

Friday, April 22nd

8:30 AM Breakfast

8:55 AM **HRS Opening Remarks**
John H. Bolte IV, PhD | HRS Director of Research

ORAL SESSION I

9:00 AM ***Giving the patients less work": Improving the usability of telehealth at an autism-specific primary care clinic***
Dan Gilmore, Brittany Hand
HRS PhD Program, Dr. Hand's Lab9:15 AM ***Quadriceps Strength is Associated with 2D Kinematics and Movement Variability after ACL Reconstruction***
Jamie Kronenberg, Laura Schmitt, Kevin Ford, Staci Thomas, Christin Zwolski, Mark Paterno
HRS PhD Program, Sports Rehabilitation & Recovery Lab9:30 AM ***Effects of Bilateral Patellofemoral Pain and Dry Needling on Laterality Recognition, Movement, and Muscle Function: A Pilot Study***
Cody Mansfield, Laura Boucher, Kat Rethman, Matthew Briggs, James Oñate
HRS PhD Program, MOvES & ROAR Labs9:45 AM ***Using Incident Reports to Advance Patient Safety and System Resilience in Radiation Oncology Treatment Planning***
Dominic DiCostanzo, Emily Patterson
HRS PhD Program, Leverage Point Engineering Laboratory

POSTER SESSION I

10:00 AM ***BOLD Response in the Contralateral Precuneus is Associated with Biomechanics in Individuals following ACLR***
Adam Culiver, Dustin Grooms, Nathan Edwards, Laura Schmitt, James Onate
HRS PhD Program, MOvES & SRRL Labs10:05 AM ***Physical Activity Variability Over Time in Survivors of Traumatic Brain Injury***
Timothy Rethorn, Jennifer Bogner, Catherine Quatman-Yates
HRS PhD Program, LIFT Lab10:10 AM ***Sensorimotor Processing in Youth Football***
Gregory Edwards, Carly Smith, Zeynep Saygin, Jaclyn Caccese
HRS PhD Program, CAVE Lab10:15 AM ***Iron Supplementation and Athletes: Best Practices***
Stephan Zarich, Julie Kennel, Jordan Jennewine, Jackie Buell
Medical Dietetics Program, Sports Nutrition Lab

- 10:20 AM** ***Food System Models for Promoting Food Security, Diet Quality, and Health among Low-Income Populations: A Systematic Review***
Katharine Garrity, Hannah Hart, Ashlea Braun, Katie Poppe, Kathleen Krzyzanowski Guerra, Jennifer A. Garner
HRS PhD Program, Garner Research Group
- 10:25 AM** ***Association of Body Image with Dietary Intake in Recreational Female Runners***
Brittany Bowman, Jackie Buell
HRS Program
- 10:30 AM** ***Post-Traumatic Growth Following Nutrition Integration During Lung Cancer Treatment: A Qualitative Study***
Jana Leotta & Chloe Pavuk, Pamela Rothpletz-Puglia, Jade Smith, Colleen Spees, Kimberli Pike, Carolyn Presley, Jessica Krok-Schoen
Medical Dietetics Program, HOPE Lab
- 10:35 AM** ***Understanding Factors Associated with Catheter Line-Associated Bloodstream Infections in Home Parenteral Nutrition***
Razan Hallak, Marcia Nahikian-Nelms, Adeeti J. Chiplunker, Kristen Roberts
HRS Program
- 10:40 AM** ***The Benefit of the Wayfinder System for Individuals with Cognitive Disabilities and their Caregivers***
Kaetlyn Culter, Carmen DiGiovine
Occupational Therapy Program, MAPCD Lab
- 10:45 AM** ***Clutter and Pests and Transfers- Oh My!: Home Health Care Workers Perception of Communication around Hazards with Clients***
Angela Provenzano & Sarah Anderson, Haley Oliver, Dr. Amy Darragh
Occupational Therapy Program, IPARR Lab
- 10:50 AM** ***Preliminary Validation of a Three-Dimensional Rib Fracture Analysis Methodology***
David Stamper, Yun-Seok Kang, Angela Harden
Athletic Training Program, IBRC
- 10:55 AM** ***Quality improvement in the physical therapy literature: a scoping review***
Riley Summers, James Crick, Tim Rethorn, Tyler Beauregard, Zachary Rethorn, Katie Quatman-Yates
Health Sciences Program, LIFT Lab
- 11:00 AM** **BREAK | Posters from Session I on display**
- 11:30 AM** **LUNCH | HRS Research Q & A**

