

Breakfast Seminar Options

FRIDAY, OCTOBER 12

BRK15: AGING TRAJECTORY OF PAIN, CHRONIC DISEASE AND PSYCHOLOGICAL MORBIDITY IN CEREBRAL PALSY

Mark Peterson, PhD, MS; Ed Hurvitz, MD

Purpose: Many individuals with mild to moderate cerebral palsy (CP) can expect near-normal life expectancies, and yet there is a lack of clinical follow-up for patients after they transition from pediatric to adult primary care, and insufficient cohort data to track patients with CP longitudinally. The majority of clinical research has come from small interventions, and is centrally focused on symptom management for children or adolescents with CP. Despite the shortage of research to track lifelong health and chronic disease trajectories in this population, there is ample evidence demonstrating that individuals with CP have progressive motor impairment, unhealthy body composition, and excessive sedentary behavior profiles, all of which increase with age. These factors increase the risks of adults with CP for secondary chronic conditions that further worsen functional status and quality of life, as well as lead to decreased independence. CP represents a significant lifetime disability for individuals, their families, and caregivers, and is associated with increased prevalent cardiometabolic diseases, chronic multimorbidity, and a shortened life expectancy.

BRK16: CARING FOR THE CAREGIVER: IDENTIFICATION AND MANAGEMENT OF STRESS IN CAREGIVERS OF YOUNG CHILDREN WITH CEREBRAL PALSY AND OTHER COMPLEX NEUROMOTOR DISORDERS

Hillary Prather, MSW, LISW-S; Claire Morress, PhD, OTR/L, ATP

Purpose: Primary caregivers of children with cerebral palsy (CP) and other neuromuscular disorders experience high levels of stress related to caregiving activities. This interactive session will give clinicians practical strategies for identifying stress, including the use of the Parent Stress Index 4 Short Form (PSI-4-SF), and for supporting caregivers to maximize parent and child outcomes.

BRK17: CLEAR-CP: A TRANSDISCIPLINARY APPROACH TO DIAGNOSIS AND MANAGEMENT OF CORTICAL VISUAL IMPAIRMENT (cvi) IN CHILDREN WITH CP AND OTHER MOTOR IMPAIRMENTS

Kimberly A. Hymore, MS; Terry Schwartz, MD

Purpose: This interactive course will present CLEAR-CP, a transdisciplinary clinic for the evaluation and management of Cortical Visual Impairment (CVI) in children with cerebral palsy and other motor impairments. Topics include the focused Ophthalmology history and exam used to support a diagnosis of CVI, evaluation of functional vision in this population, and evidence-based recommendations for intervention. Participants will be able to apply the information to develop a low vision rehabilitation clinic for children with CVI in their own practice setting.



BRK18: DESTINATION MACS IV AND VI! OPTIMIZING ASSESSMENT TOOLS AND TREATMENT GOALS FOR CHILDREN WITH CP AND SEVERE UPPER EXTREMITY DYSFUNCTION

Renat Sukhov, MD; Alice Chu, MD; Melissa Schaeffer, OTD/OTR/L, BCP; Lori Belfiori, OTR

Purpose: Describe specific challenges with goal settings, treatment strategies and outcome measures of upper extremity function in children with more severely involved hemi/quadruplegia. Discuss innovative research and future directions.

BRK19: IMPLEMENTING CONSTRAINT INDUCED MOVEMENT THERAPY/BIMANUAL THERAPY WITH TODDLERS WITH CORTICAL VISUAL IMPAIRMENT

Karen Harpster, PhD, OTR/L; Jenny Dorich, B.S., MBA; Carrie Shotwell, OTR/L

Purpose: To discuss implementation of Constraint Induced Movement Therapy (CIMT) and Bimanual Therapy (BIT) with children diagnosed with cortical visual impairment (CVI). The presenters will describe environmental and task adaptations commonly utilized to match the visual demands to the motor task in order to promote success. Additionally, we will present outcomes collected for toddlers with CVI who completed the CIMT/BIT intervention.

BRK20: INTERGRATION OF PHYSICAL ACTIVITY MEASURES INTO CLINICAL PRACTICE FOR CHILDREN AND YOUTH WITH CEREBRAL PALSY

Nancy Lennon, DPT; Kristie F. Bjornson, PhD, PT, MS; Julieanne Sees, DO, FAOAO

Purpose: This breakfast seminar will describe two successful programs that measure mobility performance utilizing portable accelerometry and patient report tools.

