POSTER SESSION A (1)

Wednesday, May 18, 2016

9:30am-11:00am

Id: # 1 Alterations in amputee gait mechanics produced by varied pylon stiffness and damping. Stephen Piazza

Id: # 3

Are there functional changes in gait while using a functional electrical stimulation device? A retrospective review. Lisa Jameson Roy Davis Linda Wack David Westberry

Id: # 5

Case Study: Comparison of Knee Kinematics During Independent Walking Using Non-standard Ankle-foot Orthotics Versus Barefoot Walking..

NANCY SCULLION HALUK ALTIOK

Id: # 7

Assessing the Utility of Pelvic Accelerometry Tracking for the Clinical Evaluation of Lower Limb Amputee Walking Performance.. Gerasimos Bastas, Tracey Hong

Id: # 9

Reduction Of Metabolic Energy Consumption During Walking By Wearing Hip Assist Robot In Elderly Adults. Hwang-jae Lee

ld: # 11

TEMPORAL-SPATIAL PARAMETERS BEFORE AND AFTER A DELAYED TRANSTIBIAL AMPUTATION. BRITTNEY MAZZONE ADAM YODER MARILYNN WYATT

Id: # 13

Glenohumeral Joint Dynamics Of Anterior And Posterior Walker Mobility During Functional Activities In Children With Cerebral Palsy.

CHRIS BURCKARDT

ld: # 15

Adjusting Afo Stiffness To Improve Gait For Individuals Post Stroke: Current Clinical Prescription Versus Short Term Adaptation To A Stiffness-adjustable Afo. MICHAEL ORENDURFF

ld: # 17

Age at Injury Influences Gait Pattern in Children with Traumatic Brain Injury. Patrick Autruong Rachel Loecher Frank Chang Claire Palmer James Carollo

ld: # 19

The effect of light touch on balance control during over ground walking in healthy older adults. Aaron Awdhan Joel Lanovaz Catherine Arnold Joyce Fung Alison Oates

ld: # 21

The Effect Of Walking Speed On Gait Of Bilateral Spastic Cerebral Palsy Children Who Walk In Crouch Gait . Yosra Cherni Audrey Parent Laurent Ballaz Annie Pouliot Mickael Begon

Id: # 23

Predicting Leg Length Discrepancy in Children with Spastic Hemiplegic Cerebral Palsy Using the Multiplier Method. Jason Rhodes Michelle Dudevoir Breanna Pritchard Allison Frickman

ld: # 25

Cardinal Characteristics Associated With Gait And Functional Outcomes Following Surgery In Children With Cerebral Palsy.

JENNY ANGELI JASON LONG JAMES MCCARTHY

Id: # 27

Gait And Motor Function Changes Following Hemispherectomy In Children With Cerebral Palsy: A Case Series. BRUCE MACWILLIAMS AMY SHUCKRA ALAN STOTTS JACQUES D'ASTOUS

Id: # 29

Relationship Among Indices of Kinematic Deviation and Function in Children with Cerebral Palsy. Jon Davids

Id: # 31

RELIABILITY AND VALIDITY OF EDINBURGH VISUAL GAIT SCORE AS AN EVALUATION TOOL FOR CHILDREN WITH CEREBRAL PALSY. CHRIS CHURCH MARIA DEL PILAR DUQUE OROZCO NANCY LENNON OUSSAMA ABOUSAMRA JUSTIN CONNOR JULIE SEES JOHN HENLEY FREEMAN MILLER

Id: # 33

KNEE HYPEREXTENSION IN CHILDREN WITH CEREBRAL PALSY: OUTCOMES OVER A MINIMUM OF FIVE YEAR FOLLOW UP. CHRIS CHURCH OUSSAMA ABOUSAMRA NANCY LENNON DAVEDA TAYLOR MARIA DEL PILAR DUQUE OROZCO JOHN HENLEY JUSTIN CONNOR JULIE SEES FREEMAN MILLER

