Free Paper Sessions I- L

Free Papers I: Adolescents and Adults

8:20 AM - 8:27 AM
I1: WHO AM I, AS AN ADULT WITH CP? LESSONS FOR HEALTHY IDENTITY DEVELOPMENT FROM A QUALITATIVE STUDY
Oksana Hlyva, MSc; Robert J. Palisano, PhD, PT; Matt Freeman, MSc; Julia E. Hanes, BS; Peter Rosenbaum, MD, FRCPC; Tram Nguyen, MSc., PhD Candidate; Debra Stewart, MSc; Jan Willem Gorter, PhD, FRCPC, MD

8:28 AM - 8:35 AM
I2: LONG-TERM DETERIORATION OF PERCEIVED HEALTH AND FUNCTIONING OF ADULTS WITH CEREBRAL PALSY
Joyce L. Benner, MSc; Sander R. Hilberink, PhD; Thessa Veenis, MD; Wilma MA. van der Slot, MD PhD; Marij E. Roebroeck, PhD

8:36 AM - 8:43 AM
I3: SELF REPORTED QUALITY OF LIFE IN ADOLESCENCE AND YOUNG ADULTS WITH CEREBRAL PALSY
Nancy Lennon, MS, PT; Jennifer Rutishauser, BS; Chris Church, MPT; Tim Niiler, BS, MA, MS, PhD; Freeman Miller, MD; Juliane P. Sees, DO

8:44 AM - 8:51 AM
I4: COMPARISON OF TRADITIONAL AND NOVEL INDICATORS OF CARDIOVASCULAR HEALTH AND PHYSICAL ACTIVITY LEVELS IN ADOLESCENTS AND ADULTS WITH CEREBRAL PALSY BETWEEN GROSS MOTOR FUNCTION LEVELS I AND II
Patrick G. McPhee, MSc; Matthew Wong-Pack, BHSc; Maureen MacDonald, PhD; Joyce Obeid, PhD; Brian Timmons, PhD; Jan Willem Gorter, PhD, FRCPC, MD

8:52 AM - 8:59 AM
I5: HABITUAL PHYSICAL ACTIVITY IN ADULTS WITH CEREBRAL PALSY: ARE THEY DOING ENOUGH?
Ritika Johal, BS; Shari O'Brien, BS; Glen Lichtwark, PhD; Roslyn N. Boyd, PhD, MSc, PT; Stewart G. Trost, PhD; Lee Barber, PhD

9:00 AM – 9:15 AM QUESTIONS AND ANSWERS

9:16 AM - 9:23 AM
I6: WHAT’S IMPORTANT FOR QUALITY OF LIFE IN ADULTS WITH CEREBRAL PALSY?
PERSONAL INDEPENDENCE, INTIMACY, AND WELL-BEING
Donna Oeffinger, PhD; Mary E. Gannotti, PhD, PT; George Gorton, MS; Jamie Wilson, B.S.; Anita Bagley, PhD, MPH
9:24 AM - 9:31 AM
17: PRACTITIONERS’ KNOWLEDGE, ATTITUDES AND BEHAVIORS ABOUT REPRODUCTIVE HEALTH CARE FOR YOUNG WOMEN WITH CEREBRAL PALSY
Susan H. Gray, MD; Rachel Byrne, Bachelor of Physical Therapy/ Bachelor of Exercise Science; Zachary J. Bloom, BA; Molly Wylie, BA; Laurie Glader, MD

9:32 AM - 9:39 AM
18: BREAST CANCER SCREENING IN WOMEN WITH CEREBRAL PALSY: COULD CARE DELIVERY BE IMPROVED?
Deborah Gaebler-Spira, MD; Rachel Byrne, Bachelor of Physical Therapy/ Bachelor of Exercise Science; Allison Todd, PhD; Judy Panko Reis, BA, MA, MS; Judith Wolfman, BA; Neelam Nandam, BA; Zachary J. Bloom, BA; Christina Marciniak, MD; David Roye, MD

9:40 AM - 9:47 AM
19: EXPERIENCES OF WOMEN WITH CEREBRAL PALSY ACCESSING WOMEN’S HEALTHCARE SERVICES
Rachel Byrne, Bachelor of Physical Therapy/ Bachelor of Exercise Science; Tracy Pickar, MSW; Laurie Glader, MD; Deborah Gaebler-Spira, MD; Eileen Fowler, PhD; David Roye, MD

9:48 AM - 9:55 AM
20: THE IDD CLASSIFICATION ALGORITHM: SAVING PATIENTS FROM PROXY
Zachary J. Bloom, BA; Hiroko Matsumoto, MA; Stephen Maier, BA; Julie Y. Yoshimachi, BA; Manahil N. Naqvi, BS; Heakyung Kim, MD; Joseph Dutkowsky, MD; Brian Snyder, PhD, MD; Joshua Hyman, MD; David Roye, MD
Free Papers J: Spine & Hips

