased narratives and promote abilityfocused participation.
4. Identify evidencebased practices used in adapted sports and recreation programs that facilitate autonomy, mastery, and sustained engagement across the lifespan.

Program and Events – Monday, September 28, 2026

7:00 AM - 8:00 AM ET

Coffee Break (in the Exhibit Hall)

Room: Franklin Hall B

8:00 AM – 9:30 AM ET

Opening General Session

Room: Salon E-H

9:30 AM – 10:30 AM ET

Coffee Break & Exhibit/Poster Review

(Even numbered posters)

Room: Franklin Hall B

10:30 AM – 11:30 AM ET

Education Sessions 1-10

EDU01: Lifetime Costs Associated with Childhood-onset Disabilities

Mark Gormley, Jr., MD, Hank G. Chambers, MD, Jill Chambers, Kit Brady

Room: Salon A-B

Learning Objectives:

1. Upon completion, participants will be able to describe the medical costs people with a childhood-onset disability incur over their lifetimes.
2. Upon completion, participants will be able to describe the social costs people with a childhood-onset disability incur over their lifetimes.
3. Upon completion, participants will be able to describe the economic losses people with a childhood-onset disability and their families will incur over their lifetimes.
4. Upon completion, participants will be able to describe the public service costs of supporting people with a childhood-onset disability.
5. Upon completion, participants will be able to describe methods to improve general awareness and public policy initiatives to address the lifetime costs associated with childhood-onset disabilities.

EDU02: The Evolution of Proximal Femoral Guided Growth in Children with Cerebral Palsy: From Concept to Contemporary Practice

Verena M. Schreiber, MD, James M. McCarthy, MD, Arianna Trionfo, MD, Benjamin J. Shore, MD, MPH, FRCSC

Room: Salon I-J

Learning Objectives:

1. Describe the pathophysiology of proximal femoral deformity and hip displacement in children with cerebral palsy.
2. Interpret current outcome data and recognize common complications and failure patterns.
3. Explain the biomechanical rationale and surgical principles underlying proximal femoral guided growth.
4. Identify appropriate patient selection criteria, including age, GMFCS level, migration percentage, and skeletal maturity.
5. Compare proximal femoral guided growth with traditional reconstructive osteotomy, highlighting indications, benefits, and limitations of each approach.

EDU03: Speed Networking: Building Engagement Between Researchers, Clinicians, and People with Lived Experience.

Stacey C. Dusing, PT, PhD, FAPTA, Corinna Bauer, Ph.D., Debbie E. Thorpe, PT, PhD, Aura Aura Shoval, MD

Room: Salon C-D

Learning Objectives:

1. increase their understanding of the role of stakeholders of various backgrounds being part of a research team.
2. Describe 1 way your research/practice benefits from a diverse range of stakeholders (i.e., how does it benefit the scientific community, medical profession, and/or persons with lived experience)?

Program and Events – Monday, September 28, 2026

3. Provide 1 comment on how their own thinking about inclusion of people with lived experience in research or quality improvement has changed during this session.
4. Understand how to effectively communicate research ideas to a diverse audience
5. Learn skills and receive feedback that will be transferable to writing project narrative statements or lay summaries in funding applications

EDU04: From Everyday Practice to Meaningful Data: Making CP Common Data Elements Work for You

Angela Shierk, PhD, OTR, Marcy Pape, PT, DPT, Theresa Sukal-Moulton, DPT, PhD, Susan E. Sienko, PhD, Lisa V. Wagner, DHS, OTR/L, Joyce P. Trost, PT, PhD

Room: Conf Room 407-409

Learning Objectives:

1. Describe the purpose and structure of the NINDS CP Common Data Elements and their relevance to both care delivery and research
2. Utilize a clinical self-reflection tool to assess current practice patterns and identify opportunities for integrating CP CDEs
3. Demonstrate how to align recommended outcome measures within the ICF framework to create a practical, comprehensive assessment approach
4. Apply strategies to integrate CP CDEs into clinical workflows while enhancing documentation efficiency
5. Develop a realistic implementation plan for adopting CP CDEs in diverse clinical settings, anticipating common barriers and solutions

EDU05: From Waitlists to Wearables: How AI and Technology Are Transforming Pediatric Neurodevelopmental Care

Helly Goez, M.D., FRCPC, Vivian Lee, PhD, Jessica Remedios, M.Ads, R.B.A (Ont.), BCBA, Sarah Raza, PhD, Renee Baysarowich, MSc

Room: Salon K-L

Learning Objectives:

1. Describe emerging AI-enabled tools used in ASD diagnosis and communication.
2. Identify clinical and operational challenges in current ASD diagnostic pathways and explain how AI-supported triage and summarization tools may reduce administrative burden and improve access.
3. Evaluate technology-supported interventions, such as wearable physiological monitoring tools and the Secret Agent Society program, and discuss their relevance within neurodevelopmental health services.
4. Assess implementation considerations for integrating AI-driven tools into clinical and behavioral workflows, including training, workflow alignment, ethical factors, and family engagement.
5. Apply evidence from early pilot studies to identify strategies for sustainable scaleup, cross program consistency, cross-sector collaboration, and equitable use of AI in pediatric autism care.

Program and Events – Monday, September 28, 2026

EDU06: IMPROVE CP -- Making the Gait Outcome Assessment List and CPCHILD Available as Shared Decision Making Tools to Everyone

Paul H. Gross, BA, Neena I. Marupudi, MD, MS, Angeline Bowman, MD, Unni G. Narayanan, MBBS, MSc, FRCS(C)

Room: Franklin Hall 1

Learning Objectives:

1. Understand the features of the GOAL and CPCHILD as shared decision-making tools for engaging families around surgical interventions and desired outcomes aligned with patient and parent goals.
2. Appreciate the benefit of the real-time integration of reporting from the GOAL and CPCHILD in their pre-surgical clinical visits.
3. Understand how to access resources to be trained in using the eGOAL and eCPCHILD for shared decision making between providers and patient families.
4. Understand how to request and receive HIPAA compliant GOAL and CPCHILD reports from patient families through MyChart or other patient communication platforms.
5. Upon completion, the participant understands how the patient reports will be generated on CPRN.org and included into the patient medical record.

EDU07: Preoperative Optimization for Pediatric Orthopaedics Patients with Medical Complexity: A Multicenter Experience and the Future of Pediatric Orthopaedics Prehabilitation Practice

Dynai Eilig, MD, MBA, Devin C. Peterson, MD, Kristine Tomczyk, Stanley Moll, RN, Catherine Jones

Room: Franklin Hall 2

Learning Objectives:

1. Recognize the importance and urgency of structured preoperative optimization and prehabilitation services for children with medical complexity undergoing major orthopaedic surgery.
2. Summarize current evidence and emerging research supporting pediatric prehabilitation to improve surgical readiness, reduce complications, and enhance recovery.
3. Describe multidisciplinary perioperative optimization models implemented at three Canadian pediatric centers, including key elements and challenges.
4. Identify essential components required to design and implement similar programs within diverse institutional and regional contexts.
5. Apply knowledge-translation strategies and tools, including the Pediatric Prehabilitation Toolkit, to bridge tertiary and community care and promote equitable, family-centered preparation.

Program and Events – Monday, September 28, 2026

EDU08: The Power of Representation: Attitudes Towards Disability in Healthcare

Ashley H. Harris Whaley, MS, CCC-SLP, Mark Peterson, PhD, MS, Cynthia L. Wozow, DO, Sarah E. Philbin, PhD MPH

Room: Franklin Hall 3

Learning Objectives:

1. Upon completion, participant will gain an understanding of ableism and identify its prevalence embedded within society and healthcare related fields.
2. Upon completion, participant will be able to identify treatment barriers, biases and stigma faced by individuals with disabilities and understand the need for formalized disability-focused training in healthcare-related fields.
3. Upon completion, participant will be able to consider the importance of knowledge translation between medical professionals and people with disabilities and how that impacts care delivery and outcomes.
4. Upon completion, participant will be able to discuss strategies for including disability-centric education in core curriculums for healthcare specialties.
5. Upon completion, participant will explore and understand the value of attracting and retaining more individuals with disabilities as healthcare providers.

EDU09: Rehabilitation Decision-Making in Progressive Pediatric Neurologic Conditions: A Case-Based Approach

Annie Abraham, MD, Saylee Dhamdhere, MD, Rajashree Srinivasan, MBBS, Heakyung Kim, M.D.

Room: Franklin Hall 4

Learning Objectives:

1. Describe how rehabilitation goals evolve across stages of progressive pediatric neurologic disease.

2. Select hypertonia management strategies based on goals of comfort, symptom relief, or therapy participation.
3. Apply a trajectory-informed framework to guide equipment, positioning, and assistive technology recommendations.
4. Determine appropriate therapy settings and modalities (home-based services, inpatient rehabilitation, outpatient therapy) for children with progressive neurologic conditions.
5. Integrate clinical course, symptom burden, and individualized priorities into shared rehabilitation decision-making.

EDU10: From Game Play to Daily Life: Modernizing Upper Extremity Assessment with Digital Performance Metrics and Wearable Sensors

Swati M. Surkar, PT, PhD, Sudha M. Srinivasan, PT, PhD, Samuel T. Nemanich, PhD

Room: Franklin Hall 13

Learning Objectives:

1. Differentiate between gamified performance metrics and wearable sensor-derived measures of upper extremity movement to select appropriate tools for clinically-applied research evaluation and outcome monitoring.
2. Interpret outputs from gamified touchscreen tasks to identify deficits in whole-limb, fine-motor, and bimanual coordination skills relevant to clinical presentation and developmental expectations.
3. Analyze accelerometer-derived indicators of real-world arm use (e.g., use ratio, magnitude ratio, activity counts) to detect functional asymmetries and meaningful change during and after intervention.

Program and Events – Monday, September 28, 2026

4. Apply technology-based assessments to monitor therapy intensity and fidelity, guide progression of treatment, and evaluate whether gains achieved in therapy generalize to everyday activities.
5. Integrate digital performance metrics, wearable sensor data, and standardized clinical measures to support individualized clinical decision-making and documentation of treatment effectiveness.

11:30 AM – 12:30 PM ET

Lunch Break

Room: Franklin Hall B

12:30 PM – 1:30 PM ET


Free Paper Sessions A-E

Free Paper Session A: Differentiation-Clinical Characteristics

Room: Salon A-B

12:30 PM - 12:36 PM ET

A1: Phenotype-Specific Movement Signatures in Early Infancy Differentiate Spastic and Dyskinetic Cerebral Palsy

 *Gayle G. Arnold Award Finalist*

Colleen Peyton, DPT, MSCI, Carly Luke, PhD, BPT, Lynn Boswell, PT, MS, Imani Mann, Alison Goetzeluck, PT, DPT, PCS, Kristina Stein, OTR/L, Anya Gordon, Raye-Ann deRegnier, MD, Roslyn N. Boyd, Theresa Sukal-Moulton, DPT, PhD

12:37 PM - 12:43 PM ET

A2: Reference Values for Mobility in Typically Developing Preschool Children: A Cross-Sectional Study

 *Promising Career Award Finalist*

 *Southern Family Cerebral Palsy Center Best Adult Paper Award Finalist*

 *Complex Care Early Career Award Finalist*

Hsiu-Ching Chiu, PhD, Louise Ada, PhD, Theofani A. Bania, BSc, MSc, PhD

12:44 PM - 12:50 PM ET

A3: Startle Response: Children with Bilateral Compared to Unilateral Spastic Cerebral Palsy Show More Kinematic Excursion and Higher Upper Limb EMG Activity after an Unexpected Acoustic Stimulus

Åsa Bartonek, PT PhD, Inti Vanmechelen, Mikael Reimeringer, MA, Ruoli Wang, PhD, Cecilia Lidbeck, PT

12:51 PM - 12:57 PM ET

A4: Early Gross and Fine Motor Abilities and Growth Show Distinct Associations with Cognition in Preterm Infants

Kanishka Baduni, PhD, Caitlin Kjeldsen, PhD, Mary Neel, Joshua Lukemire, Larken Marra, PhD, Phillip Tomporowski, Nathalie L. Maitre, MD, PhD

1:00 PM - 1:06 PM ET

A5: Comparing Spontaneous Infant Motor Assessments for Cerebral Palsy Diagnosis and Later Motor Ability

Colleen Peyton, DPT, MSCI, Carly Luke, PhD, BPT, Imani Mann, Alison Goetzeluck, PT, DPT, PCS, Kristina Stein, OTR/L, Lynn Boswell, PT, MS, Anya Gordon, Raye-Ann deRegnier, MD, Roslyn N. Boyd, Theresa Sukal-Moulton, DPT, PhD

1:07 PM - 1:13 PM ET

A6: Motor Speech Disorders and Cerebral Palsy: Shared Genetic Etiologies.

Janelle E. Stanton, David H. Ledbetter, PhD, Scott M. Myers, MD, Christa Martin, Marissa W. Mitchell, MS

1:14 PM - 1:20 PM ET

A7: Temporal Constraints Linking Upper Limb Reaction Time and Lower Limb Postural Onset Timing in Children with Cerebral Palsy

Simin Rahman, Sydney Whitten, MS, Shelley Jakiel, MS, Deborah A. Barany, PhD, Tarkeshwar Singh, PhD, Christopher M. Modlesky, PhD

Program and Events – Monday, September 28, 2026

1:21 PM - 1:27 PM ET

A8: Uncovering the Translational Regulation by Circular RNAs in Spastic Cerebral Palsy

Brigette M. Romero Carpio, MS, Karyn Robinson, MS, Vijay Parashar, PhD, Robert E. Akins, PhD, Wade Shrader, MD, Mona Batish, PhD

Free Paper Session B: Muscle Biology & Genomics- CP

Room: Salon C-D

12:30 PM - 12:36 PM ET

B1: Whole Genome Sequencing Identifies Candidate Genes and Pathways in Idiopathic Toe Walking

Jeremy P. Bauer, MD, Susan E. Sienko, PhD, Kamran Shazand, PhD, Awtum Brasherer Lewis, PhD, Jon R. Davids, MD

12:37 PM - 12:43 PM ET

B2: Testing the Performance of Polygenic Scores for Multiple Traits to Explain Cerebral Palsy Risk in Two Independent Cohorts

Alexander Berry, PhD, Jodi Thomas, Matthew Oetjens, David Ledbetter, Nick Martin, Clare L. van Eyk, PhD, Jozef Gecz, PhD, FAA, FAHMS, FFSc(RCPA), Brittany Mitchell, Mark Corbett, PhD, Scott M. Myers, MD

12:44 PM - 12:50 PM ET

B3: Distinct Plasma Proteome in Adults with Cerebral Palsy at Rest and After Acute Exercise

Oscar Horwath, Linnéa Corell, MD, Stefan M. Reitzner, Emma Hjalmarsson, PT, PhD, Johanna T. Lanner, PhD, Rodrigo Fernandez Gonzalo, PhD, Sebastian Edman, PhD, Ferdinand von Walden, MD, PhD

12:51 PM - 12:57 PM ET

B4: Does BoNT-A Alter Ultrasonographic Muscle Morphology in Children with Cerebral Palsy?

Nigar Dursun, MD, Mustafa Kadioglu, Torehan Ozer

1:00 PM - 1:06 PM ET

B5: Circulating Mitochondrial-Derived Microproteins at Rest and in Response to an Acute Bout of Endurance Exercise in Individuals with Cerebral Palsy

Julia Starck, Oscar Horwath, Linnéa Corell, MD, Junxiang Wan, Emma Hjalmarsson, PT, PhD, Stefan M. Reitzner, Jessica Norrbom, PhD, Pinchas Cohen, MD, Ferdinand von Walden, MD, PhD, Sebastian Edman, PhD

1:07 PM - 1:13 PM ET

B6: DNA Methylation Exhibits Advanced Epigenetic Acceleration in Spastic Cerebral Palsy

Jonathan R. Hicks, Ph.D., Karyn G. Robinson, MS, Adam Marsh, PhD, Robert E. Akins, PhD

1:14 PM - 1:20 PM ET

B7: Proteomic Analysis of Muscle Biopsies From Patients with Cerebral Palsy (CP) to Identify Translational Regulators of CP

Brigette M. Romero Carpio, MS, Karyn Robinson, MS, Vijay Parashar, PhD, Wade Shrader, MD, Robert E. Akins, PhD, Mona Batish, PhD

1:21 PM - 1:27 PM ET

B8: Vidaza Does Not Impair Skeletal Muscle Regeneration Suggesting it Might Be Useful to Treat Contractures In Cerebral Palsy

Richard L. Lieber, PhD, MBA, Andrea A. Domenighetti, PhD

MONDAY

Program and Events – Monday, September 28, 2026

Free Paper Session C: Next Generation Motion/Gait Analysis

Room: Salon I-J

12:30 PM - 12:36 PM ET

C1: Standardized Video Observations Can Be Used to Recognize Gait Patterns in Children with Cerebral Palsy: A Validation Study

Kristina Andersson, Evgenia Manousaki, MD, Inti Vanmechelen, Edwin Råsberg, Cecilia Lidbeck, PT

12:37 PM - 12:43 PM ET

C2: Clinical Functionality of Markerless Motion Capture in Complex Pediatric Gait

Robert Courter, PhD, Spencer Warshauer, MS, Sean Waldron, MD, Karen Kruger, PhD, Seth Donahue, Jeremy P. Bauer, MD, Susan E. Sienko, PhD, Anita M. Bagley, PhD, Joseph J. Krzak, PT, PhD, Ross S. Chafetz, DPT, PhD, MPH

12:44 PM - 12:50 PM ET

C3: Accuracy of a Markerless Smart Hallway for Gait Analysis in Children with Cerebral Palsy

Hana F. Alazem, MD, FRCPC, Alicia Hilderley, PhD, Anna M. McCormick, MD, FRCPC, Albert Tu, FRCS(C), Edward Lemaire, PhD, Natalie Baddour, PhD, Kevin Cheung, MD, Akshay Seth, MD, Dhruv Bhavsar, Cancan Su

12:51 PM - 12:57 PM ET

C4: Clinical Measurement of Sit to Stand Function in the Motion Analysis Laboratory

Stephanie Butler, DPT, Arianna Trionfo, MD, Chris Church, MPT, Nancy Lennon, DPT, MS, PT, Jose J. Salazar-Torres, PhD, Wade Shrader, MD, John Henley, PhD

1:00 PM - 1:06 PM ET

C5: Impact of Different Clothing Types on Tracking Lower Extremity Joint Kinematics Using Theia 3D During Barefoot Overground Walking in Children with Cerebral Palsy

Amy E. Barbuto, PT, DPT, Eric L. Dugan, PhD, Christina Bickley, PT, PhD, Alyssa LaForme Fiss, PT, PhD, Katy Mitchell, PT, PhD

1:07 PM - 1:13 PM ET

C6: Kinematic Coupling of the Trunk and Pelvis During Gait in Patients with Prune Belly Syndrome

Steve Wilson, BS, Mallory Rowan, MS, Jessica Lewis, PT, DPT, Matthew Parrett, MEd, FMS, Nathalia Amado, PhD, Sean Tabaie, MD, MBA, Linda A. Baker, MD, Kirsten Tulchin-Francis, PhD

1:14 PM - 1:20 PM ET

C7: Validity of Markerless Ankle Kinematics in Children Wearing Solid and Ground Reaction Ankle Foot Orthoses

Riley Horn, John Collins, Heather Waters, DPT, Christine Amacker, DPT, Martins Amechi, MS, Rachel Thompson, MD, Patrick F. Curran, MD

1:21 PM - 1:27 PM ET

C8: The Performance of Freely Available, Open-source Markerless Motion Capture Software in Estimating Sagittal-plane Knee Angle for Knee Surveillance

Maura Eveld, Ross S. Chafetz, DPT, PhD, MPH, Anita M. Bagley, PhD, Jeremy P. Bauer, MD, Karen Kruger, PhD, Joseph J. Krzak, PT, PhD, Seth Donahue, Susan E. Sienko, PhD, Vedant A. Kulkarni, MD

Program and Events – Monday, September 28, 2026

Free Paper Session D: Innovations in Early Detection- CP

Room: Salon K-L

12:30 PM - 12:36 PM ET

D1: An Early Infant Neuromotor Screening Tool Using Miniaturized Wearable Sensors

Megan K. O'Brien, PhD, Jacob Sindorf, PhD, Elizabeth Folkmann, John A. Rogers, PhD, Raye-Ann deRegnier, MD, Richard L. Lieber, PhD, MBA, Arun Jayaraman, PT, PhD

12:37 PM - 12:43 PM ET

D2: Automatic Infant Movement Assessment Using Pose-LBP Features and a Cost-Sensitive Subspace kNN Ensemble

Ali Arı, Pelin Atalan Efker, Ecem Yıldız Çangur, Kamile Uzun Akkaya, Berna Gürler Arı, Abdulkadir Şengür, Yan Tian, Bulent Elbasan, Prof.

12:44 PM - 12:50 PM ET

D3: Global Utility of the Motor Optimality Score-revised for Predicting Neurodevelopmental Disability across Cross-Cultural and Resource-Variable Healthcare Settings.

 *Promising Career Award Finalist*

 *Complex Care Early Career Award Finalist*

Carly Luke, PhD, BPT, Katherine N. Benfer, PhD, Andrea Guzzetta, PhD, Olena Corna, PhD, Nana Tashivilli, MD, Ana Bedosivilli, MD, Tika Giuashvili, MD, Sayak Chowdhury, BSc PT, Asis Kumar. Ghosh, MSc PT, Roslyn N. Boyd

12:51 PM - 12:57 PM ET

D4: Differences Between HINE and BabyOSCAR at 3-5 Months in Prediction of Cerebral Palsy Diagnosis and Topography

Theresa Sukal-Moulton, DPT, PhD, Carly Luke, PhD, BPT, Imani Mann, Lynn Boswell, PT, MS, Anya Gordon, Alison Goetgeluck, PT, DPT, PCS, Kristina Stein, OTR/L, Raye-Ann deRegnier, MD, Roslyn N. Boyd, Colleen Peyton, DPT, MSCI

1:00 PM - 1:06 PM ET

D5: Early Prognostic Value of Baby Observational Selective Control Appraisal (BabyOSCAR) at 3 Months for Cerebral Palsy Functional Abilities, Distribution and Motor Type at Two Years.

 *Promising Career Award Finalist*

 *Complex Care Early Career Award Finalist*

Carly Luke, PhD, BPT, Colleen Peyton, DPT, MSCI, Roslyn N. Boyd, Megan Thorley, BOccThy, Theresa Sukal-Moulton, DPT, PhD

1:07 PM - 1:13 PM ET

D6: Use of Term-Equivalent Age Assessments to Predict Parent-Infant Relationship and Motor Development Outcomes for Term- and Pre-Preterm Parent-Infant Dyads 15 Weeks Later

 *Gayle G. Arnold Award Finalist*

Corri L. Stuyvenberg, PT, DPT, PhD, Rebecca Molinini, PT, PhD, Linda Koehler, PT, PhD, Ida Tchuisseu Fonkoue, MD, PhD, Tonya L. Rich, PhD, OTR/L, TPS, Christine Spence, PhD, Karen D. Hendricks-Muñoz, MD, MPH, Richard D. Stevenson, MD, Jennifer Burnsed, MD, Stacey C. Dusing, PT, PhD, FAPTA

MONDAY

Program and Events – Monday, September 28, 2026

1:14 PM - 1:20 PM ET

D7: Neonatal GMOS-R Findings and Associations With Later Diagnosis of Cerebral Palsy

Alison Goetgeluck, PT, DPT, PCS, Lynn Boswell, PT, MS, Vanessa M. Barbosa, PhD, OTR/L, CNT, Aneta M. Jedraszko, MPH, Kristina Stein, OTR/L, Raye-Ann deRegnier, MD

1:21 PM - 1:27 PM ET

D8: Heart Rate Characteristics Identify Extremely Low Birth Weight Infants at Increased Risk for Cerebral Palsy

Lisa C. Letzkus, PhD, RN, CPNP-AC, Doug Lake, PhD, Sherry Kaush, PhD, Karen Fairchild, MD

Free Paper Session E: Medical Complexity- Health & QOL

Room: Franklin Hall 1

12:30 PM - 12:36 PM ET

E1: Health-Related Quality of Life and Caregiver Burden After Hip and Spine Surgery in Children With Cerebral Palsy: 10 Year Follow-Up

Rachel L. DiFazio, PhD, RN, PPCNP-BC, FAAN, Patricia E. Miller, PhD, Judith A. Vessey, PhD, MBA, RN, DPNP, FAAN, Benjamin J. Shore, MD, MPH, FRCSC, Brian D. Snyder, MD/PhD

12:37 PM - 12:43 PM ET

E2: Parental Experiences and Expectations of Economic Inclusion: A Qualitative Study of Young Adults with Learning Disabilities in Sri Lanka.

Nirushi Perera, Shehani H. Bandara, Shyamani Hettiarachchi, PhD, Hasini Iranthika, BS, Thamali Dissanayake, Reshani Weerasinghe, Lasanthi Daskon, MA, Niluka Gunewardena, MA, Dilini Walisundara, PhD, Mahishi Ranaweera, PhD

12:44 PM - 12:50 PM ET

E3: How Well Are Families Prepared and What Coping Strategies Are They Utilizing After Multi-level Surgery (MLS) in Children with Cerebral Palsy? A Pilot Study

Jana L. Teagle, MS, CTRS, CCLS, CBIS, Paul Enlow, PhD, Wade Shrader, MD

12:51 PM - 12:57 PM ET

E4: Comparing Health Related Quality of Life Outcomes After Trochanteric Sparing Proximal Femoral Head Resection and Hip Reconstruction in Non-Ambulatory Children with Hip Subluxation

Carly S. McDermott, MS, Marie R. Murray, BA, Patricia E. Miller, PhD, Brian D. Snyder, MD/PhD, Colyn J. Watkins, MD, Benjamin J. Shore, MD, MPH, FRCSC

1:00 PM - 1:06 PM ET

E5: Facilitating Conversations Around Hope and Resilience in Progressive Neuromuscular Disorders

Dahlia Earleywine, BS, Emily Roth, BS, Anna Jesus, MD, MBE, Sarah M. Jones, MD, Renee Bricker, MS, Rebecca Scharf, MD, MPH, Margaret Plews-Ogan, MD, Erin Plews-Ogan, MD

1:07 PM - 1:13 PM ET

E6: Quality of Life and Sleep Disturbances in Jordanian Children with Chronic Health Conditions: Implications for Global Multidisciplinary Pediatric Rehabilitation

Nihad A. Almasri, PhD, Montaha Aleide, MD

1:14 PM - 1:20 PM ET

E7: Executive Functioning is Associated with Functional Walking Performance in Ambulatory Youth with Cerebral Palsy

Katherine Dimitropoulou, Ph.D., MSPOR, OTR/L, Megan Sofield, OTD, OTR/L, Brian D. Wishart, DO, MMS, Mara M. Yale, Ph.D., GCFF, SEP, Abby Carey

Program and Events – Monday, September 28, 2026

1:21 PM - 1:27 PM ET

E8: Evaluation of the Cerebral Palsy Profile of Health and Function (CP-PRO) Short Forms

Max Downey, Maclain Capron, MPH, Nicole Gerhardt, OTD, Nancy Lennon, DPT, MS, PT, Wade Shrader, MD, MJ Mulcahey, PhD

1:45 PM – 2:45 PM ET

Education Sessions 11-20

EDU11: Priming, Practice, and Play: Technology-Based Strategies to Enhance Upper Extremity Rehabilitation in Children with Unilateral Cerebral Palsy

Sudha M. Srinivasan, PT, PhD, Swati M. Surkar, PT, PhD, Andrea B. B. Cunha, PhD

Room: Salon A-B

Learning Objectives:

1. Discuss the different types of technology-based approaches that are presently used within the context of upper extremity (UE) rehabilitation interventions for children with UCP.
2. Discuss the current evidence supporting remote ischemic conditioning (RIC) as a priming strategy to enhance the effects of motor training among children with UCP.
3. Describe the research to date related to the rationale and application of training programs using modified joystick-operated ride-on toys to promote UE motor function in children with UCP.
4. Compare the effects of a virtual reality (VR)-augmented vs. a non-VR-based task-oriented training program on UE motor function in children with UCP.
5. Compare and contrast the pros and cons related to the application of different technology-based approaches within the context of UE rehabilitation for children with UCP.

EDU12: Ethics Rounds as a Reproducible Model to Support Clinicians, Learners, and Patient-Centered Care: Lessons from a Physical Medicine and Rehabilitation Department

Marina Ma, MD, Kimberly E. Sawyer, MD, MA, HEC-C, FAAP, Kimberly C. Davis, PhD, Unoma Akamagwuna, MD

Room: Salon C-D

Learning Objectives:

1. Describe the structure and essential elements of a reproducible Ethics Rounds model implemented within a children's hospital setting
2. Identify common sources of moral distress in complex pediatric care across clinical contexts, including rehabilitation, surgical decision-making, and capacity assessment
3. Explain the components and purpose of a structured ethical analysis framework used to examine challenging clinical cases
4. Analyze how interdisciplinary perspectives (e.g., rehabilitation medicine, palliative care, psychology) inform ethical deliberation and team-based decision-making
5. Develop strategies for implementing or adapting Ethics Rounds within their own clinical environments to support clinician well-being and patient- and family-centered care

EDU13: From Spontaneous Movement Assessments in Infancy to Follow-Up Pathways and Early Intervention

Theresa Sukal-Moulton, DPT, PhD, Colleen Peyton, DPT, MSCI, Carly Luke, PhD, BPT, Roslyn N. Boyd

Room: Salon K-L

Learning Objectives:

1. Upon completion, participants will be able to describe the features the MOS-R and BabyOSCAR scoring and define the differences between both tools.

Program and Events – Monday, September 28, 2026

MONDAY

2. Upon completion, participants will understand the evaluation pathways best suited based on spontaneous movement assessments.
3. Upon completion, participants will be able to choose the most appropriate tool (MOS-R or BabyOSCAR) to provide additional in-depth analyses of infant spontaneous movements at 3-5 months CA.
4. Upon completion, participants will be able to understand how both tools can be implemented clinically to fast-track infants to targeted early intervention services.
5. Upon completion, participants will reflect on local practice within their community and the potential inclusion of observation of spontaneous movement within their diagnostic trajectories.

EDU14: If You Build it, They Will Come: Supporting the Adult Cerebral Palsy Workforce

Toni R. Benton, MD, Carmen McClelland, MOTR/L, ECHM, Sandra Heimerl, DPT, John P. Phillips, MD, Karen G. Lucero, PT, MS, PCS

Room: Franklin Hall 1

Learning Objectives:

1. Discuss the urgency of addressing the complexity of aging with cerebral palsy
2. Recognize the gaps in allied health and medical provider knowledge related to a fragmented health care and home and community service system and why change is needed
3. Describe the process addressing these gaps including the resources, activities and current and anticipated outputs and outcomes addressing statewide needs
4. Discuss the successes and challenges of addressing the gaps in knowledge and systems

5. Identify a starting point for organizations seeking to implement ways to improve services and supports for adults with cerebral palsy

EDU15: Can the F-words Framework Structure Extended Reality Use in Pediatric Rehabilitation? Six Case Studies, and a Call to Action!

Danielle E. Levac, Jeromine Hervo

Room: Franklin Hall 2

Learning Objectives:

1. Describe how each F-word construct can guide selection and application of XR technologies in pediatric rehabilitation.
2. Discuss how to structure XR interventions that address multiple F-words simultaneously.
3. Identify context-specific facilitators and barriers to F-words-guided XR implementation and propose adaptive strategies for diverse clinical settings and patient populations.
4. Integrate child and family perspectives into XR intervention planning to ensure applications align with personally meaningful goals across F-words domains.
5. Articulate the value of F-words-guided XR applications to diverse stakeholders (families, administrators, interdisciplinary colleagues) to facilitate clinical adoption and family engagement.

Program and Events – Monday, September 28, 2026

EDU16: Healthcare Mentorship Program for Adults with Cerebral Palsy: A Map to Healthcare Futures

Ashley H. Harris Whaley, MS, CCC-SLP, Deborah J. Gaebler-Spira, MD, Cynthia L. Wozow, DO, Christopher Najarian, MD, MPH, Justin W. Ramsey, MD

Room: Franklin Hall 3

Learning Objectives:

1. Upon completion, participant will be able to understand the current landscape of medical training as well as the discrepancy in participation rates for those with cerebral palsy and other disabilities.
2. Upon completion, participant will be able to identify barriers to participation in all healthcare fields.
3. Upon completion, participant will be able to understand how effective mentorship is used to create pathways to ameliorate barriers and improve experiences within secondary training for those in healthcare fields.
4. Upon completion, participant will be able to identify and understand implementation strategies to ensure participants contribute to a more inclusive and diverse healthcare and research workforce.
5. Upon completion, participant will be able to understand lived experience perspectives from healthcare professionals, and how important and integral mentorship is to improving the quality of these experiences.

EDU17: Alleviating Structural Inequities for Individuals with Cerebral Palsy Through Bioethics

Kevin T. Mintz, PhD, Stephanie C. DeLuca, PhD, Cynthia Brown. Dodds, PhD, PT, PCS
Room: Salon I-J

Learning Objectives:

1. Describe key principles of bioethics, including autonomy, beneficence, and justice.
2. Analyze how bioethical principles do and do not accommodate the concerns of people with CP and other developmental disabilities.
3. Assess how structural inequities can shape patients' lives and preferences.
4. Reflect on how ethical dilemmas influence an individual provider's practice.
5. Strategize about how to challenge structural inequities in an individual's scope of practice.

EDU18: Brotherly Love Beyond the Bedside: Advocacy Strategies that Build Connection and Get Results

Laura J. Hobart-Porter, DO, FAAPMR, FAAP, Maurice G. Sholas, MD PhD, Mallory Legg, JD
Room: Franklin Hall 4

Learning Objectives:

1. Describe core ethical principles that frame patient advocacy as a professional responsibility rather than a partisan activity.
2. Identify practical advocacy strategies that advance equitable care for individuals with childhood-onset disabilities across clinical and systems-level contexts.
3. Demonstrate effective communication techniques for engaging stakeholders with differing political, institutional, or professional perspectives.
4. Apply shared-values framing to re-position advocacy conversations toward common ground and collaborative problem-solving.

Program and Events – Monday, September 28, 2026

5. Evaluate potential risks and safeguards when engaging in advocacy activities within professional and organizational roles.