Id: # 35

Short-term And Long-term Outcomes For Rectus Femoris Transfers In Ambulatory Patients With Cerebral Palsy. CHRISTINA BICKLEY DOUGLAS BARNES JUDI LINTON NANCY SCARBOROUGH KATY MITCHELL ALEXIS ORTIZ

Id: # 37

THE EFFECT OF SURGICAL LENGTHENING ON COMPENSATORY GAIT STRATEGIES IN CHILDREN WITH LEG LENGTH DISCREPANCY. SAHAR HASSANI

Id: # 39

Assessing The Relationship Of Harris Hip Score To Subjectively And Objectively Meausured Physical Activity. WILSHAW STEVENS JR KIRSTEN TULCHIN-FRANCIS ADRIANA DELATOCHA DAVID PODESZWA

ld: # 41

Longitudinal Gait And Functional Outcomes In Adolescents With Symptomatic Femoroacetabular Impingement. ANTHONY ANDERSON KIRSTEN TULCHIN-FRANCIS WILSHAW STEVENS ADRIANA DELAPOCHA DAVID PODESZWA

Id: # 43

Plantar Pressure Distribution During Running And Walking In Children. ANA DE DAVID

ld: # 45

Objective Documentation Of Gait Decline Over Time In A Child With Charcot-marie-tooth: A Case Study. Sylvia Ounpuu Kristan Pierz Kelly Pogemiller Katharine Bell Erin Garibay Gyula Acsadi

ld: # 47

Test-retest Reliability Of Gait Tests In A Danish Rett Syndrome Population. Henrik Koblauch Bente Andersen Michelle Stahlhut Kasper Hansen Tina Pasgaard Niki Byrgesen Casper Palmvig

Id: # 49

Impact of Gait Analysis Data on Surgical Recommendations in Spina Bifida: A Pilot Multicenter Study. Nicole Mueske Deirdre Ryan Jeffrey Thomson Bitte Healy Sylvia Ounpuu Alexander Nazareth Tishya Wren

ld: # 53

WALKING IMPROVEMENT IN A CHILD WITH GROSS MOTOR DEVELOPMENTAL DELAY AFTER SEVEN WEEKS OF HIPPOTHERAPY. ROGER JAMES HEIDI BRADY DOUG DENDY TAMMY CAMP DANIEL JENSEN HYUNG SUK YANG LESLIE THOMPSON CYNTHIA TIONGCO TERRY MCIENDON RICHARD STEVENS

ld: # 55

Improving Gait Outcomes Through Manual Extremity Manipulation. BARRI SCHNALL

ld: # 57

KEEP IN STEP: A DEMONSTRATION ON THE USE OF VIRTUAL REALITY AVATARS FOR RE-TRAINING GAIT. MARK ELLIOTT OMAR KHAN IMRAN AHMED MUSA RAHHAL THEODOROS N. ARVANITIS

Id: # 59

Altered Sagittal- And Frontal-plane Kinematics Following High Intensity Stepping Training Vs Conventional Interventions In Subacute Stroke.

GORDHAN B MAHTANI T. GEORGE HORNBY

ld: # 61

Recovery to Baseline Following Single Event Multi-level Lower Extremity Surgery: A Clinical Case Study. Ann Flanagan Haluk Altiok Nancy Scullion Mary Peer Sahar Hassani

Id: # 63

BRIDGING RESEARCH AND CLINICAL PRACTICE: IMPLEMENTING FEASIBLE GAIT-INTENSITY TRAINING IN A GROUP FORMAT. LAURA LENHART AMY HUCKSTEP

Id: # 65

PEDIATRIC WALKING VS. TRAINING ON PROTOTYPE MOTOR-ASSISTED ELLIPTICAL: KINEMATIC AND Emg Comparisons at Self-selected Fast Speeds.