8:20 AM - 8:27 AM  
J1: PREVENTION OF HIP DISPLACEMENT IN CHILDREN WITH CEREBRAL PALSY: A SYSTEMATIC REVIEW  
Stacey D. Miller, MRSc, BSc (PT); Maria Juricic, BSc (PT); Kim Hesketh, PT; Lynore McLean, BSc (PT); Sonja Magnuson, MSc; BMR (OT); Sherylin Gasior, MSc (OT); Maureen O'Donnell, MD, MSc; Kishore Mulpuri, MBBS, MS, MHSc,

8:28 AM - 8:35 AM  
J2: THE RISK OF HIP SUBLUXATION IS LESS IN CHILDREN WITH DYSTONIC CEREBRAL PALSY THAN CHILDREN WITH SPASTICITY  
Aakash Deshpande, BS; Mark Gormley, MD; Supreet Deshpande, MD

8:36 AM - 8:43 AM  
J3: INTER AND INTRA-OBSERVER RELIABILITY OF THE ROBIN AND GRAHAM CLASSIFICATION SYSTEM FOR HIP DISEASE IN CEREBRAL PALSY  
Anna Lise Koenig, MD; M. Wade Shrader, MD; Emily Andrisevic, MD; Mohan V. Belthur, MD, FRCSC, FRCS (Tr & Orth); Greg White, MD; Judson Karlen, MD; Carla Boan, MSc; William Wood, MD

8:44 AM - 8:51 AM  
J4: TRAINING THE NEXT GENERATION OF SURGEONS IN RECONSTRUCTIVE HIP SURGERY  
Leena Zhou, MBBS; Mark Camp, FRCS(C), MD, MSc; Abhay D. Gahukamble, MD; Kate Willoughby, DPT, PT; Charlotte Molesworth, BSc, MBiostat; Abhay Khot, MD; H Kerr Graham, MD

8:52 AM - 8:59 AM  
J5: SMARTPHONE APP FOR COMMUNITY-BASED HIP SURVEILLANCE PROGRAM FOR CHILDREN WITH CEREBRAL PALSY: A PRELIMINARY STUDY  
Vedant A. Kulkarni, MD; Jon Davids, MD; Anita Bagley, PhD, MPH

9:00 AM – 9:15 AM QUESTIONS AND ANSWERS

9:16 AM - 9:23 AM  
J6: THE EFFECT OF HIP RECONSTRUCTIVE SURGERY ON HEALTH RELATED QUALITY OF LIFE IN NON-AMBULATORY CHILDREN WITH CEREBRAL PALSY  
Rachel L. DiFazio, PhD, APRN; Benjamin Shore, MD, MPH, FRCS; Judith Vessey, PhD, RN; Patricia Miller, MS; Brian Snyder, PhD, MD
9:24 AM - 9:31 AM
J7: POST-OPERATIVE OUTCOMES FOR CHILDREN WITH CEREBRAL PALSY AND SCOLIOSIS FOLLOWING SPINAL SURGERY: A SYSTEMATIC REVIEW
Rachel Toovey, MPH, PT; Adrienne Harvey, PhD; Louise Baker, MB(Hons) Bch BAO MRCPI(CH) FRACP; Michael B. Johnson, MBBS; Dinah S. Reddihough, FRACP, MD; Katrina Williams, PhD, MBBS, MSc

9:32 AM - 9:39 AM
J8: USING RETROSPECTIVE DATA TO OPTIMISE FUTURES OUTCOMES OF SCOLIOSIS SURGERY IN CP
Louise Baker, MB(Hons) Bch BAO MRCPI(CH) FRACP; Adrienne Harvey, PhD; Sacha Petersen, RN BN PGdipACN MAdvNursPrac; Michelle Gould; Colin F. Robertson; Susan Reid, PhD MClinEpi BAppSc; Michael B. Johnson, MBBS; Katrina Williams, PhD, MBBS, MSc

9:40 AM - 9:47 AM
J9: IMPACT OF CORRECTIVE SPINAL FUSION SURGERY ON HEALTH RELATED QUALITY OF LIFE OF CHILDREN WITH CEREBRAL PALSY
Unni G. Narayanan, FRCS(C), MBBS, MSc; Patrick Cahill, MD; Paul D. Sponseller, MD; Mark Abel, MD; Burt Yaszay, MD; Stefan Parent, MD, PhD; Josh Pahys, MD; Suken Shah, MD; Jack Flynn, MD; Amer Samdani, MD

