Free Papers E-H

Free Papers E: Spasticity Management

10:35am – 10:42am
E1: SAFETY PROFILE OF ABOBOTULINUMTOXINA FOR LOWER LIMB SPASTICITY IN PRESCHOOL AGED CHILDREN (2-5 YEARS) COMPARED WITH OLDER CHILDREN: POOLED ANALYSIS OF CONTROLLED CLINICAL TRIALS
Ann Tilton, MD; Dennis Matthews, MD; Mark Gormley, MD; Daniel Snyder, PhD; Gustavo Suarez, MD; Agata Tofil-Kaluza, MD; Philippe Picaut, PharmD; Mauricio Delgado, MD

10:43am – 10:50am
E2: EFFICACY AND SAFETY OF ONABOTULINUMTOXINA FOR THE TREATMENT OF PEDIATRIC LOWER LIMB SPASTICITY: METHODS AND BASELINE DATA
Heakyung Kim, MD; Mark Gormley, MD; Eun Sook Park, MD, PhD; Marcin Bonikowski, MD, PhD; Ben Renfroe, MD; Chengcheng Liu, PhD; Rozalina Dimitrova, MD, MPH

10:51am – 10:58am
E3: EFFICACY AND SAFETY OF ABOBOTULINUMTOXINA IN CHILDREN WITH DYNAMIC EQUINUS FOOT DEFORMITY PREVIOUSLY TREATED WITH BOTULINUM TOXINS
Edward Dabrowski, MD; Marcin Bonikowski, MD, PhD; Mark Gormley, MD; Anne-Sophie Grandoulier, MSc; Philippe Picaut, PharmD; Daniel Snyder, PhD; Mauricio Delgado, MD

10:59am – 11:06am
E4: INFLUENCE OF BOTULINUM TOXIN INJECTIONS AND PHENOL NEUROLYTIC BLOCKS ON HIP DYSPLASIA IN CHILDREN WITH CEREBRAL PALSY
Jona Bakke; Mark Gormley, MD; Supreet Deshpande, MD; Mary Partington, BA; Ciara Hupp, BS; Emily Partington, OTD

11:07am – 11:14am
E5: TREATMENT WITH BOTULINUM TOXIN A IN CHILDREN WITH CEREBRAL PALSY IN SWEDEN
Maria Franzén; Ann Alriksson-Schmidt, PhD, MSPH; Gunnar Hägglund, MD, PhD

11:15am - 11:30am QUESTIONS AND ANSWERS

11:31am - 11:38am
E6: COMPARISON OF TWO DIFFERENT BOTULINUM TOXIN TYPE A INJECTION FOR THE TREATMENTS OF DYNAMIC EQUINUS FOOT DEFORMITY IN CHILDREN WITH CEREBRAL PALSY
Hyun Jung Chang, PhD; Jeong-Yi Kwon, MD, PhD; Bo-Young Hong, PhD.

11:39am - 11:46am
E7: TIME TO RETREATMENT AFTER ABOBOTULINUMTOXINA INJECTIONS IN CHILDREN WITH DYNAMIC EQUINUS FOOT DEFORMITY
Mauricio Delgado, MD; Ann Tilton, MD; Nigar Dursun, MD; Jorge Carranza-del Rio, MD; Resa Aydin, MD; Ece Unlu, MD; Belgin Erhan, MD; Maria Luisa Rodriguez, MD; Philippe Picaut, PharmD
11:47am - 11:54am
E8: BOTULINUM TOXIN-A INJECTIONS FOR SPASTIC EQUINUS IN AMBULANT CHILDREN WITH CEREBRAL PALSY: LONG-TERM FOLLOW-UP AND TIME TO SURGERY
Tandy Hastings-Isom, PhD; Morgan Sangeux, PhD; H Kerr Graham, MD, FRCS(Ed), FRACS

11:55am – 12:02 pm
E9: INTEGRATED MANAGEMENT WITH BRAIN STIMULATION AND HYBRID TRAINING ENHANCES FUNCTIONAL GAINS IN CHILDREN WITH UNILATERAL CEREBRAL PALSY TREATED BY BOTULINUM TOXIN-A
Nigar Dursun, MD; Cigdem Cekmece, PhD; Merve Akyuz, MD; Begum Capa Tayyare, PhD; Erbil Dursun, Professor