EDU19: Hand Function, Contracture Development and Muscle Physiology of the Upper Limb in Children and Adults with Cerebral Palsy

Evgenia Manousaki, MD, Eva M. Pontén, MD, Erika Cloudt, PhD

Room: Franklin Hall 13

Learning Objectives:

1. Upon completion, participant will be able to understand the muscle pathology in cerebral palsy and skeletal muscle growth
2. Upon completion, participant will be able to describe the sequence, location and mechanisms of contracture development
3. Upon completion, participant will be able to identify individuals who are at risk for developing contractures in the upper limb
4. Upon completion, participant will be able to understand how hand function in adults with cerebral palsy is associated with employment and independent living
5. Upon completion, participant will be able to recognize how systematic surveillance of the upper limb can enable detection, prevention and treatment of contractures

EDU20: Mealtimes Matter: A Team Approach For Early Detection and Evidence-Based Interventions For Young Feeders with Cerebral Palsy to Empower Family Mealtime Participation Outside of the Clinic Walls

Katherine L. Clark, MOT, OTR/L, ATP, Lindsay Stutz, MA, CCC-SLP

Room: Conf Room 407-409

Learning Objectives:

1. describe the importance of early feeding evaluation in identifying associated impairments in infants with or at risk for CP.

2. define the 4 domains of pediatric feeding disorder.
3. explain the roles of team members to identify and address associated impairments impacting feeding in young children with complex physical disabilities.
4. identify the significance of oral motor development and summarize evidence-based CP specific interventions to impact feeding young children with or at risk for CP.
5. apply family centered strategies for home carryover to support participation in positive family mealtime routines.

2:45 PM – 3:15 PM ET

Coffee Break (in the Exhibit Hall)

Room: Franklin Hall B

3:15 PM – 4:15 PM ET

Free Paper Sessions F-J

Free Paper Session F: Maximizing Care- Vision, Feeding, and Communication

Room: Salon A-B

3:15 PM - 3:21 PM ET

F1: Detecting Cerebral Visual Impairment (CVI) using the Higher Visual Function Question Inventory 11 (HVFQI-11)

Karen L. Harpster, PhD, OTR/L, Megan McCarthy, OTS, Terry L. Schwartz, MD, Melissa L. Rice, PhD, Silvia Veitzman, Arvind Chandna, MD

3:22 PM - 3:28 PM ET

F2: Early Motor and Vision Biomarkers for Co-occurring Cerebral Palsy and Cerebral Visual Impairment

Ana Bedosivilli, MD, Linda Bonezzi, Carly Luke, PhD, BPT, Tika Giuashvili, MD, Nana Tashivilli, MD, Sofia Tashivilli, MD, Andrea Guzzetta, PhD, Roslyn N. Boyd

Program and Events – Monday, September 28, 2026

3:29 PM - 3:35 PM ET

F3: Gastrointestinal Dysfunction in >42,000 Children with Neurodevelopmental Disabilities from a Single Healthcare System

Scott M. Myers, MD, Juliann Savatt, MS, CGC, Thomas Challman, MD, Michelle Nixon, PhD, Alexander Berry, PhD, Alicia Johns, PhD, Lauren Walsh, MA, Christa Martin, David Ledbetter

3:36 PM - 3:42 PM ET

F4: Non-Invasive Measurement of Work of Breathing in Children and Young Adults with High-Level Cerebral Palsy

Alice Taylor, Wade Shrader, MD, Tariq Rahman, PhD, Arianna Trionfo, MD, Thomas H. Shaffer, PhD, Jason J. Howard, MD

3:45 PM - 3:51 PM ET

F5: Interdisciplinary Virtual Therapy Program to Promote Oral Feeding in Toddlers with Feeding Tubes and Tracheostomies

Sarah A. Sobotka, MD, MSCP, Karen Dilfer, MS, OTR/L, Erika Meier, MPH, RD, CSP, LDN, Julia Sadowski, MA, CCC-SLP, CNT, CLC

3:52 PM - 3:58 PM ET

F6: Malnutrition and Functional Severity in Children with Cerebral Palsy in Addis Ababa, Ethiopia

Selamenesh Tsige Legas, MD, Hans Forsberg, PhD, Amha mekasha', MD, Ayalew Moges, MD

3:59 PM - 4:05 PM ET

F7: Barriers and Facilitators Affecting AAC Service Delivery For Children with Neurodevelopmental Disabilities in Federally Sponsored Early Intervention

Deirdre Galvin-McLaughlin, MS, Gladys Bockelman, Jana M. Iverson, Ph.D.

4:06 PM - 4:12 PM ET

F8: Caregiver Perspectives of “Club chAT,” a Community-Based AAC Program Across Developmental Stages: A Qualitative Study

Helen L. Long, PhD, CCC-SLP, Valerie Kessler, MA, CCC-SLP, Erin Maglio, MA, CCC-SLP, Julia Stanfield, BS

Free Paper Session G: Getting Therapeutic Interventions Right

Room: Salon C-D

3:15 PM - 3:21 PM ET

G1: Motor Learning Emerges After a Single Bimanual Training Session, but Functional Gains Require Intensive Therapy in Unilateral Cerebral Palsy

Swati M. Surkar, PT, PhD, Tanner Hallgren, DPT, Shailesh S. Gardas, PT, PhD

3:22 PM - 3:28 PM ET

G2: Comparing Traditional and Virtual Reality Versions of Hand-Arm Bimanual Intensive Therapy in Children with Unilateral Cerebral Palsy

Andrea B. B. Cunha, PhD, Elizabeth Fortin, DPT, Ryan Thomas, Sandra L. Willett, PT, PhD, PCS, Swati M. Surkar, PT, PhD, James Gehringer, PhD

3:29 PM - 3:35 PM ET

G3: Youth With Cerebral Palsy Get RIPT (Resistance Intensive Personal Training): The Effectiveness of Community-Based Power Training on Goal Performance, Muscle Strength, and Rapid Force Production

Simon G. Marchinko, Karin Eldred, MSc, Benjamin Norman, MSc, Candice Natrasony, BMR(PT), Lesley Pritchard, PhD, Elizabeth G. Condliffe, MD

MONDAY

Program and Events – Monday, September 28, 2026

3:36 PM - 3:42 PM ET

G4: Functional Gains Following Evidence-Based Strength and Power Physical Therapy for Children with Neuromotor Conditions

Kelly R. Greve, PT, DPT, PhD, Madison A. Meyers, PT, DPT, Michael D. Clay, PT, DPT, CSCS, Emma M. Austing

3:52 PM - 3:58 PM ET

G6: A Randomized Controlled Trial Using a Novel, 3D Printed Dynamic Upper Extremity Orthosis (DUEO) For Children with Cerebral Palsy and Severe Involvement

Alice Chu, Janelle Lenzo Werner, Katelyn Prais, Caitlin Finnegan, Debra Sala, Donghyun Lee

3:59 PM - 4:05 PM ET

G7: What Therapists Measure and What They Deliver: A National Therapists Survey for Children with Cerebral Palsy in Indonesia

Suci A. Nazier, Elizabeth Maus, PT, Sara Tafone, DPT, Jill Heathcock, MPT, PhD

4:06 PM - 4:12 PM ET

G8: Active Start Active Future 2: A Randomised Controlled Trial of a Behaviour-Change Intervention to Reduce Sedentary Behaviour and Promote Physical Activity in Young Children with Cerebral Palsy

Gaela N. Kilgour, PhD, Sarah E. Reedman, PhD, PT, Sjaan N. Gomersall, PhD, Stewart N. Trost, PhD, Roslyn N. Boyd, Leanne N. Sakzewski, PhD

Free Paper Session H: Translating Evidence into Practice

Room: Salon I-J

3:15 PM - 3:21 PM ET

H1: Accelerating Acceptance: Ride-on-Toy-Based Training vs. Traditional Therapy for Children with Upper Extremity Motor Asymmetry

Madeline Jakubowski, BS, Ashley Guillot, BS, Akshitha Chaganti, Keerit Grewal, Maya Allen, Zaria Jarvis, Sara Yumiseba, Rachel Silverman, Patrick Kumavor, PhD, Sudha M. Srinivasan, PT, PhD

3:22 PM - 3:28 PM ET

H2: Identifying Barriers and Collaborative Solutions to Implementing CIMT in Mexico

Heather Roberts, PhD, OT, Gabriela Granados Garcia, OT, Vanessa Hunt, OTS, Amy Sitabkhan, OTD, OTR, Angela Shierk, PhD, OTR

3:29 PM - 3:35 PM ET

H3: Implementation of Early Detection of Cerebral Palsy Across Ireland - 2 year Results of a Country-Wide Initiative

Nathalie L. Maitre, MD, PhD, Brian H. Walsh, MD, PhD

3:36 PM - 3:42 PM ET

H4: Cerebral Palsy in a Rural Medical Home Model: A Retrospective Cohort Study of a Multispecialty Interdisciplinary Clinic's Implementation of the 2017 Australian Hip Surveillance Protocol

Anne Aldrich, PT, DPT, PCS, Connor P. Kelley, PhD, MPH, Sydney Rice, MD, MS, Francisco Valencia

MONDAY

Program and Events – Monday, September 28, 2026

3:45 PM - 3:51 PM ET

H5: Assessing the Readiness and Feasibility to Implement the BRIGHT Coaching Program in Canada

Tatiana Ogourtsova, PhD, Monica Vaillancourt, PhD, Annette Majnemer, PhD, Carrie Costello, BFA, Samantha Noyek, PhD, Kristy Wittmeier, PhD, Jillian H. Filliter, PhD, Maureen O'Donnell, PhD, André Bussi eres, PhD

3:52 PM - 3:58 PM ET

H6: Closing the Evidence–Practice Gap: State-of-the-Art Knowledge Translation to Transform Early Intervention Training

Iona Novak, PhD, Catherine Morgan, PhD, PT, Lynda M. McNamara, PhD, BPhy (Hons), Jill D. Massey, Amy Jones, Astrid Ferreira, PhD, Amanda Khamis, PhD, Judy M. Williamson, MA, Nadia Badawi, AM, PhD, Jane Berry, OT, MSc Paediatric OT

3:59 PM - 4:05 PM ET

H7: Understanding Mental Health Diagnosis Rates and Referral Practices for Youth With Cerebral Palsy

Nicole M. Enlow, PhD, Amanda M. Lewis, MPH, Nicole Laird, MSW, Sarah Swartz, MSW, Wade Shrader, MD, Paul Enlow, PhD

4:06 PM - 4:12 PM ET

H8: Diagnostic Accuracy of General Movements Assessment, Hammersmith Infant Neurological Examination and Neuroimaging For Predicting Cerebral Palsy in HighRisk Infants Within a Tertiary Clinical Setting

Kathleen E. Zibell, MBBS, Christine Olesch, PhD, Sabine Hennel, FRACP, Monika Hasnat, FRACP, Karen Foreman, Nghi Whelan, Charlene Braybrook, Ella Barry, Ai Lynn Wong, FRACP

Free Paper Session I: Enhancing Ambulation in Cerebral Palsy–Orthopedic Management

Room: Salon K-L

3:15 PM - 3:21 PM ET

I1: The treatment Panorama of Foot and Ankle Deformities in 4446 Children with Cerebral Palsy in Sweden: A Cross-Sectional Registry Study

Georgios Apostolidis, Elisabet Rodby-Bousquet, Erika Cloudt, Eva Brostr om, Evgenia Manousaki, MD

3:22 PM - 3:28 PM ET

I2: Sagittal Ankle Power After Equinus Correction Surgery in Patients with Hemiplegic Cerebral Palsy

Robert Wimberly, MD, Elizabeth Bunkell, PT, Kelly A. Jeans, MSc

3:29 PM - 3:35 PM ET

I3: Comparative Outcomes of Pes Planovalgus Surgical Correction in Ambulatory Children with Cerebral Palsy

Felipe Malagon, MD, Chris Church, MPT, Jose J. Salazar-Torres, PhD, Nancy Lennon, DPT, MS, PT, Wade Shrader, MD, Freeman Miller, MD, Arianna Trionfo, MD

3:36 PM - 3:42 PM ET

I4: How Does Surgical Management of the Impaired Leg Impact the Contralateral Leg in Hemiplegic Cerebral Palsy?

Robert Wimberly, MD, Elizabeth Bunkell, BS, Kelly A. Jeans, MSc, Victoria Blackwood, MS

3:45 PM - 3:51 PM ET

I5: Does Multi-Level Surgery Weaken Muscles in Ambulatory Youth with Cerebral Palsy?

Hannah Scott, BS, Stephanie Butler, DPT, Jose J. Salazar-Torres, PhD, Chris Church, MPT, Jason J. Howard, MD, Wade Shrader, MD, Nancy Lennon, DPT, MS, PT

MONDAY

Program and Events – Monday, September 28, 2026

3:52 PM - 3:58 PM ET

I6: Surgery and Casting Outcomes in Children with Idiopathic Toe Walking: A Prospective Multicenter Study

Jeremy P. Bauer, MD, Susan E. Sienko, PhD, Jon R. Davids, MD, Mark L. McMulkin, PhD, Bruce A. MacWilliams, PhD

3:59 PM - 4:05 PM ET

I7: Physical Therapy Dose across Settings after Multi-level Surgery (MLS) in Youth with Cerebral Palsy (CP): One Year after Surgery

Max Downey, Brittany A. Virgil, PT, DPT, Stephanie Butler, DPT, Daveda Taylor, DPT, Faith R. Kalisperis, DPT, Chris Church, MPT, Alice Taylor, Wade Shrader, MD, Jose J. Salazar-Torres, PhD, Nancy Lennon, DPT, MS, PT

4:06 PM - 4:12 PM ET

I8: Continuum of Physical Therapy Care During the Year Following Multi-Level Surgery for Youth with Cerebral Palsy

Brittany A. Virgil, PT, DPT

Free Paper Session J: Community Participation and Life Transitions

Room: Franklin Hall 1

3:15 PM - 3:21 PM ET

J1: Lifelong Community through Better Transitions: Patient and Caregiver Voices Guiding a Multidisciplinary, Multicentre Transition Clinic

Hedva Chiu, MD, FRCPC, Michelle Larin, MSc, Anna M. McCormick, MD, FRCPC, Tara Previl, MSc(OT), Hana F. Alazem, MD, FRCPC

3:22 PM - 3:28 PM ET

J2: Supporting Life Transitions for Individuals with Cerebral Palsy: A Qualitative Analysis of Community-Identified Needs and Strategies

Vanessa Hunt, OTS, Heather Roberts, PhD, OT, Daralyn K. Fulton, MS, Fabiola I. Reyes, MD, Bridget M. Dayton, BSN, RN, CPN, Kevin Wright, Puji Jonnalagadda, MD, Treva Smith, OTR, Sheila Maldonado, BSN, RN, Angela Shierk, PhD, OTR

3:29 PM - 3:35 PM ET

J3: Relationships Between Health Outcomes, Environmental Factors, and Participation in Home, School, and Community Life Among Children with Multiple Sclerosis

Paul Y. Yoo, PhD, OT, Auva Zarandi, Marcia Finlayson, PhD, OT, Ann Yeh, MD

3:36 PM - 3:42 PM ET

J4: Foundations for Lifelong Participation: Early Intensive Group Physical Therapy Camps for Young Children With Neuromotor Disorders

Meaghan Rubsam, PT, DPT, PCS, PhD (candidate), Crystal Caravia, PT, DPT, Juliana Libertin, PT, DPT, PCS

3:45 PM - 3:51 PM ET

J5: Rooted in Connection: Role of Biopsychosocial Factors in Participation Frequency of Children with Cerebral Palsy at Home, School and Community

Amy F. Bailes, PT PhD, Tess Guzman, BS, Kelly R. Greve, PT, DPT, PhD, Jilda N. Vargus-Adams, MD MSc, Alexis Mitelpunkt, MD, Surbhi Bhatnagar, PhD, Bruce J. Aronow, PhD, Nanhua Zhang, PhD, Brad G. Kurowski, MD, MS, MBA

Program and Events – Monday, September 28, 2026

3:52 PM - 3:58 PM ET

J6: Participation Among Children with Cerebral Palsy as Measured by Parent Report Using the Pediatric Measure of Participation

Nicole M. Gerhardt, OTD, OTR/L, MJ Mulcahey, PhD, Maclain Capron, MPH, Max Downey, Wade Shrader, MD

3:59 PM - 4:05 PM ET

J7: Parent-Delivered Early Intervention via Remote Coaching: Effects of Small Step 2.0 on Motor and Cognitive Outcomes in Infants at Risk of Cerebral Palsy

Josefin Löwing, PT, Josefin Löwing, PT, Kristina Löwing, PhD, PT, Maria Örtqvist, PhD, PT, Ferdinand von Walden, MD, PhD, Ann-Christin Eliasson, Associate prof, PhD, OT

4:06 PM - 4:12 PM ET

J8: Beyond Bedtime: Characterizing Sleep-Fatigue Dynamics in Children with Developmental Disabilities

Kavya Iyer, BS, Richard D. Stevenson, MD, Vydia Permashwar, MD, FAAP, Brittany Howell, PhD, Stephanie C. DeLuca, PhD

4:30 PM – 5:30 PM ET

Education Sessions 21–30

EDU21: Disentangling Intellectual Disability, Cortical Visual Impairment, and Autism in Cerebral Palsy: A Case-Forward Diagnostic Reasoning Lab

Elizabeth Barkoudah, MD, Rajapillai L. I. Pillai, MD, PhD, Anna Jesus, MD

Room: Conf Room 407-409

Learning Objectives:

1. Differentiate overlapping clinical features of intellectual disability, cortical visual impairment, and autism spectrum disorder in children with cerebral palsy.

2. Identify common diagnostic pitfalls that lead to misattribution of behaviors across neurodevelopmental conditions in cerebral palsy.
3. Apply a structured, case-based interdisciplinary framework to clarify diagnosis in complex neurodevelopmental presentations.
4. Select targeted evaluation strategies that improve diagnostic precision and guide therapy planning.
5. Translate diagnostic distinctions into functionally meaningful, family-centered care recommendations across disciplines.

EDU22: Stronger Together: Multidisciplinary Psychosocial Support for Kids with Cerebral Palsy and Their Families

Nicole M. Enlow, PhD, Nicole Laird, MSW, Jana Teagle, MS, CTRS, CCLS, CBIS, Sarah Swartz, MSW
Room: Salon A-B

Learning Objectives:

1. Upon completion, participants will be able to identify the key psychosocial care team members and their role in supporting patients and families with cerebral palsy.
2. Upon completion, participants will be able to describe the importance of pre-operative preparation and development of coping strategies to assist in post-operative success.
3. Upon completion, participants will be able to identify three benefits of interdisciplinary collaboration in assisting families of children with cerebral palsy in their medical journey.
4. Upon completion, participants will be able to primary stressors of children with CP and their families prior to MLS surgery and during a prolonged inpatient hospitalization for acute rehabilitation post-operatively.

Program and Events – Monday, September 28, 2026

5. Upon completion, participants will be able to identify support provided by key psychosocial care team members during transition to community setting (Home, School, Outpatient Therapy, Work).

EDU23: Implementation Considerations and Toolkit for Establishing an Evidence-Based Rural High-Risk Infant Follow-Up Program

Gavin Colquitt, EdD, Nathalie L. Maitre, MD, PhD
Room: Salon C-D

Learning Objectives:

1. Describe core components of evidence-based high-risk infant follow-up in rural settings.
2. Identify key implementation considerations for launching a community-based HRIF program modeled on Growing Well.
3. Apply standardized workflow and communication tools to strengthen NICU-to-community care transitions.
4. Demonstrate strategies for interdisciplinary collaboration among pediatricians, neonatologists, therapists, and early intervention providers.
5. Integrate evidence-based surveillance and early detection practices into local rural follow-up systems.

EDU24: Multidisciplinary Advocacy That Moves Policy: A Case Study in Advancing Equitable Access to Spasticity Treatment

Andrea Stoesz, Mark Gormley, Jr., MD, John Coughlan, Micah Niermann, MD
Room: Salon K-L

Learning Objectives:

1. Upon completion, participant will be able to describe the World Health Organization Essential Medicines Lists process and key decisionmaking criteria, using the 2025 baclofen application as a realworld case study.

2. Upon completion, participant will be able to identify the distinct and complementary roles of clinicians, researchers, global disability organizations, and people with lived experience in successfully influencing global health policy.
3. Upon completion, participant will be able to apply practical strategies for translating clinical evidence and outcomes data into compelling, equityfocused policy arguments relevant to government and multilateral health agencies.
4. Upon completion, participant will be able to develop an outline for a multidisciplinary advocacy coalition that integrates lived experience, prioritizes equity, and reflects global and low and middleincome country perspectives.
5. Upon completion, participant will be able to evaluate challenges and facilitators in global health advocacy and select actionable approaches to overcome barriers in participants' own clinical, research, or organizational contexts.

EDU25: Interesting Cases in Multidisciplinary Developmental Motor Delay Evaluation Clinics

Michael J. Peterson, MA, CCC-SLP, Marcie Ward, MD, Cristina Brea, MD, Sarah Lock, MS, PT, DPT, PCS, Therese M. O'Bright, PT, Jennifer de la Rosa, OTR/L

Room: Franklin Hall 1

Learning Objectives:

1. Describe clinical signs of early motor delay and Cerebral Palsy
2. Identify standardized assessment tools used in early diagnostics
3. Describe decision making roles within a multidisciplinary motor delay clinic and how collaboration improves diagnostics and intervention planning.

Program and Events – Monday, September 28, 2026

4. Apply early detection care pathway in variable circumstances in community-facing multidisciplinary motor delay clinics
5. Explore various referral pathways needed based on examination and family needs

EDU26: Supporting Mobility and Development: Evidence-Based Use of Body-Weight Support Harness Systems in Children with Motor Impairments

Ellen N. Sutter, PT, DPT, PhD, Heather A. Feldner, PT, MPT, PhD, PCS, Laura A. Prosser, PT, PhD, Jana M. Iverson, Ph.D.

Room: Salon I-J

Learning Objectives:

1. Describe the current evidence supporting body-weight support training for the development of mobility skills
2. Compare the strengths and limitations of different types of body-weight support systems
3. Discuss motor rehabilitation strategies to use during body-weight support training
4. Explore the potential impact of body-weight support training on overall development, including exploration and communication
5. Identify future directions for researchers and therapists to include body-weight support training in work with children with motor impairments

EDU27: Redefining Early Problem Solving as an Emergent, Embodied, Multi-System Developmental Process: Implications for Assessment and Early Intervention

Andrea B. B. Cunha, PhD, Iryna Babik, PhD, Regina T. Harbourne, PhD, Stacey C. Dusing, PT, PhD, FAPTA, Michele A. Lobo, PhD

Room: Franklin Hall 2

Learning Objectives:

1. Upon completion of this symposium, participants will be able to define early problem-solving and explain its emergence through sensorimotor exploration and feedback.
2. Upon completion of this symposium, participants will be able to describe how atypical trajectories restructure rather than just delay problem-solving pathways.
3. Upon completion of this symposium, participants will be able to apply a multi-system model to understand motor, cognitive, and motivational interactions during development.
4. Upon completion of this symposium, participants will be able to identify assessment tools for evaluating problem-solving in children with motor delays.
5. Upon completion of this symposium, participants will be to identify intervention approaches that provide problem-solving practice in early intervention settings.

EDU28: Policy Spotlight: National Issues Impacting the CP Community

Heather RM Riordan, MD, Cynthia Frisina, BA, MA, Maureen van Stone, JD, MS, Ralph Nitkin, Ph.D

Room: Franklin Hall 3

Learning Objectives:

1. Name 10 federal level policy issues and/or changes affecting people living with CP.
2. Discuss key facts associated with these issues, as they related to people living with CP, in a non-partisan platform.

Program and Events – Monday, September 28, 2026

MONDAY

3. Discuss key facts associated with these issues, as they related to people living with CP, in a non-partisan platform.
4. Appraise the impact of key issues on the lives of people living with CP.
5. Prioritize 1 topic they would like to include in their life or work.

EDU29: Laying the Foundation: Consent in Pediatric Neuromodulation Research

Veronika Mak, MSc, Cynthia Brown. Dodds, PhD, PT, PCS, Bernadette T. Gillick, PT, MSPT, PhD, Arun M. Karumattu Manattu, PhD

Room: Franklin Hall 4

Learning Objectives:

1. assess comprehensive and complete consent procedures.
2. recognize potential consent barriers which prevent opportunities for research participation.
3. Create consent documents and related materials for optimizing clarity and language accessibility and understanding.
4. identify strategies for building effective family-research communication
5. develop effective, efficient, and informational consent processes

EDU30: Patient and Family Voices: Reflections on Identifying Priorities for Treatment in Cerebral Palsy and the Influence on Shared Decision Making

Jean L. Stout, PT, PhD, Steven Koop, MD, Elizabeth R. Boyer, PhD, Sandra C. Tierney, PhD, MSSW

Room: Franklin Hall 13

Learning Objectives:

1. Describe the collaborative nature of a shared decision-making model and how a provider can impact the evolution of participation from parent/caregiver to patient over the course of time.

2. Identify one or more insights that may help empower families in the pre-school years to be advocates for their child in making informed decisions.
3. Discuss the nature of parent/caregiver and child priorities during childhood and how this influences decisions about interventions.
4. Discuss the conflicting nature of parent/ caregiver and child priorities during adolescence and how this influences decisions about interventions.
5. Identify three characteristics that patients and families seek from providers as they establish priorities for treatment.

6:30 PM – 8:00 PM ET

Special Interest Groups (SIGs)

Program and Events – Tuesday, September 29, 2026

7:00 AM - 8:00 AM ET

Coffee Break (in the Exhibit Hall)

Room: Franklin Hall B

8:00 AM – 9:30 AM ET

General Session

Room: Salon E-H

9:30 AM – 10:30 AM ET

Coffee Break & Exhibit/Poster Review

(Odd numbered posters)

Room: Franklin Hall B

10:30 AM – 11:30 AM ET

Education Sessions 31–40

EDU31: Play Can't Wait: How ON Time Mobility and Communication Open Doors to Participation

Julie L. Feuerstein, PhD, CCC-SLP, Jennifer Tucker, PT, DPT, PhD, Deirdre Galvin-McLaughlin, MS, Bethany Sloane, PT, DPT, PhD, PCS, Heather A. Feldner, PT, MPT, PhD, PCS

Room: Salon A-B

Learning Objectives:

1. Describe the evidence supporting time mobility and communication for young children with MC.
2. Name two strategies for providing access to ON Time mobility and communication for young children with MC.
3. Identify interdisciplinary strategies that integrate ON Time mobility and communication to support participation.
4. List system-level barriers and facilitators to ON Time access in pediatric rehabilitation.
5. Discuss ON Time access to mobility and communication as a human right essential to play and participation for young children with medical complexities.

EDU32: Orthopedic Aspects of Duchenne Muscular Dystrophy: Implications for Surveillance and Treatment in the Era of Newer Steroid and Gene-based Therapies

Jason J. Howard, MD, Christina Herrero, MD, Jordan Sheriko, MD

Room: Salon C-D

Learning Objectives:

1. Describe the genetic basis and role of dystrophin
2. Describe the current evidence for the use of steroids and gene-based treatments, in particular their impact on improvements in gross motor function
3. Describe the epidemiology and treatment of scoliosis, including the role of steroids and gene-based treatments on prevalence and surgical outcomes.
4. Describe the epidemiology and treatment of lower extremity and hip deformities, including the role of steroids and gene-based treatments on prevalence and surgical outcomes.
5. Describe the evaluation and treatment of gait function and how it has been impacted by steroids and gene-based treatments.

EDU33: Can Transcutaneous Spinal Cord Stimulation Benefit Children with CP or SCI?

Susan V. Duff, EdD, MPT, OT/L, CHT, Mary Jane 'MJ' Mulcahey, PhD, OTR/L, CPPC, CLCP, FASIA, Chet T. Moritz, PhD

Room: Salon I-J

Learning Objectives:

1. Upon completion, participants will be able to describe the basic neurophysiology of transcutaneous spinal cord stimulation (tSCS).
2. Upon completion, participants will be able to describe training programs used in combination with tSCS.

Program and Events – Tuesday, September 29, 2026

3. Upon completion, participants will be able to list key measures useful to assess the outcomes from training programs combined with tSCS.
4. Upon completion, participants will be able to describe how to set up electrodes and stimulation unit parameters for tSCS.
5. Upon completion, participants will be able to describe the considerations for use of tSCS in combination with training programs for children.

EDU34: Interrupting Microaggressions: Empowering Healthcare Professionals to Address Ableism

Sara Liegel, MD, Lauren Fetso, DO, Melissa Villegas, MD

Room: Conf Room 407-409

Learning Objectives:

1. Define microaggressions and describe their impact on the mental health and healthcare experiences of people with disabilities.
2. Identify common forms of ableist microaggressions occurring in clinical, academic, and professional settings.
3. Demonstrate the use of at least one evidence-based framework to interrupt microaggressions as a bystander or upstander.
4. Apply intervention strategies through role-play scenarios involving microaggressions toward patients, colleagues, or oneself.
5. Describe the importance of disability representation in healthcare and academia for improving patient care and reducing health disparities.

EDU35: Idiopathic Toe Walking: An Evidence-Based, Multidisciplinary Approach to Diagnosis and Treatment

Jeremy P. Bauer, MD, Susan E. Sienko, PhD, Jon R. Davids, MD, Amanda Stoltz, PT, DPT

Room: Salon K-L

Learning Objectives:

1. Describe the natural history of idiopathic toe walking
2. Apply the Toe Walking Tool to differentiate ITW from other neurologic and musculoskeletal conditions
3. Formulate an evidence-based treatment plan for children with ITW
4. Interpret quantitative gait analysis (QGA) to diagnose ITW and differentiate ITW from other disorders
5. Describe emerging whole genome sequencing findings in idiopathic toe walking and discuss their potential implications for disease mechanisms, prognosis, and future clinical decision-making

EDU36: Optimizing Functional Mobility in Adults with Cerebral Palsy: A Multidisciplinary Approach Using Instrumented Gait Analysis

Jennifer Jezequel, DPT, Bridget A. Assip, DPT, Dara Jones, MD, Paulo Selber, MD, FSBOT, FRACS, David M. Scher, MD

Room: Franklin Hall 1

Learning Objectives:

1. Describe gait pathology in adults with CP with an emphasis on factors that are likely contributing to changes in functional mobility.
2. Demonstrate the importance of instrumented gait analysis in clinical decision-making in adults with CP.
3. Identify key considerations when making treatment recommendations in the adult with CP.

Program and Events – Tuesday, September 29, 2026

4. Discuss current treatment philosophies for improving the functional mobility and quality of life in adults with CP.
5. Discuss the role of a multidisciplinary team approach along the trajectory of care when indicating interventions to improve functional mobility in adults with CP.

EDU37: Recognizing Gait Pattern in Children with Spastic Cerebral Palsy – A Video-Based Perspective

Inti Vanmechelen, Kristina Andersson, Edwin Råsberg, Evgenia Manousaki, MD

Room: Franklin Hall 2

Learning Objectives:

1. understand the importance of a standardised system to describe gait of children with S-CP
2. be familiar with commonly observed gait patterns of children with S-CP
3. use reliable descriptions to categorize gait of children with S-CP from video observations
4. define the role of gait patterns in guiding clinical reasoning in children with S-CP
5. understand the importance of a common language to describe to enhance communication between professionals, caregivers and the children

EDU38: Use of Standardized Outcome Assessments in Children with Neurogenetic Conditions: Bridging Established Frameworks in Cerebral Palsy and Neurogenetic Natural History Studies

Julie M. Orlando, PT, PhD, Samuel R. Pierce, PT, PhD, Kristin Cunningham

Room: Franklin Hall 3

Learning Objectives:

1. Describe the evolution of genetic testing and its impact on diagnostic frameworks for childhood-onset motor disorders.

2. Identify standardized outcome measures across gross motor, fine motor, cognitive, and behavioral domains that are applicable to children with neurogenetic conditions.
3. Explain the role of natural history studies in understanding variability and progression within specific neurogenetic diagnoses.
4. Interpret key psychometric properties (e.g., reliability, validity, responsiveness) of commonly used outcome measures when applied to neurogenetic populations.
5. Apply principles of outcome measure selection and interpretation to clinical and research scenarios involving children with neurogenetic conditions.

EDU39: The Toileting Team: Interdisciplinary Pathways to Independent Neurogenic Bowel Management in Children and Adolescents

Carly d. Rosenthal, MS, OTR/L, Paul Enlow, PhD, Rochelle Haas, MD, Eileen Shieh, MD, Alice Hoffman, RN, APN, FNP C, PNP BC

Room: Franklin Hall 4

Learning Objectives:

1. describe the evidence based, stepwise clinical pathways for pediatric neurogenic bowel management, including indications for escalation and referral for advanced interventions.
2. identify the distinct and complementary roles of the interdisciplinary team in promoting social continence and functional independence in children and adolescents with spina bifida.
3. Utilize practical, take home tools to support consistent, family centered bowel management implementation in real world settings.
4. apply practical strategies to support efficient, developmentally appropriate toileting routines, including environmental modifications, positioning, task sequencing, and use of assistive technology.

Program and Events – Tuesday, September 29, 2026

5. incorporate executive functioning and psychosocial supports that improve adherence to neurogenic bowel management and support autonomy and self management.

EDU40: Promoting Physical Activity through childhood: An International Perspective on Interventions Designed to Increase Physical Activity in Children with Cerebral Palsy and Their Families

Sarah E. Reedman, PhD, PT, Roslyn N. Boyd, Ferdinand von Walden, MD, PhD

Room: Franklin Hall 13

Learning Objectives:

1. Upon completion, Participants will describe the evidence supporting physical activity focused interventions
2. Upon completion, Participants will describe the importance of parent motivation for their own Physical Activity and support for a family focused approach
3. Upon completion, Participants will discuss sustained participation in physical activity, guided by health behaviour change principles and motivational interviewing
4. Upon completion, Participants will understand the content of physical activity-focused interventions and how to match strategies to barriers
5. Upon completion, Participants will develop practical solutions to support participation in PA across ages, disabilities, contexts and environments including Frame-running, Active Start and Participate-CP programs.

11:30 AM – 12:45 PM ET

AACPDM Business Meeting

Room: Salon E-H

12:45 PM – 1:45 PM ET

Free Paper Sessions K-O

Free Paper Session K: Neuroscience of Cerebral Palsy

Room: Salon A-B

12:45 PM - 12:51 PM ET

K1: Concordance of Kidokoro MRI Scores in Very Preterm Infants at 30 and 40 Postmenstrual Weeks

Linda Bonezzi, Tommaso N. Biagioni, Simona N. Fiori, Kerstin Pannek, PhD, Roslyn N. Boyd

12:52 PM - 12:58 PM ET

K2: Advancing the Science of Early Detection: Linking Corticospinal Biomarkers to HINE Scores in Infants with Perinatal Brain Injury

Kellie M. Collins, PT, DPT, PCS, Cameron P. Casey, PhD, Jose M. Guerrero Gonzalez, PhD, Arun M. Karumattu Manattu, PhD, Jens Eickhoff, PhD, Ryan M. McAdams, MD, Raghavendra Rao, MD, Michael K. Georgieff, MD, Bernadette T. Gillick, PT, MSPT, PhD

12:59 PM - 1:05 PM ET

K3: Predictive Value of Kidokoro MRI Scores at 30 and 40 Postmenstrual Weeks for Neurodevelopmental Outcomes in Very Preterm Infants.

