Free Papers E: Orthopedics

10:35 AM - 10:42 AM
E1: QUANTITATIVE ASSESSMENT OF MUSCLE STRENGTH FOLLOWING “SLOW” SURGICAL LENGTHENING OF THE MEDIAL HAMSTRING MUSCLES IN CHILDREN WITH CEREBRAL PALSY
Jon Davids, MD; Kelly L. Sattler-Petrocchi, BS; Anita Bagley, PhD, MPH; Sally Yeats, BA; Jennette L. Boakes, MD; Nina Q. Cung, BA, BS

10:43 AM - 10:50 AM
E2: PERCUTANEOUS HAMSTRING LENGTHENING SURGERY IS AS EFFECTIVE AS OPEN LENGTHENING IN CHILDREN WITH CEREBRAL PALSY
Robert Kay, MD; Susan Rethlefsen, DPT; Alexander Nazareth, BA; Ted Sousa, MD; Nicole Mueske, MS; Tishya Wren, PhD

10:51 AM - 10:58 AM
E3: SINGLE EVENT MULTILEVEL SURGERY IN CHILDREN WITH BILATERAL SPASTIC CEREBRAL PALSY: A MULTICENTRE, LONG-TERM, FOLLOW-UP STUDY.
Thomas Dreher, PhD, MD; Martin Svehlik, PhD, MD; Leonhard Doderlein, MD; Sebastian Wolf, PhD; Gerhardt Steinwender, MD; Morgan Sangeux, PhD; H Kerr Graham, MD

10:59 AM - 11:06 AM
E4: LONG TERM OUTCOME OF KNEE HYPEREXTENSION IN CHILDREN WITH CEREBRAL PALSY
Oussama Abousamra, MD; Chris Church, MPT; Nancy Lennon, MS, PT; Daveda Taylor, PT; Maria del Pilar Duque Orozco, MD; John Henley, PhD; Justin Connor, MD; Julieanne P. Sees, DO; Freeman Miller, MD

11:07 AM - 11:14 AM
E5: DEVELOPMENT OF STIFF KNEE AFTER CROUCH GAIT TREATMENT IN CEREBRAL PALSY - THE ROLE OF PATELLAR TENDON SHORTENING.
Mauro C. Morais Filho, MD, MSc; Francesco C. Blumetti, MD, MSc; Cátia Kawamura, PT; Jaqueline Leite, MD; Daniella Neves, MD; Marcelo Fujino, MD; José Augusto Lopes, MSc

11:15 AM – 11:30 AM QUESTIONS AND ANSWERS

11:31 AM - 11:38 AM
E6: KNEE RECURVATUM IN PATIENTS WITH SPASTIC DIPLEGIC CEREBRAL PALSY
Jeremy Bauer, MD; Patrick Do, BS; Jing Feng, PhD; Rosemary Pierce, PT; Michael Aiona, MD
E7: PERSISTENT TOE WALKING: A NEUROLOGICAL PERSPECTIVE
Katherine B. Haynes, MPAS, PA-C; Sara Baldwin, BS; Jonathan M. VanPelt, BS, MHA; Chan-Hee Jo, PhD; Robert L. Wimberly, BA, MD; Mauricio R. Delgado, MD

E8: FUNCTIONAL STATUS AND AMOUNT OF HIP DISPLACEMENT INDEPENDENTLY AFFECT ACETABULAR DYSPLASIA IN PATIENTS WITH CEREBRAL PALSY
Jaeyoung Kim, MD; Myoung Ki Chung, MD; Seung Jun Moon, MD; Byung Chae Cho, MD; Ki Hyuk Sung, MD; Kyoung Min Lee, PhD, MD; Moon Seok Park, MD

E9: THREE-DIMENSIONAL RECONSTRUCTION AND FEMORAL ANTEVERSION MEASUREMENT OF UNCALIBRATED BIPLANAR RADIOGRAPHIC IMAGES IN PATIENTS WITH CEREBRAL PALSY
Seung Jun Moon, MD; Ki beom Youn, BS; In Hyeok Lee, MD; Jaeyoung Kim, MD; Myoung Ki Chung, MD; Byung Chae Cho, MD; Ki Hyuk Sung, MD; Kyoung Min Lee, PhD, MD; Moon Seok Park, MD; Jehee Lee, PhD

E10: OSTEOPOROTIC FEATURES OF THE HIP JOINT IN PATIENTS WITH CEREBRAL PALSY
Jaeyoung Kim, MD; Sang Young Moon, MD; Seung Jun Moon, MD; Byung Chae Cho, MD; Myoung Ki Chung, MD; Ki Hyuk Sung, MD; Kyoung Min Lee, PhD, MD; Moon Seok Park, MD
Free Papers F: Interventions and Participation