BRK21: INTERPRETING HIP SURVEILLANCE X-RAYS WITH THE HIPSCREEN APP: A PRIMER FOR THE RADIOLOGY NOVICE

Vedant Kulkarni, MD; Jon R. Davids, MD; Pamela Thomason, B Physio, M Physio ; Suzanne Bratkovich, MSPT

Purpose: Large population-based studies have shown that hip surveillance with well-timed x-rays and proper intervention can eliminate hip dislocations and the need for salvage surgeries in children with cerebral palsy. Each hip's migration percentage, or the percentage of the femoral head (ball) outside of the acetabulum (socket) on a pelvis x-ray, is the most important measurement to predict progressive hip displacement. The free HipScreen App, awarded the AACPD's 2016 Fred P. Sage Award, allows anyone to measure the migration percentage on a mobile device. This seminar will introduce participants without formal training



in radiology to the fundamentals of interpretation of hip surveillance radiographs. Participants will be tutored on identifying important radiographic landmarks for the measurement of migration percentage, and will also learn radiographic signs of poor positioning that could limit the accuracy of the measurement. The majority of the seminar will be spent on actual measurement of hip surveillance radiographs using the free HipScreen App with coaching of experienced clinicians.

BRK22: PARTICIPATION RELATED CONSTRUCTS IN PRACTICE AND RESEARCH

Christine Imms, PhD; Peter L. Rosenbaum, MD; Andrew Gordon, PhD

Purpose: Present current perspectives to understand and measure participation, and provide strategies to apply the family of Participation Related Constructs in practice and research.

BRK23: QUANTITATIVE TECHNIQUES FOR ASSESSMENT OF UPPER EXTREMITY MOVEMENT AND FUNCTION

Aviva Wolff, EdD; Susan Duff, EdD, OT, PT

Purpose: The aim of this seminar is to present a framework for quantitative assessment and measurement of upper extremity (UE) movement, coordination, and function.

BRK24: THE PATH TO NOVEL REHAB DEVICES: CLINICIAN/ENGINEER COLLABORATION

Catherine L. Coley, PT, DPT, PCS; Tyler Salvador, BS; Olga Morozova, MD

Purpose: To describe the collaborative process of ideating and developing a product for a rehabilitation need, and evaluating its clinical effectiveness.

BRK25: TIME TO EAT: RISK MANAGEMENT TO IMPROVE PARTICIPATING IN EATING FOR CHILDREN WITH CEREBRAL PALSY

Gina Rempel, MD, FRCPC; Cynthia Brown. Dodds, PT, PhD; Marianne E. Gellert-Jones, MA, CCC-SLP; Barb Borton, BMR (OT), MSc

Purpose: This session will review the evidence for balancing risk and safety to improve participation in feeding for children with cerebral palsy (CP) who have challenges with feeding and swallowing. Clinicians from different disciplines will review ethical considerations of limiting oral intake, discuss aspiration and its consequences and discuss techniques to mitigate the risks associated with oral feeding so that children of all feeding skill levels can participate in this important life-enriching activity.



BRK26: UNDERSTANDING AND PREVENTING MULTI-MORBIDITY IN ADOLESCENTS AND ADULTS WITH CEREBRAL PALSY: AN EMPHASIS ON HEALTH-PROMOTING BEHAVIOURS

Jan Willem Gorter, MD, PhD; Rita Van den Berg, Dr; Joyce Benner, MSc; Patrick G. McPhee, MSc

Purpose: Present findings from the development of a core outcome set (COS) for assessing multi-morbidity risk in adolescents and adults with cerebral palsy (CP), and discuss the clinical approaches towards implementing standardized risk assessments and health-promoting behaviours in this population.

BRK27: WHAT'S IN YOUR TOOLBOX? PARTICIPATION-FOCUSED THERAPY FOR CHILDREN WITH CEREBRAL PALSY

Sarah E. Reedman, BPhy; Roslyn N. Boyd, PhD, MSc, BAppSc, BSc, Pgrad

Purpose: To equip therapists with the information required to develop an effective model of participation-focused practice, using the example of enablement of participation in physical activities in children with cerebral palsy (CP).

BRK28: DEVELOPING A CAREER IN ACADEMIC RESEARCH

Ralph Nitkin, PhD

Purpose: For clinicians, therapists and bioengineers who are considering a career in academic research, Dr. Nitkin will discuss career development, research funding strategies, grantsmanship, and clinical trial design, with a particular focus on research opportunities relevant to CP and other developmental disorders.

