



## Saturday, September 26, 2020

All session and presentation times are in the **Central Time (CDT) Zone** and are subject to change. Unsure how to convert times to your specific time zone; just click [here](#).

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### **Lunch & Learn Seminars (formerly 'Breakfast Seminars')**

**11:00 am - 12:00 pm, CDT; all "Lunch and Learn Seminars" run concurrently**

**LL28: An Examination of Stress and Promoting Couple and Family Relationship Health in Families of Children with Cerebral Palsy** | *Carrie M. Sewell-Roberts, LCSW; Michael W Shrader, MD; Carol M. Shrader, BA*

**LL29: Cellular determinants of muscle growth and adaptation to exercise in cerebral palsy – practical implications** | *Ferdinand von Walden, MD, PhD; Sudarshan Dayanidhi, PT, PhD*

**LL30: Early Occupational and Physical Therapy for Infants at High Risk for Cerebral Palsy, Implementing Strategies into Your Practice** | *Nancy Batterson, OT/L, SCFES; Ilene Crabtree, DPT; Lindsey Tobias, DPT, ABPTS; Kelly J. Tanner, PhD*

**LL31: Efficacy of Activity-Based Interventions to Expand Motor Function & Mobility in Infants & Toddlers** | *Susan V. Duff, EdD, MPT, OT/L, CHT; Jill Heathcock, MPT, PhD; Laura A. Prosser, PT, PhD*

**LL32: How to Participate in Registry based Research and Quality Improvement with the Cerebral Palsy Research Network** | *Paul H. Gross, BA; Garey Noritz, MD*

**LL33: Infant Intervention Trials: A Brainstorming Session on Goals, Methods, and Challenges** | *Stacey Dusing, PhD; Shaaron Brown, DPT; Barbara Sargent, PhD, PT, PCS; Richard D. Stevenson, MD*

**LL34: Is it Time for the New Era of Family-centred Service?** | *Monika Novak-Pavlic, MSc; Rachel E. Martens; Peter Rosenbaum, MD, FRCP(C), DSc (HC)*

**LL35: Maintaining and Progressing Skills after Pediatric Constraint Induced Movement Therapy (P-CIMT): Development and Use of an Individualized Transfer Package** | *Mary Rebekah Trucks, MS; Dory Wallace, MS; Stephanie C. DeLuca, PhD*

**LL36: Strategies for Addressing Self Injurious Behaviors in Children with Neurodevelopmental Disabilities** | *Emily Goodwin, MD; Irene C. Dietz, MD; Alison M. Ruby, MA; Eliana M. Pizarro, PhD*

**LL37: Transitioning Youth with Child-onset Conditions to Adulthood: Person-centered and evidence-based methods to address transition issues in a variety of clinical settings and geographic locations** | *Susan C. Labhard, MSN*

**LL38: Unanticipated benefits following intensive neurorehabilitation in children with cerebral palsy** | *Yannick Bleyenheuft, PhD; Andrew M. Gordon, PhD; Ya-Ching Hung, EdD*



**LL39: When to refer: Early indicators for communication concerns in cerebral palsy** |  
*Mary Jo C. Hidecker, PhD, MS, MA, CCC-A/SLP; Helen L. Long, MS, CCC-SLP*

**LL40: Updates from the National Institutes of Health on Peer Review and Funding Opportunities** | *Ralph Nitkin, PhD; Maria Nurminskaya, PhD*

