Click Here to Join Us Virtually!

Wednesday, April 28 – Oral Presentations

- **Oral Q&A Session 1: 9:00am – 9:20am EST**
  **OU1**: Find Your Voice: The Results of a Student-Lead Community Initiative on Sexual Assault Education by Georgia Sasser; Olivia Jarvis; Allie Jessee; Emma Best; Claire Abercrombie; Gracie Talbert

  **OM1**: The Role of a Child's Tolerance for Error on Active Participation in Upper Extremity Neurehabilitation by Rebecca Auten; Hannah Bebber; Melissa Thomas; Keely Price; Kelly McGloon, PhD

  **OM2**: Gait Modification Effects on Subject-Specific Tibia Stress during Running in Males and Females by Stacey A. Meardon, PhD; Margaret Marshall, SPT; John David Willson, PhD; Lauren Alexis Stubbs DPT; Richard W. Willy, PhD

  **OR3**: Anatomical and Physiological Changes Following Primary Palatoplasty Using the Buccal Flap Approach by Abigail E. Haenssler; Robert Mann, MD; Xiangming Fang, PhD; Jamie L. Perry, PhD

  **OR2**: The Impact of COVID-19 on Evidence-Based Practice by Imani Gilbert, B.S.; Jamie Perry, PhD

- **Oral Q&A Session 2: 9:30am – 9:50am EST**
  **OU2**: Your Child is Overweight, Now What? Understanding How Head Start Staff Communicate With Low-Income Families About Childhood Obesity by Dana Shefet; Beth Miller, PhD; Stephanie Nicely, EdD; Virginia C. Stage, PhD

  **OM3**: Visual Reaction Time Differences Between Medically-at-Risk Adult Drivers and Controls by Victoria Penna; Anne Dickerson, PhD

  **OM4**: Effects of Background Music on Experienced Driving Performance in Individuals with Autism Spectrum Disorder Compared to Neurotypical Individuals by Sydney Romer

  **OR1**: Design and Development of Optogenetic Reporters to Study Neuronal Signaling in Health and Disease by Wyatt Bunner; Erzebet Szatmari; Robert Hughes

*Schedule as of 4/21/2021*
**OR5**: The Impact of COVID-19 Across Major Organizations Involved in Cleft Care by Taylor Snodgrass, M.S.; Jamie Perry, PhD; Erin Stieber, JD; Hugh Brewster, M.Ed.; Ruben Ayala, MD; Usama Hamdan, MD

- Oral Q&A Session 3: 10:00 – 10:20am EST
  **OM5**: Inpatient Rehabilitation Services and Physical Activity Level by Carley Overman

**OR4**: Quantifying Changes in Speech and Velopharyngeal Function Following Lefort I Maxillary Advancement and Distraction using Perceptual and Instrumental Assessment by Eshan Schleif; Katherine Willoughby; Colin Brady; Joseph Williams; John Riski; Jamie L. Perry, PhD

**OR6**: Early Nutrition Among Infants with Cleft Lip and Palate Admitted to the NICU by Neda Tahmasebifard; Patrick M. Briley, PhD; Charles Ellis, PhD; Jamie L. Perry, PhD

*Schedule as of 4/21/2021*
Wednesday, April 28 – Poster Presentations

- **Poster Q&A Session 1: 10:30am – 11:00am EST**
  
  **PU1**: Speech Recognition in Noise Abilities between Musicians and Non-Musicians by Rebecca Davis; Andrew Vermiglio; Virginia Driscoll; Kylee Shapiro; Erin Kokinda; Hannah Osborne; Reyse Stirrett

  **PU2**: Impact of Listener Dialect on Speech Perception in Noise by Erin Kokinda; Andrew Vermiglio; Virginia Driscoll; Hannah Osborne; Reyse Stirrett; Rebecca Davis; Kylee Shapiro; Kacey Sturdivant

  **PU3**: Kotter Change Management Model and A3 Thinking effects on Reducing the Number of Cigarettes Smoked Per Day: A Single-Subject Research Study by Delcina Loyd Eaton; Robert Campbell

  **PU4**: Implications on Mental Health Due to COVID-19 in Patients with Parkinson’s Disease by Rachel Mansfield; Julia Scott; Madeline Funke; Saryu Sharma; Erika Johnson; Natalia Jaworska; Kathrin Rothermich

  **PM1**: Plasma Lactate and Skeletal Muscle Fatty Acid Oxidation in Individuals That Are Overweight by Alayna Allred; Megan Warfield; Joseph Houmard; G. Lynis Dohm; Terry Jones

  **PM2**: Appropriate Referral and Non-Operative Management of a Posterior Rim Acetabular Fracture by Grace Baker; Alex Durland

  **PM3**: Exploring the Role of Telehealth to Improve Writing Self-Perception in 7-12-Year-Old Students by Emily Berrier; Virginia Middleton