Linda Bonezzi, Tommaso N. Biagioni, Kerstin Pannek, PhD, Simona N. Fiori, Roslyn N. Boyd

1:06 PM - 1:12 PM ET

K4: Test-Retest Reliability of Automated Structural MRI Assessments in Children with Bilateral Cerebral Palsy and White Matter Injury

Srijan Velamuri, Eric M. Chin, MD

Program and Events – Tuesday, September 29, 2026

1:15 PM - 1:21 PM ET

K5: Distinct Sensorimotor Cortical Oscillatory Signatures Across Youth with Unilateral and Bilateral Cerebral Palsy



Gayle G. Arnold Award Finalist



Promising Career Award Finalist

Owais A. Khan, PhD, Sarah Baker, MS, Elizabeth Heinrichs-Graham, PhD, Rachel Spooner, PhD, Tony W. Wilson, PhD, Max J. Kurz, PhD

1:22 PM - 1:28 PM ET

K6: Mirror Movement and Neuroplastic Re-organization of Motor Cortical Lateralization in Children with Unilateral Cerebral Palsy



Gayle G. Arnold Award Finalist



Promising Career Award Finalist



Southern Family Cerebral Palsy Center Best Adult Paper Award Finalist



Complex Care Early Career Award Finalist

Behnam Ghabel Damirchi, Ph.D. Candidate, Alireza Vaysi, Ph.D. Candidate, Regan Christian, M.A., Fernando Acosta, Jr., MD, Brooke Kimbrell, MD, Warren A. Marks, MD, Sadra Shahdadian, Ph.D., Christos Papadelis, Ph.D.

1:29 PM - 1:35 PM ET

K7: Differentiating the Cortical Dynamics of Persons with Cerebral Palsy Categorized as Clinical Responders and Non-responders to Gait Training

Max J. Kurz, PhD, Elizabeth Heinrichs-Graham, PhD, Kimberley S. Scott, PT, PhD, Rachel Spooner, PhD, Brad Corr, PhD, Katie Bemis, DPT, Owais A. Khan, PhD, Tony W. Wilson, PhD

1:36 PM - 1:42 PM ET

K8: Metabolite Profile in Thalamus and Occipital Cortex in Youths with Cerebral Visual Impairment

Chan-Mi Kim, Marie Drottar, Corinna M. Bauer, Ph.D.

Free Paper Session L: Body Systems: Challenges & Solutions

Room: Salon C-D

12:45 PM - 12:51 PM ET

L1: Sustained Healthcare Utilization Despite Equivalent Surgical Outcomes in Neuromuscular Versus Idiopathic Scoliosis Following Posterior Spinal Fusion: A Propensity-Score Matched Study

Soroush Baghdadi, MD, Christopher D. Hamad, Timothy Liu, Joshua Wiener, Autreen Golzar, Al Hassan Dajani, BS, William Sheppard, Jr., Mauricio Silva

12:52 PM - 12:58 PM ET

L2: Fracture Risk in Children With Spastic Cerebral Palsy: A Subtype Comparison

Idan Segal, MD, Yasmin Zoabi, MD, Barak Rinat, MD, Haim Bassan, MD

12:59 PM - 1:05 PM ET

L3: Examining the Relationship Between Fracture Incidence and Spasticity in Children and Adolescents with Cerebral Palsy

Kellen T. Krajewski, PhD, Sayan De, MD, Jason T. Rhodes, MD, Manouk Manoukian, Jessica L. Stockhausen, David R. Howell, PhD, Patrick Carry, PhD

1:06 PM - 1:12 PM ET

L4: Bisphosphonate Monitoring and Treatment Practices in Pediatric Neuromuscular Conditions: A Survey of US Bone Health Clinicians


Heidi H. Kecskemethy, MS ED, RDN, CBDT, Julia Gray, MS, Laura L. Owens, MD


TUESDAY

Program and Events – Tuesday, September 29, 2026

1:15 PM - 1:21 PM ET

L5: Comparing Incidence of Urinary Retention Following Ventral Dorsal Rhizotomy and Selective Dorsal Rhizotomy in Patients with Cerebral Palsy


 *Gayle G. Arnold Award Finalist*

 *Promising Career Award Finalist*


Supreet L. Deshpande, MD, Alex Tin, Caroline Gormley, DO, Mark Gormley, Jr., MD, Peter D. Kim, M.D., Debbie Song, M.D., Patrick Graupman, MD


1:22 PM - 1:28 PM ET

L6: Prevalence of Sleep Disorders and Associated Factors in Children with Cerebral Palsy in Tikur Anbessa Hospital Neurology and Developmental clinic, Addis Ababa, Ethiopia; A Cross-Sectional Study

 *Gayle G. Arnold Award Finalist*

 *Promising Career Award Finalist*

 *Southern Family Cerebral Palsy Center Best Adult Paper Award Finalist*

 *Complex Care Early Career Award Finalist*

Atsede Teklehaimanot Teklehaimanot Legesse, Kalkidan Mekuanint

1:29 PM - 1:35 PM ET

L7: Early Experience with a Comprehensive Preoperative Health Assessment and Shared Decision-Making Helps Identify Children at High-risk of Postoperative Complications

Juliana Mariani, MD, Margaret Sullivan, Shanika De Silva, PhD, Richard D. Goldstein, MD, Elizabeth D. Blume, MD, Rachel L. DiFazio, PhD, RN, PPCNP-BC, FAAN, Jay Berry, MD, MPH, John Emans, MD, Daniel Hedequist, MD

1:36 PM - 1:42 PM ET

L8: Differences in Bone Mineral Density Response to Bisphosphonate Treatment by Stage in Puberty in Children with Cerebral Palsy

Laura L. Owens, MD, Chanelle Adjei, Heidi H. Kecskemethy, MS ED, RDN, CBDT

Free Paper Session M: Orthopedic-Hip & Spine

Room: Salon I-J

12:45 PM - 12:51 PM ET

M1: Comparison of Proximal and Distal Femoral Derotational Osteotomy in Children with Cerebral Palsy

Reiko Hara, PhD, Susan Rethlefsen, DPT, Alyssa Ponrartana, Nerissa A. Chin, Tishya A. L. Wren, PhD, Robert M. Kay, MD

12:52 PM - 12:58 PM ET

M2: Proximal Femoral Guided Growth at Hardware Removal After Hip Reconstruction in Pediatric Neuromuscular Hip Dysplasia Achieves Improved Maintenance of Hip Stability: A Retrospective Cohort Pilot Study

Ophir Segal, MD, Paige Warner, Mehdi Elflilali, Emily Da Cruz, Mia O'Connell, Nikki Bainton, RN, Joshua E. Hyman, MD

12:59 PM - 1:05 PM ET

M3: More Alike Than Different? Neuromuscular Hip Reconstruction in Patients with Cerebral Palsy and Leukodystrophy

Colby M. Freeman, Barbara Serafim, B. David D. Horn, MD, David A. Spiegel, MD, Keith D. Baldwin, MD, MPH, MSPT, Christine M. Goodbody, MD, MBE

Program and Events – Tuesday, September 29, 2026

1:06 PM - 1:12 PM ET

M4: Concomitant Open Reduction Does Not Improve Outcomes in Patients Undergoing Osseous Reconstruction for Severe Hip Dysplasia Secondary to Cerebral Palsy: A Radiographic & Clinical Comparative Analysis

Kelly Dopke, Richard Campbell, James D. Bomar, MPH, [Rachel Thompson, MD](#)

1:15 PM - 1:21 PM ET

M5: Defining Risk of Complications and Reoperation Following Posterior Spinal Fusion for Pediatric Patients with Spinal Muscular Atrophy

[Julian Smith-Voudouris, MS](#), Katie M. Zehner, BS, Joshua G. Sanchez, BA, Ally Yang, MD, Jonathan N. Grauer, MD, David B. Frumberg, MD

1:22 PM - 1:28 PM ET

M6: Risk Factors for Screw ‘Grow-off’ After Proximal Femoral Hemiepiphyodesis in Children with Neuromuscular Hip Dysplasia

Colby M. Freeman, Barbara Serafim, Monika Thothadri, Keith D. Baldwin, MD, MPH, MSPT, B. David D. Horn, MD, David A. Spiegel, MD, [Christine M. Goodbody, MD, MBE](#)

1:29 PM - 1:35 PM ET

M7: IONM In Neuromuscular Scoliosis: Feasibility, Obstacles, Outcomes and Resolution

[Terrence Ishmael, MBBS](#), Joshua Pahys, MD, Steven Hwang, Suken A. Shah, MD, Jaysson Brooks, MD, Peter Newton, Amer Samdani, MD

1:36 PM - 1:42 PM ET

M8: Pelvic Fixation Is Associated With Increased Postoperative Complications in Neuromuscular Scoliosis: A Propensity Score-Matched Analysis


[Soroush Baghdadi, MD](#), Christopher D. Hamad, Timothy Liu, Autreen Golzar, Joshua Wiener, Al Hassan Dajani, BS, William Sheppard, Jr., Mauricio Silva

Free Paper Session N: Advances in Gait and Mobility

Room: Salon K-L

12:45 PM - 12:51 PM ET


N1: Short-Burst Interval Treadmill Training in Cerebral Palsy: Parent Reported Outcomes

 *Gayle G. Arnold Award Finalist*

[Kristie F. Bjornson, PT, PhD](#), Noelle G. Moreau, PhD, PT, Joel Licea, PhD, Neil Panlasigiu, Lara Diener, Chuan Zhou, PhD, Philip M. Hurvitz, PhD

12:52 PM - 12:58 PM ET


N2: Short-Burst Interval Locomotor Treadmill Training (SBLTT) in Cerebral Palsy: a Randomized Clinical Trial

 *Gayle G. Arnold Award Finalist*

[Noelle G. Moreau, PhD, PT](#), [Kristie F. Bjornson, PT, PhD](#), Joel Licea, PhD, Neil Panlasigiu, Lara Diener, Abhinandan Batra, PhD, PT, MA, Chuan Zhou, PhD

12:59 PM - 1:05 PM ET

N3: Home & Community Walking Activity: Power Training with Interval Treadmill Training (PT3)


 *Gayle G. Arnold Award Finalist*

[Kristie F. Bjornson, PT, PhD](#), Joel Licea, PhD, Donald Mercante, PhD, Philip M. Hurvitz, PhD, Noelle G. Moreau, PhD, PT

Program and Events – Tuesday, September 29, 2026

1:06 PM - 1:12 PM ET


N4: Frame Running Training For Youth with Cerebral Palsy and Similar Neurodisabilities: A Multicentre Randomized, Waitlist Controlled Trial of Fitness, Fatigue and Mobility Outcomes

 *Gayle G. Arnold Award Finalist*

Sarah E. Reedman, PhD, PT, Ellen Armstrong, PhD, PT, Stina Oftedal, PhD, Matthew Ahmadi, PhD, Andrea N. Burgess, Syed Afroz Keramat, PhD, Iain Dutia, PhD, PT, Dayna Pool, PhD, PT, Tamara Blake, PhD, Leanne Sakzewski, PhD, OT

1:15 PM - 1:21 PM ET

N5: Validity of the Gait Outcomes Assessment List as a Measure of Gait Function in Children with Cerebral Palsy

 *Gayle G. Arnold Award Finalist*

Patrick Curran, MD, Heather Waters, DPT, Christine Amacker, DPT, Riley Horn, Martins Amechi, MS, Rachel Thompson, MD, Hank G. Chambers, MD, John Collins

1:22 PM - 1:28 PM ET

N6: Gait Analysis Interpretation Reliability: Preliminary Results from a Multi-Center Study

Alison M. Hanson, MSPT, OCS, Eva Ciccodicola, PT, PCS, Jean L. Stout, PT, PhD, Susan Rethlefsen, DPT, Adriana Liang, MS, Tishya A. L. Wren, PhD, Oussama Abousamra, MD, Robert M. Kay, MD, Jacquelyn Valenzuela-Moss, MPH

1:29 PM - 1:35 PM ET

N7: Pressure-Time Integral as a Marker of Fatigue and Compensatory Gait in Pediatric Foot Deformities

Smitha E. Mathew, MBBS, Joseph Harrington, MS, David C. Kingston, PhD

1:36 PM - 1:42 PM ET

N8: Real-World Fall Incidence and Characterization of Falls in Ambulatory Children with Cerebral Palsy: A Prospective Cohort Study


Elizabeth R. Boyer, PhD, Jennifer A. Nelson, DPT

Free Paper Session O: Epidemiology in Disabilities

Room: Franklin Hall 1

12:45 PM - 12:51 PM ET

O1: Utilizing the Childhood Opportunity Index to Evaluate Health Opportunity for Individuals with Cerebral Palsy

 *Gayle G. Arnold Award Finalist*

Joline E. Brandenburg, MD, Stephen Wisniewski, PhD, Laurie Glader, MD, Tanya S. Kenkre, PhD, MPH, PhD, MPH, Christopher F. Joseph, DPT, Kristie F. Bjornson, PT, PhD, Mary E. Gannotti, PhD, PT, Duncan O. Wyeth, MA


12:52 PM - 12:58 PM ET

O2: Tracking Motor Development Until Five Years of Age in Preterm Infants: Insights from a Belgium National Follow-Up Program

Nele De Bruyn, Loic D'Haene, MA, Christine Van den Broeck, PhD, Gunnar Nauelaers, PhD, Nathalie De Beukelaer, PhD

12:59 PM - 1:05 PM ET

O3: Characteristics of People with Cerebral Palsy Across the United States

 *Southern Family Cerebral Palsy Center Best Adult Paper Award Finalist*

Bhooma R. Aravamuthan, MD, DPhil, FAAN, FCNS, Joyce P. Trost, PT, PhD, Patrick G. McPhee, PhD, Stephen Wisniewski, PhD, Paul H. Gross, BA

Program and Events – Tuesday, September 29, 2026

1:06 PM - 1:12 PM ET

O4: Innovating Systems of Care: Integrated Medical and Behavioural Services for Children with Complex Neurodevelopmental and Medical Needs

Renee Baysarowich, MSc, Sarah Raza, PhD, Jessica Remedios, M.Ads, R.B.A (Ont.), BCBA, Nicholas Denomey, MPH, M.Ed., Lauren Frankovitch, Jason Groen, Jamian Logue, BA, Taylor Johansen, MHA, Priyanka Dixit, M.D., FRCPC, Helly Goez, M.D., FRCPC

1:15 PM - 1:21 PM ET

O5: Legislation meets the OR: Opioid Stewardship in Pediatric Hip and Spine Surgery

Ellen Tahmasyan, B.S., Abigail Padilla, BS, Robert M. Kay, MD

1:22 PM - 1:28 PM ET

O6: Identifying High-Impact Opportunities for the Prevention of Cerebral Palsy Using A Multi-Metric Network Framework

Robert J. Reynolds, MS MPH PhD PStat, Steven Day, PhD, Shona Goldsmith, Gija Rackauskaite, PhD, Sandra Julsen Hollung, PhD, Kate Himmelmann, MD, PhD, associate professor, Nadia Badawi, AM, PhD, Bo Jacobsson, Sarah Mcintyre, PhD MPS BAppSc (OT) Hons, Bernard Dan, MD, PhD

1:29 PM - 1:35 PM ET

O7: Ideal versus Actual School-Based Physiotherapy Practice in Israel: A National Survey

Nilly Waiserberg, PT, PhD, Michal Katz-Leurer, PT, MPH, PhD, Robert Palisano, ScD, Nava Gelkop

1:36 PM - 1:42 PM ET

O8: Prevalence of Deformational Plagiocephaly and Congenital Muscular Torticollis in a Medically Complex Cohort of Infants at 3-5 Months Corrected Age

Aneta M. Jedraszko, MPH, Alison Goetgeluck, PT, DPT, PCS, Lynn Boswell, PT, MS, Raye-Ann deRegnier, MD, Christa Christa, PT, DPT, PCS

1:45 PM – 2:15 PM ET

Coffee Break (in the Exhibit Hall)

Room: Franklin Hall B

2:15 PM – 3:15 PM ET

Education Sessions 41–50

EDU41: From Tropes to Truth: Co-Produced Media Narratives to Reduce Cerebral Palsy Stigma and Strengthen Lifelong Community

John Coughlan, Francesca Fedeli, DPT, Ashley H. Harris Whaley, MS, CCC-SLP, Alena Skinner

Room: Salon A-B

Learning Objectives:

1. Identify common CP media tropes and their likely effects on stigma and expectations.
2. Describe evidence linking disability representation to public attitudes and lived experience.
3. Apply a practical checklist for ethical, strengths-based, accessible representation.
4. Integrate co-production approaches with persons with lived experience into education and care delivery.
5. Design one actionable step to improve disability representation within their clinic, program, or institution.

Program and Events – Tuesday, September 29, 2026

EDU42: Comprehensive Care in Leukodystrophy: a Compassionate, Multidisciplinary Model for Promoting Advancements and Hope within Progressive Disease

Amy D. Hiller, DO, Elizabeth J. Lucas, MD, Margie A. Ream, MD, PhD, Megan Norris, PhD
Room: Salon I-J

Learning Objectives:

1. Identify key specialties to optimize care in leukodystrophy, applicable to degenerative diseases in general.
2. Describe the role of each subspecialty group within our care model.
3. Apply multidisciplinary communication techniques to patient care.
4. Describe screening and diagnostic tools as well as identify how to locate up-to-date information and emerging therapies.
5. List strategies to support patients outside of their medical home.

EDU43: Rooted in Community: Neighborhood Influences on Adults with Cerebral Palsy

Jensine Clark, MD, Brent Dylan Streibig, Lauren Fetsko, DO, Cristina M. Sanders, DO
Room: Conf Room 407-409

Learning Objectives:

1. Describe how neighborhood-level socioeconomic disadvantage is measured using the Area Deprivation Index (ADI) and why ADI is relevant to health and participation outcomes in adults with CP.
2. Recognize how vulnerability can present across the functional spectrum
3. Apply ADI information to clinical cases to identify risk for functional decline and to inform patient-specific care plans
4. Integrate perspectives from lived experience and rehabilitation medicine to better understand how community context influences access, participation, and care delivery for adults with cerebral palsy.

5. Utilize ADI-informed insights to support advocacy efforts at the individual, community, and policy levels aimed at improving equitable, lifespan-oriented care for persons with cerebral palsy.

EDU44: Shared Decision-Making using the GOAL questionnaire with Families Considering Selective Dorsal Rhizotomy: Priorities, Functional Assessment, & Responsiveness to Change

Michael T. Healy, MD, Unni G. Narayanan, MBBS, MSc, FRCS(C), Jean L. Stout, PT, PhD, Katie J. Walt, DPT

Room: Salon K-L

Learning Objectives:

1. Describe the unique nature of the GOAL Questionnaire and what it adds to functional outcome assessment.
2. Discuss how shared decision-making using the GOAL informs treatment planning
3. Identify key elements in a shared decision-making conversation between patient/family and providers.
4. Describe changes in family priorities and function as measured by the GOAL Questionnaire before and after selective dorsal rhizotomy
5. Discuss how direct knowledge of family priorities related to functional tasks can augment and direct treatment planning.

Program and Events – Tuesday, September 29, 2026

EDU45: Training and Mentoring of Treating Therapists across 15-Clinical Sites in an Evidence-based Intervention

Mary Rebekah Trucks, MS, OTR/L, Dory Wallace, Stephanie C. DeLuca, PhD, Amy Darragh, OT, Sharon Landesman Ramey, PhD, Jill Heathcock, MPT, PhD

Room: Franklin Hall 13

Learning Objectives:

1. Participants will be able to define differences between training and mentoring experiences and how these impact implementation of evidence based practices.
 2. Participants will learn from the experiences related to a phase 3 clinical trial about the implementation of treatment and how constructs such as treatment compliance and treatment fidelity differed.
 3. Participants will learn differing modalities for the delivery of training and mentoring and what therapists' preferences were.
 4. Participants will learn tips and tricks for interactive/hands on training processes.
 5. Participants will learn techniques to promote higher frequency and types of mentoring that support experiential learning.
2. Identify training components (onboarding tools, qualitative methods training, and PCORI Research Fundamentals modules) and explain how each component supports progression from onboarding to co-developing patient-centered research questions.
 3. Apply key qualitative research principles (e.g., structured reflection, theme development, consensus-building) to design community listening sessions that elicit actionable priorities for physical activity participation in youth with CP.
 4. Develop a site-specific implementation plan for launching a community partner group, including pacing/timeline, participant supports, safeguarding practices, and feedback loops to sustain engagement across settings.
 5. Select and adapt practical tools/ resources from the presented modules to train community members in research participation and to facilitate shared idea generation across stakeholders (families, clinicians, trainers, and organizations).

EDU46: Community Capacity Building to Support Physical Activity Participation in Youth with Cerebral Palsy

Katherine Dimitropoulou, Ph.D., MSPOR, OTR/L, Brian D. Wishart, DO, MMS, Mara M. Yale, Ph.D., GCFP, SEP

Room: Salon C-D

Learning Objectives:

1. Describe a replicable, capacity-building model that prepares parents, individuals with lived experience, community organization representatives, and clinicians to serve as effective research partners in CP physical activity research.
2. Describe evidence of skeletal muscle metabolic dysfunction in children with CP.
3. Summarize how systemic metabolism is altered in children and adults with CP.
4. Describe how proteins in the systemic circulation are altered in adults with CP.

EDU47: Metabolic Health in Children and Adults with Cerebral Palsy: Insights from Skeletal Muscle and Systemic Metabolism

Ferdinand von Walden, MD, PhD, Sebastian Edman, PhD, Oscar Horwath, Sudarshan Dayanidhi, PT, PhD, Mark Peterson, PhD, MS

Room: Franklin Hall 1

Learning Objectives:

1. Understand general mechanisms underlying pathophysiology of metabolic disorders.
2. Describe evidence of skeletal muscle metabolic dysfunction in children with CP.
3. Summarize how systemic metabolism is altered in children and adults with CP.
4. Describe how proteins in the systemic circulation are altered in adults with CP.

Program and Events – Tuesday, September 29, 2026

5. Appreciate the role of targeted exercise as medicine in preventing and counteracting metabolic dysfunction.

EDU48: 2026 Top 6 Articles in Developmental Disabilities

Kilby Mann, MD, Garey H. Noritz, MD, FAAP, FACP, Deanna Jewell, DO

Room: Franklin Hall 2

Learning Objectives:

1. describe recent publications and updates related to the care of children with CP and related disabilities
2. describe what is known and future directions related to current topics in the care of children with CP and related disabilities
3. critically review scientific literature and apply relevant advances to the care of children and adults with CP and related disabilities in their local settings
4. disseminate updates on the care of children and adults with CP and related disorders with local stakeholders (trainees, those with lived experience, communities, others)
5. appreciate the value of interdisciplinary discussion of recent publications and updates related to the care of children with CP and related disabilities

EDU49: Getting Serial Casting Right in Idiopathic Toe Walking: Indications, Techniques, and Pitfalls

Jeremy P. Bauer, MD, Elena Absalon, PT, DPT, Amanda Stoltz, PT, DPT

Room: Franklin Hall 3

Learning Objectives:

1. Summarize the current evidence supporting serial casting as a non-operative intervention for ITW
2. Apply evidence-based indications for serial casting using a treatment algorithm

3. Design a serial casting treatment plan integrated with orthoses and therapy
4. Demonstrate casting techniques associated with improved clinical outcomes
5. Identify common pitfalls and sources of treatment failure in serial casting for ITW and strategies to mitigate them

EDU50: Hyaluronidase treatment in botulinum toxin recalcitrant hypertonicity

Anton Dietzen, MD, William W. Ide, MD, FAAPMR

Room: Franklin Hall 4

Learning Objectives:

1. Explain the role of the extracellular matrix abnormal muscle tone in cerebral palsy.
2. Understand the extracellular matrix effect on botulinum toxin efficacy.
3. Define changes in hypertonic muscle after repeated exposure to botulinum toxin.
4. Define and the role of hyaluronidase treatment in management of hypertonicity.
5. Demonstrate understanding of the benefits and limitations of hyaluronidase pre-treatment in botulinum injections.

Program and Events – Tuesday, September 29, 2026

3:30 PM – 5:00 PM ET

General Session

Room: Salon E-H

5:00 PM – 5:30 PM ET

Movie Viewing (Disability Roadmap)

Room: Salon E-H

7:30 PM – 11:30 PM ET

Networking Celebration

Location: Liberty View Ballroom at the Independence Visitor Center

Join us at the Independence Visitor Center for this exciting AACPD signature event, where you can enjoy light Philadelphia-inspired hors d'oeuvres, dancing, and plenty of opportunities to connect with fellow Academy members and meeting attendees. Set in the heart of Philadelphia's Historic District, this stunning venue offers breathtaking views of Independence Mall and an unforgettable backdrop for an evening of celebration.

**Tickets will not be sold on-site.*

TUESDAY

Program and Events – Wednesday, September 30, 2026

7:00 AM - 8:00 AM ET

Coffee Break (in the Exhibit Hall)

Room: Franklin Hall B

8:00 AM – 9:00 AM ET

Education Sessions 51–60

EDU51: Optimising the Neuroplasticity Window: From Evidence to Early Cerebral Palsy Intervention

Iona Novak, PhD, Catherine Morgan, PhD

Room: Salon A-B

Learning Objectives:

1. Upon completion, participants will be able to describe current evidence underpinning early intervention during the neuroplasticity window in cerebral palsy.
2. Upon completion, participants will be able to recognise early CP phenotypes and prognostic trajectories using infant case examples.
3. Upon completion, participants will be able to apply a knowledge translation determinant framework to identify barriers to early intervention implementation.
4. Upon completion, participants will be able to select evidence-informed strategies to support contextually appropriate early intervention practice change.
5. Upon completion, participants will be able to demonstrate how eLearning and digital decision-support tools can enhance evidence-aligned clinical decision-making.

EDU52: From Detection to Dosing: Comprehensive Management of Knee Dysfunction in Cerebral Palsy

Christine Amacker, DPT, Vedant A. Kulkarni, MD, Jon R. Davids, MD, Hank G. Chambers, MD, Patrick Curran, MD

Room: Salon K-L

Learning Objectives:

1. Describe the biomechanical and neuromuscular mechanisms contributing to knee pathology in cerebral palsy.

2. Differentiate common sagittal gait patterns associated with knee dysfunction.
3. Identify clinical and kinematic features that signal progressive knee pathology.
4. Develop a practical knee surveillance framework for longitudinal assessment of knee function in ambulatory children with CP.
5. Apply evidence-based algorithms to select appropriate nonsurgical and surgical management strategies.

EDU53: A Power-Based Approach for Improving Walking Activity in Youth with Cerebral Palsy: Implementation into Practice

Noelle G. Moreau, PhD, PT, Kristie F. Bjornson, PT, PhD, Kelly R. Greve, PT, DPT, PhD

Room: Salon C-D

Learning Objectives:

1. Describe the background and theoretical basis of the PT³ protocol for improving walking activity in youth with CP
2. Describe the effects of PT³ on walking capacity and muscle performance
3. Describe the effects of PT³ on walking performance in real-world settings using accelerometry and GPS
4. Examine and apply the key dosing ingredients of the PT³ protocol to individual cases
5. Demonstrate clinical implementation of this novel combined power-based approach

EDU54: From Thought to Function: Non-invasive Pediatric Brain Computer Interface in Practice

Alicia Hilderley, PhD, Daniel Comaduran Marquez, PhD, Corinne Tuck, Melanie Tolensky, Adam Kirton, MD

Room: Franklin Hall 2

Learning Objectives:

1. Explain the basic concept of what a brain computer interface (BCI) is and how it works.
2. Explain the reasons why clinical BCI programs are needed for children with severe physical disabilities.
3. Plan how to integrate BCI into their practice.
4. Identify simple activities that can be adapted for BCI use.
5. Select outcomes to evaluate pediatric BCI use within their context.

EDU55: Top 10 Articles in Lifespan Care

Mary Schmidt, DO, Mary E. Gannotti, PhD,PT, Heidi Haapala, MD, Jensine Clark, MD, Kimberly K. Rauch, DO

Room: Franklin Hall 3

Learning Objectives:

1. Summarize key findings from recent high-impact research (2025) relevant to the physical health, mental health, and participation of adults with cerebral palsy and related disabilities.
2. Identify current evidence gaps and future research directions in lifespan and adult CP care.
3. Apply contemporary research findings to improve clinical decision-making and service delivery for adults with CP across healthcare and community settings.
4. Identify stakeholder priorities in lifespan and adult CP care.

5. Explore and implement effective dissemination and knowledge translation strategies to support uptake of adult CP research among clinicians, policymakers, and people with lived experience.

EDU56: The CPCHECKlist – The Utility of a Parent Reported Checklist of Comorbidities & Utilization of Health Technologies for Cerebral Palsy for Parents, Caregivers, Clinicians and Researchers

Unni G. Narayanan, MBBS, MSc, FRCS(C), Laurie Glader, MD, Carol M. Shrader, BA

Room: Salon I-J

Learning Objectives:

1. Describe the origins and validation of the Caregiver Priorities for Co-morbidities and Health Evaluation Checklist (CPCHECKlist).
2. Define the value of the CPCHECKlist for parents/caregivers and families of children with severe cerebral palsy (CP) and CP-like conditions associated with medical complexity.
3. Describe the clinical utility of the CPCHECKlist for shared decision-making and care-coordination of children with severe cerebral palsy (CP) and CP-like conditions associated with medical complexity.
4. Appreciate the research utility of the CPCHECKlist as a comprehensive and standardized tool to capture comorbidities and health status as important covariates in clinical outcomes research involving this population.
5. Provide feedback to the presenters about the new digital health application for the CPCHECKlist that will be used to inform the finalization of the app.

Program and Events – Wednesday, September 30, 2026

EDU57: The State of Bone Health: Emerging Science and Practical Care of Children with Neuromuscular Conditions

Laura L. Owens, MD, Virginia Kaperick, MD, Heidi H. Kecskemethy, MS ED, RDN, CBDT

Room: Franklin Hall 4

Learning Objectives:

1. Upon completion, participants will be able to discuss current literature pertaining to pediatric bone health assessment techniques.
2. Upon completion, participants will be able to discuss current literature pertaining to pediatric bone health nutritional topics.
3. Upon completion, participants will be able to discuss current literature pertaining to weight-bearing activity and bone health.
4. Upon completion, participants will be able to discuss current literature pertaining to pediatric bone health medication management.
5. Upon completion, participants will be able to formulate bone health management plans for future use.

EDU58: From Partnership to Practice: Co-Developing and Mobilizing Rehabilitation Recommendations for People with Lived and Professional Experience

Sarah Turgeon Desilets, Selamenesh Tsige Legas, Nithikaa Shashikanth, Luca Patuelli

Room: Franklin Hall 1

Learning Objectives:

1. Upon completion, participation will be able to describe the clinical features and rehabilitation needs of children and youth with arthrogyposis multiplex congenita (AMC).

2. Upon completion, participant will be able to explain the co-development process used to create consensus-based rehabilitation recommendations, including strategies for engaging clinicians, caregivers, and individuals with lived experience.
3. Upon completion, participant will be able to demonstrate how e-learning modules and tailored knowledge mobilization products can be used to disseminate rehabilitation recommendations to key audiences.
4. Upon completion, participant will be able to identify practical strategies to sustain interdisciplinary collaboration and engagement across geographic locations in rare disease research and guideline implementation.
5. Upon completion, participant will be able to apply principles of co-development to integrate lived experience into research, guideline development, and knowledge translation for rare conditions.

EDU59: Learning by Watching, Growing Together: Peer Modeling, Participation, and Lifelong Community for Children and Young Adults with Cerebral Palsy

Scott Scott Matthews, MS, Katherine Higgins, Nury Lambert, Courtenay Higgins, Sarah Colaanni, Farryl Fishman

Room: Conf Room 407-409

Learning Objectives:

1. Describe how the lived experiences of individuals with CP and their families evolve across key life transitions from birth through adulthood.
2. Identify the role of lifelong community, peer relationships, and social participation in supporting motivation, identity, and functional outcomes for individuals with CP.

Program and Events – Wednesday, September 30, 2026

3. Explain the benefits of participation-focused, family-centered, and group-based approaches for pediatric rehabilitation.
4. Recognize barriers and facilitators to continuity of care during transitions from birth to young adulthood (e.g., early intervention to school-age services, adolescence to adulthood).
5. Apply insights from lived experiences to inform clinical decision-making and advocacy for community-based pediatric rehabilitation services.

EDU60: How to Modernize Care of Cerebral Palsy by Providing Contemporary Surgical Options and Comprehensive Multi-Disciplinary Care

Rebecca Siegel, MD, Natalie Limoges, DO, Julia A. Shah, MD

Room: Franklin Hall 13

Learning Objectives:

1. understand current surgical options for treating patients with CP
2. understand utility of CP-child to measure quality of life pre and post surgical intervention
3. be able to apply this to your home institution
4. learn how to set up multidisciplinary clinic
5. review pit-falls with growth of spasticity program and how to overcome these

9:00 AM – 9:15 AM ET

Coffee Break (in the Exhibit Hall)

Room: Salon E-H

9:15 AM – 10:15 AM ET

Free Paper Sessions P-T

Free Paper Session P: Neurological Interventions- CP

Room: Salon A-B

9:15 AM - 9:21 AM ET

P1: Suppressed Visual Cortex Activation in Children with Unilateral Cerebral Palsy

Alireza Vaysi, M.Sc., Sadra Shahdadian, Ph.D., Yanlong Song, Regan Christian, Fernando Acosta, Jr., MD, Warren A. Marks, MD, Brooke Kimbrell, MD, Christos Papadelis, Ph.D.