**Break / Get Up and Move Activity (12:00 pm - 12:30 pm, CDT)**

**Free Paper Sessions (12:30 pm - 2:15 pm, CDT; "Free Paper Sessions I-L" run concurrently)**

**Free Paper Session I: Ortho Spine and Neuromuscular**

- 12:30 pm - 12:37 pm      **I1: Development of a risk score for scoliosis in children with cerebral palsy** | *Katina Pettersson, PhD; Elisabet Rodby-Bousquet, PhD*
- 12:38 pm - 12:45 pm      **I2: Predicted Life Expectancy in Patients with Cerebral Palsy and Neuromuscular Scoliosis Undergoing Spinal Fusion: An Exploratory Analysis from a Single Institution Over 15-years** | *Michael W Shrader, MD; Arun R. Hariharan, MD; Carlos Pargas, MD; Margaret Baldwin, MD; Joseph Petfield, MD; Kenneth Rogers, MD; Julio Jauregui, MD; Suken Shah, MD; Julieanne Sees, DO; Freeman Miller, MD*
- 12:46 pm - 12:53 pm      **I3: Determining Incidence and Risk Factors of Pressure Ulceration after Orthopaedic Surgery in Children with Neuromuscular Complex Chronic Conditions** | *Benjamin Shore, MD MPH; Aneesh V. Samineni, BA; Jodie Shea, BS; Patricia Miller, MS; Lanna Feldman, MS; Christopher Hopkinson, RN; Rachel L. DiFazio, PhD*
- 12:54 pm - 1:01 pm      **I4: Impact of Hospital and Child Characteristics on Receiving Inpatient Physical Therapy after Orthopedic Lower Extremity Surgery in Children with Cerebral Palsy** | *Amy F. Bailes, PhD; Colleen Mangeot, MS; Natalie J. Murphy, MPH; Zachary S. Richardson, PhD; James McCarthy, MD; Beth M. McManus, PT, MPH, ScD*
- 1:02 pm - 1:09 pm      **I5: Musculoskeletal pathology in children with Cerebral Palsy: A classification system** | *Tandy Hastings-Ison, PhD; H. Kerr Graham, MD; Pam Thomason, MPT; Erich Rutz, MD; Kate L. Willoughby, B Physio, D Physio; Abhay Khot, MD*
- 1:24 pm - 1:31 pm      **I6: Sagittal Plane Deformities in Children with SMA2 following Posterior Spinal Instrumentation** | *Matthew Halanski, MD; James T. Bernatz, MD; Rewais Hanna; Mark Sharafinski*
- 1:32 pm - 1:39 pm      **I7: Progression of Hip Instability in Children with Spinal Muscular Atrophy** | *Sayan De, MD; Wade Coomer, BS; Alexis*



- Gerk, BS; Cosmo Kwok, MD; Zhaoxing Pan, PhD; Joyce Oleszek, MD; Anne Stratton, MD; Frank Chang, MD*
- 1:40 pm - 1:47 pm **I8: Spina Bifida Functional Classification System: A Preliminary Study** | *Vedant A. Kulkarni, MD; Maya Evans, MD; Donald Kephart, MD; Dana Sheng, MD; Jon R. Davids, MD; Anita Bagley, PhD, MPH*
- 1:48 pm - 1:55 pm **I9: Ambulation Increases the Risk of Amputation in Patients with Spina Bifida Who Have a Lower Extremity Pressure Sore** | *Caroline Gormley, BS; Supreet Deshpande, MD; Mark Gormley, Jr., MD*
- 1:56 pm - 2:03 pm **I10: Neurosurgical Procedures for Co-morbid Conditions after Closure of Myelomeningocele by Fetal surgery versus by Postnatal Surgery: A Matched Cohort Study** | *Gordon Worley, MD; Rachel Greenberg, MD; Brandon Rocque, MD; Tiebin Liu, PhD; Brad Dicianno, MD; Richard C. Adams, MD; Jonathan Castillo, MD; Heidi Castillo, MD; Elizabeth Ward, RN; Tonya Williams, PhD; Jeffrey Blount, MD; John Wiener, MD*

**Free Paper Session J: Tone**

- 12:30 pm - 12:37 pm **J1: Safety of Botulinum Toxin injections in Children Under One Year of Age** | *Nikhil Deshpande; Supreet Deshpande, MD; Mark Gormley, Jr., MD*
- 12:38 pm - 12:45 pm **J2: Lower Limb Injections of OnabotulinumtoxinA: Improvement in Gait and Treatment Goal Achievement in Pediatric Patients with Cerebral Palsy** | *Heakyung Kim, MD; Brad Racette, MD; Courtney Dunn; Shubhra Mukherjee, MD; Emily McCusker, PhD; Chengcheng Liu, PhD; Rozalina Dimitrova, MD, MPH*
- 12:46 pm - 12:53 pm **J3: Botulinum Toxin A and Osteopenia in Experimental Animal Models: A Systematic Review** | *Kelsey Davidson, MD; Min Jia Tang, MBBS; Tandy Hastings-Ison, PhD; Jason J. Howard, MD; Abhay Khot, MD; H. Kerr Graham, MD*
- 12:54 pm - 1:01 pm **J4: Efficacy and safety of abobotulinumtoxinA for upper limb spasticity in children with cerebral palsy: Results from an international, Phase 3, pivotal study** | *Mauricio R. Delgado, MD; Ann Tilton, MD; Jorge Carranza, MD; Nigar Dursun, MD; Marcin Bonikowski, MD; Resa Aydin, MD; Iwona Maciag-Tymecka, MD; Joyce Oleszek, MD; Edward Dabrowski, MD; Anne-Sophie Grandoulier, BS; Philippe Picaut, PharmD*
- 1:02 pm - 1:09 pm **J5: Individualized OnabotulinumtoxinA Treatment for Spasticity in Adult Cerebral Palsy Patients Resulted in High Patient and Clinician Satisfaction in the ASPIRE Study** |



