

For the Academy of Pediatric Physical Therapy Annual Conference (APPTAC) 2020, the planning committee is particularly seeking submissions on the following topics, although all topic submissions are welcome:

General Topics:

- Interprofessional collaborative practice in all pediatric settings
- Pain science and children
- Population health
- Preventing professional burnout
- Topics related to rehabilitation, science, and technology in pediatric physical therapy (<https://www.apta.org/FIRST/>):
 - Genetics
 - Sensors and robotics
 - Regenerative rehabilitation
 - Telehealth
 - Imaging

Neonatology:

- Summary of on-going research to prevent or reduce the effects of early brain injury
- PT interventions for edema in neonates and critically ill neonates
- Neonatal physiology and the effects of various common disease processes on the movement system
- Update on the SPEEDI trials
- Safe sleep recommendations and best practices for transitioning infants from developmentally-supportive NICU positioning to safe sleep compliance before discharge
- Dolichocephaly in neonates. Management in the NICU, positioning strategies after discharge to remediate or prevent developmental delay
- Music Therapy in the NICU
- SENSE trials

Early Intervention:

- Guidance for new professionals practicing or planning to practice in EI
- Interprofessional collaboration in EI (i.e. feeding, vision)
- Utilizing augmentative and alternative communication strategies during intervention in EI
- EI services for medically complex infants and toddlers
- Transition from NICU to EI
- Strategies for addressing challenging behaviors in the natural environment – for the therapist and opportunities for coaching

School-based:

- Clinical decision-making in public school practice, including frequency and intensity recommendations
- Assistive technology/UDL and the role of the physical therapist
- Assessments, intervention services, advocacy, and planning for students with severe and complex needs
- Development and implementation of school wide wellness programs
- Movement systems updates and school application (i.e. DCD)

- EBP updates for school-based practice
- Positive behavior intervention and support and the school PTs role
- Interprofessional collaborative practice in the school setting

Sports and Fitness:

- PT's role in team management for childhood obesity (both medical hospital/outpatient programs and partnership with community programs)
- Health promotion and treatment of childhood obesity (insurance coverage, medical co-morbidities, plan of care)
- Functional movement screens/assessments for injury prevention during sports physicals (specific to sport or generalized for all physical sports activities)
- Programs promoting participation in sports and fitness activities for individuals with sensory processing disorders (especially hypersensitivity to auditory/visual stimuli)
- Ortho/Sports information/topics for the developmental pediatric therapist
- Modifying treatment for the younger pediatric ortho/sports patient (strength and exercise dosing, psych /social implications, tips for improving biomechanics, and the role of Manual Therapy in treatment)

Adolescents and Adults with Developmental Disabilities:

- Assistive technology across the lifespan – with attention to acquisition and application for adolescents and adults with developmental disabilities
- Universal design for access to and participation in activities that are meaningful to adolescents and adults with developmental disabilities
- Health Matters program (healthmatters.org). Diet, health and wellness for individuals with DD
- Transition to adulthood and preparing for transition – creative and meaningful roles for the PT
- Adults with CP and pain
- PT guidelines for adults with CP
- Bed entrapment-- beds and whether they are considered safe and restful, unsafe and dangerous (entrapment), or restrictive!
- Abuse/neglect/maltreatment of adolescents/adults with developmental disabilities
- Embedding functional/meaningful movement throughout the day and how PT can help the client, caregiver, and staff at a day program or residential program for carry over.
- Exercise intensity for adolescents and adults with disabilities-- how to scale, grade, and measure outcomes.

Hospital-based (outpatient & inpatient)

- Leadership and management courses (staffing ratios / staff productivity in the pediatric acute care)
- Outcome measures and the pediatric patient (outpatient by age and diagnosis norms)
- Objective/outcome measures used in acute and inpatient rehab by age
- Clinical application sessions (lab-based hands on facilitation and techniques)
- How to prepare students in acute and inpatient rehab
- Early mobility & barriers to early mobility and how to overcome
- Competencies for pediatric acute care therapists
- Pediatric brain & spinal cord injury

- Pediatric oncology
- How to implement telerehabilitation in pediatric models of care
- Lab values for ICU/hematology/oncology/cardiac care
- Pediatric complex rehabilitation equipment (assessment through delivery)
- Case conferences with elaboration of evidence-based decision making

Academic and Clinical Education

- Use of benchmarks or competencies in pediatric PT education.
- Experiential learning activities: many ways to achieve success
- Debate: embedded or stand-alone pediatrics course
- Decision making frameworks for student learning during pediatric clinical education
- Development of critical thinking skills
- Academic and clinical partnerships
- Development of pediatric integrated clinical education (ICE) experiences
- Educational research: methods/examples of answering a research question (i.e., effectiveness) using qualitative, quantitative, or mixed methods student outcomes collected during assessment activities (exams, OSCE's/check-offs, reflection narratives)
- Pediatric Residency Education
- Pediatric faculty development: Enhancing teaching skills and research opportunities
- Evidenced-based education in pediatric physical therapy
- Mid-career pediatric faculty development: promotion and tenure; career progression
- Faculty development: residency focus - mentoring and didactic education
- Developing leadership skills in the academic and/or clinical environments
- Competency based education