9:22 AM - 9:28 AM ET

P2: Cortical Deposits and Developmental Trajectories of Brain Iron Relate to Gait Adaptability in Youth with Cerebral Palsy

Owais A. Khan, PhD, Rachel Spooner, PhD, Gaelle E. Doucet, PhD, Tony W. Wilson, PhD, Max J. Kurz, PhD

9:29 AM - 9:35 AM ET

P3: Achievement of Personalized, Previously Impossible Goals by Children with Severe Quadriplegic Cerebral Palsy Using Brain-Computer Interface

Holly Hnatiuk, Danette Rowley, Alison Barnfather, Alicia Hilderley, PhD, Nicole Ruest, Vella Kim, Daniel Comaduran Marquez, PhD, Eli Kinney-Lang, Adam Kirton, MD

9:36 AM - 9:42 AM ET

P4: Specificity of Training Effects of a Power-Based Training Program on Medial Gastrocnemius Muscle Architecture and Performance in Youth with Cerebral Palsy

 *Gayle G. Arnold Award Finalist*

Noelle G. Moreau, PhD, PT, Joel Licea, PhD, Kristie F. Bjornson, PT, PhD, Donald Mercante, PhD

Program and Events – Wednesday, September 30, 2026

9:45 AM - 9:51 AM ET

P5: Remote Ischemic Conditioning Mitigates BDNF Val66Met-Related Constraints on Upper Extremity Function Following Intensive Bimanual Training in Children with Unilateral Cerebral Palsy

Swati M. Surkar, PT, PhD, Shailesh S. Gardas, PT, PhD, Keerthana Surabhi, MS, Weihua Huang, PhD, Erzsebet Sztatmari, PhD

9:52 AM - 9:58 AM ET

P6: Robotic Exoskeleton Gait Training Impacts Cerebellar Oscillatory Dynamics Serving Motor Learning in Adults with Cerebral Palsy

Max J. Kurz, PhD, Elizabeth Heinrichs-Graham, PhD, Kimberley S. Scott, PT, PhD, Brad Corr, PhD, Katie Bemis, DPT, Morgan Busboom, PhD, Katherine L. Scalzo, BA, Rachel Spooner, PhD, Tony W. Wilson, PhD

9:59 AM - 10:05 AM ET

P7: Steering Affected Arm Use: Ride-on-Toy-Based Training vs. Conventional Therapy for Children with Hemiplegia

Madeline Jakubowski, BS, Ashley Guillot, BS, Hannah Cronin, Sarah Folmann, Meghan Gagnier, Vivian London, Mia Cardoso, Patrick Kumavor, PhD, Sudha M. Srinivasan, PT, PhD

10:06 AM - 10:12 AM ET

P8: Altered Cortical Dynamics during Gait are Coupled to Control of the Trunk Biomechanics in Adolescents with Cerebral Palsy

Logan T. White, MS, Sarah Baker, MS, Elizabeth Heinrichs-Graham, PhD, Owais A. Khan, PhD, Tony W. Wilson, PhD, Max J. Kurz, PhD

Free Paper Session Q: Early Intervention in Cerebral Palsy

Room: Salon C-D

9:15 AM - 9:21 AM ET

Q1: Comparing the Efficacy of 2 Physical Therapy Interventions for 7-24 months with or at risk for Cerebral Palsy

Stacey C. Dusing, PT, PhD, FAPTA, Regina T. Harbourne, PhD, Sandra L. Willett, PT, PhD, PCS, Andrea B. B. Cunha, PhD, Christine Spence, PhD, Lorey A. Wheeler, PhD, Christiana D. Butera, PhD, Barbara Sargent, PhD, Lin-Ya Hsu, PhD, Douglas Vanderbilt

9:22 AM - 9:28 AM ET

Q2: Comparisons between the Modified Intention-to-Treat and Per Protocol samples from the I-ACQUIRE Trial

Stephanie C. DeLuca, PhD, Mary Rebekah Trucks, MS, OTR/L, Dorian Wallace, OTR/L, Craig T. Ramey, PhD, Amy Darragh, OT, Jill Heathcock, MPT, PhD, Renee Martin, Mark R. Conaway, PhD, Warren Lo, MD, Sharon Landesman Ramey, PhD

9:29 AM - 9:35 AM ET

Q3: Parental Mental Health and Self-Efficacy in Primary Carers of Infants born Very Preterm

Alicia Jane Spittle, PhD, MPhysio, BPhysio, Stacey C. Dusing, PT, PhD, FAPTA, Karli Treyvaud, Alannah Rudkin, MS, Gillian Henty, Susan M. Fehring, MPT, Beth Kozaris, Peter Anderson, Abbey L. Eeles, PhD

9:36 AM - 9:42 AM ET

Q4: Infants Moving for Rewards: Reinforcing Biceps Activation After Brachial Plexus Birth Injury

Susan V. Duff, EdD, MPT, OT/L, CHT, Barbara Sargent, PhD, Jamie Berggren, OTR/L, Pete Pidcoe, PT, DPT, PhD, Eric Wade, PhD, Benjamin Leiby, Jason J. Kutch, PhD, Milan Stevanovic, MD

Program and Events – Wednesday, September 30, 2026

9:45 AM - 9:51 AM ET

Q5: Longitudinal Development and Acquisition of Prone Mobility in Infants With and Without Risk For Cerebral Palsy.

Thubi H. Kolobe, PhD, Shirley A. James, PhD, Julie A. Skorup, PT, DPT, Mustafa Ghazi, PhD, Victoria Wells, Andrew H. Fagg, PhD

9:52 AM - 9:58 AM ET

Q6: Toddlers with Cerebral Palsy Pay a High Cost For Falling During Motor Practice

Julie A. Skorup, PT, DPT, Laura A. Prosser, PT, PhD, Athylia C. Paremski, BA, Morgan M. Alcott, PT, DPT

9:59 AM - 10:05 AM ET

Q7: Optimal therapy onset and best responders to Hand and Arm Bimanual Intensive Therapy - Including Lower Extremities (HABIT-ILE) in infants with unilateral cerebral palsy

Astrid Carton de Tournai, Enimie Herman, PT, Daniela Ebner-Karestinos, PhD, Estelle Gathy, PT, Rodrigo Araneda, PhD, Anne Renders, Célia De Clerck, PT, Seyma Kilcioglu, Yves Vandermeeren, Yannick Bleyenheuft, PhD

10:06 AM - 10:12 AM ET

Q8: Changes in Mobility, Exploration & Developmental Abilities in Response to Motor Based Problem Solving Intervention With Or Without DBWS in Twins with HIBCH Deficiency: A Single Subject Research Study

Nia I. Mensah, PT, DPT, PhD, PCS, Radhika Attal, PT, MPT, Jinseok Oh, Beth A. Smith, PT, DPT, PhD, Stacey C. Dusing, PT, PhD, FAPTA

Free Paper Session R: LifeSpan/Health/Wellness in CP

Room: Salon I-J

9:15 AM - 9:21 AM ET

R1: Multidimensional Impacts of Chronic Pain and Associated Risk Factors in Self-reporting Adults with Cerebral Palsy: A Community Registry Study



Promising Career Award Finalist



Southern Family Cerebral Palsy Center Best Adult Paper Award Finalist



Complex Care Early Career Award Finalist

Eric M. Chin, MD, Elizabeth R. Boyer, PhD, Cristina A. Sarmiento, MD, Prasanna Chaudhary, Edward A. Hurvitz, MD, Linda E. Krach, MD, Stephen Wisniewski, PhD, Mary E. Gannotti, PhD, PT

9:22 AM - 9:28 AM ET

R2: Impact of Self-Reported Fatigue on Walking Capacity in Adults With Cerebral Palsy

Alice Bonnefoy-Mazure, Nawale Hadouiri, Anne Tabard-Fougere, PhD, Oscar Vazquez, MD, Geraldo De Coulon, MD, Stéphane Armand

9:29 AM - 9:35 AM ET

R3: Short-term Impact of Remote Group Cognitive Behavioral Therapy for Chronic Pain for Adults with Cerebral Palsy and Chronic Pain

Eric M. Chin, MD, Paul J. Salib, BS, Stacey Shumaker, Lara L. Collender, LCSW-C, Heather RM Riordan, MD, Claudia Campbell, PhD

9:36 AM - 9:42 AM ET

R4: Definitions, Supports, and Barriers to Optimal Aging: A Qualitative Study of Older Adults With Cerebral Palsy

Anne B. Edwards, Ph.D., Mary E. Gannotti, PhD, PT, Garey H. Noritz, MD, FAAP, FACP, Duncan O. Wyeth, MA, Anne Rader, MPH

Program and Events – Wednesday, September 30, 2026

9:45 AM - 9:51 AM ET

R5: Correlates of Health-Related Quality of Life Among Adults With Cerebral Palsy: Cross-Sectional Analysis of PROMIS®-29 Surveys

 Southern Family Cerebral Palsy Center Best Adult Paper Award Finalist

Mary E. Gannotti, PhD,PT, Elizabeth R. Boyer, PhD, Cristina A. Sarmiento, MD, Edward A. Hurvitz, MD, Linda E. Krach, MD, Eric M. Chin, MD, Prasanna Chaudhary, Stephen Wisniewski, PhD


9:52 AM - 9:58 AM ET

R6: Exploring the Link Between Full Time Employment, Education and Income in Adults with Cerebral Palsy

Sydney E. Buah, MPH, Paul J. Salib, BS, Harolyn ME Belcher, MD, Eric M. Chin, MD

9:59 AM - 10:05 AM ET

R7: Exploring The Lived Experience of Primary and Preventive Care for Adults with Cerebral Palsy: A Qualitative Study

 Gayle G. Arnold Award Finalist

 Promising Career Award Finalist

 Southern Family Cerebral Palsy Center Best Adult Paper Award Finalist

Cristina A. Sarmiento, MD, Chloe Glaros, MPH, MSW, Edward A. Hurvitz, MD, Megan Morris

10:06 AM - 10:12 AM ET

R8: Changes in Pain and Perceptions of Pain Treatments Among Adults With Cerebral Palsy: A Qualitative Analysis of Survey Responses in a Community Registry

Mary E. Gannotti, PhD,PT, Cristina A. Sarmiento, MD, Edward A. Hurvitz, MD, Linda E. Krach, MD, Elizabeth R. Boyer, PhD, Stephen Wisniewski, PhD, Eric M. Chin, MD, Prasanna Chaudhary

Free Paper Session S: Orthopedic Surveillance

Room: Salon K-L

9:22 AM - 9:28 AM ET

S2: Hip Dysplasia After Fetal Versus Postnatal Myelomeningocele Repair: A Retrospective Cohort Analysis

Kevin T. Schauer, MD, Jessica L. Stockhausen, Kellen T. Krajewski, PhD, Erika Valentine, Sayan De, MD

9:29 AM - 9:35 AM ET

S3: From Prompt to Practice: Validating a GenAI-Coded Web Tool for Democratizing Hip Surveillance in Resource-Limited Settings

Zhenkun Gu, Ningtao Ren, chen chen, Haoran Feng, Guibing Fu

9:36 AM - 9:42 AM ET

S4: Unrooting the Evidence: Learning Health Network Data Reveal Hip Surveillance Practices in Childhood Cerebral Palsy

Jilda Vargus-Adams, MD MSc, Kelly R. Greve, PT, DPT, PhD, Nathan M. Pajor, MD, Alka Chandel, Tess Guzman, BS, Amy F. Bailes, PT PhD, Surbhi Bhatnagar, PhD, Alexis Mitelpunkt, MD, Bruce J. Aronow, PhD, Brad G. Kurowski, MD, MS, MBA

9:45 AM - 9:51 AM ET

S5: The Key to Surveillance at the Knee? Fixed Knee Flexion Contracture Correlates Strongly with Flexed Knee Gait in Children with Spastic Diplegic Cerebral Palsy

Vedant A. Kulkarni, MD, Jon R. Davids, MD, Adam Graf, MS, Ross S. Chafetz, DPT, PhD, MPH

Program and Events – Wednesday, September 30, 2026

9:52 AM - 9:58 AM ET

S6: Radiographic Progression of Scoliosis After Triradiate Cartilage Closure in Non-Ambulatory Cerebral Palsy

Satoshi Takada, Jason J. Howard, MD, Hiroshi Taneichi, Ali Asma, MD, Alice Taylor, Brett Shannon, MD, Anuj Gupta, Wade Shrader, MD

9:59 AM - 10:05 AM ET

S7: Patient Reported Outcomes following treatment for Idiopathic Toe Walking

Susan E. Sienko, PhD, Mark L. McMulkin, PhD, Bruce A. MacWilliams, PhD, Jon R. Davids, MD, Jeremy P. Bauer, MD

10:06 AM - 10:12 AM ET

S8: Does Early Administration of Disease Modifying Therapy (DMT) Prevent Early Onset Scoliosis (EOS) in Young Children with Spinal Muscular Atrophy (SMA)

Hiroko Matsumoto, PhD, Yuri Ota, PhD, Thomas Coleman, BS, Lennert Plasschaert, MD MMSc, Joyce Huang, MPH, Amy Pasternak, PT, DPT, PCS, Allan M. Glanzman, DPT, PCS, Jason B. Anari, MD, Patrick Cahill, MD, Brian D. Snyder, MD/PhD

Free Paper Session T: Quantifying Function in CP

Room: Franklin Hall 1

9:15 AM - 9:21 AM ET

T1: Psychometric Characteristics of Pediatric Awareness and Sensory Motor Assessment for Children with Medical Complexity

Cynthia Brown, PhD, PT, PCS, Brooke Murenin, PhD, OTR/L, Everette Keller, MS

9:22 AM - 9:28 AM ET

T2: Reliability and Usability of the Gross Motor Functional Classification for Children with Arthrogryposis Multiplex Congenita (GMFC-AMC): A Pilot Study

Lauren C. Hyer, MD, Clarice Araujo, PhD, Noemi Dahan-Oliel, PhD, Jacob M. Bailey, MS, David E. Westberry, MD

9:29 AM - 9:35 AM ET

T3: Sensor-Enhanced Powered Mobility Intervention: Clinician Priorities and Development of a Novel Data Tracking Tool

Heather A. Feldner, PT, MPT, PhD, PCS, Alexander Johansson, Bethany Sloane, PT, DPT, PhD, PCS, Mia Onodera, Kimberly Ingraham, PhD

9:36 AM - 9:42 AM ET

T4: Predicting Distal Upper Extremity Motion Using Machine Learning in Healthy Individuals and Patients With Cerebral Palsy

Alice Chu, Shriyaus Lingam, Priyanka Mehta, Harshill Patel, BA, Stephen Macneille, BA, Roshan V. Patel, Amog Mysore

9:45 AM - 9:51 AM ET

T5: Correlation of Perceived Fatigue and Activity Measures with Performance Fatigability in Children with Cerebral Palsy

Jean L. Stout, PT, PhD, Tom F. Novacheck, MD, Laurent Bouyer, PhD

9:52 AM - 9:58 AM ET

T6: More than Motor: Exploring Sensory, Motor, and Occupational Outcomes in a Somatosensory-Enriched P-CIMT Camp: A Feasibility Study

Angela Rittler, Heather Roberts, PhD, OT

Program and Events – Wednesday, September 30, 2026

9:59 AM - 10:05 AM ET

T7: Measuring Differences in Upper Extremity Use Using Wrist Worn Accelerometers in Children with Hemiplegia During a Play-Based Training Program

Sudha M. Srinivasan, PT, PhD, Ashley Guillot, BS, Madeline Jakubowski, BS, Alexander Pappas, Hadja Diallo, Neha Samuel, Patrick Kumavor, PhD

10:06 AM - 10:12 AM ET

T8: Non-Linear Models for Predicting Prone Training Outcomes of Infants at Risk for Cerebral Palsy

Andrew H. Fagg, PhD, Farzana Tasnim, Shirley A. James, PT, PhD, Thubi H. Kolobe, PhD, Monique O. Shotande, PhD, Julie A. Skorup, PT, DPT, Morgan M. Alcott, PT, DPT, Stephanie O'Leary, PT, DPT, Beth A. Smith, PT, DPT, PhD, Laura A. Prosser, PT, PhD

10:30 AM – 11:30 AM ET

Education Sessions 61–70

EDU61: What Makes Physical Therapy Intensive? An Evidence-Based Redefinition and Framework for Pediatric Physical Therapy Practice

Meaghan Rubsam, PT, DPT, PCS, PhD (candidate), James B. Hedgecock, PT, DPT, PCS, Kelly R. Greve, PT, DPT, PhD, Dana B. Chole, PT, DPT, PCS, Jamie B. Hall, PT, DPT, PhD

Room: Salon A-B

Learning Objectives:

1. Define intensive pediatric physical therapy using a multidimensional, participation-centered framework grounded in current evidence and describe how intensity influences functional capacity, engagement, and participation outcomes across developmental stages.

2. Apply a structured, evidence-informed decision-making process to design individualized, goal-directed intensive therapy episodes that align therapeutic intensity with child abilities, contextual demands, and meaningful participation goals.
3. Differentiate therapeutic intensity from time-based dosing by analyzing workload, repetition, and task challenge, and identify strategies to optimize engagement, physiologic demand, and motor learning during intensive intervention.
4. Integrate child, family, and community priorities into evidence-based intensive intervention planning by synthesizing contextual factors, participation goals, and environmental supports across home, school, and community settings.
5. Evaluate intensive therapy programs for alignment with functional mobility, activity performance, and participation-based outcomes, and determine program effectiveness using standardized measures and meaningful participation indicators.

EDU62: Sialorrhea Management in Young People with Cerebral Palsy and Related Neurodevelopmental Disabilities: Balancing the Evidence and Shared Decision Making

Laurie Glader, MD, Amy Cutler, MS, OTR/L, Amy Hughes, MD, Lisa Letzkus, PhD RN CPNP-AC
Room: Salon I-J

Learning Objectives:

1. Describe key elements of sialorrhea assessment and history taking, including common symptoms
2. Name major interventions for sialorrhea from least to most invasive
3. Identify evidence-based pharmacologic agents for sialorrhea management

Program and Events – Wednesday, September 30, 2026

4. Recognize adverse effects of pharmacologic agents in the treatment of sialorrhea
5. List appropriate rationales for referral for more invasive treatment options for sialorrhea

EDU63: Movement Disorder Phenomenology

Linn Katus, DO, MSc, Heather RM Riordan, MD, Jennifer M. Bain, MD, PhD, FCNS

Room: Franklin Hall 3

Learning Objectives:

1. Describe key phenomenological features of common and uncommon movement disorders observed in patients with cerebral palsy and developmental disorders.
2. Differentiate among movement disorder phenomenologies based on clinical examination and observed features.
3. Generate an appropriate differential diagnosis informed by movement disorder phenomenology.
4. Identify clinical red flags that suggest the need for additional diagnostic evaluation or workup.
5. Consider potential treatment approaches guided by physical examination findings and movement disorder phenomenology.

EDU64: Practical Case Studies on Nutritional Assessment and Management in Children With Cerebral Palsy/ Neurological Impairment

Richard D. Stevenson, MD, Koen Huysentruyt, Gina R. Rempel, MD, FRCPC, FASPEN, Jessie M. Hulst, MD, PhD, Jodi Wolff, MS, RD, LD, FAND, FAACPDM, Sarah Vermilyea, MS, RD, CSP, LD, CNSC

Room: Salon K-L

Learning Objectives:

1. Upon completion, participant will be able to apply proposed guidelines for nutritional assessment and management of children with neurological impairment

2. Upon completion, participant will be able to apply an algorithm for the evaluation of nutritional status in children with neurological impairment
3. Upon completion, the participant will be able discuss and implement proposed guidelines for the diagnosis of malnutrition in children and youth with neurological impairments
4. Upon completion, the participant will be able to identify overweight/obesity in children and youth with neurological impairment
5. Upon the completion, the participant will be able to discuss important areas for future research related to nutrition, growth and health among children and youth with neurological impairment

EDU65: The Role of Adapted Physical Education/Activity: Improving Health, Wellness, and Quality of Life Outcomes for Children and Adults with Cerebral Palsy

Thomas E. Moran, Ph.D., CAPE, Gavin Colquitt, EdD, Christopher M. Modlesky, PhD

Room: Franklin Hall 4

Learning Objectives:

1. Describe the role of Adapted Physical Education (APE) and Adapted Physical Activity (APA) in improving health outcomes for children and adults with cerebral palsy across the lifespan.
2. Explain how participation-focused adapted physical activity contributes to mental health, psychosocial wellbeing, and quality-of-life outcomes for individuals with cerebral palsy and other developmental disabilities.

3. Identify evidencebased instructional strategies and inclusive practices used in APE and APA to reduce barriers and promote meaningful participation in educational, recreational, and community settings.
4. Analyze the importance of interdisciplinary collaboration among educators, therapists, families, and community partners in supporting sustained physical activity participation for children and adults with CP and other developmental disabilities.
5. Reflect on and apply personal and professional perspectives to inform participants' own approaches to designing, implementing, or advocating for inclusive APE and APA programs that support lifelong participation.

EDU66: Democratizing Early Detection and Intervention of Cerebral Palsy Through National and Global Implementation of a CP ECHO Model

Valerie Pieraccini, MS OTR, Rachel Byrne, PT, Mark Gormley, Jr., MD, Nathalie L. Maitre, MD, PhD

Room: Salon C-D

Learning Objectives:

1. Describe gaps in access to early detection and early intervention for cerebral palsy (CP), particularly within underserved communities.
2. Understand how the Project ECHO framework democratizes knowledge, expanding access to evidence based early detection and intervention practices for CP within communities.
3. Benefit from key lessons learned from implementing a CP-focused ECHO model within a national collaborative.
4. Gain practical strategies for developing and scaling a CP ECHO learning network to advance early detection and use of evidence based interventions in diverse communities.

5. Be excited about the vision of national and global CP learning communities.

EDU67: Multidisciplinary Management of Foot Deformities in Children with Spina Bifida

Patrick Curran, MD, Vedant A. Kulkarni, MD, Mark Katsma, DO

Room: Franklin Hall 2

Learning Objectives:

1. Describe the spectrum of foot deformities associated with spina bifida and their impact on function and orthotic management.
2. Identify key clinical and functional signs that warrant early intervention to prevent fixed deformities.
3. Differentiate conservative management options including casting and bracing from indications for surgical intervention.
4. Develop multidisciplinary care plans tailored to ambulatory goals and braceability in children with spina bifida.
5. Apply evidence informed decision making to select and sequence orthopaedic interventions for optimal outcomes.

EDU68: The Power of the Surgical Team: Evidence, Technique, and Team-Based Execution in Pediatric Orthopaedics

Arianna Trionfo, MD, Wade Shrader, MD, Brett Shannon, MD, Benjamin J. Shore, MD, MPH, FRCSC, Sarah Etshman

Room: Franklin Hall 1

Learning Objectives:

1. Describe the evidence supporting team-based surgical models in pediatric orthopaedics.
2. Explain the role of surgeon technique and collaboration in MLS.
3. Summarize current evidence for two-surgeon approaches in neuromuscular spine surgery.
4. Apply principles of team-based surgery to operative planning and execution.

Program and Events – Wednesday, September 30, 2026

5. Demonstrate coordinated, team-based techniques for distal femoral extension osteotomy and VDRO using sawbones models.

EDU69: Upper Extremity Surgical Care including Hyperselective Neurectomy in Patients with Cerebral Palsy and Childhood Acquired Neuromuscular Disability

Carley Vuillermin, MBBS MPH FRACS, M Claire Manske, MD

Room: Franklin Hall 13

Learning Objectives:

1. Understand the current assessment of the upper extremity for possible surgical care
2. Discuss traditional surgical treatments
3. Discuss the mechanism of hyperselective neurectomy
4. Understand the possible role hyperselective neurectomy may play in surgical care
5. Apply understanding to all patients

EDU70: Optimizing Post-Selective Dorsal Rhizotomy Rehabilitation: Translating Dosing Recommendations Into Real-World Clinical Care

Rachel L. Bican, PT, DPT, PhD, Kristen Blatt, DPT, Jessica Lewis, PT, DPT

Room: Conf Room 407-409

Learning Objectives:

1. Upon completion, participants will be able to summarize current post-selective dorsal rhizotomy (SDR) rehabilitation dosing recommendations.
2. Upon completion, participants will be able to describe real-world variability in post-SDR rehabilitation utilization using longitudinal weekly therapy dosing data across settings.

3. Upon completion, participants will be able to interpret functional trajectories following SDR using GMFM-66 outcomes across pre-operative and post-operative timepoints.
4. Upon completion, participants will be able to evaluate the limitations of using therapy minutes as a standalone metric for post-SDR rehabilitation effectiveness.
5. Upon completion, participants will be able to apply pragmatic, family-centered strategies to optimize post-SDR rehabilitation pathways in real-world clinical practice.

11:45 AM – 1:15 PM ET

Closing General Session

Room: Salon E-H

2:00 PM – 6:00 PM ET

Board of Directors Meeting

2:30 PM – 3:30 PM ET

Committee Meetings

Clinical Observation or Single Case Study Posters

CO01: Postural Plus: Early Rehabilitative Gains in Proximal Stability and Occupational Participation Following Multi-level Surgery in Youth with Cerebral Palsy

Allison Alexander OTD, OTR/L, Brittany Virgil PT, DPT, Danielle Stapleton PT, DPT, CBIS, Damara Viray PT, DPT, Carly Rosenthal MS, OTR/L, Laura Owens MD

CO02: Case Study of Somatosensory Deficits with Intact Selective Motor Control: The Contribution of Sensation to Hand Function in Pediatric Clinical Care

Amber Sheehan DHS, OTR/L, CBIS

CO03: Clinical Observations and Insight into a Dual Diagnosis of Spina Bifida and Cerebral Palsy: A Case Report and Proposed Approach

Lydia Singerman MD, Andrew McCoy MD, Michael Cellucci MD

CO04: Meaningful Neurologic Recovery After Cardiac Arrest and VA-ECMO Despite Extensive Central Nervous System Injury

Ana Ubeda Tikkanen MD, PhD, Ariane Osterwald MD, Benjamin Pixley

CO05: Steroids for Drug-Resistant Seizures and Prolonged Stroke-Like Episode in a Patient with Sturge-Weber Syndrome: A Case Report

Brenna Keam BS, Fabiola Morales-Vias MD, Siddharth Gupta MBBS, Doris Lin MD, PhD, Anne Comi MD

CO06: 24/7 Therapeutic Interventions for Upper Extremity Spasticity Management

Carmen McClelland

CO07: Adaptive Toy Reuse as a Key Strategy for On-Time Mobility and Rehabilitation in Children with Disabilities

Carolina Toro MD, Maria Alzate Areiza

CO08: Robotic-Assisted Upper Limb Rehabilitation in an Adult Patient with Mixed Cerebral Palsy and Recurrent Shoulder Luxation: A Case Report.

Celso Campos Sánchez, Mayra Estrella Piñón PhD

CO09: Multimodal Quantitative Magnetic Resonance Imaging to Identify White Matter Microstructure Changes in Neonatal Hypoxic Ischemic Encephalopathy

Chris Carchi BS, Jose Guerrero Gonzalez PhD, Arun Karumattu Manattu PhD, Cameron Casey PhD, Kellie Collins PT, DPT, PCS, Ryan McAdams MD, Raghavendra Rao MD, Michael Georgieff MD, Douglas Dean III PhD, Bernadette Gillick PT, MSPT, PhD

CO10: Surgical Decision-Making for Foot Deformities in Leukodystrophy: Lessons From a Case Study

Colby Freeman, Christine Goodbody MD, MBE

CO11: SDR and Anterior/Posterior Rhizotomy as a Method to Treat Resistant Hip Pain From Chronic Hip Dislocation in Persons With Cerebral Palsy

Christopher Keenan DO, Andrew McCoy MD, Joseph Vithayathil MD, Benjamin Kennedy MD, PhD, Alonzo Zea Vera MD, Melissa Cramer PA

CO12: Redefining the Role of Robotic-Assisted Ambulation in Adult Neuromuscular Care

Claire Manix-Cramer PT, DPT, Jessica Hubert

CO13: Pediatric Motor Assessment in an Infant with Agenesis of the Corpus Callosum: A Case Study

Élida Santos MS, Nadia Cristina Valentini, Carla de Almeida PhD

Clinical Observation or Single Case Study Posters

CO14: A case of Conservative Pain Management of Cervical Radiculopathy in an Adult With Spastic Quadriplegic Cerebral Palsy

Elisabeth Bates BSN, RN, MSN, CPNP-PC, Parth Thakkar MD, Samantha DiSalvo MD, Hana Azizi MD, MPH

CO15: Rehabilitation Medicine Management of a Patient With Rasmussen's Encephalitis

Elisabeth Bates BSN, RN, MSN, CPNP-PC, Samantha DiSalvo MD, Hana Azizi MD, MPH

CO16: Unanticipated Diagnosis in Genomic Testing for Neuromuscular Conditions: Li-Fraumeni Syndrome and Spinal Muscle Atrophy

Francisco Valencia, Maureen Kelly Galindo, Damian Galasso

CO17: Disuse Osteoporosis in Young, Ambulatory Children with Cerebral Palsy, a Case Series

Gregory Blazek MD, Stacey Hall DO, Helen Ding

CO18: Moderate Intensity Upper Limb Resistance Band Training Improves Neurophysiology in a Young Adult With Spastic Diplegic Cerebral Palsy: A Single Case Design Study

Hyunjoon Kim MS, Evan Yarnall BS, Claudio Ferre PhD

CO19: Effect of Femoral Anteversion Correction on Pelvic Tilt and Knee Flexion in a GMFCS I Cerebral Palsy Patient: A Clinical Observation With Gait Analysis

Alejandro De La Maza MD, Orthopedic Surgeon and Physiatrist, Ignacio de la Maza Pezo BS, Gonzalo Chorbajian Alonso MD

CO20: A Paradigm Shift in Hip Pain Management: A Case Report Comparing Isolated Femoral Anteversion Correction and Arthroscopic Labral Repair

Alejandro De La Maza MD, Orthopedic Surgeon and Physiatrist, Ignacio de la Maza Pezo BS, Gonzalo Chorbajian MD

CO21: Aging with Cerebral Palsy: Integrating Lived Experience, Physical Therapy, and Community Partnership

Jessica Silveira PT, DPT, PhD, Tanya Winters, Kelli Croll PT, MSPT, C/NDT, Damian Rodriguez PT, DPT, Gwendolyn Cariker PT, DPT, Victoria Polega BS

CO22: Quasi-Raynaud's Pain in Pediatric Amniotic Band Syndrome: A Functional Management Approach

LiAna Patterson, Kendall Hulk DO

CO23: An Unusual Pain Generator In a Nonverbal Young Adult With Cerebral Palsy – Inflammatory Arthritis

Lindsey Palm-Vlasak MD, PhD, Joline Brandenburg MD

CO24: Long-Term Evaluation of Surgical Outcomes in Adolescents with Charcot-Marie-Tooth: A Case Series

Marianne Gagnon, Shereen Sakkal, Louis-Nicolas Veilleux PhD, Reggie Hamdy MD

CO25: A Novel Casting Technique to Prevent or Treat Heel Pressure Ulcers in Patients with Neuromuscular Conditions Treated for Equinus Contractures

Morgan Roche BS, John Feliciano BOCO, Jenny He PA-C, Vanessa Hernandez PA-C, Alexa Karkenny MD, FAAOS, FAAP

CO26: Complex Reconstruction For Congenital Patellar Dislocation and Tibiofemoral Rotatory Instability in Trisomy 21

Patrick Curran MD, Amy Steele MD, Matthew Schmitz MD

CO27: A Case of Right Spastic Hemiparesis in the Setting of Sickle Cell Disease and Moyamoya Syndrome

Samantha DiSalvo MD, Elisabeth Bates BSN, RN, MSN, CPNP-PC, Hana Azizi MD, MPH

Clinical Observation or Single Case Study Posters

CO28: Following the Rehabilitation Care of a Child With a Rare Intradural Spinal Lipoma With Tethered Cord From Birth to Early Childhood

Samantha DiSalvo MD, Elisabeth Bates BSN, RN, MSN, CPNP-PC, Hana Azizi MD, MPH

CO29: Neurofeedback Intervention in Adult Spastic Cerebral Palsy: A Single Case Study

Sandra Karina Carnall LPC, A. Rand Coleman PhD

CO30: Lessons Learned from a Split Belt Treadmill Pilot Program for Youth with Hemiplegia

Katlyn Billups, Trish Turlington BSc, PT, Joan Carney EdD, Teressa Garcia Reidy

CO31: Early Intensive Therapy for Infants at High Risk for Cerebral Palsy: A Case Series

Katlyn Billups, Taylor Pennell, Teressa Garcia Reidy, Vera Joanna Burton, Courtney Stant, Joan Carney EdD

Demonstration Posters

DP01: The CareCircle App - Where Care Comes Together

Alecia Daunter MD, Brittany Domber RN, MPA, Emily Jacobs, Jeffrey Rosczyk

DP02: Establishing a Sensory Screening Tool Following Cast Removal After Multi-level Surgery in Youth with Cerebral Palsy

Allison Alexander OTD, OTR/L, Brittany Virgil PT, DPT, Kristen Furnari OTR/L, Laura Leonard MS, OTR/L, BCP, Stacey Travis-Treacy DPT, CBIS, Sarah Ghattas DO, Maura McManus MD

DP03: From Clinic to Community: Physical Therapists Partnering with Adaptive Athletics Program

Amanda Wirth PT, DPT, PCS

DP04: Applicability of Neuropsychological Tests in Cerebral Palsy

Gabriela Rovai, Danielle Borrego Perez, Carolina Scarparo, Larissa de Carvalho dos Santos, Lisandrea Rodrigues Menegasso Gennaro, Ana Carolina de Campos PhD

DP05: Hand-Arm Bimanual Intensive Therapy Including Lower Extremities (HABIT-ILE) + functional strength training to improve motor function in children with spinal muscular atrophy

Astrid Carton de Tournai, Eugene Rameckers, Yannick Bleyenheuft PhD, Jacqueline Montes PT, EdD, Andrew Gordon PhD

DP06: Early Safety Assessments After Chemodenevration: A Telehealth Model

Avanti Patel

DP07: Tracking Home and Clinical Usage of Mobility Devices Using an External Accelerometer: A Rehabilitation-Engineering Partnership

Bethany Sloane PT, DPT, PhD, PCS, Heather Feldner PT, MPT, PhD, PCS, Kimberly Ingraham PhD, Aaron Buck, Nathaniel Pao

DP08: Co-Constructing Implementation of a Caregiver-Led, Home-Based Power Mobility Intervention with Early Childhood Clinicians

Bethany Sloane PT, DPT, PhD, PCS, Katharine Zuckerman, Lisa Kenyon PT, DPT, PhD, PCS, Melinda Davis

DP09: Improving Continuity of Care Using EHR Tools in Pediatric to Adult Transitions

Bridget Dayton BSN, RN, CPN, Fabiola Reyes MD

DP10: Reimagining Neuromuscular Care: A Multidisciplinary Clinic Model for Children with Cerebral Palsy and Related Conditions

Camila Vicioso BA, Jennifer Gomez MSN, RN, CPNP-PC, Sheena Ranade MD

DP11: Bridging Early Cerebral Palsy Diagnosis and Intervention Through a Registry-Based Model in Colombia

Carolina Toro MD, Carlos Quintero MD, Ana Posada, Lorena Marquez

DP12: Telehealth in the Management of Spina Bifida in a Multidisciplinary Clinic

Christopher Keenan DO, Andrew McCoy MD, Michael Cellucci MD, Danielle D'Amico RN, TJ

DP13: Reliable Outcomes in Practice: Standardizing Measurement Across Therapists

Claire Manix-Cramer PT, DPT

DP14: Beyond the NICU: Therapeutic Care for Families of Medically Fragile Infants

Claire Manix-Cramer PT, DPT

DP15: Cultivating Clinical Expertise: A Mentorship Model for Managing Complex Pediatric Patients in a Rehabilitation Setting

Claire Manix-Cramer PT, DPT, Jessica Hubert

Demonstration Posters

DP16: SMH and LOL: Creating Social Connections for AAC users

Claire Shrader MSOT/OTR/L, Brittany Resnick CCC-SLP, Sophie Grossman OTR/L, Helena Roberts

DP17: Understanding Persistent Hand-to-Head Self-Injurious Behaviors in Children with Neurological Complexity: Theoretical Rationale for Supporting the Use of Elbow Extension Splints

Cortney Divito MOT, OTR/L, Angela Shierk PhD, OTR, Mary Shotwell Ph.D., OTR/L, FAOTA, NBC-HWC, Tamara Mills-Wyrick PhD, OTR/L, ATP

DP18: Redefining Intensive Pediatric Physical Therapy: Essential Components of Intervention for Children with Neuromotor Conditions

Dana Chole PT/DPT, PCS, James Hedgecock PT, Meaghan Rubsam PT, DPT, PCS, PhD (c), Jamie Hall PT, DPT, PhD, Kelly Greve PT, DPT, PhD

DP19: From Lived Experience to Discovery: CP-NET - A Collaborative Model for Cerebral Palsy Research

Dayle McCauley MSc, Heather Shearer PhD, Crystal Chin, Darcy Fehlings MD, Richard Wintle PhD, Manda Krpan Mesic, Amanda St. Dennis BA

DP21: Putting the Right Tool in Providers' Hands: The First Multidisciplinary Pediatric Rehabilitation Toolkit for Children with Medical Complexity

Nathan Katz MD, Catherine Jones, Victoria Buswell BMedSci, BMBS, FRCA, Kristine Tomczyk, Haley Fishman MD, MSc, FRCPC, Esther Lee, Gina Rempel MD, FRCPC, FASPEN, Caitlyn Dunphy MPT, Sharon Shrestha, Dynai Eilig MD, MBA

DP22: Embedding Hip Surveillance into the EMR: Integrating Surveillance and Surgical Care in Cerebral Palsy

Ed Wright MD, Dorothy Beauvais MD, Zina Smadi, Jon Wall MD, Aaron Charnay MD, FAAP, FAAPMR, McKenna Powers-Garcia PA, Sutapa Khatua

DP23: Evaluating the Inter-rater Reliability of Physical Therapists' Classification of Pediatric Patients Based on Health Condition

Elena Bradley PT, DPT, PCS, Heather McLean PT, MPT, CBIS, Rhonda Stallings PT, MSPT, Christopher Joseph DPT, Nayo Hill PT, DPT, PhD

DP24: Whole-Body Vibration as a Therapeutic Intervention for Cerebral Palsy

Élida Santos MS, Silvia Iemos Fagundes

DP25: Supporting the Care Team at Home: Improving Caregiver Burnout Screening in Pediatric Rehabilitation

Emily Emamzadeh MD, Alissa Ebenhoeh, Andrew Fisher MD, Laura Owens MD

DP26: Moving Target Board for Testing Online Motor Control

Evan Yarnall BS, Claudio Ferre PhD, Julia Zayas

DP27: From Exclusion to Participation: A Community-Embedded Model for Inclusive Physical Activity in Childhood-Onset Disability

Jacob Corey PT, DPT, PhD, Jonna Belanger PhD

DP28: A Goal-Driven Clinical Decision-Making Process for Designing Intensive Pediatric Physical Therapy Episodes

James Hedgecock PT, Meaghan Rubsam PT, DPT, PCS, PhD (c), Dana Chole PT, DPT, PCS, Kelly Greve PT, DPT, PhD, Jamie Hall PT, DPT, PhD

DP29: A Conceptual Framework for Exploring Best Practice Implementation in Intensive Pediatric Physical Therapy

Jamie Hall PT, DPT, PhD, Meaghan Rubsam PT, DPT, PCS, PhD (c), James Hedgecock PT, Dana Chole PT, DPT, PCS, Kelly Greve PT, DPT, PhD

Demonstration Posters

DP30: Tiny Tots: A Family-Centered Hybrid Constraint-Induced Movement Therapy Camp and Caregiver Support Group to Improve Hand Function in Young Children

Jennifer de la Rosa OTR/L, Sophia Patroulis Lessig OTR/L, Erin Butler OTR/L, Mary Kay Heldman MSW, Sudarshan Dayanidhi PT, PhD

DP31: Community in Harmony: Symphony Storytime for All

Jennifer Tucker PT, DPT, PhD, Julie Feuerstein PhD, CCC-SLP

DP32: Updating DPT Program Technical Standards to Reduce Barriers for Admission of Students with Disabilities

Jessica Silveira PT, DPT, PhD, Gwendolyn Cariker PT, DPT

DP33: Early Detection of Cerebral Palsy in Illinois Early Intervention: Collaboration, Tools and Training

Jessica Trenkle DPT, Alison Liddle PT, MPP, PCS, Jennifer de la Rosa OTR/L, Raye-Ann deRegnier MD, Theresa Sukal-Moulton DPT, PhD, Deborah Gaebler-Spira MD, Susan Connor, Maria Kastanis

DP34: The Impact of a Department Specific Award on Retention and Morale

Jodi Rosenberg PT, M.S.P.T.