  **PM4**: Normative Data for DriveSafety by Margaret Bitter; Elizabeth Earley; Anne Dickerson, PhD

  **PM5**: Increasing Physical Activity to Preserve Function in Older Adults: Lessons from Mouse Models of Endurance Training by Chris Byrd; Megan Pajski; Nainika Nandigama; Alyssa Fennell; Emily Seguin; Anna Seguin; Ted G. Graber

  **PM6**: Leaders of a Doctor of Physical Therapy Pro-Bono Student Run Clinic Perceive Greater Leadership and Educational Benefit Than Non-Leaders by Heather Chambers, SPT; Kasey Cooke, SPT; Kalen Volger, SPT; Christine Lysaght, DPT

*Schedule as of 4/21/2021*
PM7: Predictors of COVID-19 vaccine uptake among adults in eastern North Carolina by Fernando L. Chivela; Ashley E. Burch; Elisabeth Lee; Paul Shackelford; Paul Bolin

PM8: The Relationship between Total Activity Count and Assistance Level of Adults Receiving Inpatient Rehabilitation Services by Amber Christensen; Caroline Sloan; Young Kim, PhD

PM9: Real-time Metabolic Energy Expenditure to Study Gait Changes by Courtney Collins; Ryan Wedge

PM10: Clinical Instruction Survey of Doctor of Physical Therapy and Physical Therapy Assistant Programs in North Carolina and South Carolina by Lindsey Davis, SPT; Patricia Hodson, DPT

PM11: Understanding the Role of Rab10 in Neuronal Resilience by Rachel Dodson; Olivia Thiery; Vishwanath Vasudev Prabhu; Wyatt Bunner; Tuan Tran; Erzsebet Maria Szatmari

PM12: Ankle Joint Loads during Triple Hop Landing in persons with Chronic Ankle Instability by Abigail Donahue; John D. Willson, PhD; Kristin Tharrington; Anna Becker; Stacey A. Meardon, PhD

PR1: Just Breathe: The Efficacy of Paced Breathing to Decrease College Students’ Anxiety by Amelia D. Saul, MS; Matthew T. Fish, PhD

PR2: Tamoxifen Effects on Cognition and Language in Women with Breast Cancer by Saryu Sharma; Fatima Jebahi; Heather Harris Wright

• **Poster Q&A Session 2: 11:00am – 11:30am EST**

  PU5: Calcium Handling Abnormalities in Aging Muscle Associated with Declining Physical Function by Nainika Nandigama; Megan Pajski; Chris Byrd; Alyssa Fennell; Anna Sequin; Emily Sequin; Ted G. Graber

  PU6: Knowledge and Perception of Aging and Older Adults Among Allied-Health Students by Puja A. Patel; Oyinlola T. Babatunde, PhD

  PU7: Effects of Dual-Task Training on Cognitive-Motor Learning and Cortical Activation in Healthy Young Adults by Tyler Phinizy; Chia-Cheng Lin, PhD; Swati M. Surkar, PhD

*Schedule as of 4/21/2021*
PM13: Predictors of Physical Activity Level During Therapy Times in Adults Who Are Receiving Inpatient Rehabilitation Services by Samantha Droese; Allison King

PM14: Using Computerized Balance Error Scoring System as Baseline Concussion Testing in Collegiate Dance Majors by Alexander Durland, DPT; Chi-Cheng Lin, PhD; Deah McRae, SPT; Erin Ogden, SPT

PM15: Effects of a Collaborative Occupational Therapy Interactive Vaulting Program on Executive Function and Group Participation in Children with Disabilities: A Pilot Study by Danielle Goldberg; Olivia Fisher; Zoe Shirk; Mackenzie Thorley

PM16: Occupational Therapy Patient Education Material Assessment for Universal Design for Learning and Health Literacy by Alyssa Gray; Paige Asbury; Carly Castillo; Kristin Heyward; Lynne Murphy

PM17: The Characteristics of Patient’s participating in the Interdisciplinary Falls Clinic by Kristen Harrison, SPT; William Johnstone, III; Anne Nye, DFM; Janice Daugherty, DFM; Chia-Cheng Lin, PhD

PM18: Factors Associated with Concussion Prognosis—A Retrospective Chart Analysis by Sascha Jilg; Megan Ferderber; William Urbanek; Jennifer Shaw; Shelby Boatwright; Alyssa Adamkowsi; Shellie Zsoldos, PhD; Chia-Cheng Lin, PhD

PM19: Effects of Tamoxifen on Cognition and Language in Women with Breast Cancer: A Systematic Search and a Scoping Review by Fatima Jebahi; Saryu Sharma; Jamie Elizabeth Bloss; Heather Harris Wright

PM20: Progressive Load Bone Stress Injury by Molly Kerr; Stacey Meardon, PhD

PM21: Effects of Physical Therapy After Tendon Ultrasound Guided Percutaneous Tenotomy and PRP Injection in a Runner with Chronic Bilateral Hamstring Tendinopathy by Hayden Lundahl; Jaclyn Farrior Woodall; Sarah Johnson

PM22: Capacity Versus Performance of Lower Extremity Activities in Children with Unilateral Cerebral Palsy: A Study Protocol by Christina M. Moore, SPT; Swati M. Surkar, PhD

*Schedule as of 4/21/2021*
**PM23:** The Effect of Musical Experience on Speech Recognition in Noise (SRN) Ability by Lauren Leclerc, B.S.; Andrew Vermiglio, AuD; Meagan Thornton, B.S.; Hannah Osborne, B.S.; Elizabeth Bonilla, B.S.