THAD BUSTER JUDITH M. BURNFIELD SONYA L. IRONS CARL A. NELSON LINDSEY H. TREJO TODD LEUTZINGER

Id: # 67

PRELIMINARY EFFICACY OF A SUPERIOR METHOD OF BIOFEEDBACK TO IMPROVE LIMB LOADING SYMMETRY DURING DECLINE WALKING FOLLOWING TOTAL KNEE ARTHROPLASTY.

JESSE CHRISTENSEN PAUL LASTAYO RYAN MIZNER ROBIN MARCUS CHRIS PELT K BO FOREMAN

Id: # 69

Assessment of Manual Wheelchair Propulsion with Intensive, Routine Therapy in Children with Orthopaedic Disabilities. Puneet Rana Jacob Rammer Sergey Tarima Roger Daley Gerald Harris Christy Osborn

Id: # 73

PRE-OPERATIVE PHYSICAL ACTIVITY IN YOUTH WITH CEREBRAL PALSY. KRISTEN NICHOLSON

Id: # 75

Application Of A Validated, Low-cost Motion Analysis System During An Intensive Community Based, Point-of-care Rehabilitation Program.

MEGHAN TEICH JACOB RAMMER REBECCA BOERIGTER CHRISTY OSBORN GERALD HARRIS

Id: # 77

Profile Of Individuals Associated With The National Association Of Riding Therapy. Jéssica Maíssa Gonçalves de Souza Marianne Lucena da Silva Andrea Gomes Moraes Ana de David Sarah Brandão Pinheiro

Id: # 81

QUANTITATIVE UPPER EXTREMITY ASSESSMENT IN A PEDIATRIC POPULATION WITH ORTHOPAEDIC AND NEUROLOGICAL IMPAIRMENT FOLLOWING INTENSIVE THERAPY: A PROSPECTIVE STUDY. RAKEL ZARB JACOB RAMMER CHRISTY OSBORN ROGER DALEY SERGEY TARIMA GERALD HARRIS

Id: # 83

EFFECT OF HAMSTRING LENGTHENING ON COMPRESSIVE LOADING DURING STRAIGHT LEG LIFTING. PABLO DOPICO MICHAEL BRAMAN AUDREY ZUCKER-IEVIN BROOKE SANFORD KUNAL SINGHAL WILLIAM MIHALKO

Id: # 85

Imu Placement In The Assessment Of The Upper Limb Using Smoothness Metrics. Yannick Quijano Jesús Enrique Chong Ivett Quiñones Aldo Alessi Paola Ulacia Paola Ulacia Ariadna León

Id: # 87

Evaluation Of Wheelchair Roller System For Therapeutic Use . TAMARA COHEN JACOB RAMMER GERALD HARRIS

Id: # 89

Effect Of Upper Limb Position On Postural Control Strategy During Turning. Toshihiro Miwa Shigehito Matsubara

Id: # 91

EFFECT OF HAMSTRING LENGTHENING ON PELVIC TILT AND LUMBAR LORDOSIS DURING NORMAL GAIT. MICHAEL BRAMAN WILLIAM MIHALKO PABLO DOPICO KUNAL SINGHAL BROOKE SANFORD PHYLLIS RICHEY AUDREY ZUCKER-IEVIN

POSTER SESSION B (2)

Thursday, May 19, 2016

9:30am-11:00am

Id: # 2 Differences in pre-slip stability during an unexpected slip perturbation with and without a backward loss of balance. Eric Pitman

Id: # 4

Impact Of Alternative Footwear On Lower Extremity Muscle Activity During Normal And Slippery Gait. Harish Chander John Garner Chip Wade Adam Knight

Id: # 6

Emg Patterns of Fall with Two-belt Type Treadmill. seongmi song Min Heo Tae Kyu Kwon

Id: # 8

DETERMINING THE BEST PREDICTOR OF FUTURE FALLS IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE. CASEY CANIGLIA JORDAN FREEMAN STEPHEN RENNARD JENNIFER YENTES