12:03pm - 12:10pm
E10: EFFECTIVENESS OF INTERMITTENT SERIAL CASTING ON SPASTIC WRIST FLEXION DEFORMITY IN CHILDREN WITH CEREBRAL PALSY TREATED BY BOTULINUM TOXIN-A
Nigar Dursun, MD; Melike Akarsu, BA; Marcin Bonikowski, MD, PhD; Weronika Pyrzanowska, PhD; Erbil Dursun, Professor

12:11pm - 12:30pm QUESTIONS AND ANSWERS

Free Papers F: Population Based, Mental Health & Adult Issues

10:35am – 10:42am
F1: THE CEREBRAL PALSY RESEARCH NETWORK: INITIAL DATA COLLECTION
Garey Noritz, MD; Donnie Clark, BA; Natalie Miller, PT, DPT; Paul Gross, BA; Jacob Kean, PhD; Linda Lowes, PhD PT

10:43am – 10:50am
F2: USING MACHINE LEARNING TO IDENTIFY DIAGNOSTIC PROFILES FOR CHILDREN WITH CEREBRAL PALSY AND OTHER DEVELOPMENTAL DISABILITIES IN THE 2011-2012 NATIONAL SURVEY OF CHILDREN’S HEALTH
Robert Reynolds, MPH, PhD; Scott Kush, MD JD MPH; Steven Day, MS, PhD

10:51am – 10:58am
F3: FACTORS RELATED TO SYMPTOMS OF SOCIAL ANXIETY IN YOUTH WITH CEREBRAL PALSY
Janette McDougall, PhD; Virginia Wright, BSc(PT), MSc, PhD

10:59am – 11:06am
F4: MENTAL HEALTH IN CEREBRAL PALSY – ARE WE DOING ALL WE CAN TO DIAGNOSE AND TREAT PSYCHIATRIC CONDITIONS?
Daniel Linhares, MD; Chien Wai Hung, MEng; Hiroko Matsumoto, MA, PhDc; June Ha; Fay Callejo, MPH; Heakyung Kim, MD; Joshua Hyman, MD; David Roye, MD; Joseph Dutkowsky, MD
11:07am – 11:14am
F5: SLEEP DISORDERS IN CHILDREN WITH A MOTOR DISABILITY: A COMPARATIVE
POPULATION-BASED STUDY
David Jacquier, MD; Christopher Newman, MD

11:15am - 11:30am QUESTIONS AND ANSWERS

11:31am - 11:38am
F6: TRENDS IN CARDIOMETABOLIC DISEASE RISK FACTORS AMONG ADULTS WITH
CEREBRAL PALSY IN THE UNITED STATES
Mark Peterson, PhD; Neil Kamdar, M.S.; Edward Hurvitz, MD

11:39am - 11:46am
F7: THE RELATIONSHIP BETWEEN COMMON METABOLIC MARKERS AND FUNCTIONAL LEVEL
IN ADULTS WITH CEREBRAL PALSY
Patricia Heyn, PhD, FGSA, FACRM; Alex Tagawa, BS; James Carollo, PhD, PE

11:47am - 11:54am
F8: EVIDENCE OF NEUROPHYSIOLOGICAL CONSEQUENCES OF PREMATURE BIRTH IN EARLY
ADULTHOOD: A LESSON THAT INTERVENTIONS IN EARLY CHILDHOOD TO REWIRE THE
BRAIN MIGHT BE BENEFICIAL IN THE LONG RUN
Véronique Flamand, PhD, OT; Annabelle Denis, BPsY; Fannie Allen Demers, MPht; Monica Lavoie, MSc;
Réjean Tessier, PhD; Cyril Schneider, PhD

11:55am – 12:02 pm
F9: COMPARISON OF YOUNG ADULTS WITH CEREBRAL PALSY IN NORWAY WITH AND
WITHOUT EPILEPSY
Sandra Hollung, MSc; Torstein Vik, MD, PhD; Guro Andersen, MD, PhD

12:03pm - 12:10pm
F10: CEREBRAL PALSY DOESN’T END WITH CHILDHOOD: INCIDENCE AND TYPES OF
ORTHOPEDIC SURGERIES FOR ADULT PATIENTS
Chun Wai Hung, MEng; Hiroko Matsumoto, MA, PhDc; Fay Callejo, MPH; Jodie Shea, BS; Brian Snyder,
MD, PhD; Joshua Hyman, MD; Joseph Dutkowsky, MD; David Roye, MD