9:48 AM - 9:55 AM
J10: IS EARLY DISCHARGE POSSIBLE FOLLOWING POSTERIOR SPINAL FUSION FOR NEUROMUSCULAR SCOLIOSIS?
Nicholas D. Fletcher, MD; Laura L. Bellaire, MD; Laura A. Ward, MPH; Christine A. Bowman, MD; Robert W. Bruce, MD
Free Papers K: Basic Science/Imaging

8:20 AM - 8:27 AM
K1: REORGANIZATION OF THE SOMATOSENSORY CORTEX IN CHILDREN WITH CEREBRAL PALSY DUE TO IMPAIRED THALAMOCORTICAL SENSORY TRACTS
Christos Papadelis, PhD; Erin E. Butler, PhD; Madelyn Rubenstein, BSc; Brian Snyder, PhD, MD; P Ellen Grant, MD, PhD

8:28 AM - 8:35 AM
K2: NEURAL ACTIVATION WITHIN THE FRONTAL CORTICES DURING THE MOTOR ACTIONS OF CHILDREN WITH HEMIPLEGIC CEREBRAL PALSY
Swati M. Surkar, MS PT; Rashelle Hoffman, MS PT; Regina Harbourne, PhD, PT; Max Kurz, PhD

8:36 AM - 8:43 AM
K3: ALTERED WHITE MATTER CONNECTIVITY ASSOCIATED WITH INTERGYRAL BRAIN DISORGANIZATION IN CEREBRAL PALSY
Christos Papadelis, PhD; Banu Ahtam, PhD; Madelyn Rubenstein, BSc; Brian Snyder, PhD, MD; P Ellen Grant, MD, PhD; Kiho Im, PhD

8:44 AM - 8:51 AM
K4: UNDERPINNINGS OF INTRACORTICAL MOTOR CIRCUITS PHYSIOLOGY IN CHILDREN WITH UNILATERAL CEREBRAL PALSY
Véronique H. Flamand, PhD, OT; Ana Smorenburg, PhD; Hsing-Ching Kuo, PT, MS; Michelle Marneweck, PhD; Claudio L. Ferre, PhD; Yannick Bleyenheuft, PhD, PT; Daniela Ebner-Karestinos, PT; Karen Chin, MS; Andrew Gordon, PhD; Kathleen Friel, PhD

8:52 AM - 8:59 AM
K5: OPTIMIZATION OF MRI-BASED SCORING SCALES OF BRAIN INJURY SEVERITY IN CHILDREN WITH UNILATERAL CEREBRAL PALSY
Alex Pagnozzi, BS; Roslyn N. Boyd, PhD, MSc, PT; Simona Fiori, MD; Stephen Rose, PhD; Nicholas Dowson, PhD

9:00 AM – 9:15 AM QUESTIONS AND ANSWERS

9:16 AM - 9:23 AM
K6: IMPAIRED RIBOSOME BIOGENESIS IN SKELETAL MUSCLE OF CHILDREN WITH SPASTIC CEREBRAL PALSY
Ferdinand von Walden, MD, PhD; Eva Pontén, MD, PhD; Gustavo Nader, PhD
9:24 AM - 9:31 AM
K7: ULTRASTRUCTURAL ALTERATIONS IN THE CONNECTIVE TISSUE OF HAMSTRING MUSCLES IN CHILDREN WITH CEREBRAL PALSY
Rachel Meza, MS; Richard Lieber, PhD

9:32 AM - 9:39 AM
K8: THE ROLE OF LOWER EXTREMITIES’ SOMATOSENSORY ABILITY ON MOTOR FUNCTION IN CHILDREN WITH CEREBRAL PALSY.
Anastasia Zarkou, PT, MS; Samuel C. K. Lee, BS, MPT, PhD; Laura A. Prosser, PT, PhD; Sungjae Hwang, Ph.D.; John Jeka, PhD

9:40 AM - 9:47 AM
K9: THE RELATIONSHIP BETWEEN MIRROR MOVEMENTS AND CORTICOSPINAL TRACT CONNECTIVITY IN CHILDREN WITH UNILATERAL SPASTIC CEREBRAL PALSY
Hsing-Ching Kuo, PT, MS; Claudio L. Ferre, PhD; Kathleen Friel, PhD; Andrew Gordon, PhD

9:48 AM - 9:55 AM
K10: EYE AND HAND ONSETS SHOW SIMILAR ADAPTIVE CHANGES IN TEMPORAL COORDINATION FOR PEOPLE WITH AND WITHOUT CEREBRAL PALSY
Alexander R. Payne, BA; B. Plimmer, PhD, MSc; Andrew McDaid, PhD; T. Claire Davies, PhD, MSc
Free Papers L: Outcomes