DP35: Examining Barriers to the Accessibility of Childhood Activities for Children with Cerebral Palsy in Canada and Beyond

Joel Ewert MD Candidate, BHSc, PLY, Ram Mishaal MD

DP36: Mental Health Screeners, One Size Does Not Fit All

Brooke Kimbrell MD, Jonathan Forkey, Eric Chin MD

DP37: Partnership with Purpose: Ugandan Community Organizations and US Academic Medical Center Combining Expertise to Drive Improvement of Wheelchair Delivery and Patient-reported Outcomes in Uganda.

Julia Brennan DPT, Cynthia Dodds PhD, PT, PCS

DP38: Motivate to Move! A Novel Motivational Interviewing Intervention to Promote Habitual Physical Activity for Individuals with Cerebral Palsy

Katherine Scalzo BA, Kimberley Scott PT, PhD, Olyvia Jaramillo BA, Logan White MS, Kanishka Baduni PhD, Max Kurz PhD

DP39: Designing a Pediatric Occupational Therapy Aquatic Program: A FamilyCentered, FrameworkGuided Model for Clinical Practice

Kristen Olwell OTD, OTR/L, BCP, Abigail Eschmann MS, OTR/L, CBIS

DP40: Embedding PT Across the Pediatric Orthopedic Continuum: A ParentDriven Model for Safer, Stronger Outcomes

Laura Badmaev, Natasha Ludwig PhD, Heather McLean PT, MPT, CBIS

DP41: Coordination of Care and Provider-Led Training During Transition from Pediatric to Adult Care

Christopher Joseph DPT, Jessica Garrison DHA, M.S. OTR/L, Lauren Osgoodby

DP42: Learning to SPEED: Training Clinicians and Caregivers to Deliver a Ride-On-Toy-Based Upper Extremity Intervention for Children with Hemiplegia

Madeline Jakubowski BS, Ashley Guillot BS, Patrick Kumavor PhD, Sudha Srinivasan PT, PhD

Demonstration Posters

DP43: REASON CP: A Systems-Based Framework for Clinical Reasoning to Support Participation Across the Lifespan in Childhood-Onset Neurodisability

Margaret Mayston PhD, MSc, BAppSc, Sarah Foley BAppSc, Willeke Walsh PhD; BAppSc, Kelly Reynolds BHealthSc; MEd, Gillian Saloojee PhD, BSc Physiotherapist

DP44: From Training to Clinical Practice: Professionals' Perceptions of the HINE for the Early Detection of Cerebral Palsy (CP) in Latin America

Margarita Torres DPT, Gabriela Pereyra MD, Alvaro Hidalgo PT, Carolina Toro MD

DP45: Establishing a Pilot Cerebral Palsy Caregiver Peer Support Group to Improve Knowledge and Resource Awareness in an Urban, Underserved Population

Micaela Tomaro, Emma Silva, Cara Macari, Kathryn Knotte DPT, Rebecca Persons, Mara Karamitopoulos MD

DP46: Faces of CP: A New Guide to Understand the GMFCS- Using the F-Words Through Children's Eyes

Nadia Ulanowska, Cynthia Vallance BA, Nandy Fajardo PT, Ram Mishaal MD, Mor Cohen Eilig MD

DP47: Robotic-Assisted Gait Training at a Pediatric Hospital - Increasing Equitable Access

Olivia Ng PhD, Angela Camozzi, Sharon Rich, Chantel Stein, Ashleigh Webb

DP48: Cooking with Children with Feeding Difficulties

Osana Abich Oliva MD, Natalie Nieto DO, Catherine Lin DO, Patricia Nguyen DO

DP49: Video-Based Movement Analysis in the Upper Limbs: Identifying Technical Challenges and Possible Solutions

Rachel Hawe PhD, Shelby Ziccardi MSc, Kathy Grinde PT, Stephen Guy PhD

DP50: Brain-Heart-Behavior Connections: Exploring Associations between Parent-Infant Relationships, Infant Neurodevelopment, and Parent Neurophysiology

Rebecca Molinini PT, PhD, Christine Lathren MD, MSPH, Skylar Foxworth, Anna Lewis, Sharon Mabasa BS, Jessica Cassidy DPT, PT, PhD

DP51: Demonstrating CUIDA Project: A Family-Centered, Digitally Supported Unified Prenatal-to-Home Care Pathway for Preterm Infants

Silvana Pereira Dr, Giane Ribeiro-Samora, Roseany Silva, Jully Rodolfo, Nathalia de Figueiredo Silva, Carolina Alvarez PhD, Stacey Dusing PT, PhD, FAPTA

DP52: Driving to Learn Upper Extremity Skills: Integration of the Assessment of Learning Powered Mobility Use into an Activity-Focused Intervention Using Joystick-Operated Ride-On Toys

Sudha Srinivasan PT, PhD, Lisa Kenyon PT, DPT, PhD, PCS

DP53: Why Chaos? Common Challenges in Pediatric Rehabilitation Discharges

Allison Walsh, Colleen Coldbridge-Green, Blaire Fritzingler, Sydney Lazar, Rosa Samuels, Goziem Ndubizu, Susan Fendrick RN, BSN, MSN

DP54: Intensive Rehabilitation for Infants at High Risk for Cerebral Palsy Diagnosis

Teresa Garcia Reidy, Katlyn Billups, Courtney Stant, Vera Joanna Burton, Joan Carney EdD

DP55: Dual Approach: Evaluating the Synergistic Effects of Trofinetide and Environmental Enrichment in Optimizing Motor and Cognitive Outcomes in Rett Syndrome

Todd Levy, Ranit Lieberman, Eric Marsh MD, PhD

Scientific Posters

SP01: Structural Barriers and Facilitators to Accessing Habilitation and Rehabilitation Services for Children with Cerebral Palsy in High Income Countries: A Scoping Review

Heather Shearer PhD, Pierre Côté DC, PhD, Lauren Ead DC, MSc, Simran Walia BHSc, Alanna Veitch PhD(c), MHSc, Nora Bakaa, Hailey Wong, Jen Rinaldi, Jessica Wong DC, PhD

SP02: Effect of Rehabilitation Interventions that Embed Play on Motor, Cognitive, Language, and Behavioral Development in Young Children with or at Risk for Motor Delays: A Systematic Review

Jessica Silveira PT, DPT, PhD, Alyssa LaForme Fiss PT, PhD, Ragnhild Håkestad PhD, Julia Looper PhD, PT, Silvana Pereira Dr, Sandra Willett PT, PhD, PCS, Stacey Dusing PT, PhD, FAPTA

SP03: Health Related Family Quality of Life in Pediatric Invasive Home Mechanical Ventilation: A Scoping Review and Priorities for Future Innovation

Keisha White Makinde MD, MPH, Rida Qureshi MPH, Maysara Mitchell MPH, Alexandra Merz, Sarah Sobotka MD, MSCP

SP04: Sialorrhea Management in Young People with Cerebral Palsy: A Systematic Review and Meta-analysis

Laurie Glader MD, Dinah Reddihough MD BSc FRACP FAFRM DSc (hon), Lisa Letzkus PhD RN CPNP-AC, Kayla Petkus PharmD, BCACP, Amy Cutler MS, OTR/L

SP05: Quantitative Assessment Tools For Lower-Limb Locomotor Tasks in Children With Cerebral Palsy: A Systematic Review

Mathieu Bourgeois, Nawale Hadouiri, Nathalie De Beukelaer, Alice Bonnefoy-Mazure, Marine Cacioppo, Mathieu Gueugnon, Stéphane Armand

SP07: Systematic Review of Management of Hip Displacement of Children with Cerebral Palsy

Glory Zheng, Edward Yu, Dannyn Chen, Andrea Burgess, Roslyn Boyd

SP08: The Effect of Maternal Diabetes, Obesity, and Preeclampsia on the Incidence of Cerebral Palsy in Offspring: A Literature Review

Sophie Luo B.Sc, Anshvir Bhangoo, Naama Rozen MSc. Pharm, Ram Mishaal MD

SP09: Optimal Dosage in Early Intervention to Motor Outcomes in Infants at Risk of Developmental Delays: Preliminary results from a Systematic Review

Vitoria Urruchia, Andrea B. Cunha PhD, Anh Trinh, Samantha Moore, Eloisa Tudella

SP10: Risk Factors for Progressive Hip Displacement in Children with Cerebral Palsy: A Systematic Review

Stacey Miller BSc(PT), MRSc, Krystina Hopkins MPH, Sharon Shrestha, Aditi Surma, Maria Juricic MRSc, BScPT, BScKin

SP11: Identification of a Group IV Hemiplegic Gait Pattern in Children with Cerebral Palsy and the Risk for Hip Displacement based on 10 years of Hip Surveillance

Stacey Miller BSc(PT), MRSc, Maria Juricic MRSc, BScPT, BScKin, Kishore Mulpuri MHSc, MSc, MBBS, FRCSC

SP12: Urologic Symptoms of Pediatric Patients With Cerebral Palsy: A Single-Institutional Retrospective Study

Anna Lin MD, Chialing Hsu MPH, Andrew Nguyen MD, Lindsey Asti PhD, MPH, Peter Minneci MD, MSc, Jennifer Hagerty DO

Scientific Posters

SP13: Selective Dorsal Rhizotomy in the Lumbar and Cervical Regions for the Treatment of Spastic Cerebral Palsy: Evaluation of Therapeutic Efficacy in 16 Children.

Ana Rodrigues, Josione Ferreira, Thalita Fonseca, Francisco Alencar, Leonardo Rodrigues, Jordano Macêdo, Hebert Silva, Leylane Lisboa

SP14: Next-Level Motor Learning: A Randomized Control Multisite Study of Adaptive Virtual Reality Constraint-Induced Movement Therapy in Children with Asymmetric Cerebral Palsy - Pilot Results

Alexis Mitelpunkt MD, Romi Sion, Inbal Pearl, Mor Cohen Eilig MD, Joyce Lam OT, Ram Mishaal MD, Idan Segal MD, Tal Shpitzer, Liora zerbib, Gal Raz

SP15: Horizons of Hope: Cerebral Palsy Parent Journey Support Group

Amanda Cama BSW, RSW, Mor Cohen Eilig MD, Ram Mishaal MD, Christiana Bratiotis PhD, MSW, Ravneet Mundi MPH, Cynthia Vallance BA, Naama Rozen MA

SP16: Public Expenditures with Physical Therapy Outpatient Rehabilitation for Children with Cerebral Palsy in São Paulo State, Brazil, 2025

Isabella Pessóta Sudati PT, Ana Carolina de Campos PhD

SP17: Reliability of the Brazilian Version of the Hypertonia Assessment Tool (HAT-Br): Test-Retest and Inter-Rater Analyses

Alice Moralez de Figueiredo, Isabella Pessóta Sudati PT, Cilene dos Santos, Ana Paula Zanardi da Silva, Carla Andrea Tanuri, Rafaela Pichini de Oliveira, Ana Carolina de Campos PhD

SP18: Effects of Lumbar Selective Dorsal Rhizotomy Combined with Intensive Rehabilitation on Ankle Range of Motion in Children with Spastic Cerebral Palsy

ANA RODRIGUES, Leonardo Rodrigues, Francisco Alencar, Josione Ferreira, Thalita Fonseca, Ayla Sales, Ariely Fonteneles, Nadyla Vila, Ana Luiza Santos, Hebert Silva

SP19: Hope and Life Satisfaction Across Neuromuscular Diagnoses: Insights from the Turbocharged Living Tool

Emily Roth BS, Dahlia Earleywine BS, Sarah Jones MD, Renee Bricker MS, Erin Plews-Ogan MD, Margaret Plews-Ogan MD, Rebecca Scharf MD, MPH, Anna Jesus MD, MBE

SP20: Longitudinal Trajectories of Bilateral Hand Use: Changes in Behavior and Cortical Activity

Evan Yarnall BS, Marie Kelly MPH, Claudio Ferre PhD, Xiwen Su MS, Hyunjoon Kim MS

SP21: Translation and Validation of Cerebral Palsy Quality of Life Questionnaire Child into Sinhala Language

Priyanwada Wijayasinghe, Dilini Vipulaguna MBBS, MD, DCH, Samanmali Sumanasena MBBS, MD Paediatrics, MSc (Disability Studies), Surangika Wadugodapitiya, Kavinda Malwanage, Ruwanthi Perera, Sujani Kumarasiri BSc(Hons) in Physiotherapy, Thusharika Dissanayake, Avishka Peiris, Thilini Madhushika BSc

SP22: The Effect of Immediate Weight-Bearing after Femoral and Tibial Osteotomies in Ambulatory Youth with Cerebral Palsy

Chris Church MPT, Yusra Adlani, Madison Lennon, Jose Salazar-Torres PhD, Nancy Lennon DPT, MS, PT, Wade Shrader MD, Freeman Miller MD, Alysa Nash, Morgan Hadley, Arianna Trionfo MD

Scientific Posters

SP23: Evaluating the Impact of the Early Motor Screening Program on Cerebral Palsy Diagnosis and Access in British Columbia

Arshdeep Waring, Naama Rozen MSc. Pharm, Sarah Hutchison, Ram Mishaal MD, Mor Cohen Eliig MD

SP24: Feasibility Testing of a Home-Based Exercise Intervention Delivered by Ehealth in Children With Cerebral Palsy Who Are Ambulant

Trille Jakobsson, Katarina Lauruschkus, Åsa Andersson, Ola Hansson, Robert Holmberg, Åsa Tornberg

SP25: Fun and Feasible: Acceptance of a Novel Upper Extremity Training Program with Ride-on Toys for Children with Hemiplegia

Sudha Srinivasan PT, PhD, Ashley Guillot BS, Madeline Jakubowski BS, Preeti Baiju, Amelia Tran, Patrick Kumavor PhD, Christina Oliveri

SP26: In-Session Engagement from a Relational Perspective: Insights from an Upper Extremity Training Program Using Modified Ride-on Toys

Sudha Srinivasan PT, PhD, Ashley Guillot BS, Madeline Jakubowski BS

SP27: Wearable Sensor Leg Movement Data from Infants At Risk for Cerebral Palsy Predicts Later Diagnosis

Beth Smith PT, DPT, PhD, Ramon Durazo-Arvizu, Julie Skorup PT, DPT, Mustafa Ghazi PhD, Thubi Kolobe PhD, Andrew Fagg PhD, Samuel Pierce PT, PhD, Noor Ruwaih, Laura Prosser PT, PhD

SP28: Parent Perspectives of an Interventionist-Supported, Parent-Led, Home-Based Power Mobility Intervention

Bethany Sloane PT, DPT, PhD, PCS, Lisa Kenyon PT, DPT, PhD, PCS, Sam Logan PhD

SP29: Effectiveness of a Hand-Arm Bimanual Intensive Training on Upper Limb Function and Bimanual Coordination in Children with Hemiplegia in South Korea

Bokyung Shin

SP30: Feasibility and Acceptance of GO Move: An Open Access Web-based Home Therapy Program

Angela Shierk PhD, OTR, Brenna Merillat OTS, Heather Roberts PhD, OT, Catherine Thompson BS, CCRP, Cigdem Cekmece PhD, Nigar Dursun MD, Mauricio Delgado MD, Fabiola Reyes MD

SP31: Barriers and Facilitators for Long term Participation in Physical Activity for Children and Adolescents with Cerebral Palsy: A Community-Based Participatory Qualitative Study

Katherine Dimitropoulou Ph.D., MSPOR, OTR/L, Brian Wishart DO, MMS, Mara Yale Ph.D., GCFP, SEP, Abby Carey

SP32: Enhancing Parent-Infant Engagement: Emotional Availability Findings from the SPEEDI Physical Therapy Intervention

Cameron Brown PT, DPT, PCS, Christiana Butera PhD, Shaaron Brown PT, DPT, PhD, Rebecca Molinini PT, PhD, Christine Spence PhD, Jennifer Burnsed MD, Stacey Dusing PT, PhD, FAPTA

SP33: Clinical Validation of an Automated Modified Mallet Scoring System Using Smartphone Videos

Cancan Su, Natalie Baddour PhD, Edward Lemaire PhD, Albert Tu, Kevin Cheung MD, Lianne Brandt MS

SP34: Trends in Cannabidiol Products and Medical Supervision of Use Among Children with Cerebral Palsy: A Five-Year Follow-Up Study

Carly McDermott MS, Marie Murray BA, Manya Bali, Aneesh Samineni MD, Benjamin Shore MD, MPH, FRCS

Scientific Posters

SP35: Characteristics and Epidemiology of Children and Adults With Cerebral Palsy in Latin America

Carolina Toro MD, Carlos Quintero MD, Johana Escobar MSc, Eduino Cuestas, Hercules Leite PhD, Luana Silva, Jorge Carranza MD, Mercedes Ruiz-Brunner PhD, Gulam Khandaker PhD, Israt Jahan PhD

SP36: Outcome Measures Used and Psychometrically Tested in Children with Upper Limb Loss or Difference: A Scoping Review

Caroline Gormley DO, Michelle Hall MS, CPO, FAAOP(D), Abbey Stepnitz CPO, Sara Morgan PhD

SP37: Training Individuals with Muscular Dystrophy as Peer Educators in Sexual Health: A Pilot Study

Caroline Gormley DO, Amanda Appel MD, MPH

SP38: Influence of Movement Direction on Upper-Limb Visuomotor Control in Children With Unilateral Cerebral Palsy

Cassandra Kemmel-Bartletti, Rachel Scheele, Md Raihan Mia BS, Andrea Rifelj, Samuel Nemanich PhD

SP39: Influence of Age on Mirror Movements in Children With Unilateral Cerebral Palsy

Cassandra Kemmel-Bartletti, Morgan McIlwee BS, Karin Goodfriend MD, MSPT, Rachel Scheele, Samuel Nemanich PhD

SP40: Need for Hip Surveillance in Patients with Hereditary Spastic Paraparesis

Cherlyn Caneda CPNP, Lane Wimberly

SP41: Walking Activity in Individuals with Cerebral Palsy: Personal and Environmental Influences on Daily Performance

Chris Church MPT, Hannah Scott BS, Jose Salazar-Torres PhD, Wade Shrader MD, Arianna Trionfo MD, Nancy Lennon DPT, MS, PT

SP42: Gait and Functional Endurance in People with Morquio Syndrome

Felipe Malagon MD, Chris Church MPT, Cenk Ermutlu, John Henley PhD, Jose Salazar-Torres PhD, Wade Shrader MD, Jeanne Franzone MD, Stuart Mackenzie MD

SP43: Responsiveness of the Gait Outcomes Assessment List (GOAL) Questionnaire Post- Orthopaedic Surgeries

Christine Amacker DPT, Riley Horn, Martins Amechi MS, Heather Waters DPT, Rachel Thompson MD, Patrick Curran MD, John Collins

SP44: A Unique Approach to Measuring Development in Hospitalized Children with Medical Complexity

Claire Wallace PhD, Patrick Hogan MPH, Brian Dieffenderfer MPH, Danielle McKay OT, Nicholas Holekamp MD

SP45: Alterations in Corpus Callosum Subregion Integrity Associated with Visual Dysfunction in Individuals with Cerebral Visual Impairment

Marie Drottar, Chan-Mi Kim, Howard Cabral, Corinna Bauer

SP46: Chronic Pain Is Associated With Glial Reactivity in the Cervical Dorsal Horn in a Rabbit Model of Cerebral Palsy

Corinne Marble, Patrick McGinnis BS, MS, Grace Giddings BS, Landon Genry BS, Brendan Moline BS, Scott Matson, Deborah Gaebler-Spira MD, Benjamin Katholi MD, Katharina Quinlan PhD, Megan Detloff PhD

SP47: Functional Changes in Adults With Cerebral Palsy: A Community Registry-Based Study

Cristina Sarmiento MD, Eric Chin MD, Prasanna Chaudhary, Elizabeth Boyer PhD, Stephen Wisniewski PhD, Edward Hurvitz MD, Linda Krach MD, Working Group, Mary Gannotti PhD, PT

Scientific Posters

SP48: Are Adults With Cerebral Palsy Satisfied With Their Healthcare? A Community-Based Needs Assessment

Cristina Sarmiento MD, Patrick McPhee PhD, Paul Gross BA, Theresa Sax, MS BS, Stephen Wisniewski PhD, Edward Hurvitz MD

SP49: Primary Care Provider Perspectives on Preventive Care for Adults with Cerebral Palsy: A Qualitative Study

Cristina Sarmiento MD, Chloe Glaros MPH, MSW, Edward Hurvitz MD, Megan Morris

SP50: 25 Years of Adaptive Golf: Participation Patterns and Perceived Benefits for Children with Physical Disabilities

Dana Dempsey MS, CTRS, Heather Roberts PhD, OT, Nancy Clegg PhD, CCRP, Alexys Berryhill OTS, Angela Shierk PhD, OTR

SP51: Shifting Paradigms in the Orthopaedic Management of children with Spinal Muscular Atrophy: Results from an European Paediatric Orthopaedic Society Survey

Dariusz Rad, Anna Bridgens, Renee Van Stralen MD, Michalis Kokkinakis

SP52: Investigating the Rehabilitative Use Case of a Powered Lower-Body Orthosis

Nadine Rodrigues BS, Elizabeth Condliffe MD, Simon Marchinko, Christa Diot MS

SP53: Is More Therapy Better? Feasibility and Early Outcomes of an Outpatient Pediatric Intensive Therapy Program

Diana Swaback MOTR/L, Lauren Sager-O'Connell PT, DPT, Julie Skorup PT, DPT, Laura Prosser PT, PhD, Irina Chudnovskaya, Cassidy Haley COTA/L

SP54: Evaluating 3D Markerless Motion Capture Methods for Robust Kinematic Quantification of Spontaneous Infant Movements

Divya Joshi PhD, JD Peiffer MS, Colleen Peyton DPT, MSCI, R. James Cotton MD, PhD

SP55: Motor Performance of Preterm Infants in Neonatal Intensive Care Unit and Racial Relations

Élida Santos MS, Carla de Almeida PhD, Mylena da Rosa PT, Graziela Biazus MS

SP56: Prevalence of Somatosensory Impairment in Individuals with Cerebral Palsy: Preliminary Results from a Systematic Review

Jesse Kowalski, Elisabeth Olson, Grace Divine Boutouli, Andrew Tran, Sarah Jane Brown

SP57: Back to Basics: Test-Retest Reliability of Whole Body and Multisegment Foot Kinematics For Youth With Cerebral Palsy

Elizabeth Boyer PhD, Jean Stout PT, PhD, Adam Rozumalski PhD

SP58: Comparison of Parent-proxy and Child Report on Pediatric Hand Experience Following Constraint Induced Movement Therapy Camp: A Pilot Study

Elizabeth Humanitzki MS, OTR/L, Roxanna Bendixen PhD, Cynthia Dodds PhD, PT, PCS

SP59: Capsular Erosions of the Lateral Femoral Head

Emily Andrisevic MD, Andrew Georgiadis MD, Nickolas Nahm, Sriya Byrapuneni MD, Zaid Ahmed, TJ Pottinger

SP60: "I Don't Know Much About This, But...": The Perspectives of Clinicians Towards Emerging Precision Medicine Research on Cerebral Palsy

Kevin Mintz PhD, Krysta Barton PhD, MPH, Elisa Altamirano BA, Sydney Walls MPH, Holly Tabor PhD

SP61: Peri-Operative Mortality in Patient Undergoing General Anaesthesia With Duchenne Muscular Dystrophy

Emily Crane, Daniel Fontannaz, Sabba Hussain, Mark Harris, Fabian Norman-Taylor MBBS FRCS

Scientific Posters

SP62: Acetabuloplasty After Skeletal Maturity in Cerebral Palsy: Durable Correction or Early Degeneration?

Ena Nielsen MD, Ashley Ellingwood, Vidyadhar Upasani MD, Hank Chambers MD, Patrick Curran MD

SP63: Building Connections: Caregivers of Children with Medical Complexity Co-Designing, Co-Leading, and Co-Delivering Communication Training with Pediatric Residents

Esther Lee, Judy So, Mimi Kuan, Lisa Zhang, Jenna Lew, Cynthia Vallance BA

SP64: Differentiating Contracture as a Cause of Apparent “Drop Foot” in Youth With Charcot-Marie Tooth Disease

Eva Ciccodicola PT, PCS, Tishya Wren PhD, Reiko Hara PhD, Alison Hanson MSPT, OCS, Susan Rethlefsen DPT, Emmanuelle Tiogson MD, Kristan Pierz MD, Jennifer Rodriguez-MacClintic PT, Gyula Acsadi PhD, Sylvia Öunpuu

SP65: The Importance of Gait Mechanics in Decision Making Between Gastrocnemius Recession and Tendo-Achilles Lengthening in Cerebral Palsy

Eva Ciccodicola PT, PCS, Adriana Liang MS, Reiko Hara PhD, Alison Hanson MSPT, OCS, Tishya Wren PhD, Robert Kay MD

SP66: Understanding the Effects of the Let’s Move Intervention: An Early Intervention Program For Infants With or at High Risk of Cerebral Palsy

Karen Harpster PhD, OTR/L, Amber Sheehan OTR/L, Cari Oakes OTR/L, Aurora Hoobler OTR/L, Kelly McHugh DPT, Heather Blackburn DPT, Nehal Parikh DO, MS

SP67: Sociodemographic Factors May Influence Practical Domain Functioning in Children With Cerebral Palsy

Fabiola Morales-Vias MD, Brooke Kimbrell MD, Heather Riordan MD, Lisa Jacobson, Katheryn Boada, Phelps Center Research Advisory Group, Eric Chin MD

SP68: Resource Utilization and Approaches to Management of Pain in Children with Cerebral Palsy

Fabiola Reyes MD, Suzanne Baxter, Daniel Gonzales, Angela Shierk PhD, OTR

SP69: Understanding Pain in Children with Cerebral Palsy Through the PROMIS Pain Interference Measure

Suzanne Baxter, Angela Shierk PhD, OTR, Daniel Gonzalez, Fabiola Reyes MD

SP70: Early Intervention Provider Perception of Adequacy of Timing of Early Intervention and Cerebral Palsy Diagnosis

Shaaron Brown PT, DPT, PhD, Rebecca Molinini PhD, Christine Spence PhD

SP71: Caregiver Depression and 30-Day Readmissions in Children with Medical Complexity: The Role of Social Determinants of Health in Saudi Arabia

Futoon Alotaibi, Lubna Alnasser PhD, Abdulaziz Ureeg, Hamad Alkhalaf

SP72: Long-Term Functional Evolution of Upper limbs After Occupational Therapy Alone or in Combination With Botulinum Toxin: A Case-Control Descriptive Study

Anne Tabard-Fougere PhD, Alice Bonney-Mazure, Ahmer Khan, Sophie Louis, Stéphane Armand, Oscar Vazquez MD, Geraldo De Coulon MD

SP73: Implementation of the LEAP-CP (Learning through Everyday Activities with Parents of Infants with Cerebral Palsy) Early Detection and Intervention Program in West Bengal India

Golam Moula MS Social Work, Katherine Benfer PhD, Asis Ghosh MSc PT, Sayak Chowdhury BSc PT, Roslyn Boyd

Scientific Posters

SP74: Families' Corresponding Health Literacy Score is Not Associated with Migration Index Severity in Children with Cerebral Palsy who had a Neuromuscular Hip Reconstruction

Hayley Sacks, Jessica Stockhausen, Kellen Krajewski PhD, Sayan De MD

SP75: Parental Perspectives and Experiences of Lower Limb Surgery and Rehabilitation in Children with Cerebral Palsy: A Qualitative Study

Ziad Mohamed Safinaz Bachelor of Science (Honors) in Physiotherapy, Warnakulasuriya Piumal Nilanka Fernando BS, Thilini Madhushika BSc, Dilini Vipulaguna, Samanmali Sumanasena MBBS, MD Paediatrics, MSc (Disability Studies)

SP76: Communication Assessment and Intervention Practices for Infants and Toddlers with Motor Disabilities: Qualitative Findings from Round 1 of an e-Delphi Study

Helen Long PhD, CCC-SLP, Dana Anderson MA, CCC-SLP, Katie Michalski MA, CCC-SLP, Cassandra López MA, CCC-SLP

SP77: Integrating Families in Cerebral Palsy Care in Ghana

Hannah Awadzi Executive Director, Hilda Asomaning

SP78: Reference Values and Relationships Between Walking Parameters and Physical Attributes in Typically Developing School-Aged Children

Hsiu-Ching Chiu PhD, Louise Ada PhD

SP79: Environmental Enrichment as a Rehabilitative Strategy to Enhance Bone Formation via Mechanical Loading-Associated Sclerostin Suppression in a Mouse Model of Cerebral Palsy

Hye Kyoung Lee, Jung Hwa Seo PhD, Sung-Rae Cho MD

SP80: One-Year Follow-up of Pediatric Overground Exoskeleton Therapy: Lasting Effects on Motor Function in Children with Cerebral Palsy.

Ignacio Martínez Caballero, Ana Mendigutía Gómez, Sandra Espinosa García, Sofía García de las Peñas, Carlota García Lerma, Cristina Rodríguez Olmo, María Teresa Vara Arias, María Olga Arroyo Riaño, Miriam Martín Gómez

SP81: Environmental Implications of Implementing a Virtual Early Motor Screening Program for Cerebral Palsy

Isabelle Vaux, Ravneet Mundi, Mor Cohen Eilig MD, Ram Mishaal MD

SP82: Comparing Spastic Hip Disease in Patients with Hereditary Spastic Paraparesis and Spastic Diplegic Cerebral Palsy: Should the Decision-Making Process be the Same?