Id: # 10

An Age Comparison Of Gait Mechanics While Walking Down An Inclined Surface. KUNAL SINGHAL JEFFREY CASEBOLT

Id: # 12

Cell Phone Use Alters Obstacle Avoidance While Walking. JONATHAN DINGWELL PREETI CHOPRA DARLA CASTELLI

ld: # 14

Prediction of calcaneal bone competence from biomechanical accommodation variables measured during weighted walking. Roger James Lee Atkins Hyung Suk Yang Janet Dufek Barry Bates

Id: # 16

THE EFFECTS OF GENDER AND CORE STABILITY ON TEMPORAL-SPATIAL GAIT PARAMETERS DURING SHORT-TERM ADAPTATION TO 20% INCREASE IN BACKPACK LOAD CARRIAGE.

DAVID HUDSON

Id: # 18

Long Term Gait Velocity Monitoring Of Older Population Using Ultrasonic Technology: Prelimnary Results. YANG-CHIEH FU DUSTIN GRAVES JOHN GARNER JOHN ROGERS JEREMY WEBSTER JAMES SABATIER

Id: # 20

THE EFFECTS OF CERVICAL COLLAR ON GAIT WALKING STRATEGY IN A PATIENT WITH DROPPED-hEAD SYNDROME - A CASE STUDY. RAM HADDAS ISADOR H. LIEBERMAN

Id: # 22

Gait Characteristics In Bipolar Disorder: A Preliminary Study. Gu Eon Kang Brian Mickey Barry Krembs Gloria Harrington Melvin Mcinnis Melissa Gross

Id: # 24 Gait Asymmetry In Younger And Older Adult Runners. Reginaldo Fukuchi Reed Ferber

Id: # 26

KNEE KINETICS IN YOUNG WOMEN WITH KNEE HYPEREXTENSION. PATRICIA TERAN H. JOHN YACK

Id: # 28

The effect of prolonged walking exercise on knee joint contact force in patients with knee osteoarthritis. Jonathan Gustafson William Anderton Sara Piva Shawn Farrokhi

Id: # 30

Ground Reaction Forces In Healthy And Knee Osteoarthritis Populations. Morgan Sloan

Id: # 32

The Effect Of Trunk Movement In The Sagittal Plane On Dynamic Stability At Slow Walking Speed. Keita Honda

Id: # 34

FRONTAL AND TRANSVERSE FOOT ORIENTATIONS INFLUENCE LOWER EXTREMITY KINEMATICS WHILE STANDING. SYDNEY SCHMIDT LOREN CHIU

Id: # 36

Effects Of Weightbearing Condition And Knee Postion On Activation Of The Soleus And M-gastrocnemius Muscles During Maximal Voluntary Isometric Contraction (mvic). JANET ADAMS

Id: # 38

Lower Extremity Muscle Activity During Descent From Varying Step Heights. EMILY GERSTLE

Id: # 40

Lower Extremity Neuromuscular Factors Associated With Postural Stability In Older Adults. STEPHEN COBB KEVIN KEENAN BRITTANY HEINTZ CHI CHO

Id: # 42

Inter-segmental Foot Kinematics during Gait in Elderly Females with Symptomatic and Asymptomatic Hallux Valgus. EO Jin Kim

Id: # 44

Objective Assessment of Foot Radiographs: Technique and Normative Values for the Medial Column. Vedant Kulkarni Jill Friebele F. Kamalei Cruz Jennette Boakes Anita Bagley Jon Davids

Id: # 48

Comparison Of An Inertial Measurement System And A Motion Capture System In A Clinical Gait Analysis Laboratory.

