

Breakfast Seminar Options

THURSDAY, OCTOBER 11

BRK1: "SEEING" POSITIONING FROM A DIFFERENT ANGLE: VISUAL CONSIDERATIONS FOR POSITIONING AND MOBILITY FOR THE PEDIATRIC PATIENT WITH CEREBRAL PALSY AND CORTICAL VISUAL IMPAIRMENT

Katherine L. Clark, MOT, OTR/L, ATP; Erin Pope, PT, MPT, ATP

Purpose: This course will describe Cortical Visual Impairment (CVI) and the impact that visual preferences and use of functional vision during daily activities has on posture and mobility for the pediatric patient with Cerebral Palsy (CP). Strategies for visual assessment as well as red flags to watch for during the equipment evaluation will be reviewed. Common barriers to optimal alignment and use of functional vision within a positioning or mobility system will be discussed through interactive review of case examples and demonstrations. Pictures and case studies of pediatric patients from early intervention through the teen years will be discussed to illustrate evidence based and practical strategies to address both positioning and visual needs for daily function.

BRK2: AACPDM SPINAL FUSION CARE PATHWAY: EVOLUTION, DIRECTION, AND USE

Jay G. Berry, MD, MPH; Gina Rempel, MD, FRCPC, FAAP; Laurie Glader, MD; Mohan Belthur, M.D. FRCSC, FRCS (Tr & Orth)

Purpose: Learn the state of the scientific evidence behind – and help shape the direction and use of - the evolving AACPDM care pathway on spinal fusion for children with neuromuscular scoliosis.

BRK3: ADAPTIVE TRIATHLONS FOR ATHLETES WITH CEREBRAL PALSY

Jennifer E. Miros, MPT

Purpose: To help health care professionals and parents with children with cerebral palsy (CP) or other childhood-onset disabilities (COD) overcome barriers to participate in an adaptive triathlon that includes swimming, cycling and running/walking/pushing their wheelchair/standing in their mobile stander. We collaborated with members of our community to develop an adaptive triathlon model. Our goal is to present strategies developed in our program to optimize planning, funding, training and participation both for the athlete with CP or COD and the community.

BRK4: AN EVIDENCE-BASED REVIEW OF PHYSICAL THERAPY INTERVENTION FOR INDIVIDUALS WHO HAVE UNDERGONE A SELECTIVE DORSAL RHIZOTOMY

Caroline T. Colvin, DPT; Molly K. Thomas, DPT

Purpose: Review the evidence for physical therapy assessment, treatment, and dosing for individuals following a Selective Dorsal Rhizotomy (SDR) procedure.

BRK5: CLINICAL- AND PARENT-BASED REHABILITATION OPTIONS FOR UPPER EXTREMITY FUNCTION IN INFANTS WITH CEREBRAL PALSY

Jill Heathcock, PT, PhD; Nathalie Maitre, MD, PhD; Sharon Ramey, PhD

Purpose: Describe the neuroscientific underpinnings of upper extremity rehabilitation, recent protocols, parent involvement in therapy protocols, early results from ongoing clinical trials, and future directions for infants with cerebral palsy with a focus on unilateral and bilateral training.

BRK6: GOAL ATTAINMENT SCALING: CLINICAL UTILITY AND TRAINING METHODS

Amber Sheehan, OTR/L; Karen Harpster, PhD, OTR/L; Jennifer Angeli, DPT, PhD

Purpose: Describe a GAS training method based on the available literature to increase validity of the tool.

BRK7: ENSURING STAKEHOLDER ENGAGEMENT IN THE CREATION OF NEW DIGITAL PLATFORMS: KNOWING WHAT TOMORROW'S NEEDS ARE TODAY

Tracy Pickar, MSW; Richard Ellenson, MBA; Peter L. Rosenbaum, MD; Rachel Byrne, BA of Physical Therapy, BA Exercise Science

Purpose: By attending this session, participants will increase their knowledge about how to target scientific and medical content to have global appeal and learn how to grow the digital landscape as it relates to CP and disability. This session will present information about digital platforms that appeal to individuals with CP and their families and the process for creating a comprehensive stakeholder engagement plan.

BRK8: HEALTHY RELATIONSHIPS, SEXUALITY, AND TRANSITION: IMPORTANT ISSUES TO ADDRESS IN HELPING YOUTH WITH CHILDHOOD-ONSET CONDITIONS IMPROVE THEIR QUALITY OF LIFE IN THE JOURNEY TO ADULTHOOD

Susan C. Labhard, MSN, RN

Purpose: To understand the importance of addressing healthy relationships and sexuality in a successful transitions program. Participants will learn how to apply evidence-based practice in teaching emerging adults, families and caregivers, about sexuality related to disability, and the relationship to quality of life.