Jacob Mor MD, Michal Frankl MD, Sharon Eylon MD, Wade Shrader MD, Quinn Kirkpatrick MD, Steven Bachrach MD

SP83: Longitudinal Ultrasonographic Features and Predictors of Physical Therapy Outcomes in Infants with Congenital Muscular Torticollis and Sternocleidomastoid Muscle Mass: A Prospective Cohort Study

Jaewon Kim, Seungho Hong, Junghyeon Park, Dae-Hyun Jang

SP84: Shaping Future Pediatric Physical Therapists: a Curricularly-embedded Strength and Power Group Intervention for Children with Cerebral Palsy

Jamie Hall PT, DPT, PhD, Dana Chole PT, DPT, PCS, Carson Miller PT, DPT

SP85: Impact of HIE and Perinatal Exposure to Infection/Inflammation on Cerebral Palsy Risk

Janina Boecher PhD, David Harary MSc, Olivia Dutton, Saniya Lakhiani, Alexander Hone BS, Casey Toback MD, MsEd, Robert Akins PhD, Elizabeth Wright-Jin MD, PhD

Scientific Posters

SP86: The Impact of “High Dose” Tendon Achilles Lengthening Compared to “Low Dose” Gastrocnemius Recession for Equinus Correction on Ankle Power Generation in Unilateral Cerebral Palsy

Zhe Yuan, Wade Shrader MD, Freeman Miller MD, Chris Church MPT, John Henley PhD, Jose Salazar-Torres PhD, Jason Howard MD

SP87: Sensory Processing Differences Across Levels of Prematurity in Early Childhood

Javeria Shahid, Mary Alice Montgomery, James Thomas, Olivier Rolin MD, Robert Perera, Stacey Dusing PT, PhD, FAPTA, Virginia Chu PhD, OTR/L

SP88: Area Deprivation Index in a Cohort of Adults with Cerebral Palsy

Jensine Clark MD

SP89: Reliable Selection of Unstructured Electronic Health Record Pediatric Rehabilitation Data from the Neonatal Intensive Care Unit for Artificial Intelligence-Enabled Applications

Jing-Wen Su MSOT, Med, Vanessa Barbosa, Gina Burke BS, OTR/L CHT BCPR, Lauren Litwiller OTR/L, Jessica Merrill OTR/L, Baris Karacan, Catherine Craven PhD, MA, MLS, FAMIA, Karen Dunn Lopez PhD, MPH, RN, Andrew Boyd MD, Mary Khetani ScD, OTR/L, FAOTA

SP90: Defining the Nurse Practitioner’s Role in the Care of Children with Medical Complexity

Joanna Soscia RN(EC), MN, MEd, Sherri Adams MSN, CPNP, NP-Paeds, Natasha Bruno MSc, Mehwish Rana, Julie Rose, Eyal Cohen FRCPC, MD, MSc, Julia Orkin MD, M.Sc., FRCPC(C)

SP91: Developmental Outcomes in Toddlers with Invasive Mechanical Ventilation Evaluated in an Outpatient Clinic

John Kosner, Emma Green MPH, Sarah Sobotka MD, MSCP

SP92: The Impact of Flexed Knee Gait: Functional Health Outcomes in Adults with Cerebral Palsy

Jose Salazar-Torres PhD, Alexander Broadhurst BS, Chris Church MPT, Nancy Lennon DPT, MS, PT, Jason Howard MD, Freeman Miller MD, Wade Shrader MD

SP93: Feasibility of A Perioperative Nutrition and Body Composition Assessment in Children with Cerebral Palsy Undergoing Orthopedic Surgery

Judy-April Murayi MD, MPH, RDN, Miriam Knopp MS, RDN, Carly Arnold RD, Crystal Seilhamer FNP, Joanna Burns-Womack BSN, Sean Tabaie MD, MBA, Summit Shah MD, Carrie Earthman PhD, RD, Laurie Glader MD, Praveen Goday MD

SP94: Posterior Spinal Fusion for Scoliosis in Cerebral Palsy: Can it Wait?

Julian Smith-Voudouris MS, Joshua Sanchez BA, Katie Zehner BS, Ally Yang MD, Rachel Montoya MD, Dominick Tuason MD, Jonathan Grauer MD, David Frumberg MD

SP95: Cognitive Health in Adults with Cerebral Palsy: A Systematic Review

Kanishka Baduni PhD, Brittany Perry, Nathalie Maitre MD, PhD

SP96: Mid-Term Results of Hyperselective Neurectomy for Elbow Flexor Spasticity in Children with Cerebral Palsy

Eugene Park MD

SP97: Weightbearing Computed Tomography Reveals 3D Bone Shape Differences in Children with Flatfoot Secondary to Cerebral Palsy

Karen Kruger PhD, Nick Slavik BS, Joesph Krzak PT, PhD, Haluk Altioek MD, Peter Smith MD, Teresa Cappello MD, Vedant Kulkarni MD, Graham Englert MD, Kelsey Davidson MD, Amanda Whitaker MD

Scientific Posters

SP98: Satellite Cell Dysregulation in Cerebral Palsy: Insights from Single Cell Transcriptomics

Karyn Robinson MS, Qi Zheng PhD, Stephanie Lee MS, Adam Marsh PhD, Jonathan Hicks B.S., Wade Shrader MD, Robert Akins PhD

SP99: Understanding the Gait Pattern in Children With Spinal Muscular Atrophy: The Ability to Walk Independently vs. Using Assistive Devices

Sabina Brazevic PhD, Paweł Chmara MSc, Radosław Rutkowski, Marek Józwiak

SP100: Connecting Health Systems for Cerebral Palsy Care: A Learning Health Network Approach to Shared Learning

Kelly Greve PT, DPT, PhD, Jilda Vargus-Adams MD MSc, Nathan Pajor MD, Alka Chandel, Tess Guzman BS, Amy Bailes PT PhD, Alexis Mitelpunkt MD, Surbhi Bhatnagar PhD, Bruce Aronow PhD, Brad Kurowski MD, MS, MBA

SP101: Validation and Clinical Implementation of Wearable Sensors to Monitor Motor Activity of Infants with Typical or Atypical Development: A Scoping Review

Ketaki Inamdar PT, PhD, Alexa DeVito MS, Yidong Zhu PhD Candidate, Mohammad Arif UI Alam PhD, Ainat Koren Ph.D., DNP, PMHNP, Margaret E. O'Neil MSPT, Ph.D., MPH

SP102: Treatment Fidelity Receipt and Walking Capacity Outcomes Following Power-Based Training in Youth with Cerebral Palsy: A Secondary Analysis

Joel Licea PhD, Kristie Bjornson PT, PhD, Noelle Moreau PhD, PT

SP103: Association of Neonatal Risk Factors on GMOS-R in Medically and Surgically Complex Infants

Kristina Stein OTR/L, Lynn Boswell PT, MS, Vanessa Barbosa PhD, OTR/L, CNT, Alison Goetzeluck PT, DPT, PCS, Aneta Jedraszko MPH, Raye-Ann deRegnier MD

SP104: Resting-State MEG Recording For a Potential Marker of Brain Plasticity in Infants With Early Brain Injury

Laura Prosser PT, PhD, Athylia Paremski BA, Beth Smith PT, DPT, PhD, Thubi Kolobe PhD, William Gaetz PhD, Yu-han Chen PhD

SP105: Posterior Spinal Fusion (PSF) Outcomes and Complications in Pediatric Neuromuscular Scoliosis (NMS) Patients Receiving Preoperative Bisphosphonates (BP)

Lauren Gadek, Ilona Lukina BA, Jamie Burgess PhD, Suna Paek PhD, Brett Lullo MD, Joseph Janicki MD, Jennifer Miller MD

SP106: Assessing Familiarity and Comfortability of Phase 2 SKMC Students in Working with the Intellectually Disabled Population

Lily Dudash, Jessica Tomaszewski MD, Talia Gillespie, Katie Labgold PhD, MPH

SP107: Longitudinal Trajectories of School Participation-related Constructs: A Two-Year Comparative Study of Children with and without Neurodevelopmental Disabilities

Lin-Ju Kang PT, Pei-Jung Wang PT, Hung-Yu Lin, Guan-Ting Guo, Wei-Hsuan Cheng

SP108: Intraventricular Baclofen as a Primary Treatment Strategy for Severe Secondary Dystonia: Functional Outcomes Following a Staged Test-Dose Pathway

Lisa Thornton, Jenny Sacree, Ian Pople MBChB, Khalid Sidahmed MBBS, Busisiwe Tshabalala B.SLPA Hons, BC-ANCDs, Ellen Thorp MSc, BSc, Aeysha Bibi Khan OTR/L, Gerald Romero OTR/L

Scientific Posters

SP109: Driven to Improve: Comparing Efficacy of Ride-on-Toy-Based Upper Extremity Training and Traditional Therapy for Children with Hemiplegia

Madeline Jakubowski BS, Ashley Guillot BS, Jana Lawrence, Kara Borkowski BS (Ongoing), Mia Cardoso, Nicole Slunt, Patrick Kumavor PhD, Sudha Srinivasan PT, PhD

SP110: Strength Training for Children with Neuromotor Conditions: An EvidenceBased Physical Therapy Approach

Madison Meyers PT, DPT, Kelly Greve PT, DPT, PhD, Michael Clay PT, DPT, CSCS, Emma Austing

SP111: Utility of Hip Arthrography in Evaluation of Femoral Head Coverage in Neuromuscular Hip Dysplasia

Maia Regan, Colby Freeman, Keith Baldwin MD, MPH, MSPT, David Spiegel MD, Christine Goodbody MD, MBE

SP112: Machine Learning-Based Shoulder and Elbow Motion Prediction in Healthy Controls vs. Cerebral Palsy Patients

Alice Chu, Priyanka Mehta, Shriyaus Lingam, Harshill Patel BA, Stephen Macneille BA, Roshan Patel, Amog Mysore

SP113: Urinary Tract Infections Increase Hospital Stay and Costs After Elective Hip and Spine Surgery in Children with Neurologic Complex Chronic Conditions

Marie Murray BA, Carly McDermott MS, Patrice Melvin MS, Akshay Seth MD, Rachel DiFazio PhD, RN, PPCNP-BC, FAAN, Benjamin Shore MD, MPH, FRCSC

SP114: Maximizing Exercise Experienced While Robotic Walking

Markus Zaplachinski, Jessica Youngblood MSc, Hua Shen PhD, Ana Arantes PhD, Elizabeth Condliffe MD

SP115: Influence of Age on Kinematic Discrepancies Between Marker-Based and Markerless Motion Capture in Children.

Martins Amaechi, John Collins, Riley Horn, Christine Amacker DPT, Heather Waters DPT, Patrick Curran MD, Rachel Thompson MD

SP116: First Steps Toward Pain Classification Among Adults With Cerebral Palsy: A Delphi Study

Mary Gannotti PhD,PT

SP117: Differences in the Time to AbobotulinumtoxinA Reinjection for Children With Cerebral Palsy With and Without the Presence of Mixed Dystonia: PostHoc Analysis of a Randomized Clinical Trial

Mauricio Delgado, Mathieu Beneteau, Pascal Maisonobe, Christian Hannes

SP118: Femoral Derotation Osteotomy is Essential for Reducing Severe Transverse and Coronal Planes Pelvic Asymmetry in Patients with Hemiplegic Cerebral Palsy

Mauro Morais Filho MD, Cátia Kawamura PT, José Augusto Lopes MSc, Marcelo Fujino MD, Laís Teixeira MD

SP119: General Movements Assessment for Cerebral Palsy in High-risk Preterms: Accuracy Following Implementation of a New Program

Melina Papadimitriou, Christine Labelle Bacc, Stephanie Arpin BSc, PHT, Jasmine Canse MS, Andreea Gorgos MD, MSc, Jarred Garfinkle MDCM, MSc, FRCPC

SP120: Feasibility of an Adaptive Home Exergaming Mobile App with Augmented Reality to Promote Physical Activity in Children with Cerebral Palsy: Lessons Learned

Melissa Bent MD, Abigail Padilla BS, Susan Rethlefsen DPT, Alison Hanson MSPT, OCS, Eva Ciccodicola PT, PCS, Tishya Wren PhD

Scientific Posters

SP121: Facilitators and Barriers: Adaptive Home Exergaming Mobile App with Augmented Reality

Melissa Bent MD, Abigail Padilla BS, Rachel Ceasar, Tishya Wren PhD

SP122: Timeliness of Hip Surveillance in Children with Cerebral Palsy by Area-Level Socioeconomic Disadvantage

Olivia Harrison, Micaela Tomaro, Aurora Scotti, Mara Karamitopoulos MD

SP123: High Intensity Outpatient Physical Therapy After Multi-Level Surgery (MLS) in Youth with Cerebral Palsy (CP): Association with Gait and Mobility Outcomes

Jillian Evans, Brittany Virgil PT, DPT, Felipe Malagon MD, Jose Salazar-Torres PhD, John Henley PhD, Laura Owens MD, Wade Shrader MD, Nancy Lennon DPT, MS, PT

SP124: Exploring the Early-Life Lower Limb Muscle Size in a Preliminary Cohort of Extremely-to-Very Preterm Born Infants

Nathalie De Beukelaer, Marina Castellano, Maria Graf, Francisca Barcos Munoz, Olivier Baud, Stéphane Sizonenko, Stéphane Armand

SP125: Feasibility, Acceptability, and Preliminary Outcomes of Lower Limb Constraint Induced Movement Therapy (CIMT-Leg) in Young Children with Unilateral Cerebral Palsy

Nicki Stuart PT, Eliza Collier PT, Ashleigh Hines PhD, OT, Catherine Morgan PhD, PT, Lauren Curtis PT, Annemarie Murphy PhD, SLP, Sarah Reedman PhD, PT

SP126: Co-Developing a Conference on Life Transitions for Individuals with Cerebral Palsy: Pre-Post Survey Results

Nicole Lewandowski CTRS, Daralyn Fulton MS, Heather Roberts PhD, OT, Nancy Clegg PhD, CCRP, Fabiola Reyes MD, Melissa Slovak, Pam Slovak, Medina Barron OTR, Maira Claudio, Angela Shierk PhD, OTR

SP127: Outcomes Following Surgical Intervention for Idiopathic Toe Walking in Children with Autism Spectrum Disorder

Asahi Murata MPH, Ivan Slyepkan, Mayssa Chehab, Kirsten Tulchin-Francis PhD, Laura Bates BS, Sean Tabaie MD, MBA

SP128: Comparison of Treatment Outcomes in Recurrent Idiopathic Clubfoot: A Single-Center Retrospective Cohort Study

Asahi Murata MPH, Ivan Slyepkan, Kirsten Tulchin-Francis PhD, Sean Tabaie MD, MBA

SP129: Experiences of Parents and Caregivers in British Columbia with the Remote General Motor Assessment

Denna Flett, Keith O'Connor B(Sc)OT, Vivian Wong, Ram Mishaal MD

SP130: Incidence and Predictors of Femoral Refracture in Children With Cerebral Palsy

Francisco Narro Garcia, Muhammad-Amin Munshi, Pooya Hosseinzadeh MD

SP131: Does Remodelling of Distal Femoral Extension Osteotomy cause Recurrence of Knee Flexion Deformity in Children with Cerebral Palsy?

Abhay Gahukamble, Arul Murugan, Vikaas Thuppale, Jonathan Reddy, John Samuel, Thomas Palocaren

SP132: Feasibility and Outcomes of Integrating Personalized and Goal-driven Exergaming Therapy in an Intensive Rehabilitation Program for Children and Teenagers with Cerebral Palsy and/or Hemiplegia

Qinyin Qiu, Amanda Gross, Ashley Mont PhD, Gerard Fluet, Scott Matthews MS, Alexandra Clayton MS, Jenfu Cheng MD, Sergei Adamovich PhD, Mee Eriksson MA

Scientific Posters

SP133: Evaluation of the Cerebral Palsy Profile of Health and Function (CP-PRO) with Children with CP Using Cognitive Interviewing with Think Aloud Methodology

Rachel Kim OTD, Max Downey, Nicole Gerhardt OTD, OTR/L, CBIS, Wade Shrader MD, MJ Mulcahey, PhD

SP134: MoEvGame: Testing the Validity and Reliability of a Mobile Upper-Limb Motor Assessment System

Rachel Scheele, Cassandra Kemmel-Bartletti, Md Raihan Mia BS, Sheikh Iqbal Ahamed PhD, Karin Goodfriend MD, MSPT, Julius Dewald PT, PhD, Samuel Nemanich PhD

SP135: Vertical Video-Based Gait Analysis for Assessing Changes in Hip Rotation in Patients with Cerebral Palsy

Ramiro Olleac MD, Bernardo Centeno MD, Sabrina Campero MD

SP136: Validation and Reliability of 3D Scan for Measuring Femoral Axial Plane Angles

Ramiro Olleac MD, Milagros Fernandez Jure, bernardo Centeno MD, Sabrina Campero MD, Lucas Acosta PhD, Sean Tabaie MD, MBA

SP137: Motor Excitation and Inhibition in Children with Hemiplegic Cerebral Palsy During a Go No-Go Task

Regan Christian M.A., Sadra Shahdadian Ph.D., Yanlong Song Ph.D., Brooke Kimbrell MD, Warren Marks MD, Fernando Acosta MD, Christos Papadelis Ph.D.

SP138: Beyond Fibrosis: snRNA-seq Reveals Global Contractile Dysregulation Across Fast, Slow, and Intermediate Myonuclei in Spastic Cerebral Palsy

Jose Hernandez-Trejo, Yiran Deng BS, Leia Norton, Richard Bowen MD, Rachel Thompson MD, Kristen Stearns-Reider PhD, PT

SP139: Emotion and Interoception in Children with Cerebral Palsy

Ruth Pons-Moll MSc, Inmaculada Riquelme PhD, Álvaro Sabater-Gárriz PhD

SP140: Characterization of Sucking Pattern After Neonatal Brain Injury: A Potential Complementary Indicator for Early Prediction of Cerebral Palsy in Children

Sandra Fucile PhD

SP141: The Place Escape / Avoidance Paradigm and Complementary Behavioral Assays in a Rabbit Model of Cerebral Palsy Pain

Scott Matson, Landon Genry BS, Brendan Moline BS, Megan Detloff PhD, Katharina Quinlan PhD, Deborah Gaebler-Spira MD

SP142: Parent Perceptions of Family-Centeredness in Early Intervention

Christine Spence PhD, Rebecca Molinini

SP143: Measuring Gait Related Function in Everyday Contexts: GOAL Use in School-Based Settings and Parent Child Agreement

Ruth Morgenstern, Nilly Waiserberg PT, PhD

SP144: Integration of Standardized Assessments for Early Detection of Cerebral Palsy: Pilot Study in an Urban Tertiary Children's Hospital

Olga Morozova MD, Ruth Elgren DPT, Lara Liszka OTD, Ashley Brandt PT, DPT, Lindsay Ruffini CPNP-AC/PC

SP145: Reduced Skeletal Muscle Oxidative Capacity in the Absence of Systemic Inflammation in Children With Cerebral Palsy

Sebastian Edman PhD, Linnéa Corell MD, Oscar Horwath, Johanna Lanner PhD, Eva Pontén MD, Ferdinand von Walden MD, PhD

Scientific Posters

SP146: Function versus Diagnosis: Parental Perspectives on Access to Resources for Children with Disabilities in Ontario, Canada

Selamenesh Tsige Legas MD, Nicola Jones - Stokreef MD, Benjamin Klein MD

SP147: Exercise-Based Rehabilitation in a Rodent Model of Cerebral Palsy

Seri Lee, Jung Hwa Seo PhD, Jung Kang Jae MD, Sung-Rae Cho MD

SP148: Mealtime Behaviors in Autism

Shehani Bandara, Shyamani Hettiarachchi PhD

SP149: Family-Centered Developmental Intervention for High-risk Preterm Infants: Interim Outcomes of Feasibility and Safety from a Pilot Study

Soo Hyun Wi, Moon Suk Bang MD, Hyung-Ik Shin, Sung Eun Hyun, Min-Yong Lee, Sungbae Jo, Jung Hyun Kim PhD, Eun-Jeong Choi MS, Juhyeon Yeo, Woo Hyung Lee MD

SP150: Torsional Alignment of the Tibia on the Less Involved Side of Patients With Cerebral Palsy and a Hemiplegic Topographic Distribution.

Sophia Wang, Pari Palandjian, Minah Waraich, Silvia Zanini MS, Bridget Assip DPT, Jennifer Jezequel DPT, Dara Jones MD, Vishnu Deep Chandran PhD, David Scher MD, Paulo Selber MD, FSBOT, FRACS

SP151: Clinical Measures of Muscle Performance in Ambulatory Youth with Cerebral Palsy

Stephanie Butler DPT, Wade Shrader MD, Hannah Scott BS, Jose Salazar-Torres PhD, John Henley PhD, Chris Church MPT, Jason Howard MD, Nancy Lennon DPT, MS, PT

SP152: Clinical Predictors and Tube Design Factors Associated with Percutaneous Gastrojejunal Tube Replacement in Children at an Australian Tertiary Centre

Stephanie Nesbit, Susan Gibb MBBS, FRACP, Emily Littlejohn, Rachael Martin

SP153: Integrating Multidisciplinary, Family-Centered Care to Optimize Functional Outcomes in Children with Cerebral Palsy

Taras Voloshyn PhD, Igor Popovych

SP154: MindFlow Mastery: A Virtual Voyage to Teen Tranquility

Tatiana Ogourtsova PhD, Nicole Vilkoﬀ BSc, Amy Strazimirsi BSc

SP155: Determinants of Prone Locomotor Skill Acquisition in Infants at High Risk for Cerebral Palsy

Thubi Kolobe PhD, Laura Prosser PT, PhD, Beth Smith PT, DPT, PhD, Shirley James PhD, Julie Skorup PT, DPT, Morgan Alcott PT, DPT, Stephanie O'Leary PT, DPT, Victoria Wells, Sara DeMauro MD, Andrew Fagg PhD

SP156: Alteration of Spinal Serotonin Receptors After Prenatal Hypoxia Ischemia in an Animal Model

Tracy Santos, Landon Genry BS, Hope McCann, Emily Reedich PhD, Elvia Mena Avila PhD, Brendan Moline BS, Cassandra Kramer, Katharina Quinlan PhD, Marin Manuel

SP157: Tibialis Anterior Tendon Imbrication: The Effect on Gait Mechanics

Trevor Blanchard MD, James McCarthy MD, Jason Long PhD, Verena Schreiber MD

SP158: Caregiver Perspectives on the Experience of Early Detection and Diagnosis of Cerebral Palsy: A Scoping Review

Valerie Pieraccini MS OTR, Maria Baldino OTD, MS, OTR/L, BCP, Rochelle Reiss, Rylee Galovich, Alyssa Hernandez, Sara Stephenson OTD, OTR/L, BCPR, Lindsay Moore PT, DPT, PCS

SP159: Club BCI: A Group Brain-Computer Interface Program for Pediatric Social Participation

Vella Kim MSc, Alison Barnfather OT, MSc, Alicia Hilderley PhD, Daniel Comaduran Marquez PhD, Adam Kirton MD

Scientific Posters

SP160: Motion Analysis in Children with Cerebral Palsy After Proximal Femoral Hemiepiphyodesis

Verena Schreiber MD, Jason Long PhD, Trevor Blanchard MD, James McCarthy MD

SP161: Autonomic Imbalance as an Organizing Principle of Mental Functioning and Development: A Developmental Extension of the Somato-Psychic Pathway

Veronika Zivna Bc., B.S., M.Sc., M.A., GMBPsS, Boris Zivny M.D., IFAANS, FAACPDM, ASDCS

SP162: Impact of Robotic Knee Orthosis on Flexed-knee Gait in Children with Cerebral Palsy

Vishnu Deep Chandran PhD, Minah Waraich, Silvia Zanini MS, Bridget Assip DPT, Jennifer Jezequel DPT, Dara Jones MD, Paulo Selber MD, FSBOT, FRACS, Howard Hillstrom PhD, David Scher MD

SP163: Hallux Valgus Surgery in Children with Cerebral Palsy: A Retrospective Comparative Analysis of Non-Fusion Techniques versus Arthrodesis

Wade Shrader MD, Jason Howard MD, Arianna Trionfo MD, Chris Church MPT, Joseph McCahon

SP164: The Impact of Leg Length Discrepancy on Gait Deviations in Youth With Unilateral Cerebral Palsy

Zhe Yuan, Cenk Ermutlu, Wade Shrader MD, Chris Church MPT, John Henley PhD, Jose Salazar-Torres PhD, Freeman Miller MD

SP165: Prospective Multicenter Cohort Study of Neurodevelopmental Outcomes in Infants With Moderate-to-Severe Positional Cranial Deformities

Wang Yang, Hu Nan, He Li

SP166: Etiology of Cerebral Palsy is Associated with Functional Outcomes at 6 Years of Age: A Cerebral Palsy Research Network (CPRN) Clinical Registry Study

Jordan Wywra DO, Amanda Appel MD, MPH, Tanya Kenkre PhD, MPH, Stephen Wisniewski PhD, Wendy Pierce MD, Joyce Oleszek MD

SP167: Feasibility of Using DeepLabCut for Markerless Motion Tracking During Infant Reaching

Xiwen Su MS, Marie Kelly MPH, Hyunjoon Kim MS, Evan Yarnall BS, Claudio Ferre PhD

SP168: Extended Classification and Augmentation of Environmental Caregiver Strategies to Support Participation-Focused Pediatric Rehabilitation

Yebin Han, Gyeongun Lee, Vivian Villegas OTR/L, Mary Khetani ScD, OTR/L, FAOTA, Natalie Parde PhD

SP169: Selective Dorsal Rhizotomy for Confirmed and Suspected Genetic Forms of Cerebral Palsy: A Retrospective Study of 46 Cases

Yunsung Kim, Danielle Roth, Alexander Fay

Disclosure Index

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Disclosure Index

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Disclosure Index

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Disclosure Index

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Disclosure Index

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Disclosure Index

Full Name and Credentials	Financial Relationship
Colleen Peyton DPT, MSCJ	GM Trust: F
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Sarah Philbin PhD MPH	No Financial Relationships
John Phillips MD	No Financial Relationships
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Valerie Pieraccini MS	No Financial Relationships
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Wendy Pierce MD	Numotion: B
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Laura Prosser PT, PhD	No Financial Relationships
Qinyin Qiu	NeuroTechR3, Inc.: D
Katharina Quinlan PhD	No Financial Relationships
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Edwin Räsberg	No Financial Relationships
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Full Name and Credentials	Financial Relationship
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Hayley Sacks	No Financial Relationships
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Élida Santos MS	No Financial Relationships
Mariana Santos	No Financial Relationships
Tracy Santos	No Financial Relationships
Cristina Sarmiento MD	No Financial Relationships
Kimberly Sawyer MD, MA, HEC-C, FAAP	No Financial Relationships
Rachel Scheele	No Financial Relationships
David Scher MD	Bionic Power Inc: A
Mary Schmidt	No Financial Relationships
Verena Schreiber MD	Bioretec Ltd: A
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Idan Segal MD	No Financial Relationships
Ophir Segal MD	No Financial Relationships
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Sadra Shahdadian Ph.D.	No Financial Relationships
Javeria Shahid	No Financial Relationships
Brett Shannon MD	Johnson & Johnson Med Tech: A
Nithikaa Shashikanth	No Financial Relationships
Heather Shearer PhD	No Financial Relationships
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Vinitha Shenava MD	No Financial Relationships
Jordan Sheriko MD	No Financial Relationships
Eileen Shieh MD	No Financial Relationships
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BOKYUNG SHIN	No Financial Relationships
Noa Shitay Eyal	No Financial Relationships
Maurice Sholas MD PhD	Cingulum Health: D
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Disclosure Index

Full Name and Credentials	Financial Relationship
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Wade Shrader MD	No Financial Relationships
Michele Shusterman	No Financial Relationships
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Jessica Silveira PT, DPT, PhD	No Financial Relationships
Julie Skorup PT, DPT	No Financial Relationships
Bethany Sloane PT, DPT, PhD, PCS	No Financial Relationships
Beth Smith PT, DPT, PhD	No Financial Relationships
Julian Smith-Voudouris MS	No Financial Relationships
Sarah Sobotka MD, MSCP	No Financial Relationships
Joanna Soscia NP	No Financial Relationships
Christine Spence PhD	No Financial Relationships
Alicia Spittle PhD, MPhysio, BPhysio	No Financial Relationships
Rajashree Srinivasan MBBS	No Financial Relationships
Sudha Srinivasan PT, PhD	No Financial Relationships
Janelle Stanton	No Financial Relationships
Julia Starck	No Financial Relationships
Kristina Stein OTR/L	No Financial Relationships
Richard Stevenson MD	No Financial Relationships
Andrea Stoesz	No Financial Relationships
Amanda Stoltz PT, DPT	No Financial Relationships
Jean Stout PT, PhD	No Financial Relationships
Brent Streibig	No Financial Relationships
Nicki Stuart PT	No Financial Relationships
Lindsay Stutz MA, CCC-SLP	No Financial Relationships
Corri Stuyvenberg	No Financial Relationships
Cancan Su	No Financial Relationships
JING-WEN SU	No Financial Relationships
Xiwen Su MS	No Financial Relationships
Theresa Sukal-Moulton DPT, PhD	No Financial Relationships
Swati Surkar PT, PhD	No Financial Relationships
Ellen Sutter PT, DPT, PhD	No Financial Relationships
Diana Swaback MOTR/L	No Financial Relationships
Sean Tabaie MD, MBA	No Financial Relationships
Ellen Tahmasyan B.S.	No Financial Relationships
Satoshi Takada	No Financial Relationships
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Alice Taylor	No Financial Relationships
Jana Teagle MS, CTRS, CCLS, CBIS	No Financial Relationships
Ami Teodoro PA	No Financial Relationships
Molly Thomas PT, DPT, PCS	No Financial Relationships
Sruthi Thomas MD	No Financial Relationships
Sruthi Thomas MD, PhD	No Financial Relationships
Rachel Thompson	No Financial Relationships

Full Name and Credentials	Financial Relationship
Rachel Thompson MD	No Financial Relationships
Lisa Thornton	No Financial Relationships
Debbie Thorpe PT, PhD	No Financial Relationships
Sandra Tierney PhD, MSSW	No Financial Relationships
Chris Toelle L/CO	Hanger Inc: B
Melanie Tolensky	No Financial Relationships
Micaela Tomaro	No Financial Relationships
Kristine Tomczyk	No Financial Relationships
Åsa Tornberg	No Financial Relationships
Carolina Toro MD	No Financial Relationships
Margarita Torres DPT	No Financial Relationships
Arianna Trionfo MD	No Financial Relationships
Joyce Trost PT, PhD	Ipsen: G Neurocrine biosciences: H Tellus Therapeutics: A
Mary Rebekah Trucks MS, OTR/L	No Financial Relationships
Corinne Tuck	No Financial Relationships
Jennifer Tucker PT, DPT, PhD	No Financial Relationships
Kirsten Tulchin-Francis PhD	Analog Devices, Inc: J Orthopediatrics: I
Sarah Turgeon Desilets	No Financial Relationships
Nadia Ulanowska	No Financial Relationships
Vitoria Urruchia	No Financial Relationships
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Renee Van Stralen MD	No Financial Relationships
Inti Vanmechelen	No Financial Relationships
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Isabelle Vaux	No Financial Relationships
Alireza Vaysi M.Sc.	No Financial Relationships
Srijan Velamuri	No Financial Relationships
Sarah Vermilyea MS, RD, CSP, LD, CNSC	Global Nestle: E Nutricia: F
Melissa Villegas MD	No Financial Relationships
Brittany Virgil PT, DPT	No Financial Relationships
Taras Voloshyn PhD	No Financial Relationships
Ferdinand von Walden MD, PhD	No Financial Relationships
Carley Vuillermin MBBS MPH FRACS	No Financial Relationships
Lisa Wagner DHS, OTR/L	No Financial Relationships
Nilly Waiserberg PT, PhD	No Financial Relationships
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Dory Wallace	No Financial Relationships
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Sophia Wang	No Financial Relationships
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Disclosure Index

Full Name and Credentials	Financial Relationship
Arshdeep Waring	No Financial Relationships
Paige Warner	No Financial Relationships
Colyn Watkins MD	No Financial Relationships
Madeline Weismiller DPT	No Financial Relationships
Amanda Whitaker MD	No Financial Relationships
Logan White MS	No Financial Relationships
Keisha White Makinde MD, MPH	No Financial Relationships
Noelle Whyte MD	No Financial Relationships
Soohyun Wi	No Financial Relationships
Priyanwada Wijayasinghe	No Financial Relationships
Steven Wilding MD	No Financial Relationships
Robert Wimberly MD	Elsevier: I
Amanda Wirth PT, DPT, PCS	No Financial Relationships
Brian Wishart DO, MMS	No Financial Relationships
Jodi Wolff MS	Baxter HealthCare: B
Jodi Wolff RD	Baxter International: B
Cynthia Wozow DO	No Financial Relationships
Elizabeth Wright-Jin MD, PhD	No Financial Relationships
Yi-Ning Wu PhD	No Financial Relationships
Mara Yale Ph.D.,GCFP, SEP	No Financial Relationships
Wang Yang	No Financial Relationships
Evan Yarnall	No Financial Relationships
Paul Yoo PhD, OT	No Financial Relationships
Fen Youmans DPT	No Financial Relationships
Markus Zaplachinski	No Financial Relationships
Kathleen Zibell MBBS	No Financial Relationships
Amy Zimmerman MD	No Financial Relationships
Erik Zimmerman BS	No Financial Relationships
Veronika Zivna Bc., B.S., M.Sc., M.A., GMBPsS	No Financial Relationships
Boris Zivny M.D., IFAANS, FAACPDM, ASDCS	No Financial Relationships

Presentation Author Index

A

Abousamra , Oussama , N6
Abraham , Annie , EDU09
Absalon , Elena , EDU49
Acosta Jr., Fernando , K6, P1
Ada , Louise , A2
Adjei , Chanelle , L8
Advisory Group , Phelps Center
Research , R3, R6
Ahmadi , Matthew , N4
Akamagwuna , Unoma , EDU12
Akins , Robert E, A8, B6, B7, PC1
Alazem , Hana F, C3, J1
Alcott , Morgan M, Q6, T8
Aldrich , Anne , H4
Aleide , Montaha , E6
Allen , Maya , H1
Almasri , Nihad A., E6
Amacker , Christine , C7, N5, EDU52
Amado , Nathalia , C6
Amechi , Martins , C7, N5
Anari , Jason B, S8
Anderson , Peter , Q3
Andersson , Kristina , C1, EDU37
Apostolidis , Georgios , I1
Araneda , Rodrigo , Q7
Araujo , Clarice , T2
Aravamuthan , Bhooma R, O3, PC1
Ari , Ali , D2
Armand , Stéphane , R2
Armstrong , Ellen , N4
Aronow , Bruce J, J5, S4
Asma , Ali , S6
Assip , Bridget A, EDU36
Atalan Efkere , Pelin , D2
Attal , Radhika , Q8
Austing , Emma M, G4
Cunha , Andrea B, G2, Q1,
EDU11, EDU27