12:11pm - 12:30pm QUESTIONS AND ANSWERS

Free Papers G: Cost/Disparity Referral Patterns

10:35am – 10:42am
G1: HEALTH INEQUITY IN CHILDREN WITH CEREBRAL PALSY (CP) - COMPARING
BANGLADESH CP REGISTER (BCPR) DATA WITH NATIONAL POPULATION AND HOUSING
CENSUS
Tasneem Karim, MBBS, MPH; Mohammad Muhit, MBBS, Msc (Clinical Ophthalmology), MSc
(Community Ophthalmology), PhD; Hayley Smithers-Sheedy, PhD; Cheryl Jones, PhD, FRACP; Nadia
Badawi, PhD, FRACP; Gulam Khandaker, PhD, FAFPHM
G2: THE BURDEN OF CEREBRAL PALSY (CP) AMONG CHILDREN IN RURAL BANGLADESH – RESULTS FROM THE BANGLADESH CP REGISTER (BCPR) STUDY
Gulam Khandaker, PhD, FAFPHM; Mohammad Muhit, MBBS, Msc (Clinical Ophthalmology), MSc (Community Ophthalmology), PhD; Hayley Smithers-Sheedy, PhD; Tasneem Karim, MBBS, MPH; Iona Novak, B App Sc (Occupational Therapy), MSc (Hons), PhD; Robert Booy, MD, FRACP; Cheryl Jones, PhD, FRACP; Nadia Badawi, PhD, FRACP

G3: COSTS FOR THE PEDIATRIC CEREBRAL PALSY POPULATION ENROLLED IN MANAGED MEDICAID IN THE UNITED STATES
Savreet Bains; Sonia Pulgar; Tia Sawhney, DrPH; Bruce Pyenson; Christine Ferro; Judy Gooch, MD; Garey Noritz, MD; Edward Wright, MD; Henry Chambers, MD

G4: A PRELIMINARY EXAMINATION OF RACIAL DISPARITIES IN CHILDREN WITH CEREBRAL PALSY: AN INTERGENE CORRELATIONAL ANALYSIS
Jaime Slaughter-Acey, PhD; Robert Podolsky, PhD; Steven Korzeniewski, PhD; Sok Kean Khoo, PhD; Madeleine Lenski, MSPH; Robert Sokol, MD; Robert Palisano, PT, ScD, FAPTA; Mary Jo Hidecker, PhD, CCC-A/SLP; Nigel Paneth, MD MPH

G5: A RANDOMISED CONTROLLED TRIAL OF AN EARLY PREVENTATIVE CARE PROGRAM FOR INFANTS BORN VERY PRETERM: THE ROLE OF SOCIAL RISK ON COGNITIVE OUTCOMES THROUGHOUT EARLY CHILDHOOD
Alicia Spittle, PhD, Mphysio, Bphysio; Lex Doyle, MD, BS, MSc, FRACP; Karl Treyvaud, DPsych; Peter Anderson, BA, PhD

G6: ASSOCIATION BETWEEN TIME OF PERMANENCE AT EARLY EDUCATION PROGRAM (ESTANCIAS INFANTILES DIF/SEDESOL) AND DEVELOPMENTAL LEVEL FOR CHILDREN IN SITUATION OF POVERTY
Antonio Rizzoli Cordoba, PhD; Jorge Vasquez Rios, MD; Hortensia Reyes Morales, PhD; Miguel Angel Villasis Keever, PhD

G7: EXAMINING REFERRAL PATTERNS AND DIAGNOSTIC RATES IN THE BRITISH COLUMBIA AUTISM ASSESSMENT NETWORK
Angie Ip, MHSc, MDCM; Whitney Weikum, PhD; Nancy Lanphear, MD

G8: EMERGENCY SERVICE USE AMONG CHILDREN WITH CEREBRAL PALSY
Elaine Meehan, BSc; Katrina Williams, PhD, MD; Susan Reid, PhD; Gary Freed, MD, MPH; Franz Babl, MD; Jill Sewell, MBBS; Suzanna Vidmar, BSc; Susan Donath, MA; Dinah Reddihough, MBBS
11:55am – 12:02 pm
G9: ERRORS IN BODY MASS INDEX ESTIMATES OF FAT MASS INDEX AND FAT-FREE MASS INDEX IN CHILDREN WITH CEREBRAL PALSY AND PROPOSED CORRECTION MODELS
Daniel Whitney, BS; Christopher Modlesky, PhD; Freeman Miller, MD

12:03pm - 12:10pm
G10: COURSE OF EMPLOYMENT IN ADULTS WITH CEREBRAL PALSY OVER A 14-YEAR PERIOD
Joyce Benner, MSc; Sander Hilberink, PhD; Thessa Veenis, MD; Wilma van der Slot, MD, PhD; Marij Roebroeck, PhD