BRK9: IMPROVEMENTS IN GAIT AND POSTURE: NOVEL CLINICAL RESULTS AND ROBOTIC TECHNOLOGIES

Sunil K. Agrawal, PhD; Joseph Dutkowsky, MD; Andrew Gordon, PhD; Heakyung Kim, MD

Purpose: The course will present both novel robot designs and clinical results of studies performed at Columbia University using these innovative robots for treatment of children with impaired gait and posture. The workshop will review existing technologies, discuss the needs for new robotic designs with force feedback, and the clinical evidence of how these technologies improve gait and posture of children with these impairments.

BRK10: PERIOPERATIVE ANESTHESIA/SURGICAL COLLABORATION: WORKING TOGETHER TO MAXIMIZE OUTCOMES AND ENHANCE THE PATIENT/FAMILY SURGICAL EXPERIENCE

Peter Lichtenthal, MD; Paul Samuels, MD; Francisco Valencia, MD

Purpose: Children with disabilities undergoing surgery present with some of the most challenging co-morbidities. Previous literature has stated that the risk of surgical complications are related to the number of co-morbidities. With the ever increasing medical and economic pressures, successful completion of surgical procedures requires the skillful contributions from both sides of the surgical drapes to ensure not only a surgical, but also a psycho-social success. It is the goal of this session to discuss previously overlooked issues that relate to successful perioperative care and the promotion of a team approach.

BRK11: RECENT PRACTICE CHANGING PUBLICATIONS FOR THE PEDIATRIC COMPLEX CARE PROVIDER

Kristina Malik, MD; Rishi Agrawal, MD, MPH; John Pelegano, MD

Purpose: To have a multidisciplinary review of recent peer reviewed articles in the area of pediatric complex care that have the potential to impact clinical practice and program development.

BRK12: RESEARCH CP: RESULTS FROM A COMMUNITY-BASED RESEARCH PRIORITIZATION PROJECT

Paul Gross, BA; Amy F. Bailes, PT, PhD PCS; Michele Shusterman, BA; Ed Hurvitz, MD

Purpose: Educate academy members on the most pressing patient-centered research questions and outcomes that have been synthesized from input from a broad array of members of the CP community including people with CP, caregivers, advocacy organizations, clinicians, therapists, other CP providers and researchers.

BRK13: THE DCD ADVOCACY TOOLKIT: SUPPORTING DIAGNOSIS AND INTERVENTION FOR CHILDREN WITH DEVELOPMENTAL COORDINATION DISORDER



Jill Zwicker, OT, PhD

Purpose: Affecting one in 20 children, developmental coordination disorder (DCD) significantly interferes with a child's ability to learn motor skills and perform daily activities. Occupational and physical therapists play a key role in DCD assessment and treatment but report a lack of advocacy skills and awareness of best practices. To meet this gap, we developed an evidence-based resource with stakeholder input called the DCD Advocacy Toolkit. The purpose of this session is to review the toolkit and how it can be applied in practice.

BRK14: THE NATIONAL INSTITUTE OF NEUROLOGICAL DISORDERS AND STROKE (NINDS) UPDATES TO THE CEREBRAL PALSY COMMON DATA ELEMENTS VERSION 1.0 RECOMMENDATIONS

Joline E. Brandenburg, MD; Robin Feldman, BS, MBA; Joy Esterlitz, MS

Purpose: Through a partnership with the American Academy of Cerebral Palsy and Developmental Medicine (AAPDM), the National Institute of Neurological Disorders and Stroke (NINDS), the cerebral palsy (CP) specific Common Data Elements (CDE) were developed as part of the NINDS project to develop data standards for all NIH funded clinical research in neuroscience. The first iteration (Version 1.0) of the NINDS CP CDEs was made available on the NINDS CDE website in December 2016. The CP CDEs are content standards that can be applied to various data collection models and are intended to be dynamic with evolution over time. Based on public feedback, the NINDS CP CDE project convened the CP CDE Oversight Committee in September 2017 to update version 1.0 CP CDEs. This seminar is intended to facilitate a greater understanding about the CP CDEs and includes information on the process undertaken to revise and update the CP CDEs on the NINDS CDE Website and to demonstrate the use of the CP CDEs in research studies.