*Gerard E. Francisco, MD; Daniel S. Bandari, MD; Ganesh Bavikatte, MD; Wolfgang Jost, MD; Aleksej Zuzek, PhD; Joan Largent, PhD, MPH; Alberto Esquenazi, MD*

1:24 pm - 1:31 pm

**J6: Long-term Safety and Efficacy of OnabotulinumtoxinA for the Treatment of Upper Limb Spasticity in Children With Cerebral Palsy: Open-label Extension Study** | *Emily McCusker, PhD; Darcy Fehlings, MD, MSc, FRCP(C); Rozalina Dimitrova, MD, MPH; Kayla Chen, PhD; Marta Banach, PhD; Marcin Bonikowski, MD*

1:32 pm - 1:39 pm

**J7: Upper Extremity Performance Changes in Children with Spastic Cerebral Palsy following Selective Dorsal Rhizotomy** | *Patricia Mortenson, MSc; Nishanth Sadashiva, MCh; Mandeep S. Tamber, MD PhD; Paul Steinbok, MBBS*

1:40 pm - 1:47 pm

**J8: Quality of Life, level of disability and mental health of adults with cerebral palsy more than 25 years after Selective Dorsal Rhizotomy** | *Nelleke G. Langerak, MSc, PhD; Berendina E. Veerbeek, PhD; A G. Fieggen, MD, FCS(SA); Robert P. Lamberts, MSc, PhD, FECSS*

1:48 pm - 1:55 pm

**J9: Outcomes of intensive versus minimal spasticity management strategies on individuals with cerebral palsy: preliminary results of a long-term multi-center study** | *Meghan E. Munger, MPH; Brian Po-Jung Chen, MD; Elizabeth A. Duffy, MPH; Bruce A. MacWilliams, PhD; Mark L. McMulkin, PhD; Lisa H. Carter, PT; Shelley L. Mader, PT; Brianna Hayes, MS; Tom F. Novacheck, MD; Kristen L. Carroll, MD; Alan K. Stotts, MD; Glen O. Baird, MD; Michael H. Schwartz, PhD*

1:56 pm - 2:03 pm

**J10: Pharmacological and neurosurgical interventions for managing dystonia in cerebral palsy: a systematic review update and meta-analysis using GRADE** | *Darcy Fehlings, MD, MSc, FRCP(C); Emma Bohn; Katherine Goren, BHSc; Lauren Switzer, MSc; Yngve Falck-Ytter, MD*

**Free Paper Session K: Home and Community Care**

12:30 pm - 12:37 pm

**K1: Supported Mobility Devices for People with Cerebral Palsy: Stakeholder Perspectives and Needs** | *Heather A. Feldner, PT, PhD, PCS; Kristie Bjornson, PT, PhD; Deborah Gaebler-Spira, MD; Varun Awasthi*

12:38 pm - 12:45 pm

**K2: The Friends Project: A randomised controlled trial of a group social skills program, PEERS®, in youth with acquired brain injuries and cerebral palsy** | *Rose Gilmore; Jenny Ziviani; Nicola Hilton; Sarah McIntyre, PhD; Hayley*





*SmithersSheedy; Tracey Williams, PhD; MCN; Elizabeth Laugeson; Leanne Sakzewski, PhD, OT*