10:35 AM - 10:42 AM
F1: ONGOING IMPROVEMENTS IN TRUNK CONTROL IN CHILDREN WITH SPINAL CORD INJURY RECEIVING ACTIVITY-BASED LOCOMOTOR TRAINING
MacKenzie T. Roberts, DPT; Shelley A. Trimble, PT; Laura C. Argetsinger, DPT; Beatrice Ugiliweneza, PhD, MS; Andrea L. Behrman, PhD, PT

10:43 AM - 10:50 AM
F2: A COHORT COMPARISON STUDY OF OUTCOMES OF PRENATAL SURGERY (PRENS) VERSUS POSTNATAL SURGERY (PONS) FOR CLOSURE OF MENINGOMYEOLOCELE (MM), USING PATIENTS IN THE NATIONAL SPINA BIFIDA PATIENT REGISTRY (NSBPR)
Gordon Worley, MD; Rachel Greenberg, MD; Tiebin Liu, MSPH; John S. Wiener, MD; Brad Dicianno, MD, MS; Elisabeth Ward, MPH BSN; Judy Thibadeau, RN MN

10:51 AM - 10:58 AM
F3: QUALITY OF LIFE CHANGE IN CHILDREN WITH PHYSICAL DISABILITIES AFTER PARTICIPATION IN AN ADAPTIVE SKI AND SNOWBOARD PROGRAM
Frank M. Chang, MD; Zhaoxing pan, PhD; Patrick Autruong, BA; Julie Ma, BA; Katherine Davies, PA-C

10:59 AM - 11:06 AM
F4: STRENGTH IN NUMBERS: GROUP FITNESS PROGRAMMING FOR CHILDREN WITH CEREBRAL PALSY
Jennifer Schmit, PhD, DPT; Jennifer Miros, MPT

11:07 AM - 11:14 AM
F5: DIFFERENTIAL INFLUENCE OF UNILATERAL AND BILATERAL MOTOR IMPAIRMENT ON HABITUAL WALKING ACTIVITY IN CEREBRAL PALSY
Kristie Bjornson, PhD, PT, PCS; Chuan Zhou, PhD

11:15 AM – 11:30 AM QUESTIONS AND ANSWERS

11:31 AM - 11:38 AM
F6: ROBOTIC REHABILITATION IMPROVES SENSORIMOTOR FUNCTIONS OF LOWER LIMB IMPAIRMENTS FOR CHILDREN WITH CEREBRAL PALSY
Yunju Lee, PhD; Kai Chen, PhD; Yupeng Ren, MS; Deborah Gaebler-Spira, MD; Li-Qun Zhang, PhD
11:39 AM - 11:46 AM
F7: IMPROVING THE PARTICIPATION OF YOUTH WITH PHYSICAL DISABILITIES: THE EFFECTIVENESS OF THE PATHWAYS AND RESOURCES FOR ENGAGEMENT AND PARTICIPATION (PREP) INTERVENTION
Dana Anaby, PhD; Mary Law, PhD; Annette Majnemer, PhD; Debbie Feldman, PhD

11:47 AM - 11:54 AM
F8: EFFECTS OF MULTIPLE 1-MONTH TREATMENTS OF CONSTRAINT-INDUCED MOVEMENT THERAPY (CIMT)
Stephanie DeLuca, Ph.D.; Sharon Ramey, Ph.D.; Mary Rebekah Trucks, MS, OTR/L; Dorian Wallace, MS, OTR/L

11:55 AM - 12:02 PM
F9: CAN MOTOR SKILL LEARNING RESTORE IMPAIRED CORTICOSPINAL TRACT FIBERS IN CHILDREN WITH UNILATERAL CEREBRAL PALSY? A DTI STUDY
Yannick Bleyenheuft, PhD PT; Laurence Dricot, Ir, PhD; Daniela Ebner-Karestinos, PT; Julie Paradis, OT; Rodrigo Araneda, PT, PhD; Anne Renders, MD; Jean-Louis Thonnard, PhD; Andrew Gordon, PhD; Kathleen Friel, PhD

12:03 PM - 12:10 PM
F10: A RANDOMIZED TRIAL OF AUTOLOGOUS UMBILICAL CORD BLOOD INFUSION IN CHILDREN WITH CEREBRAL PALSY
Jessica Sun, MD; Mohamad Mikati, MD; Gordon Worley, MD; Laura Case, DPT, MS, PCS, C/NDT; Kathryn Gustafson, PhD; Colleen McLaughlin, DNP, CPNP; Ryan Simmons, MB; Allen Song, PhD; Jesse Troy, PhD; Joanne Kurtzberg, MD
Free Papers G: Global Epidemiology