B

Babik , Iryna , EDU27
Badawi , Nadia , H6, O6
Baddour , Natalie , C3
Baduni , Kanishka , A4
Baghdadi , Soroush , L1, M8
Bagley , Anita M, C2, C8
Bailes , Amy F, J5, S4
Bailey , Jacob M., T2
Bain , Jennifer M, EDU63
Bainton , Nikki , M2
Baker , Linda A., C6
Baker , Sarah , K5, P8
Baldwin , Keith D, M3, M6
Bandara , Shehani H, E2
Bania , Theofani A, A2

Barany , Deborah A, A7
Barbosa , Vanessa M., D7
Barbutto , Amy E, C5
Barkoudah , Elizabeth , EDU21
Barnfather , Alison , P3
Barry , Ella , H8
Bartonek , Āsa , A3
Bassan , Haim , L2
Batish , Mona , A8, B7, PC1
Batra , Abhinandan , N2
Bauer , Corinna , K8, EDU03
Bauer , Jeremy P, B1, C2, C8, I6, S7,
EDU35, EDU49
Baysarowich , Renee , O4, EDU05
Bedosivilli , Ana , D3, F2, PC8
Belcher , Harolyn ME, R6
Bemis , Katie , K7, P6
Benfer , Katherine N, D3
Benton , Toni R, PC7, EDU14
Berggren , Jamie , Q4
Berry , Alexander , B2, F3
Berry , Jane , H6
Berry , Jay , L7
Bhatnagar , Surbhi , J5, S4
Bhavsar , Dhruv , C3
Biagioni , Tommaso N, K1, K3
Bican , Rachel L, EDU70
Bickley , Christina , C5
Bjornson , Kristie F, N1, N2, N3,
O1, P4, EDU53
Blackwood , Victoria , I4
Blake , Tamara , N4
Blatt , Kristen , EDU70
Blazek , Monica A, PC7
Bleyenheuft , Yannick , Q7
Blume , Elizabeth D, L7
Bockelman , Gladys , F7
Bomar , James D, M4
Bonezzi , Linda , F2, K1, K3
Bonneyfoy-Mazure , Alice , R2
Boswell , Lynn , A1, A5, D4, D7, O8
Bouyer , Laurent , T5
Bowman , Angeline , EDU06
Boyd , Roslyn N, A1, A5, D3, D4,
D5, F2, G8, K1, K3, PC2, PC8,
EDU13, EDU40
Boyer , Elizabeth R, N8, R1,
R5, R8, EDU30
Brady , Kit , EDU01
Brandenburg , Joline E, O1
Brasher Lewis , Awtum , B1
Braybrook , Charlene , H8
Brea , Cristina , EDU25
Bricker , Renee , E5
Brooks , Jaysson , M7
Broström , Eva , I1

Buah , Sydney E, R6
Bunkell , Lizabeth , I2, I4
Burgess , Andrea N, N4
Burnsed , Jennifer , D6
Busboom , Morgan , P6
Busières , André , H5
Butera , Christiana D, Q1
Butler , Stephanie , C4, I5, I7
Byrne , Rachel , PC8, EDU66

C

Cahill , Patrick , S8
Campbell , Claudia , R3
Campbell , Richard , M4
Çangur , Ecem Yildiz , D2
Capron , MPH , Maclain , E8, J6
Caravia , Crystal , J4
Cardoso , Mia , P7
Carey , Abby , E7
Carry , Patrick , L3
Carton de Tournai , Astrid , Q7
Casey , Cameron P, K2
Cassidy , Caitlin , PC4
Chafetz , Ross S, C2, C8, S5
Chaganti , Akshitha , H1
Challman , Thomas , F3
Chambers , Hank G, N5, PC5,
EDU01, EDU52
Chambers , Henry , GS2
Chambers , Jill , EDU01
Chandel , Alka , S4
Chandna , Arvind , F1
Chaudhary , Prasanna , R1, R5, R8
chen , chen , S3
Cheung , Kevin , C3
Chin , Eric M, K4, R1, R3, R5, R6, R8
Chin , Nerissa A, M1
Chiu , Hedva , J1
Chiu , Hsiu-Ching , A2
Chole , Dana B, EDU61
Chorna , Olena , D3
Chowdhury , Sayak , D3
Christa , Christa , O8
Christian , Regan , K6, P1
Chu , Alice , G6, T4
Church , Chris , C4, I3, I5, I7
Ciccodicola , Eva , N6
Clark , Jensine , PC4, EDU43, EDU55
Clark , Katherine L, EDU20
Clay , Michael D, G4
Clodt , Erika , I1, EDU19
Cohen , Pinchas , B5
Colaiani , Sarah , EDU59
Coleman , Thomas , S8
Collender , Lara L, R3
Collins , John , C7, N5

Presentation Author Index

- Collins , Kellie M, K2
Colquitt , Gavin , PC11,
EDU23, EDU65
Comaduran Marquez , Daniel
, P3, EDU54
Conaway , Mark R, Q2
Condiliffe , Elizabeth G, G3, PC10
Cooper , Monica S, PC7
Corbett , Mark , B2
Corell , Linnéa , B3, B5
Corr , Brad , K7, P6
Costello , Carrie , H5
Coughlan , John , EDU24, EDU41
Courter , Robert , C2
Cronin , Hannah , P7
Cunningham , Kristin , EDU38
Curran , Patrick , C7, N5,
EDU52, EDU67
Cutler , Amy , EDU62
- D**
Da Cruz , Emily , M2
Dahan-Oliel , Noemi , T2
Dajani , Al Hassan , L1, M8
Damiano , Diane L, GS2
Dan , Bernard , O6
Darragh , Amy , Q2, EDU45
Daskon , Lasanthi , E2
Davids , Jon R., B1, I6, S5, S7,
EDU35, EDU52
Davis , Kimberly C, EDU12
Day , Steven , O6
Dayanidhi , Sudarshan , PC1, EDU47
Dayton , Bridget M, J2
De , Sayan , L3, S2
De Beukelaer , Nathalie , O2
De Bruyn , Nele , O2
De Clerck , Célia , Q7
De Coulon , Geraldo , R2
de la Rosa , Jennifer , EDU25
De Silva , Shanika , L7
DeLuca , Stephanie C, J8, Q2,
EDU17, EDU45
Denomey , Nicholas , O4
deRegnier , Raye-Ann , A1, A5, D1,
D4, D7, O8
Deshpande , Supreet L, L5
D'Haene , Loic , O2
Dhamdhare , Saylee , EDU09
Diallo , Hadja , T7
Diener , Lara , N1, N2
Dietz , Irene C, PC7
Dietzen , Anton , EDU50
DiFazio , Rachel L, E1, L7
Dilfer , Karen , F5
Dimitropoulou , Katherine, E7, EDU46
- Dissanayake , Thamali , E2
Dixit , Priyanka , O4
Dodds , Cynthia Brown., T1,
EDU17, EDU29
Doherty , Dan , GS1
Domenighetti , Andrea A, B8
Donahue , Seth , C2, C8
Dopke , Kelly , M4
Doucet , Gaëlle E., P2
Downey , Max , E8, I7, J6
Drottler , Marie , K8
Duff , Susan V, Q4, EDU33
Dugan , Eric L, C5
Dursun , Nigar , B4
Dusing , Stacey C, D6, Q1, Q3, Q8,
EDU03, EDU27
Dutia , Iain , N4
- E**
Earleywine , Dahlia , E5
Ebner-Karestinos , Daniela , Q7
Edman , Sebastian , B3, B5, EDU47
Edwards , Anne B, R4
Eeles , Abbey L, Q3
Eickhoff , Jens , K2
Eilig , Dynai , PC11, EDU07
Elbasan , Bulent , D2
Eldred , Karin , G3
Elftali , Mehdi , M2
Eliasson , Ann-Christin , J7
Emans , John , L7
Enlow , Nicole M, H7, EDU22
Enlow , Paul , E3, H7, EDU39
Etshman , Sarah , EDU68
Evans , Sarah H, PC10
Eveld , Maura , C8
- F**
Fagg , Andrew H, Q5, T8
Fairchild , Karen , D8
Fedeli , Francesca , EDU41
Fehring , Susan M, Q3
Feldner , Heather A, T3,
EDU26, EDU31
Feng , Haoran , S3
Fernandez Gonzalo , Rodrigo , B3
Ferreira , Astrid , H6
Fetsko , Lauren , EDU34, EDU43
Feuerstein , Julie L, EDU31
Filliter , Jillian H, H5
Finlayson , Marcia , J3
Finnegan , Caitlin , G6
Fiori , Simona N, K1, K3
Fishman , Farryl , EDU59
Folkmann , Elizabeth , D1
Folmann , Sarah , P7
- Fonkoue , Ida Tchuisseu, D6
Foreman , Karen , H8
Forssberg , Hans , F6
Fortin , Elizabeth , G2
Frankovitch , Lauren , O4
Freeman , Colby M, M3, M6
Frisina , Cynthia , EDU28
Frumberg , David B, M5
Fu , Guibing , S3
Fulton , Daralyn K, J2
- G**
Gaebler-Spira , Deborah J, EDU16
Gagnier , Meghan , P7
Galvin-McLaughlin , Deirdre
, F7, EDU31
Gannotti , Mary E, O1, R1, R4,
R5, R8, EDU55
Gardas , Shailesh S, G1, P5
Gathy , Estelle , Q7
Gecz , Jozef , B2
Gehringer , James , G2
Gelkop , Nava , O7
Georgieff , Michael K, K2
Gerhardt , Nicole M, J6
Gerhardt , OTD , Nicole , E8
Ghabel Damirchi , Behnam , K6
Ghazi , Mustafa , Q5
Ghosh , Asis Kumar., D3
Ghillick , Bernadette T, K2, EDU29
Giuashvili , Tika , D3, F2
Glader , Laurie , O1, PC2,
EDU56, EDU62
Glanzman , Allan M, S8
Glaros , Chloe , R7
Goetgeluck , Alison , A1, A5,
D4, D7, O8
Goetz , Helly , O4, PC10, EDU05
Goldsmith , Shona , O6
Goldstein , Richard D, L7
Golzar , Autreen , L1, M8
Gomersall , Sjaan N, G8
Goodbody , Christine M, M3, M6
Gordon , Anya , A1, A5, D4
Gormley , Caroline , L5
Gormley Jr., Mark , L5, EDU01,
EDU24, EDU66
Graf , Adam , S5
Granados Garcia , Gabriela , H2
Grauer , Jonathan N, M5
Graupman , Patrick , L5
Gray , Julia , L4
Greve , Kelly R, G4, J5, S4,
EDU53, EDU61
Grewal , Keerit , H1
Groen , Jason , O4

Presentation Author Index

Gross, Paul H, O3, EDU06
Gu, Zhenkun, S3
Guerrero Gonzalez, Jose M, K2
Guillot, Ashley, H1, P7, T7
Gunewardena, Niluka, E2
Gupta, Anuj, S6
Gürler Ari, Berna, D2
Guzman, Tess, J5, S4
Guzzetta, Andrea, D3, F2

H

Haapala, Heidi, PC4, EDU55
Haas, Rochelle, EDU39
Habib, Dan, GS3
Hadouiri, Nawale, R2
Hall, Jamie B, EDU61
Hallgren, Tanner, G1
Hamad, Christopher D, L1, M8
Hanson, Alison M, N6
Hara, Reiko, M1
Harbourne, Regina T, Q1, EDU27
Harpster, Karen L, F1
Harrington, Joseph, N7
Harris, Angela, PC7
Harris Whaley, Ashley H, EDU08, EDU16, EDU41
Hasnat, Monika, H8
Healy, Michael T, EDU44
Heathcock, Jill, G7, Q2, EDU45
Hedequist, Daniel, L7
Hedgecock, James B, EDU61
Heimert, Sandra, EDU14
Heinrichs-Graham, Elizabeth, K5, K7, P6, P8
Hendricks-Muñoz, Karen D, D6
Henley, John, C4
Hennel, Sabine, H8
Henty, Gillian, Q3
Herman, Enimie, Q7
Herrero, Christina, PC6, EDU32
Hervo, Jeromine, EDU15
Hettiarachchi, Shyamani, E2
Hicks, Jonathan R, B6
Higgins, Courtenay, EDU59
Higgins, Katherine, EDU59
Hilderley, Alicia, C3, P3, EDU54
Hiller, Amy D, EDU42
Himmelmann, Kate, O6
Hjalmarsson, Emma, B3, B5
Hnatiuk, Holly, P3
Hobart-Porter, Laura J, EDU18
Hoffman, Alice, EDU39
Hollung, Sandra Julsen, O6
Horn, B. David D, M3, M6
Horn, Riley, C7, N5
Horwath, Oscar, B3, B5, EDU47

Howard, Jason J., F4, I5, S6, PC6, EDU32
Howell, Brittany, J8
Howell, David R, L3
Hsu, Lin-Ya, Q1
Huang, Joyce, S8
Huang, Weihua, P5
Hughes, Amy, EDU62
Hulst, Jessie M, PC9, EDU64
Hunt, Vanessa, H2, J2
Hurvitz, Edward A, R1, R5, R7, R8
Hurvitz, Philip M, N1, N3
Huysentruyt, Koen, PC9, EDU64
Hwang, Steven, M7
Hyer, Lauren C., T2
Hyman, Joshua E, M2

I

Ide, William W, EDU50
Ingraham, Kimberly, T3
Iranthika, Hasini, E2
Ishmael, Terrence, M7
Iverson, Jana M., F7, EDU26
Iyer, Kavya, J8

J

Jacobsson, Bo, O6
Jaffe, Ashlee, PC10
Jakiel, Shelley, A7
Jakubowski, Madeline, H1, P7, T7
James, Shirley A., Q5, T8
Jantzie, Lauren L, PC1
Jarvis, Zaria, H1
Jayaraman, Arun, D1
Jeans, Kelly A, I2, I4
Jedraszko, Aneta M., D7, O8
Jesus, Anna, E5, EDU21
Jewell, Deanna, EDU48
Jezequel, Jennifer, EDU36
Johansen, Taylor, O4
Johansson, Alexander, T3
Johns, Alicia, F3
Jones, Amy, H6
Jones, Catherine, EDU07
Jones, Dara, EDU36
Jones, Sarah M, E5
Jonnalagadda, Puji, J2
Joseph, Christopher F, O1

K

Kadioglu, Mustafa, B4
Kalisperis, Faithe R, I7
Kaperick, Virginia, EDU57
Karkenny, Alexa J, PC6
Karumattu Manattu, Arun M, K2, EDU29
Katsma, Mark, EDU67

Katus, Linn, EDU63
Katz-Leurer, Michal, O7
Kaush, Sherry, D8
Kay, Robert M., M1, N6, O5
Keckskemethy, Heidi H, L4, L8, EDU57
Keller, Everette, T1
Keller, Connor P., H4
Kenkre, Tanya S, O1
Keramat, Syed Afroz, N4
Kessler, Valerie, F8
Khamis, Amanda, H6
Khan, Owais A., K5, K7, P2, P8
Kilcioglu, Seyma, Q7
Kilgour, Gaela N, G8
Kim, Chan-Mi, K8
Kim, Heakyung, EDU09
Kim, Peter D, L5
Kim, Vella, P3
Kimbrell, Brooke, K6, P1
Kingston, David C, N7
Kinney-Lang, Eli, P3
Kirtan, Adam, P3, PC10, EDU54
Kjeldsen, Caitlin, A4
Koehler, Linda, D6
Kolobe, Thubi H, Q5, T8
Koop, Steven, EDU30
Kozaris, Beth, Q3
Krach, Linda E, R1, R5, R8
Krajewski, Kellen T, L3, S2
Kruger, Karen, C2, C8
Krzak, Joseph J, C2, C8
Kulkarni, Vedant A., C8, S5, PC6, EDU52, EDU67
Kumavor, Patrick, H1, P7, T7
Kuwrowski, Brad G, J5, S4
Kurz, Max J, K5, K7, P2, P6, P8
Kutch, Jason J, Q4

L

LaForme Fiss, Alyssa, C5
Laird, Nicole, H7, EDU22
Lake, Doug, D8
Lambert, Nury, EDU59
Lanner, Johanna T, B3
Larin, Michelle, J1
Ledbetter, David, A6, B2, F3
Lee, Donghyun, G6
Lee, Vivian, EDU05
Legas, Selamenesh Tsigie, F6, EDU58
Legesse, Atsede Teklehaimanot Teklehaimanot, L6
Legg, Mallory, EDU18
Leiby, Benjamin, Q4
Lemaire, Edward, C3
Lennon, Nancy, C4, E8, I3, I5, I7

Presentation Author Index

Lenzo Werner , Janelle , G6
Letzkus , Lisa , D8, EDU62
Levac , Danielle E, EDU15
Lewis , Amanda M, H7
Lewis , Jessica , C6, EDU70
Liang , Adriana , N4
Libertin , Juliana , J4
Licea , Joel , N1, N2, N3, P4
Lidbeck , Cecilia , A3, C1
Lieber , Richard L, B8, D1
Liegel , Sara , EDU34
Limoges , Natalie , EDU60
Lingam , Shriyaus , T4
Liu , Timothy , L1, M8
Lo , Warren , Q2
Lobo , Michele A, EDU27
Lock , Sarah , EDU25
Logue , Jamian , O4
London , Vivian , P7
Long , Helen L, F8
Löwing , Josefin , J7
Löwing , Kristina , J7
Lucas , Elizabeth J, EDU42
Lucero , Karen G, EDU14
Luke , Carly , A1, A5, D3, D4, D5, F2, PC8, EDU13
Lukemire , Joshua , A4
Lyman , Jennifer , PC11

M

Ma , Marina , EDU12
Macneille , Stephen , T4
MacWilliams , Bruce A, I6, S7
Maglio , Erin , F8
Maitre , Nathalie L, A4, H3, EDU23, EDU66
Majnemer , Annette , H5
Mak , Veronika , EDU29
Malagon , Felipe , I3
Maldonado , Sheila , J2
Mann , Imani , A1, A5, D4
Mann , Kilby , EDU48
Manoukian , Manouk , L3
Manousaki , Evgenia , C1, I1, EDU19, EDU37
Manske , M Claire , PC3, EDU69
Marchinko , Simon G, G3
Mariani , Juliana , L7
Marks , Warren A, K6, P1
Marra , Larken , A4
Marsh , Adam , B6, PC1
Martin , Christa , A6, F3
Martin , Nick , B2
Martin , Renee , Q2
Marupudi , Neena I, EDU06
Massey , Jill D, H6

Mathew , Smitha E, N7
Matsumoto , Hiroko , S8
Matthews , Scott Scott, EDU59
Maus , Elizabeth , G7
McAdams , Ryan M, K2
McCarthy , James M, EDU02
McCarthy , Megan , F1
McClelland , Carmen , EDU14
McCormick , Anna M, C3, J1
McDermott , Carly S, E4
Mcintyre , Sarah , O6
McMulkin , Mark L, I6, S7
McNamara , Lynda M, H6
McPhee , Patrick G, O3
Mehta , Priyanka , T4
Meier , Erika , F5
mekasha' , Amha , F6
Mekuanint , Kalkidan , L6
Mensah , Nia I, Q8
Mercante , Donald , N3, P4
Meyers , Madison A, G4
Miller , Freeman , I3
Miller , Patricia E, E1, E4
Miller , Stacey D, PC2
Mintz , Kevin T, EDU17
Mitchel , Marissa W, A6
Mitchell , Brittany , B2
Mitchell , Katy , C5
Mitelpunkt , Alexis , J5, S4
Modlesky , Christopher M, A7, EDU65
Moges , Ayalew , F6
Molinini , Rebecca , D6
Moll , stanley , EDU07
Moran , Thomas E, PC11, EDU65
Moreau , Noelle G, N1, N2, N3, P4, EDU53
Morgan , Catherine , H6, EDU51
Moritz , Chet T, EDU33
Morris , Megan , R7
Mulcahey , Mary Jane 'MJ' , EDU33
Mulcahey , MJ , J6
Mulcahey , MJ , E8
Murenin , Brooke , T1
Murphy , Kevin P, PC5
Murray , Marie R, E4
Myers , Scott M, A6, B2, F3
Mysore , Amog , T4

N

Najarian , Christopher , EDU16
Narayanan , Unni G, EDU06, EDU44, EDU56
Natrasony , Candice , G3
Naulaers , Gunnar , O2
Nazier , Suci A, G7
Neel , Mary , A4

Nelson , Jennifer A, N8
Nemanich , Samuel T, EDU10
Newton , Peter , M7
Niermann , Micah , EDU24
Nitkin , Ralph , EDU28
Nixon , Michelle , F3
Noritz , Garey H, R4, PC5, EDU48
Norman , Benjamin , G3
Norrbom , Jessica , B5
Norris , Megan , EDU42
Novacheck , Tom F, T5
Novak , Iona , H6, EDU51
Noyek , Samantha , H5

O

O'Donnell , Maureen , H5
O'Brien , Megan K, D1
O'Bright , Therese M, EDU25
O'Connell , Mia , M2
Oetjens , Matthew , B2
Ofstedal , Stina , N4
Ogourtsova , Tatiana , H5, PC8
Oh , Jinseok , Q8
O'Leary , Stephanie , T8
Olesch , Christine , H8
Onodera , Mia , T3
Orlando , Julie M, EDU38
Örtqvist , Maria , J7
Ota , Yuri , S8
Owens , Laura L, L4, L8, EDU57
Ozer , Torehan , B4

P

Padilla , Abigail , O5
Pahys , Joshua , M7
Pajor , Nathan M, S4
Palisano , Robert , O7
Pantlasigiu , Neil , N1, N2
Pannek , Kerstin , K1, K3
Papadelis , Christos , K6, P1
Pape , Marcy , EDU04
Pappas , Alexander , T7
Parashar , Vijay , A8, B7
Paremski , Athylia C, O6
Parrett , Matthew , C6
Parternak , Amy , S8
Patel , Harshill , T4
Patel , Roshan V, T4
Patuelli , Luca , EDU58
Perera , Nirushi , E2
Permarshwar , Vydia , J8
Peterson , Devin C., EDU07
Peterson , Mark , EDU08, EDU47
Peterson , Michael J., EDU25
Peyton , Colleen , A1, A5, D4, D5, PC8, EDU13

Presentation Author Index

Pham , Kelly , PC2
Philbin , Sarah E, EDU08
Phillips , John P, EDU14
Pidcoe , Pete , Q4
Pieraccini , Valerie , EDU66
Pierce , Samuel R, EDU38
Pigford , Ashley , PC10
Pillai , Rajapillai L. I., EDU21
Plasschaert , Lennert , S8
Plews-Ogan , Erin , E5
Plews-Ogan , Margaret , E5
Ponrartana , Alyssa , M1
Pontén , Eva M, EDU19
Pool , Dayna , N4
Prais , Katelyn , G6
Previl , Tara , J1
Pritchard , Lesley , G3
Prosser , Laura A, Q6, T8,
PC8, EDU26

Q

Quinlan , Katharina A, PC1

R

Rackauskaite , Gija , O6
Rader , Anne , R4
Rahman , Simin , A7
Rahman , Tariq , F4
Ramey , Craig T, Q2
Ramey , Sharon
Landesman , Q2, EDU45
Ramsey , Justin W, EDU16
Ranaweera , Mahishi , E2
Rao , Raghavendra , K2
Råsberg , Edwin , C1, EDU37
Rauch , Kimberly K., PC7, EDU55
Raza , Sarah , O4, EDU05
Ream , Margie A, EDU42
Reedman , Sarah E, G8, N4, EDU40
Reimeringer , Mikael , A3
Reitzner , Stefan M, B3, B5
Remedios , Jessica , O4, EDU05
Rempel , Gina R, PC9, EDU64
Ren , Ningtao , S3
Renders , Anne , Q7
Resnick , Brittany , PC10
Rethlefsen , Susan , M1, N6
Reyes , Fabiola I, J2
Reynolds , Robert J, O6
Rhodes , Jason T, L3
Rice , Melissa L, F1
Rice , Sydney , H4
Rich , Tonya L., D6
Rinat , Barak , L2
Riordan , Heather RM, R3,
EDU28, EDU63

Rittler , Angela , T6
Roberts , Heather , H2, J2, T6
Robinson , Karyn , A8, B6, B7
Rodby-Bousquet , Elisabet , I1
Rogers , John A., D1
Romero Carpio , Brigitte M, A8, B7
Rosenthal , Carly d, EDU39
Roth , Emily , E5
Rowan , Mallory , C6
Rowley , Danette , P3
Rubsam , Meaghan , J4, EDU61
Rudkin , Alannah , Q3
Ruest , Nicole , P3

S

Sadowski , Julia , F5
Sakzewski , Leanne , G8, N4
Sala , Debra , G6
Salazar-Torres , Jose J, C4, I3, I5, I7
Salib , Paul J., R3, R6
Samdani , Amer , M7
Samuel , Neha , T7
Sanchez , Joshua G, M5
Sanders , Cristina M, EDU43
Sargent , Barbara , Q1, Q4
Sarmiento , Cristina A, R1, R5, R7, R8
Savatt , Juliann , F3
Sawyer , Kimberly E, EDU12
Scalzo , Katherine L, P6
Scharf , Rebecca , E5
Schauer , Kevin T, S2
Scher , David M, EDU36
Schmidt , Mary , PC4, EDU55
Schreiber , Verena M, PC7, EDU02
Schwartz , Terry L, F1
Scott , Hannah , I5
Scott , Kimberley S, K7, P6
Segal , Idan , L2
Segal , Ophir , M2
Selber , Paulo , EDU36
Şengür , Abdulkadir , D2
Serafim , Barbara , M3, M6
Seth , Akshay , C3
Shaffer , Thomas H, F4
Shah , Julia A, EDU60
Shah , Suken A, M7
Shahdadian , Sadra , K6, P1
Shannon , Brett , S6, PC6, EDU68
Shashikanth , Nithikaa , EDU58
Shazard , Kamran , B1
Sheppard Jr., William , L1, M8
Sheriko , Jordan , EDU32
Shieh , Eileen , EDU39
Shierk , Angela , H2, J2, EDU04
Sholas , Maurice G, EDU18
Shore , Benjamin J, E1, E4,
EDU02, EDU68
Shotande , Monique O, T8
Shoval , Aura Aura., PC11, EDU03
Shrader , Benjamin , GS2
Shrader , Carol M, EDU56
Shrader , Claire , PC10
Shrader , Wade , A8, B7, C4, E3, E8,
F4, H7, I3, I5, I7, J6, S6, EDU68
Shumaker , Stacey , R3
Siegel , Rebecca , EDU60
Sienko , Susan E., B1, C2, C8, I6, S7,
EDU04, EDU35
Silva , Mauricio , L1, M8
Silverman , Rachel , H1
Sindorf , Jacob , D1
Singh , Tarkeshwar , A7
Sitabkhan , Amy , H2
Skinner , Alena , GS2, EDU41
Skorup , Julie A, Q5, Q6, T8
Sloane , Bethany , T3, EDU31
Smith , Beth A, Q8, T8
Smith , Treva , J2
Smith-Voudouris , Julian , M5
Snyder , Brian D, E1, E4, S8
Sobotka , Sarah A, F5
Sofield , Megan , E7
Song , Debbie , L5
Song , Yanlong , P1
Spence , Christine , D6, Q1
Spiegel , David A, M3, M6
Spittle , Alicia Jane, Q3, PC8
Spoonier , Rachel , K5, K7, P2, P6
Srinivasan , Rajashree , EDU09
Srinivasan , Sudha M, H1, P7, T7,
EDU10, EDU11
Stanfield , Julia , F8
Stanton , Janelle E, A6
Starck , Julia , B5
Steele , Katherine M, GS2
Stein , Kristina , A1, A5, D4, D7
Stevanovic , Milan , Q4
Stevenson , Richard D, D6, J8, GS1,
PC9, EDU64
Stockhausen , Jessica L, L3, S2
Stoesz , Andrea , EDU24
Stoltz , Amanda , EDU35, EDU49
Stout , Jean L., N6, T5, EDU30, EDU44
Streibig , Brent Dylan, EDU43
Stutz , Lindsay , EDU20
Stuyvenberg , Corri L, D6
Su , Cancan , C3
Sukal-Moulton , Theresa , A1, A5, D4,
D5, EDU04, EDU13
Sullivan , Margaret , L7
Surabhi , Keerthana , P5

Presentation Author Index

Surkar , Swati M., G1, G2, P5,
EDU10, EDU11
Sutter , Ellen N, EDU26
Swartz , Sarah , H7, EDU22
Szatmari , Erzsebet , P5

T

Tabaie , Sean , C6
Tabard-Fougere , Anne , R2
Tafone , Sara , G7
Tahmasyan , Ellen , O5
Takada , Satoshi , S6
Taneichi , Hiroshi , S6
Tashivilli , Nana , D3, F2
Tashivilli , Sofia , F2
Tasnim , Farzana , T8
Taylor , Alice , F4, I7, S6
Taylor , Daveida , I7
Teagle , Jana , E3, EDU22
Thomas , Jodi , B2
Thomas , Ryan , G2
Thomas , Sruthi P, PC2
Thompson , Rachel , C7, M4, N5, PC6
Thorley , Megan , D5
Thorpe , Debbie E, PC7, EDU03
Thothadri , Monika , M6
Tian , Yan , D2
Tierney , Sandra C, EDU30
Tin , Alex , L5
Tolensky , Melanie , EDU54
Tomczyk , Kristine , EDU07
Tompowski , Phillip , A4
Treyvaud , Karli , Q3
Trionfo , Arianna , C4, F4, I3, PC6,
EDU02, EDU68
Trost , Joyce P, O3, EDU04
Trost , Stewart N, G8
Trucks , Mary Rebekah , Q2, EDU45
Tu , Albert , C3
Tuck , Corinne , EDU54
Tucker , Jennifer , EDU31
Tulchin-Francis , Kirsten , C6
Turgeon Desilets , Sarah , EDU58

U

Uzun Akkaya , Kamile , D2

V

Vaillancourt , Monica , H5
Valencia , Francisco , H4
Valentine , Erika , S2
Valenzuela-Moss , Jacquelyn , N6
Van den Broeck , Christine , O2
van Eyk , Clare L, B2
van Stone , Maureen , EDU28
Vanderbilt , Douglas , Q1
Vandermeeren , Yves , Q7

Vanmechelen , Inti , A3, C1, EDU37
Vargus-Adams , Jilda , J5, S4, PC2
Vaysi , Alireza , K6, P1
Vazquez , Oscar , R2
Veitzman , Silvina , F1
Velamuri , Srijan , K4
Vermilyea , Sarah , PC9, EDU64
Vessey , Judith A, E1
Villegas , Melissa , PC4, EDU34
Virgil , Brittany A, I7, I8
von Walden , Ferdinand , B3, B5, J7,
EDU40, EDU47
Vuillemin , Carley , PC3, EDU69

W

Wade , Eric , Q4
Wagner , Lisa V, EDU04
Waiserberg , Nilly , O7
Waldron , Sean , C2
Walisundara , Dilini , E2
Wallace , Dorian , Q2
Wallace , Dory , EDU45
Walsh , Brian H, H3
Walsh , Lauren , F3
Walt , Katie J, EDU44
Wan , Junxiang , B5
Wang , Ruoli , A3
Ward , Marcie , EDU25
Warner , Paige , M2
Warshauer , Spencer , C2
Waters , Heather , C7, N5
Watkins , Colyn J, E4
Weerasinghe , Reshani , E2
Wells , Victoria , Q5
Westberry , David E, T2
Wheeler , Lorey A, Q1
Whelan , Nghi , H8
White , Logan T, P8
White , Patience H, GS4
Whitten , Sydni , A7
Wiener , Joshua , L1, M8
Willett , Sandra L., G2, Q1
Williamson , Judy M, H6
Wilson , Steve , C6
Wilson , Tony W, K5, K7, P2, P6, P8
Wimberly , Robert , I2, I4
Wishart , Brian D, E7, EDU46
Wisniewski , Stephen , O1, O3,
R1, R5, R8
Wittmeier , Kristy , H5
Wolff , Jodi , PC9, EDU64
Wong , Ai Lynn , H8
Working Group , CPRN Adult
Community Registry , R1, R5, R8
Working Group , CPRN SDOH , O1
Wozow , Cynthia L, EDU08, EDU16

Wren , Tishya A. L., M1, N6
Wright , Kevin , J2
Wright-Jin , Elizabeth , PC1
Wyeth , Duncan O., O1, R4

Y

Yale , Mara M, E7, EDU46
Yang , Ally , M5
Yeh , Ann , J3
Yoo , Paul Y, J3
Yumiseba , Sara , H1

Z

Zarandi , Auva , J3
Zehner , Katie M, M5
Zhang , Nanhua , J5
Zhou , Chuan , N1, N2
Zibell , Kathleen E, H8
Zoabi , Yasmin , L2

Poster Author Index

A

Abich Oliva, Osana, DP48
Acosta, Fernando, SP137
Acosta, Lucas, SP136
Acsadi, Gyula, SP64
Ada, Louise, SP78
Adamovich, Sergei, SP132
Adams, Sherri, SP90
Adlani, Yusra, SP22
Advisory Group, Phelps Center Research, SP67
Ahamed, Sheikh Iqbal, SP134
Ahmed, Zaid, SP59
Akins, Robert, SP85, SP98
Alcott, Morgan, SP155
Alencar, Francisco, SP13, SP18
Alexander, Allison, CO01, DP02
Alkhalaf, Hamad, SP71
Alnasser, Lubna, SP71
Alotaibi, Futoon, SP71
Altamirano, Elisa, SP60
Altiok, Haluk, SP97
Alvarez, Carolina, DP51
Alzate Areiza, Maria, CO07
Amacker, Christine, SP43, SP115
Amaechi, Martins, SP115
Amechi, Martins, SP43
Anderson, Dana, SP76
Andersson, Åsa, SP24
Andrisevic, Emily, SP59
Appel, Amanda, SP37, SP166
Arantes, Ana, SP114
Armand, Stéphane, SP05, SP72, SP124
Arnold, Carly, SP93
Aronow, Bruce, SP100
Arpin, Stephanie, SP119
Arroyo Riaño, Maria Olga, SP80
Asomaning, Hilda, SP77
Assip, Bridget, SP150, SP162
Asti, Lindsey, SP12
Austing, Emma, SP110
Awadzi, Hannah, SP77
Azizi, Hana, CO14, CO15, CO27, CO28

B

B. Cunha, Andrea, SP09
Bachrach, Steven, SP82
Baddour, Natalie, SP33
Badmaev, Laura, DP40
Baduni, Kanishka, DP38, SP95
Baiju, Preeti, SP25
Bailes, Amy, SP100
Bakaa, Nora, SP01
Baldino, Maria, SP158
Baldwin, Keith, SP111