8:20 AM - 8:27 AM
L1: WHAT DO PEDIATRIC PAIN TOOLS REALLY MEASURE?: CONTENT ANALYSIS USING THE INTERNATIONAL CLASSIFICATION OF FUNCTIONING, DISABILITY AND HEALTH
Veronica Schiariti, PhD, MD, MSc; Tim F. Oberlander, BA, FRCPC, MD

8:28 AM - 8:35 AM
L2: INITIAL PROOF OF CONCEPT FOR A SELF-REPORT OF FUNCTIONAL PERFORMANCE FOR TRANSITION-AGE YOUTH: THE PEDI-PRO
Jessica M. Kramer, PhD; Ariel Schwartz, MS

8:36 AM - 8:43 AM
L3: DEVELOPMENT OF AN INVENTORY OF GOALS USING THE INTERNATIONAL CLASSIFICATION OF FUNCTIONING, DISABILITY AND HEALTH IN A POPULATION OF NON-AMBULATORY CHILDREN AND ADOLESCENTS WITH CEREBRAL PALSY TREATED WITH BOTULINUM TOXIN A
Linda Nguyen, BHSc; Ronit Mesterman, FRCPC, MD; Jan Willem Gorter, PhD, FRCPC, MD

8:44 AM - 8:51 AM
L4: VALIDITY TESTING OF A SOCIAL COMMUNICATION CLASSIFICATION SYSTEM OF FUNCTIONING FOR PRESCHOOL CHILDREN WITH AUTISM SPECTRUM DISORDER
Briano Di Rezze, PhD; Paul W. Stratford, PT, MSc; Peter Rosenbaum, MD, FRCPC; Lonnie Zwaigenbaum, MD MSc; Mary Jo Cooley Cooley Hidecker, MA, MS, PhD; Helena Viveiros, BSc, BA, MSc(c); Mary Law, PhD

8:52 AM - 8:59 AM
L5: ASSESSING ADVANCED MOTOR SKILLS IN YOUNG PEOPLE WITH CEREBRAL PALSY IN GMFCS LEVELS I AND II: RASCH ANALYSIS OF THE CHALLENGE
Virginia Wright, PhD, MSc, PT; Lisa Avery, MS; Darcy Fehlings, FRCPC, MD; Peter Rosenbaum, MD, FRCPC; Ellen Wood, FRCPC, MD; Marie Kim, FRCPC, MD; John C. Andersen, FRCPC, MD; Ronit Mesterman, FRCPC, MD; Cheryl Glazebrook, PhD, PT; Lori Roxborough, MSc, OT, PT; Bhavnita Mistry, MA

9:00 AM – 9:15 AM QUESTIONS AND ANSWERS

9:16 AM - 9:23 AM
L6: HOW DO CLINICIANS AND RESEARCHERS DEFINE, DESCRIBE, ASSESS AND TREAT POSTURAL CONTROL DYSFUNCTION IN CEREBRAL PALSY: A DELPHI SURVEY.
Rosalee M. Dewar, BA, PT; Andrew P. Claus, PhD, PT; Kylie Tucker, PhD; Leanne Johnston, PhD, PT
9:24 AM - 9:31 AM
L7: THE MEASURE OF BALANCE SKILLS: A NEW TOOL FOR MEASUREMENT OF REACTIVE AND ANTICIPATORY BALANCE IN CHILDREN WITH CEREBRAL PALSY.
Debi Craddock, PT, DPT, MS, PCS; Eunice Shen, PT, PhD, DPT, MS, PCS; Gail Monti, PT, PCS, C/NDT

9:32 AM - 9:39 AM
L8: RELIABILITY AND VALIDITY OF EDINBURGH VISUAL GAIT SCORE AS AN EVALUATION TOOL FOR CHILDREN WITH CEREBRAL PALSY
Maria del Pilar Duque Orozco, MD; Chris Church, MPT; Nancy Lennon, MS, PT; Oussama Abousamra, MD; Justin Connor, MD; Julieanne P. Sees, DO; John Henley, PhD; Freeman Miller, MD

9:40 AM - 9:47 AM
L9: THE GAIT OUTCOMES ASSESSMENT LIST (GOAL): VALIDATION OF A NEW MEASURE OF GAIT FUNCTION FOR CHILDREN WITH CEREBRAL PALSY.
Pamela J. Thomason, MPT; Annie Tan, MD; Alice Donnan, MD; Jill Rodda, PhD; H Kerr Graham, MD; Unni G. Narayanan, FRCS(C), MBBS, MSc

9:48 AM - 9:55 AM
L10: GAIT DEVIATION INDEX AND FUNCTIONAL DISABILITY RATING SCALE IN SUBJECTS WITH HEREDITARY SPASTIC PARAPARESIS
Kirsten Tulchin-Francis, PhD; Anthony Anderson, M.S.; Linsley B. Smith, BS, RN; Mauricio R. Delgado, MD