10:35 AM - 10:42 AM
G1: BANGLADESH CEREBRAL PALSY REGISTER (BCPR): DEVELOPING A CEREBRAL PALSY (CP) REGISTER AND SURVEILLANCE OF CHILDREN WITH CP IN A TYPICAL LOW- AND MIDDLE-INCOME COUNTRY
Gulam Khandaker, PhD, MBBS, MPH; Hayley Smithers-Sheedy, MPH; Silmi Shahama, MBBS; ABM Ashraful Huda, MBBS; Iona Novak, PhD; Robert Booy, FRACP, MBBS, MD, MSc; Cheryl Jones, PhD, FRACP, MBBS; Nadia Badawi, PhD, FRACP, MBBS, MD; Mohammad Muhi, PhD, MBBS, MSc

10:43 AM - 10:50 AM
G2: CEREBRAL PALSY IN NIGERIAN CHILDREN: PROFILE AND IMPACT ON EDUCATIONAL OPPORTUNITIES
IkeOluwa Lagunju, MBBS; Alexander Oyinlade, MBBS; Abimbola Famosaya, MBBS

10:51 AM - 10:58 AM
G3: TRENDS IN PREVALENCE AND CHARACTERISTICS OF CEREBRAL PALSY AMONG ICELANDIC CHILDREN BORN 1991 TO 2010
Solveig Sigurdardottir, PhD, MD; Thordur Thorkelsson, MS, MD; Torstein Vik, PhD, MD

10:59 AM - 11:06 AM
G4: TRENDS AND DISPARITIES IN CEREBRAL PALSY IN PERIVIABLE BIRTHS IN SOUTH CAROLINA FROM 1996 TO 2009
Qing Li, PhD; Dorothea Jenkins, MD; Melbourne Hovell, PhD, MPH; Rita M. Ryan, MD

11:07 AM - 11:14 AM
G5: DESCRIPTIVE ANALYSIS OF A TOTAL POPULATION OF CHILDREN WITH DYSKINETIC CEREBRAL PALSY IN NORWAY COMPARED TO CHILDREN WITH SPASTIC CEREBRAL PALSY
Gerd Myklebust, PT; Reidun B. Jahnsen, PT, PhD; Sonja Elkjær, OTR/L, MA

11:15 AM – 11:30 AM QUESTIONS AND ANSWERS

11:31 AM - 11:38 AM
G6: THE SPECTRUM OF MOVEMENT DISORDERS IN A CEREBRAL PALSY POPULATION
James Rice, MBBS; Felicity Baker, PT; Remo N. Russo, PhD, MBBS

11:39 AM - 11:46 AM
G7: CHANGES IN RANGE OF MOTION IN UPPER EXTREMITIES RELATED TO AGE AND TO MANUAL ABILITY CLASSIFICATION SYSTEM - RESULTS FROM THE CEREBRAL PALSY FOLLOW-UP PROGRAM IN NORWAY.
Sonja Elkjær, OTR/L, MA; Gerd Myklebust, PT; Reidun B. Jahnsen, PT, PhD
11:47 AM - 11:54 AM
G8: PARTIAL RESULTS OF EPIDEMIOLOGICAL SURVEY OF CHILDREN WITH CEREBRAL PALSY AGED 1-6 YEARS OLD IN CHINA
Xiaojie Li, MD; Hongbin Qiu, MD; Zhimei Jiang, MS, MD; Wei Pang, MD; Liling Zhu, MS; Zhihai Lv, MD; Liping Wang, MD; Qifeng Sun, MD; Ying Sun, MD; Lanmin Guo, MD; Xingzhou Li, MS; Songpo Yao, MS; Jin Guo, MD

11:55 AM - 12:02 PM
G9: PROMPTLY ASSESS TRENDS IN BIRTH PREVALENCE OF CEREBRAL PALSY UP TO AGE 4 IN SOUTH CAROLINA USING ADMINISTRATIVE SOURCES INCLUDING MEDICAID DATA, 1996 TO 2009
Qing Li, PhD; Stephen Kinsman, MD; Rita M. Ryan, MD; Dorothea Jenkins, MD; Melbourne Hovell, PhD, MPH

12:03 PM - 12:10 PM
G10: TIME TRENDS IN CLINICAL CHARACTERISTICS AND DIAGNOSTIC MEASURES OF CHILDREN WITH CP IN NORWAY
Sandra J. Hollung, MS; Torstein Vik, PhD, MD; Guro L. Andersen, PhD, MD
Free Papers H: Knowledge Translation & Society