12:11pm - 12:30pm QUESTIONS AND ANSWERS

Free Papers H: Muscle Architecture & Strength

10:35am – 10:42am
H1: GAIT ANALYSIS PARAMETERS AND PHYSICAL ACTIVITY MEASURES PRE AND POST SURGERY IN YOUTH WITH CP
Nancy Lennon, MS, PT; Kristen Nicholson, PhD; Chris Church, MPT; Julieanne Sees, DO, FAOAO; Freeman Miller, MD

10:43am – 10:50am
H2: THE EFFECT OF PROGRESSIVE MUSCLE STRENGTH TRAINING AND STRETCHING OF THE HAMSTRINGS MUSCLE IN AMBULANT CHILDREN WITH CEREBRAL PALSY – A RANDOMIZED CONTROLLED TRIAL
Merete Fosdahl, MSc; Inger Holm, PhD; Reidun Jahnsen, PT PhD

10:51am – 10:58am
H3: CAMP LEG POWER: INTENSIVE TRAINING OF LOWER EXTREMITY MOTOR CONTROL FOR CHILDREN WITH SPASTIC CEREBRAL PALSY
Eileen Fowler, PhD, PT; Loretta Staudt, MS, PT; Marcia Greenberg, MS, PT, KEMG; Carolyn Kelley, DPT; Christy Skura, PT, DPT, PCS; Andy Vuong, B.S.

10:59am – 11:06am
H4: EFFECTIVENESS OF FUNCTIONAL POWER-TRAINING ON INDIVIDUAL GOALS AND PARENT-REPORTED OUTCOMES IN YOUNG CHILDREN WITH CEREBRAL PALSY: A DOUBLE-BASELINE CONTROLLED TRIAL
Liesbeth van Vulpen, PT, MSc; Sonja de Groot, PhD; Eugene Rameckers, PT, PhD; Jules Becher, PhD, MD; Annet Dallmeijer, PhD

11:07am – 11:14am
H5: IS PROGRESSIVE RESISTANCE TRAINING FEASIBLE AND SAFE FOR YOUNG PEOPLE WITH PRADER WILLI SYNDROME? A PHASE I RANDOMIZED CONTROLLED TRIAL
Nora Shields, PhD; Nicholas Taylor, PhD; Kim Bennell, PhD

11:15am - 11:30am QUESTIONS AND ANSWERS
11:31am - 11:38am
H6: BICYCLING IN CHILDREN WITH MOVEMENT-DISORDERS: POSTURAL CONTROL CHANGES
Jennifer Angeli, DPT, PhD; Ellen Foster, BS

11:39am - 11:46am
H7: MUSCLE WEAKNESS IMPACTS NEGATIVELY UPPER LIMB MOVEMENT PATTERNS IN CHILDREN WITH UNILATERAL CEREBRAL PALSY
Cristina Simon-Martinez, PT, MSc; Ellen Jaspers, PT, MSc, PhD; Lisa Mailleux, PT, MSc; Kaat Desloovere, PT, MSc, PhD; Els Ortibus, MD, PhD; Katrijn Klingels, PT, MSc, PhD; Hilde Feys, Full professor, PT, PhD

11:47am - 11:54am
H8: MUSCLE FIBER TYPE PROPORTIONS ARE NOT ALTERED IN INDEPENDENTLY AMBULATORY CHILDREN WITH CEREBRAL PALSY
Samuel Lapp; Andrew Zogby, BA; Henry Chambers, MD; Richard Lieber, PhD; Sudarshan Dayanidhi, PhD

11:55am – 12:02 pm
H9: QUANTITATIVE 3D ULTRASOUND OF MUSCLE IN CHILDREN WITH UNILATERAL CEREBRAL PALSY
Steven Obst, PhD, BPhty, BEx Sc, BMHS; Roslyn Boyd, PhD, MSc (PT), BAAppSc (PT), BSc (Anatomy), Pgrad (Biomech); Felicity Read, BPhty (Hon); Lee Barber, PhD, MPhty, BAAppSci (HMS)

12:03pm - 12:10pm
H10: AN INTENSIVE HYBRID TRAINING FOR CHILDREN WITH UNILATERAL CEREBRAL PALSY: A SIGNIFICANT NEW REALITY
Marilyn Cohen-Holzer, MSc; Gilad Sorek, MSc; Michal Katz-Leurer, Dr.

12:11pm - 12:30pm QUESTIONS AND ANSWERS