ORAL SESSION II

- 12:00 PM** ***The Low FODMAP Diet and a Sugar and Fiber Modulated Diet are Efficacious for Symptom Management in Irritable Bowel Syndrome***
Vyshali Liya Swaminathan, Alberta Negri-Jimenez, Marcia Nahikian-Nelms, Kristen Roberts
Medical Dietetics Program, Roberts' Lab
- 12:15 PM** ***Describing the Health History of Law Enforcement Applicants***
Nathan Edwards, James Onate
HRS PhD Program, MOvES Lab
- 12:30 PM** ***Leveraging Systems Science and Quality Improvement Methodologies to Address Immobility Harm in the Emergency Department and Hospital Setting***
Gabriel Alain & James Crick, Catherine Quatman-Yates
HRS PhD Program, LIFT Labs
- 12:45 PM** **Research Remarks**
Peter Mohler, PhD | Vice President of Research – The Ohio State University

POSTER SESSION II

- 1:00 PM** ***A survey study to understand acute care physical therapist perceptions of fall prevention practice and the influence of hospital contextual factors***
James P. Crick, Lisa Juckett, Marka J. Gehrig, Sydney Corl, Catherine C. Quatman-Yates
HRS Program, LIFT Lab
- 1:05 PM** ***The Impact of Social and News Media Coverage on the Dissemination of Autism Research***
Anne Longo, Brittany Hand
Health Sciences Program, Dr. Hand's Lab
- 1:10 PM** ***Characterizing Occupational Therapy Intervention for Children with Autism Spectrum Disorder***
Meredith Kromalic, Joseph Martis, Jewel Crasta
Occupational Therapy Program, NeuRO Lab
- 1:15 PM** ***Hippotherapy fosters high therapeutic engagement of pediatric patients***
Julia Mazzaella, Jill Heathcock
HRS PhD Program, PEARL Lab
- 1:20 PM** ***"I just never think of my safety so much as theirs": The development of The Home Healthcare Conversations app to coach home healthcare workers through challenging health and safety scenarios***
Haley Oliver, Amy Darragh
Occupational Therapy Program, IPARR Lab

- 1:25 PM** ***Food Security Measurement: A Mixed Methods Study of Whether the Gold Standard Captures the Lived Experience of Rural Ohioans***
Daniel Ryan Kreaps, Kathleen Krzyzanowski Guerra, Ashlea Braun, Jennifer A. Garner
Medical Dietetics Program, Garner Research Group
- 1:30 PM** ***Effect of Robotic Walking Device on Physical Activity in Persons with Idiopathic Parkinson's Disease***
Alexander Janis, Deborah Kegelmeyer
Physical Therapy Program
- 1:35 PM** ***Response Rate for Wheeled Mobility Service Delivery Quality Improvement Reporting***
Ashley Stojkov, Carmen DiGiovine
Health Sciences Program, Rehabilitation Science and Technology Lab
- 1:40 PM** ***Implementation of 3D digital assistive technology (AT) models and asynchronous lab experiences in the OSU Assistive and Rehabilitative Technology Certificate program***
Kayden Gill, Carmen DiGiovine
Health Sciences Program, LATA Lab
- 1:45 PM** ***Development of an online questionnaire examining stakeholder perception of the CRT service delivery process***
Tyler Beauregard, Richard Schein, Theresa Berner, Carmen DiGiovine
HRS Program, Rehabilitation Sciences & Technology Lab
- 1:50 PM** ***A systematic review of bus travel training programs to identify key ingredients for learning among individuals with cognitive deficits***
Sarah Anderson, Spencer Kaple, Nicole Tonyan, Jennifer Lundine, Carmen DiGiovine, Emily Patterson, Scott Swearingen, Amy Darragh
HRS PhD Program, IPARR Lab
- 1:55 PM** ***The correlation between the Large Omnidirectional Child (LODC) Anthropomorphic Test Device (ATD) and 8-12 year-old children anthropometric data and range of motion measurements***
Caitlin Wetzal, Julie Mansfield, Laura Boucher
Athletic Training Program, MOvES & IBRC Labs
- 2:00 PM** **BREAK | Posters from Session II on display**