ROBERT HULBERT

Id: # 50

DISCRIMINATING HEAD ON BODY MOTION USING BODY WORN SENSORS. SERENE PAUL RAYMOND WALTHER ETHAN BESERIS LELAND DIBBLE BO FOREMAN BLAKE ROWINSKI MARK LESTER

Id: # 54

Prediction Of Hip Joint Center Location Using Davis And Seidel Methods: Effect On Hip Moments During Gait Of Normal Healthy Adults. GORDON ALDERINK

Id: # 56

A Novel Data Analysis Approach For Identification Of Performance Differences During Locomotion. JANET DUFEK JOHN HARRY JEFFREY EGGLESTON BARRY BATES

Id: # 58

Relative Contributions of the Lower Limb to Peak Propulsive Force During Gait. David Stapleton Vassilios Vardaxis

Id: # 60

MUSCULOSKELETAL MODELING TO ESTIMATE MUSCLE TENDON LENGTHS IN CHILDREN WITH OSTEOGENESIS IMPERFECTA DURING NORMAL GAIT. CHRISTINA GARMAN ADAM GRAF JOE KRZAK ANGELA CAUDILL PETER SMITH GERALD HARRIS

Id: # 62

SIMPLIFIED UPPER EXTREMITY WHEELCHAIR MOBILITY MODEL. REBECCA BOERIGTER BROOKE SLAVENS LIANNA HAWI ALYSSA SCHNORENBERG GERALD HARRIS

Id: # 64

Sensitivity to Marker Placement in the Tsrhc Foot Model. Sophia Ulman

Id: # 66

Repeatability of a multi-segment foot model with a 15-marker set in healthy children. Eo Jin Kim

Id: # 68

Kinematic Comparison Of Three Plug-in Gait Variation Protocols In Gait Analysis. Swithin Razu Kaylin Bean Amirhossein Jahandar Trent Guess Id: # 70 Gender Differences Between Score And Regression Methods For Locating Hip Joint Center. SWITHIN RAZU

ld: # 71

EFFECT OF INTER--MANUAL TRAINING ON HAND SHAPING DURING GRASP IN CHILDREN WITH UNILATERAL SPASTIC CEREBRAL PALSY. AVIVA WOLFF HOWARD HILLSTROM ANDREW GORDON

Id: # 72

Computational Modeling of Brachial Plexus Deficiency . Aviva Wolff Andreas Kontaxis Scott Wolfe Katherine Xie

Id: # 74

ROLE OF MUSCLE CONTRACTIONS IN LOWER EXTREMITY COORDINATION VARIABILITY. BRADEN ROMER HOCHENG LU ZACH HARRIS JOSH TRAMMEL

ld: # 76

Three-dimensional Movement Strategies During Drop Jump And Single-leg Hop In Young Athletes With Recent Anterior Cruciate Ligament Reconstruction. NICOLE MUESKE CHRISTOPHER BROPHY J. LEE PACE MIA KATZEL TISHYA WREN

ld: # 78

Effect Of Acl Graft Type On Side-step Cutting In Young Athletes. NICOLE MUESKE RICARDO PADILLA J. LEE PACE MIA KATZEL BITTE HEALY TISHYA WREN

Id: # 82

Short And Mid-term Knee Kinematic And Kinetic Symmetry During Jumping And Hopping Tasks After Acl Repair: .

Sylvia Ounpuu Erin Garibay Nick Giampretruzzi Danielle Suprenant Matthew Milewski

Id: # 84

Gender Differences During The Modified Star Excursion Balance Test. BRAD WILLIS

Id: # 86

Unilateral Quadriceps Loading During Full Squat Exercise With And Without Single-foot Elevation In Acl Injured Persons.

LIANE JEAN LOREN CHIU

Id: # 88

Comparison Of Lower Extremity Kinematics And Kinetics And Center Of Mass-center Of Pressure Relationship Between A Classical Ballet And Jazz Pirouette: A Case Report. GORDON ALDERINK

Id: # 90

Comparison Of Lumbopelvic Rhythm Between With And Without Low Back Pain Among Adolescent Soccer Players During Trunk Extension. MICHIO TOIIMA SUGURU TORII