12:46 pm - 12:53 pm

**K3: Parenting and social factors promote developmental resilience in former preterm children at preschool age** | Mary Lauren M. Neel, MD, MSCI; Tyler Busch, BS; Aryanne De Silva, PhD; Melissa Moore-Clingenpeel, MS; Hudson (Gerry) Taylor, PhD; Nathalie Maitre, MD, PhD

12:54 pm - 1:01 pm

**K4: FATHERS MATTER: Blending of patient-oriented and knowledge translation approaches to enhance healthcare experiences among fathers of children with developmental disabilities** | Tatiana Ogourtsova, PhD; Maureen O'Donnell, MD MSc; Derrick Chung; Frank Gavin; Aline Bogossian, PhD; Annette Majnemer, OT, PhD, FCAHS

1:02 pm - 1:09 pm

**K5: Relationship Between Mobility and Parent-provided Cognitive Opportunities in Young Children with Heterogeneous Motor Abilities** | Audrey E. Kane, PhD, OTR/L; Natalie A. Koziol, PhD; Lin-Ya Hsu, PhD; Ketaki Inamdar, MPT; Rebecca M. Molinini, DPT; Regina T. Harbourne, PhD; Michele A. Lobo, PT, PhD; Sarah Westcott McCoy, PhD; James A. Bovaird, PhD; Stacey Dusing, PhD

1:24 pm - 1:31 pm

**K6: Age of CP diagnosis, but not current rehabilitation services, are related to gross motor function level in school-aged children** | Rachel L. Bican, DPT; Jill Heathcock, MPT, PhD; Rachel Ferrante, DPT; Sarah Hendershot, DPT

**K7: Withdrawn by Author**

1:32 pm - 1:39 pm

**K8: A pre-operative bowel evacuation protocol which reduces post-operative gastrointestinal and feeding problems in children with cerebral palsy who undergo a major surgery** | Alexander Kulkarni; Supreet Deshpande, MD; Mark Gormley, Jr., MD; Annette Lowell, RN; Marie Krisik, RN

1:40 pm - 1:47 pm

**K9: Home Nursing for US Children with Home Mechanical Ventilation (HMV): Key Informant Perspectives** | Sarah A. Sobotka, MD, MSCP; Ayesha Dholakia, BA; Jay Berry, MD, MPH; Maria Brenner, PhD, MSc; Robert Graham, MD; Denise Goodman, MD; Rishi Agrawal, MD, MPH

**Free Paper Session L: Pain and Train**

12:30 pm - 12:37 pm

**L1: Pain Management after Hip Reconstruction in Cerebral Palsy: Is Epidural Analgesia Safe and Efficacious in the Presence of a Baclofen Pump?** | Benjamin Shore, MD MPH;



*Aneesh V. Samineni, BA; Susan E. Eklund, MD; Patricia Miller, MS; Jodie Shea, BS; Kristin Buxton, MSN; Brian Snyder, MD, PhD; Travis Matheney, MD; Scellig Stone, MD, PhD; Colyn Watkins, MD; Walid Alrayashi, MD*

12:38 pm - 12:45 pm

**L2: Pain phenotype and prevalence in adults living with cerebral palsy and spina bifida: A cohort study of privately-insured beneficiaries** | *Mark Peterson, PhD; Neil Kamdar; Paul Lin; Heidi Haapala, MD*

12:46 pm - 12:53 pm

**L3: Pain in adults with cerebral palsy** | *Elisabet Rodby-Bousquet, PhD; Ann Alriksson-Schmidt, MSPH, PhD; Johan Jarl, PhD*

12:54 pm - 1:01 pm

**L4: Caregiver Reported Pain-relieving Approaches and Associated Effectiveness by Pain Type in Individuals with Cerebral Palsy** | *Abigail Raiter, BA; Alyssa Merbler, MA; Lisa Lykken, BS; Chantel C. Barney, PhD; Frank Symons, PhD*

1:02 pm - 1:09 pm

**L5: Chronic Pain, Activities, and Participation in Children with Cerebral Palsy** | *Gavin Colquitt, EdD; Haresh Rochani, DrPH, MPH, M.B.B.S.; Christopher Modlesky, PhD; Li Li, PhD; Barbara Weissman, MD; Joshua Vova, MD*