10:35 AM - 10:42 AM
Steven M. Day, PhD; Robert J. Reynolds, PhD, MPH; Scott J. Kush, MD, JD, MPH

10:43 AM - 10:50 AM
H2: A NATIONAL ENVIRONMENTAL SCAN OF CURRENT REFERRAL PRACTICES FOR DIAGNOSIS AND REHABILITATION SERVICES FOR CHILDREN SUSPECTED OF HAVING CEREBRAL PALSY
Zachary Boychuck, OT, MSc; John C. Andersen, FRCP, MD; Darcy Fehlings, FRCP, MD; Adam Kirton, MD, MSc; Maryam Oskoui, MD, MSc; Michael Shevell, MD; Annette Majnemer, PhD

10:51 AM - 10:58 AM
H3: EDUCATIONAL AND REHABILITATION SERVICE UTILIZATION IN ADOLESCENTS BORN AT HIGH RISK FOR DISABILITY
Annette Majnemer, PhD; Noemi Dahan-Oliel, PhD, MSc, OT; Charles V. Rohlicek, PhD, MD; Patricia Riley, MD; Barbara Mazer, PhD; Désirée Maltais, PhD, PT; Norbert Schmitz, PhD

10:59 AM - 11:06 AM
H4: CHILDREN WITH AUTISM SPECTRUM DISORDERS EXPERIENCE DISPARITIES IN EXPOSURE TO FAMILY AND NEIGHBORHOOD ADVERSITY.
Michael E. Msall, MD; Kristin L. Berg, PhD; Cheng-Shi Shiu, Ph.D.; Kruti Acharya, M.D.

11:07 AM - 11:14 AM
H5: POLICY COURT: WHERE PARTICIPATION, POLICY AND RESEARCH MEET AT THE REHABILITATION RESEARCH LIVING LAB (MALL AS A LIVING LAB)
Keiko Shikako-Thomas, PhD, OT; Annahita M. Ehsan, MSc; Daniel Weinstock, PhD; Tiitu Poldma, PhD

11:15 AM – 11:30 AM QUESTIONS AND ANSWERS

11:31 AM - 11:38 AM
H6: PARENT PERCEPTIONS OF ROUTINE CLINICAL ASSESSMENT FOR CHILDREN WITH CEREBRAL PALSY
Christine Imms, PhD, MSc, OT; Claire Kerr, BS, PhD; Kerry Evans, BS; Sarah Elizabeth. Foley, PT; Nora Shields, PhD; Dinah S. Reddihough, FRACP, MD
11:39 AM - 11:46 AM
H7: SUPPORTING THE MENTAL HEALTH OF MOTHERS OF CHILDREN WITH A DISABILITY: WHAT DO MOTHERS NEED?
Kim-Michelle Gilson, MSc; Elise Davis, PhD; Shae Johnson, BS; Joan Gains, BA; Susan Brunton, BS; Dinah S. Reddiough, FRACP, MD; Katrina Williams, PhD, MBBS, MSc

11:47 AM - 11:54 AM
H8: EFFICACY OF A MULTI-STRATEGY KNOWLEDGE TRANSLATION APPROACH IN CHANGING ALLIED HEALTH PRACTITIONER KNOWLEDGE AND USE OF EVIDENCE-BASED ASSESSMENTS AND INTERVENTIONS FOR CHILDREN WITH CEREBRAL PALSY
Christine Imms, PhD, MSc, OT; Claire Kerr, BS, PhD; Iona Novak, PhD; Nora Shields, PhD; Steven J. Bowe, PhD; Sarah Elizabeth. Foley, PT; Kerry Evans, BS; Dinah S. Reddiough, FRACP, MD

11:55 AM - 12:02 PM
H9: IMPLEMENTING CHANGE IN ALLIED HEALTH ASSESSMENT PRACTICES FOR CHILDREN WITH CEREBRAL PALSY: SUPPORTS AND BARRIERS OVER TIME
Lyndsay Quarmby, PhD; Claire Kerr, BS, PhD; Nora Shields, PhD; Sarah Elizabeth. Foley, PT; Karen Roberts, OT; Christine Imms, PhD, MSc, OT

12:03 PM - 12:10 PM
H10: INTERRATER RELIABILITY AND CONVERGENT VALIDITY OF THE AMERICAN ACADEMY FOR CEREBRAL PALSY AND DEVELOPMENTAL MEDICINE METHODOLOGY FOR CONDUCTING SYSTEMATIC REVIEWS (SINGLE SUBJECT DESIGNS)
Lynne A. Romeiser Logan, PT, PhD; Lesley Wiart, PhD; Laura K. Vogtle, PhD, OT; Jamie L. Romeiser, MPH