Bali, Manya, SP34
Bandara, Shehani, SP148
Bang, Moon Suk, SP149
Barbosa, Vanessa, SP89, SP103
Barcos Munoz, Francisca, SP124
Barnfather, Alison, SP159
Barron, Medina, SP126
Barton, Krysta, SP60
Bates, Laura, SP127
Bates, Elisabeth, CO14, CO15, CO27, CO28
Baud, Olivier, SP124
Bauer, Corinna, SP45
Baxter, Suzanne, SP68, SP69
Beauvais, Dorothy, DP22
Belanger, Jonna, DP27
Bendixen, Roxanna, SP58
Beneteau, Mathieu, SP117
Benfer, Katherine, SP73
Bent, Melissa, SP120, SP121
Berryhill, Alexys, SP50
Bhangoo, Anshvir, SP08
Bhatnagar, Surbhi, SP100
Biazus, Graziela, SP55
Billups, Katlyn, CO30, CO31, DP54
Bjornson, Kristie, SP102
Blackburn, Heather, SP66
Blanchard, Trevor, SP157, SP160
Blazek, Gregory, CO17
Bleyenheuft, Yannick, DP05
Boada, Katheryn, SP67
Boecher, Janina, SP85
Bonneyfoy-Mazure, Alice, SP05, SP72
Borkowski, Kara, SP109
Borrogo Perez, Danielle, DP04
Boswell, Lynn, SP103
Bourgeois, Mathieu, SP05
Boutouli, Grace Divine, SP56
Bowen, Richard, SP138
Boyd, Roslyn, SP07, SP73
Boyd, Andrew, SP89
Boyer, Elizabeth, SP47, SP57
Bradley, Elena, DP23
Brandenburg, Joline, CO23
Brandt, Lianne, SP33
Brandt, Ashley, SP144
Bratiotis, Christiana, SP15
Brazevic, Sabina, SP99
Brennan, Julia, DP37
Bricker, Renee, SP19
Bridgens, Anna, SP51
Broadhurst, Alexander, SP92
Brown, Sarah Jane, SP56
Brown, Cameron, SP32
Brown, Shaaron, SP32, SP70
Bruno, Natasha, SP90

Buck, Aaron, DP07
Burgess, Andrea, SP07
Burgess, Jamie, SP105
Burke, Gina, SP89
Burnsed, Jennifer, SP32
Burns-Womack, Joanna, SP93
Burton, Vera Joanna, CO31, DP54
Buswell, Victoria, DP21
Butera, Christiana, SP32
Butler, Stephanie, SP151
Butler, Erin, DP30
Byrapuneni, Sriya, SP59

C

Cabral, Howard, SP45
Cacioppo, Marine, SP05
Cama, Amanda, SP15
Camozzi, Angela, DP47
Campero, Sabrina, SP135, SP136
Campos Sánchez, Celso, CO08
Caneda, Cheryln, SP40
Canse, Jasmine, SP119
Cappello, Teresa, SP97
Carchi, Chris, CO09
Cardoso, Mia, SP109
Carey, Abby, SP31
Cariker, Gwendolyn, CO21, DP32
Carnall, Sandra Karina, CO29
Carney, Joan, CO30, CO31, DP54
Carranza, Jorge, SP35
Carton de Tournai, Astrid, DP05
Casey, Cameron, CO09
Cassidy, Jessica, DP50
Castellano, Marina, SP124
Ceasar, Rachel, SP121
Cekmece, Cigdem, SP30
Cellucci, Michael, CO03, DP12
Centeno, Bernardo, SP135, SP136
Chambers, Hank, SP62
Chandel, Alka, SP100
Chandran, Vishnu Deep, SP150, SP162
Charnay, Aaron, DP22
Chaudhary, Prasanna, SP47
Chehab, Maysa, SP127
Chen, Dannyn, SP07
Chen, Yu-han, SP104
Cheng, Wei-Hsuan, SP107
Cheng, Jenfu, SP132
Cheung, Kevin, SP33
Chin, Crystal, DP19
Chin, Eric, DP36, SP47, SP67
Chiu, Hsiu-Ching, SP78
Chmara, Paweł, SP99
Cho, Sung-Rae, SP79, SP147
Choi, Eun-Jeong, SP149

Poster Author Index

- Chole, Dana, DP18, DP28, DP29, SP84
Chorbadjian, Gonzalo, CO20
Chorbadjian Alonso, Gonzalo, CO19
Chowdhury, Sayak, SP73
Christian, Regan, SP137
Chu, Alice, SP112
Chu, Virginia, SP87
Chudnovskaya, Irina, SP53
Church, Chris, SP22, SP41, SP42, SP86, SP92, SP151, SP163, SP164
Ciccodicola, Eva, SP64, SP65, SP120
Clark, Jensine, SP88
Claudio, Maira, SP126
Clay, Michael, SP110
Clayton, Alexandra, SP132
Clegg, Nancy, SP50, SP126
Cohen, Eyal, SP90
Cohen Eilig, Mor, DP46, SP14, SP15, SP23, SP81
Coldbridge-Green, Colleen, DP53
Coleman, A. Rand, CO29
Collier, Eliza, SP125
Collins, John, SP43, SP115
Collins, Kellie, CO09
Comaduran Marquez, Daniel, SP159
Comi, Anne, CO05
Condliffe, Elizabeth, SP52, SP114
Connor, Susan, DP33
Corell, Linnéa, SP145
Corey, Jacob, DP27
Côté, Pierre, SP01
Cotton, R. James, SP54
Cramer, Melissa, CO11
Crane, Emily, SP61
Craven, Catherine, SP89
Cristina Valentini, Nadia, CO13
Croll, Kelli, CO21
Cuestas, Eduardo, SP35
Curran, Patrick, CO26, SP43, SP62, SP115
Curtis, Lauren, SP125
Cutler, Amy, SP04
- D**
da Rosa, Mylena, SP55
D'Amico, Danielle, DP12
Daunter, Alecia, DP01
Davidson, Kelsey, SP97
Davis, Melinda, DP08
Dayanidhi, Sudarshan, DP30
Dayton, Bridget, DP09
De, Sayan, SP74
de la Maza Pezo, Ignacio, CO19, CO20
de Almeida, Carla, CO13, SP55
De Beukelaer, Nathalie, SP05, SP124
de Campos, Ana Carolina, DP04, SP16, SP17
de Carvalho dos Santos, Larissa, DP04
De Coulon, Geraldo, SP72
de Figueiredo Silva, Nathalia, DP51
De La Maza, Alejandro, CO19, CO20
de la Rosa, Jennifer, DP30, DP33
Dean III, Douglas, CO09
Delgado, Mauricio, SP30, SP117
DeMauro, Sara, SP155
Dempsey, Dana, SP50
Deng, Yiran, SP138
deRegnier, Raye-Ann, DP33, SP103
Detloff, Megan, SP46, SP141
DeVito, Alexa, SP101
Dewald, Julius, SP134
Dieffenderfer, Brian, SP44
DiFazio, Rachel, SP113
Dimitropoulou, Katherine, SP31
Ding, Helen, CO17
Diot, Christa, SP52
DiSalvo, Samantha, CO14, CO15, CO27, CO28
Dissanayake, Thusharika, SP21
Divito, Courtney, DP17
Dodds, Cynthia, DP37, SP58
Domber, Brittany, DP01
dos Santos, Cilene, SP17
Downey, Max, SP133
Drottar, Marie, SP45
Dudash, Lily, SP106
Dunn Lopez, Karen, SP89
Dunphy, Caitlyn, DP21
Durazo-Arvizu, Ramon, SP27
Dursun, Nigar, SP30
Dusing, Stacey, DP51, SP02, SP32, SP87
Dutton, Olivia, SP85
- E**
Ead, Lauren, SP01
Earleywine, Dahlia, SP19
Earthman, Carrie, SP93
Ebenhoeh, Alissa, DP25
Edman, Sebastian, SP145
Eilig, Dynai, DP21
Elgren, Ruth, SP144
Ellingwood, Ashley, SP62
Emamzadeh, Emily, DP25
Englert, Graham, SP97
Eriksson, Mee, SP132
Ermutlu, Cenk, SP42, SP164
Eschmann, Abigail, DP39
Escobar, Johana, SP35
Espinosa García, Sandra, SP80
Estrella Piñón, Mayra, CO08
Evans, Jillian, SP123
Ewert, Joel, DP35
Eyton, Sharon, SP82
- F**
Fagg, Andrew, SP27, SP155
Fajardo, Nandy, DP46
Fay, Alexander, SP169
Fehlings, Darcy, DP19
Feldner, Heather, DP07
Feliciano, John, CO25
Fendrick, Susan, DP53
Fernandez Jure, Milagros, SP136
Fernando, Warnakulasuriya, SP75
Ferrel, Claudio, CO18, DP26, SP20, SP167
Ferreira, Josione, SP13, SP18
Feuerstein, Julie, DP31
Fisher, Andrew, DP25
Fishman, Haley, DP21
Flett, Denna, SP129
Fluet, Gerard, SP132
Foley, Sarah, DP43
Fonseca, Thalita, SP13, SP18
Fontannaz, Daniel, SP61
Fonteneles, Ariely, SP18
Forkey, Jonathan, DP36
Foxworth, Skylar, DP50
Frankl, Michal, SP82
Franzone, Jeanne, SP42
Freeman, Colby, CO10, SP111
Fritzinger, Blaire, DP53
Frumberg, David, SP94
Fucile, Sandra, SP140
Fujino, Marcelo, SP118
Fulton, Daralyn, SP126
Furnari, Kristen, DP02
- G**
Gadek, Lauren, SP105
Gaebler-Spira, Deborah, DP33, SP46, SP141
Gaetz, William, SP104
Gagnon, Marianne, CO24
Gahukamble, Abhay, SP131
Galasso, Damian, CO16
Galindo, Maureen Kelly, CO16
Galovich, Rylee, SP158
Gannotti, Mary, SP47, SP116
García de las Peñas, Sofía, SP80
García Lerma, Carlota, SP80
García Reidy, Teressa, CO30, CO31, DP54
Garfinkle, Jarred, SP119

Poster Author Index

Garrison, Jessica, DP41
Genry, Landon, SP46, SP141, SP156
Georgiadis, Andrew, SP59
Georgieff, Michael, C009
Gerhardt, Nicole, SP133
Ghattas, Sarah, DP02
Ghazi, Mustafa, SP27
Ghosh, Asis, SP73
Gibb, Susan, SP152
Giddings, Grace, SP46
Gillespie, Talia, SP106
Gillick, Bernadette, C009
Glader, Laurie, SP04, SP39
Glaros, Chloe, SP49
Goday, Praveen, SP93
Goetgeluck, Alison, SP103
Gomez, Jennifer, DP10
Gonzales, Daniel, SP68
Gonzalez, Daniel, SP69
Goodbody, Christine, C010, SP111
Goodfriend, Karin, SP39, SP134
Gordon, Andrew, DP05
Gorgos, Andreea, SP119
Gormley, Caroline, SP36, SP37
Graf, Maria, SP124
Grauer, Jonathan, SP94
Green, Emma, SP91
Greve, Kelly, DP18, DP28, DP29, SP100, SP110
Grinde, Kathy, DP49
Gross, Amanda, SP132
Gross, Paul, SP48
Grossman, Sophie, DP16
Guerrero Gonzalez, Jose, C009
Gueugnon, Mathieu, SP05
Guillot, Ashley, DP42, SP25, SP26, SP109
Guo, Guan-Ting, SP107
Gupta, Siddharth, C005
Guy, Stephen, DP49
Guzman, Tess, SP100

H

Hadley, Morgan, SP22
Hadouiri, Nawale, SP05
Hagerty, Jennifer, SP12
Häkstad, Ragnhild, SP02
Haley, Cassidy, SP53
Hall, Stacey, C017
Hall, Michelle, SP36
Hall, Jamie, DP18, DP28, DP29, SP84
Hamdy, Reggie, C024
Han, Yebin, SP168
Hannes, Christian, SP117
Hanson, Alison, SP64, SP65, SP120
Hansson, Ola, SP24

Hara, Reiko, SP64, SP65
Harary, David, SP85
Harpster, Karen, SP66
Harris, Mark, SP61
Harrison, Olivia, SP122
Hawe, Rachel, DP49
He, Jenny, C025
Hedgecock, James, DP18, DP28, DP29
Heldman, Mary Kay, DP30
Henley, John, SP42, SP86, SP123, SP151, SP164
Hernandez, Alyssa, SP158
Hernandez, Vanessa, C025
Hernandez-Trejo, Jose, SP138
Hettiarachchi, Shyamani, SP148
Hicks, Jonathan, SP98
Hidalgo, Alvaro, DP44
Hilderley, Alicia, SP159
Hill, Nayo, DP23
Hillstrom, Howard, SP162
Hines, Ashleigh, SP125
Hogan, Patrick, SP44
Holekamp, Nicholas, SP44
Holmberg, Robert, SP24
Hone, Alexander, SP85
Hong, Seunggho, SP83
Hoobler, Aurora, SP66
Hopkins, Krystina, SP10
Horn, Riley, SP43, SP115
Horwath, Oscar, SP145
Hosseinzadeh, Pooya, SP130
Howard, Jason, SP86, SP92, SP151, SP163
Hsu, Chialing, SP12
Hubert, Jessica, C012, DP15
Hulk, Kendall, C022
Humanitzki, Elizabeth, SP58
Hurvitz, Edward, SP47, SP48, SP49
Hussain, Sabba, SP61
Hutchison, Sarah, SP23
Hyun, Sung Eun, SP149

I

Inamdar, Ketaki, SP101
Ingraham, Kimberly, DP07

J

Jacobs, Emily, DP01
Jacobson, Lisa, SP67
Jae, Jung Kang, SP147
Jahan, Israt, SP35
Jakobsson, Trille, SP24
Jakubowski, Madeline, DP42, SP25, SP26, SP109
James, Shirley, SP155

Jang, Dae-Hyun, SP83
Janicki, Joseph, SP105
Jaramillo, Olyvia, DP38
Jedraszko, Aneta, SP103
Jesus, Anna, SP19
Jezequel, Jennifer, SP150, SP162
Jo, Sungbae, SP149
Jones, Catherine, DP21
Jones, Dara, SP150, SP162
Jones, Sarah, SP19
Jones - Stokreef, Nicola, SP146
Joseph, Christopher, DP23, DP41
Joshi, Divya, SP54
Jóźwiak, Marek, SP99
Juricic, Maria, SP10, SP11

K

Kang, Lin-Ju, SP107
Karacan, Baris, SP89
Karamitopoulos, Mara, DP45, SP122
Karkenny, Alexa, C025
Karumattu Manattu, Arun, C009
Kastanis, Maria, DP33
Katholi, Benjamin, SP46
Katz, Nathan, DP21
Kawamura, Cátia, SP118
Kay, Robert, SP65
Keam, Brenna, C005
Keenan, Christopher, C011, DP12
Kelly, Marie, SP20, SP167
Kemmel-Bartletti, Cassandra, SP38, SP39, SP134
Kenkre, Tanya, SP166
Kennedy, Benjamin, C011
Kenyon, Lisa, DP08, DP52, SP28
Khan, Ahmer, SP72
Khan, Aeysha Bibi, SP108
Khandaker, Gulam, SP35
Khatua, Sutapa, DP22
Khetani, Mary, SP89, SP168
Kim, Chan-Mi, SP45
Kim, Hyunjoon, C018, SP20, SP167
Kim, Vella, SP159
Kim, Jaewon, SP83
Kim, Yunsung, SP169
Kim, Rachel, SP133
Kim, Jung Hyun, SP149
Kimbrell, Brooke, DP36, SP67, SP137
Kirkpatrick, Quinn, SP82
Kirton, Adam, SP159
Klein, Benjamin, SP146
Knopp, Miriam, SP93
Knote, Kathryn, DP45
Kokkinakis, Michalis, SP51
Kolobe, Thubi, SP27, SP104, SP155

Poster Author Index

Koren, Ainat, SP101
Kosner, John, SP91
Kowalski, Jesse, SP56
Krach, Linda, SP47
Krajewski, Kellen, SP74
Kramer, Cassandra, SP156
Krgan Mestic, Manda, DP19
Kruger, Karen, SP97
Krzak, Joesph, SP97
Kuan, Mimi, SP63
Kulkarni, Vedant, SP97
Kumarasiri, Sujani, SP21
Kumavor, Patrick, DP42, SP25, SP109
Kurowski, Brad, SP100
Kurz, Max, DP38

L

Labelle, Christine, SP119
Labgold, Katie, SP106
LaForme Fiss, Alyssa, SP02
Lakhiani, Saniya, SP85
Lam, Joyce, SP14
Lanner, Johanna, SP145
Lathren, Christine, DP50
Lauruschkus, Katarina, SP24
Lawrence, Jana, SP109
Lazar, Sydney, DP53
Lee, Gyeongun, SP168
Lee, Min-Yong, SP149
Lee, Woo Hyung, SP149
Lee, Stephanie, SP98
Lee, Esther, DP21, SP63
Lee, Hye Kyoung, SP79
Lee, Seri, SP147
Legas, Selamenesh Tsige, SP146
Leite, Hercules, SP35
Lemaire, Edward, SP33
lemos Fagundes, Silvia, DP24
Lennon, Madison, SP22
Lennon, Nancy, SP22, SP41, SP92, SP123, SP151
Leonard, Laura, DP02
Letzkus, Lisa, SP04
Levy, Todd, DP55
Lew, Jenna, SP63
Lewandowski, Nicole, SP126
Lewis, Anna, DP50
Li, He, SP165
Liang, Adriana, SP65
Licea, Joel, SP102
Liddle, Alison, DP33
Lieberman, Ranit, DP55
Lin, Hung-Yu, SP107
Lin, Catherine, DP48
Lin, Anna, SP12

Lin, Doris, C005
Lingam, Shriyaus, SP112
Lisboa, Leylane, SP13
Liszka, Lara, SP144
Littlejohn, Emily, SP152
Litwiller, Lauren, SP89
Logan, Sam, SP28
Long, Jason, SP157, SP160
Long, Helen, SP76
Looper, Julia, SP02
Lopes, José Augusto, SP118
López, Cassandra, SP76
Louis, Sophie, SP72
Ludwig, Natasha, DP40
Lukina, Ilona, SP105
Lullo, Brett, SP105
Luo, Sophie, SP08

M

Mabasa, Sharon, DP50
Macari, Cara, DP45
Macêdo, Jordano, SP13
Mackenzie, Stuart, SP42
Macneille, Stephen, SP112
Madhushika, Thilini, SP21, SP75
Maisnonobe, Pascal, SP117
Maitre, Nathalie, SP95
Malagon, Felipe, SP42, SP123
Malwanage, Kavinda, SP21
Manix-Cramer, Claire, CO12, DP13, DP14, DP15
Manuel, Marin, SP156
Marble, Corinne, SP46
Marchinko, Simon, SP52
Marks, Warren, SP137
Marquez, Lorena, DP11
Marsh, Eric, DP55
Marsh, Adam, SP98
Martin, Rachael, SP152
Martín Gómez, Miriam, SP80
Martínez Caballero, Ignacio, SP80
Matson, Scott, SP46, SP141
Matthews, Scott, SP132
Mayston, Margaret, DP43
McAdams, Ryan, C009
McCahon, Joseph, SP163
McCann, Hope, SP156
McCarthy, James, SP157, SP160
McCauley, Dayle, DP19
McClelland, Carmen, C006
McCoy, Andrew, C003, C011, DP12
McDermott, Carly, SP34, SP113
McGinnis, Patrick, SP46
McHugh, Kelly, SP66
McIlwee, Morgan, SP39
McKay, Danielle, SP44

McLean, Heather, DP23, DP40
McManus, Maura, DP02
McPhee, Patrick, SP48
Mehta, Priyanka, SP112
Melvin, Patrice, SP113
Mena Avila, Elvia, SP156
Mendigutía Gómez, Ana, SP80
Merillat, Brenna, SP30
Merrill, Jessica, SP89
Merz, Alexandra, SP03
Meyers, Madison, SP110
Mia, Md Raihan, SP38, SP134
Michalski, Katie, SP76
Miller, Stacey, SP10, SP11
Miller, Freeman, SP22, SP86, SP92, SP164
Miller, Jennifer, SP105
Miller, Carson, SP84
Mills-Wyrick, Tamara, DP17
Minneci, Peter, SP12
Mintz, Kevin, SP60
Mishaal, Ram, DP35, DP46, SP08, SP14, SP15, SP23, SP81, SP129
Mitchell, Maysara, SP03
Mitelpunkt, Alexis, SP14, SP100
Moline, Brendan, SP46, SP141, SP156
Molinini, Rebecca, DP50, SP32, SP70, SP142
Mont, Ashley, SP132
Montes, Jacqueline, DP05
Montgomery, Mary Alice, SP87
Montoya, Rachel, SP94
Moore, Samantha, SP09
Moore, Lindsay, SP158
Mor, Jacob, SP82
Morais Filho, Mauro, SP118
Morales-Vias, Fabiola, C005, SP67
Moretez de Figueiredo, Alice, SP17
Moreau, Noelle, SP102
Morgan, Sara, SP36
Morgan, Catherine, SP125
Morgenstern, Ruth, SP143
Morozova, Olga, SP144
Morris, Megan, SP49
Moula, Golam, SP73
Mulcahey, PhD, MJ, SP133
Mulpuri, Kishore, SP11
Mundi, Ravneet, SP15, SP81
Munshi, Muhammad-Amin, SP130
Murata, Asahi, SP127, SP128
Murayi, Judy-April, SP93
Murphy, Annemarie, SP125
Murray, Marie, SP34, SP113
Murugan, Arul, SP131
Mysore, Amog, SP112

Poster Author Index

N

Nahm, Nickolas, SP59
Nan, Hu, SP165
Narro Garcia, Francisco, SP130
Nash, Alysia, SP22
Ndubizu, Goziem, DP53
Nemanich, Samuel, SP38, SP39, SP134
Nesbit, Stephanie, SP152
Ng, Olivia, DP47
Nguyen, Patricia, DP48
Nguyen, Andrew, SP12
Nielsen, Ena, SP62
Nieto, Natalie, DP48
Norman-Taylor, Fabian, SP61
Norton, Leia, SP138

O

Oakes, Cari, SP66
O'Connor, Keith, SP129
Ogourtsova, Tatiana, SP154
O'Leary, Stephanie, SP155
Oleszek, Joyce, SP166
Oliveri, Christina, SP25
Olleac, Ramiro, SP135, SP136
Olson, Elisabeth, SP56
Ollwell, Kristen, DP39
O'Neil, Margaret E., SP101
Orkin, Julia, SP90
Osgoodby, Lauren, DP41
Osterwald, Ariane, CO04
Õunpuu, Sylvia, SP64
Owens, Laura, CO01, DP25, SP123

P

Padilla, Abigail, SP120, SP121
Paek, Suna, SP105
Pajor, Nathan, SP100
Palandjian, Pari, SP150
Palm-Vlasak, Lindsey, CO23
Palocaren, Thomas, SP131
Pao, Nathaniel, DP07
Papadelis, Christos, SP137
Papadimitriou, Melina, SP119
Parde, Natalie, SP168
Paremski, Athylia, SP104
Pariikh, Nehal, SP66
Park, Junghyeon, SP83
Park, Eugene, SP96
Patel, Avanti, DP06
Patel, Roshan, SP112
Patel, Harshill, SP112
Patroulis Lessig, Sophia, DP30
Patterson, LiAna, CO22
Pearl, Inbal, SP14
Peiffer, JD, SP54

Peiris, Avishka, SP21
Pennell, Taylor, CO31
Pereira, Silvana, DP51, SP02
Perera, Robert, SP87
Perera, Ruwanthi, SP21
Pereyra, Gabriela, DP44
Perry, Brittany, SP95
Persons, Rebecca, DP45
Pessóta Sudati, Isabella, SP16, SP17
Petkus, Kayla, SP04
Peyton, Colleen, SP54
Pichini de Oliveira, Rafaela, SP17
Pieraccini, Valerie, SP158
Pierce, Wendy, SP166
Pierce, Samuel, SP27
Pierz, Kristan, SP64
Pixley, Benjamin, CO04
Plews-Ogan, Erin, SP19
Plews-Ogan, Margaret, SP19
Polega, Victoria, CO21
Pons-Moll, Ruth, SP139
Pontén, Eva, SP145
Pople, Ian, SP108
Popovych, Igor, SP153
Posada, Ana, DP11
Pottinger, TJ, SP59
Powers-Garcia, McKenna, DP22
Prosser, Laura, SP27, SP53, SP104, SP155

Q

Qiu, Qinyin, SP132
Quality Improvement Group, CPRN
Adult Pain, SP116
Quinlan, Katharina, SP46, SP141, SP156
Quintero, Carlos, DP11, SP35
Qureshi, Rida, SP03

R

Rad, Darius, SP51
Rameckers, Eugene, DP05
Rana, Mehwish, SP90
Ranade, Sheena, DP10
Rao, Raghavendra, CO09
Raz, Gal, SP14
Reddihough, Dinah, SP04
Reddy, Jonathan, SP131
Reedich, Emily, SP156
Reedman, Sarah, SP125
Regan, Maia, SP111
Reiss, Rochelle, SP158
Rempel, Gina, DP21
Resnick, Brittany, DP16
Rethlefsen, Susan, SP64, SP120

Reyes, Fabiola, DP09, SP30, SP68, SP69, SP126
Reynolds, Kelly, DP43
Ribeiro-Samora, Giane, DP51
Rich, Sharon, DP47
Rifelj, Andrea, SP38
Rinaldi, Jen, SP01
Riordan, Heather, SP67
Riquelme, Inmaculada, SP139
Roberts, Helena, DP16
Roberts, Heather, SP30, SP50, SP126
Robinson, Karyn, SP98
Roche, Morgan, CO25
Rodolfo, Jully, DP51
Rodrigues, Ana, SP13, SP18
Rodrigues, Leonardo, SP13, SP18
Rodrigues, Nadine, SP52
Rodrigues Menegasso Gennaro, Lisandrea, DP04
Rodriguez, Damian, CO21
Rodríguez Olmo, Cristina, SP80
Rodriguez-MacClintic, Jennifer, SP64
Rolin, Olivier, SP87
Romero, Gerald, SP108
Rosczyk, Jeffrey, DP01
Rose, Julie, SP90
Rosenberg, Jodi, DP34
Rosenthal, Carly, CO01
Roth, Danielle, SP169
Roth, Emily, SP19
Rovai, Gabriela, DP04
Rozen, Naama, SP08, SP15, SP23
Rozumalski, Adam, SP57
Rubsam, Meaghan, DP18, DP28, DP29
Ruffini, Lindsay, SP144
Ruiz-Brunner, Mercedes, SP35
Rutkowski, Radostaw, SP99
Ruwaihi, Noor, SP27

S

Sabater-Gárriz, Álvaro, SP139
Sacks, Hayley, SP74
Sacree, Jenny, SP108
Safnaz, Ziad Mohamed, SP75
Sager-O'Connell, Lauren, SP53
Sakkal, Shereen, CO24
Salazar-Torres, Jose, SP22, SP41, SP42, SP86, SP92, SP123, SP151, SP164
Sales, Ayla, SP18
Saloojee, Gillian, DP43
Samineni, Aneesh, SP34
Samuel, John, SP131
Samuels, Rosa, DP53

Poster Author Index

- Sanchez, Joshua, SP94
Santos, Ana Luiza, SP18
Santos, Élida, C013, DP24, SP55
Santos, Tracy, SP156
Sarmiento, Cristina, SP47, SP48, SP49
Sax, MS, Theresa, SP48
Scalzo, Katherine, DP38
Scarpato, Carolina, DP04
Scharf, Rebecca, SP19
Scheele, Rachel, SP38, SP39, SP134
Scher, David, SP150, SP162
Schmitz, Matthew, C026
Schreiber, Verena, SP157, SP160
Scott, Hannah, SP41, SP151
Scott, Kimberley, DP38
Scotti, Aurora, SP122
Segal, Idan, SP14
Seilhamer, Crystal, SP93
Selber, Paulo, SP150, SP162
Seo, Jung Hwa, SP79, SP147
Seth, Akshay, SP113
Shah, Summit, SP93
Shahdadian, Sadra, SP137
Shahid, Javeria, SP87
Shearer, Heather, DP19, SP01
Sheehan, Amber, C002, SP66
Shen, Hua, SP114
Shierk, Angela, DP17, SP30, SP50, SP68, SP69, SP126
Shin, Bokyung, SP29
Shin, Hyung-Ik, SP149
Shore, Benjamin, SP34, SP113
Shotwell, Mary, DP17
Shpitzer, Tal, SP14
Shrader, Wade, SP22, SP41, SP42, SP82, SP86, SP92, SP98, SP123, SP133, SP151, SP163, SP164
Shrader, Claire, DP16
Shrestha, Sharon, DP21, SP10
Sidahmed, Khalid, SP108
Silva, Emma, DP45
Silva, Hebert, SP13, SP18
Silva, Luana, SP35
Silva, Roseany, DP51
Silveira, Jessica, C021, DP32, SP02
Singerman, Lydia, C003
Sion, Romi, SP14
Sizonenko, Stéphane, SP124
Skorup, Julie, SP27, SP53, SP155
Slavik, Nick, SP97
Sloane, Bethany, DP07, DP08, SP28
Slovak, Melissa, SP126
Slovak, Pam, SP126
Slunt, Nicole, SP109
Slyepkan, Ivan, SP127, SP128
Smadi, Zina, DP22
Smith, Peter, SP97
Smith, Beth, SP27, SP104, SP155
Smith-Voudouris, Julian, SP94
So, Judy, SP63
Sobotka, Sarah, SP03, SP91
Song, Yanlong, SP137
Soscia, Joanna, SP90
Spence, Christine, SP32, SP70, SP142
Spiegel, David, SP111
Srinivasan, Sudha, DP42, DP52, SP25, SP26, SP109
St. Dennis, Amanda, DP19
Stallings, Rhonda, DP23
Stant, Courtney, C031, DP54
Stapleton, Danielle, C001
Stearns-Reider, Kristen, SP138
Steele, Amy, C026
Stein, Chantel, DP47
Stein, Kristina, SP103
Stephenson, Sara, SP158
Stepnitz, Abbey, SP36
Stockhausen, Jessica, SP74
Stout, Jean, SP57
Strazimiri, Amy, SP154
Stuart, Nicki, SP125
Su, Cancan, SP33
Su, Xiwen, SP20, SP167
Su, Jing-Wen, SP89
Sukat-Moulton, Theresa, DP33
Sumanasena, Samanmali, SP21, SP75
Surma, Aditi, SP10
Swaback, Diana, SP53
- T**
- Tabaie, Sean, SP93, SP127, SP128, SP136
Tabard-Fougere, Anne, SP72
Tabor, Holly, SP60
Tanuri, Carla Andrea, SP17
Teixeira, Laís, SP118
Thakkar, Parth, C014
Thomas, James, SP87
Thompson, Catherine, SP30
Thompson, Rachel, SP43, SP115, SP138
Thornton, Lisa, SP108
Thorp, Ellen, SP108
Thuppale, Vikaas, SP131
Tiongson, Emmanuelle, SP64
Toback, Casey, SP85
Tomaro, Micaela, DP45, SP122
Tomaszewski, Jessica, SP106
Tomczyk, Kristine, DP21
Tornberg, Åsa, SP24
Toro, Carolina, C007, DP11, DP44, SP35
Torres, Margarita, DP44
Tran, Amelia, SP25
Tran, Andrew, SP56
Travis-Treacy, Stacey, DP02
Trenkle, Jessica, DP33
Trinh, Anh, SP09
Trionfo, Arianna, SP22, SP41, SP163
Tshabalata, Busisiwe, SP108
Tu, Albert, SP33
Tuason, Dominick, SP94
Tucker, Jennifer, DP31
Tudella, Eloisa, SP09
Tulchin-Francis, Kirsten, SP127, SP128
Turlington, Trish, C030
- U**
- Ubeda Tikkanen, Ana, C004
Ul Alam, Mohammad Arif, SP101
Ulanowska, Nadia, DP46
Upasani, Vidyadhar, SP62
Ureeg, Abdulaziz, SP71
Urruchia, Vitoria, SP09
- V**
- Valencia, Francisco, C016
Vallance, Cynthia, DP46, SP15, SP63
Van Stralen, Renee, SP51
Vara Arias, Maria Teresa, SP80
Vargus-Adams, Jilda, SP100
Vaux, Isabelle, SP81
Vazquez, Oscar, SP72
Veilleux, Louis-Nicolas, C024
Veitch, Alanna, SP01
Vicioso, Camila, DP10
Vila, Nadya, SP18
Vilkoff, Nicole, SP154
Villegas, Vivian, SP168
Vipulaguna, Dilini, SP21, SP75
Viray, Damara, C001
Virgil, Brittany, C001, DP02, SP123
Vithayathil, Joseph, C011
Voloshyn, Taras, SP153
von Walden, Ferdinand, SP145
- W**
- Wadugodapitiya, Surangika, SP21
Waisenberg, Nilly, SP143
Walia, Simran, SP01
Wall, Jon, DP22
Wallace, Claire, SP44
Walls, Sydney, SP60
Walsh, Allison, DP53
Walsh, Willeke, DP43

Poster Author Index

Wang, Sophia, SP150
Wang, Pei-Jung, SP107
Waraich, Minah, SP150, SP162
Waring, Arshdeep, SP23
Waters, Heather, SP43, SP115
Webb, Ashleigh, DP47
Wells, Victoria, SP155
Whitaker, Amanda, SP97
White, Logan, DP38
White Makinde, Keisha, SP03
Wi, Soohyun, SP149
Wijayasinghe, Priyanwada, SP21
Willett, Sandra, SP02
Wimberly, Lane, SP40
Winters, Tanya, C021
Wintle, Richard, DP19
Wirth, Amanda, DP03
Wishart, Brian, SP31
Wisniewski, Stephen, SP47, SP48, SP166
Wong, Hailey, SP01
Wong, Vivian, SP129
Wong, Jessica, SP01
Work Group, Sialorrhea, SP04

Working Group, CPRN Adult
Community Registry, SP47
Wren, Tishya, SP64, SP65,
SP120, SP121
Wright, Ed, DP22
Wright-Jin, Elizabeth, SP85
Wywra, Jordan, SP166

Y

Yale, Mara, SP31
Yang, Ally, SP94
Yang, Wang, SP165
Yarnall, Evan, C018, DP26,
SP20, SP167
Yeo, Juhyeon, SP149
Youngblood, Jessica, SP114
Yu, Edward, SP07
Yuan, Zhe, SP86, SP164

Z

Zanardi da Silva, Ana Paula, SP17
Zanini, Silvia, SP150, SP162
Zaplachinski, Markus, SP114
Zayas, Julia, DP26

Zea Vera, Alonzo, C011
Zehner, Katie, SP94
zerbib, Liora, SP14
Zhang, Lisa, SP63
Zheng, Glory, SP07
Zheng, Qi, SP98
Zhu, Yidong, SP101
Ziccardi, Shelby, DP49
Zivna, Veronika, SP161
Zivny, Boris, SP161
Zuckerman, Katharine, DP08