**PM24:** Maintaining Social Participation and Quality of Life Through Community Mobility After Driving Cessation With Transportation Planning by Kathryn Moore; Lynne Murphy, EdD; Anne Dickerson, PhD

**PR3:** Perceptions of Vocational Rehabilitation Professionals Regarding Workforce Innovation and Opportunity Act Policy Changes and Employment Outcomes by Susan G. Sherman, Ph.D.; Margaret P. Sanders, MS; Ralf Schuster, M.Ed.; Monica Bloomberg, BA; Peter Eischens, MS; Lauren Bethune-Scroggs, MS; Luke Limbrunner, MBA, MS

• **Poster Q&A Session 3: 11:30am – 12:00pm EST**

**PU8:** Dynamic Social Perception in Adults with Autism Spectrum Disorders by Hannah Ring; Mackenzie Rountree; Elizabeth Simmons; Stephanie Wallio; Kathrin Rothermich, PhD

**PU9:** Relationships Between Grammar Performance and Speech Recognition in Various Maskers by Kylee Shapiro; Andrew Vermiglio; Virginia Driscoll; Rebecca Davis; Erin Kokinda; Hannah Osborne; Reyse Stirrett

**PU10:** The Impact of a History of Otitis Media on Speech in Noise Abilities by Kacey Sturdivant; Andrew Vermiglio; Virginia Driscoll; Reyse Stirrett; Rebecca Davis; Kylee Shapiro; Hannah Osborne; Erin Kokinda

**PM25:** Speech Perception in Noise and Working Memory Performances for Musicians vs. Non-Musicians by Hannah Osborne; Andrew Vermiglio; Virginia Driscoll; Reyse Stirrett; Erin Kokinda; Rebecca Davis; Kylee Shapiro; Kacey Sturdivant

**PM26:** Injury Potential with High-Intensity Interval Training and Prolonged Running by Monica L. Piszczor; Stacey A. Meardon

**PM27:** Meta-analysis of Lower Extremity Joint Contact Force Profiles after ACL Reconstruction by Alex Pearson-Moyers, SPT; John D. Willson, PhD

**PM28:** Inertial Sensor Predictions of PFJ Contact Force During Running by Andrew Newnam, SPT; Caroline Yeomans, SPT; Stacey A. Meardon, PhD; John D. Willson, PhD

*Schedule as of 4/21/2021*
PM29: The Impact of Parkinson’s Disease on Social Communication: Behavioral Evidence by Mackenzie Rountree; Julia Scott; Emily G. Ritter; Kimberly S. Fleck; Havan L. Harris; Madison Capps; Kathrin Rothermich

PM30: A Comparison of Upper Extremity Capacity vs. Performance Measures in Children with Unilateral Cerebral Palsy by Sarah Sedaghat, SPT; Swati Surkar, PhD

PM31: Comparing Brain Activity Between Sitting and Standing Positions while Performing Concurrent Cognitive Tasks in the Presence of Optic Flow by Jenny Shaw; Brian Sylcott; Rui Wu; Shanyue Guan; Chia-Cheng Lin

PM32: Fall-Specific Somatosensory Thersholds (FASST) for Improving Steadi Fall Risk Screening Algorithm by Ashley Skutka, SPT; Riley Horn; Summer Kenny; Emma Blount; Stacey Meardon, PhD; Kevin O’Brien, PhD; Chia-Cheng Lin, PhD

PM33: The Relationship between Speech Perception in Noise Ability and Reading Comprehension and Reading Speed by Reyse Stirrett; Andrew Vermiglio; Virginia Driscoll; Hannah Osborne; Rebecca Davis; Erin Kokinda; Kylee Shapiro; Kacey Sturdivant

PM34: Influence of Maternal Exercise During Pregnancy on Infants’ Neuromotor Skills Across the First Year by Margaret Weiss; Forrest Best; Linda E. May; Amy Gross McMillan

PM35: Use of WebEx versus Teams for Group and Individual Writing Interventions for 7–12-Year-Old Students by Taylor Whaley; Sarah Woodlief

PM36: Medial Tibiofemoral Joint Kinetic Predictions During Walking Using Wearable Sensors by Caroline Yeomans; Andrew Newnam; Stacey A. Meardon; John D. Willson

PM37: Coordination Variability in People With and Without Unilateral Transtibial Amputation by Ryan D. Wedge; Ashleigh Andreichak; Stacey Meardon

*Schedule as of 4/21/2021*
Wednesday, April 28 – Live Awards Ceremony

- Awards Ceremony: 12:30pm – 1:00pm EST
  - Join Here!