1:24 pm - 1:31 pm

**L6: Train, gain and maintain: Maintenance of functional gains following an eight-week goal-directed training program for children with cerebral palsy** | *Ellen L. Armstrong, BExSc, MSc(APA), MPT; Christopher Carty; Sean Horan; Roslyn N. Boyd, PhD; Robert Ware, PhD; Megan Kentish*

1:32 pm - 1:39 pm

**L7: SPORTS STARS: A practitioner-led, peer-group sports intervention improves physical activity competence for ambulant children with cerebral palsy** | *Georgina L. Clutterbuck, BS*

1:40 pm - 1:47 pm

**L8: Play Abilities in Children with Cerebral Palsy are Delayed in Multiple Domains of Development** | *Tanya Tripathi, PhD; Thais Invencao Cabral, PhD; Rachel L. Bican, DPT; Gardenia Barbosa, PhD; Jill Heathcock, MPT, PhD*

1:48 pm - 1:55 pm

**L9: Impact of an intensive motor skill learning intervention on the top-down executive control of children with cerebral palsy and its relationship with daily life activities: a randomized control trial** | *Rodrigo Araneda, PhD; Daniela Ebner-Karestinos, PT; Geoffroy Saussez; Julie Paradis, PhD; Yannick Bleyenheuft, PhD*

1:56 pm - 2:03 pm

**L10: A comparison of cycling smoothness, rhythm and cadence in children with and without cerebral palsy** | *Ashwini*



*Sansare, PT; Ahad Behboodi, PhD; James Alesi; Samuel C.K. Lee, PT, PhD*

## Instructional Courses

**2:30 pm - 4:30 pm, CDT; all "Instructional Courses" run concurrently**

**IC27: Toe Walking: How do you know who to worry about?** | *Kristan A. Pierz, MD; Sylvia Ounpuu, MSc; Jennifer Rodriguez-MacClinitic*

**IC28: Hereditary Spastic Paraparesis: A Multidisciplinary Approach to Diagnosis and Treatment** | *Robert Wimberly, MD; Michelle Christie, MD; Fabiola Reyes, MD*

**IC29: Management of knee disorders in ambulatory cerebral palsy** | *Mauro C. de Morais Filho, MD, MSc, PhD; Francesco C. Blumetti, MD; Paulo Selber, MD*

**IC30: Neuro-orthopaedic Journal Club: Top Articles in the Last Year Relating to the Orthopaedic Management of Children with Neuromuscular Disorders and Classic Perspectives** | *Amanda T. Whitaker, MD; Jon R. Davids, MD; Benjamin Shore, MD, MPH*

**IC31: Management of Difficult Clinical Presentations of Hypertonia and Complex Movement Disorders in Children with Disabilities** | *Mark Gormley, Jr., MD; Tim Feyma, MD; Patrick Graupman, MD*

**IC32: Sports interventions for young people with cerebral palsy- fun and effective interventions for all ages, GMFCS levels, and participation levels** | *Georgina L. Clutterbuck, BS; Iain Dutia, BS; Paula Wilson; Leanne Johnston, PhD*

**IC33: Stakeholder Engagement in the Creation of New Digital Platforms: Knowing What Tomorrow's Needs are Today** | *Tracy Pickar, MSW; Peter Rosenbaum, MD, FRCP(C), DSc (HC); Sarah Kim, MS*

**IC34: When it Comes to Dosing, Just OK is Not OK – Why We Should Be Doing 1- Repetition Maximum Testing in Children with Cerebral Palsy** | *Noelle G. Moreau, PhD, PT; Mattie Pontiff, DPT; Corbin Lemon, BS, MPH*

**Break / Get Up and Move Activity (4:30 pm - 5:00 pm, CDT)**

**General Session (5:00 pm - 7:00 pm, CDT)**

5:00 pm - 5:20 pm **Duncan Wyeth Award** | *Clayton Frech*

5:20 pm - 6:45 pm **Chambers Family Lifespan Lecture** | *Patrick Lawrence, Cody Jones, Gracie and Lanie Lockwood, Tessa and Janie Taylor*

6:45 pm – 6:55 pm **Closing Remarks** | *Susan Sienko, PhD*

6:55pm - 7:00 pm **2021 Intro** | *Tom Novacheck, MD*