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# Faculty and Students Present Research at the American Physical Therapy Association Combined Sections Meeting

March 28, 2018



Seven Doctor of Physical Therapy (DPT) faculty and 16 students in the Waters College of Health Professions attended and presented their research at the American Physical Therapy Association Combined Sections Meeting in New Orleans, Louisiana, this past February.

With the guidance of DPT faculty members, Andi Beth Mincer, PT, Ed.D., associate professor; David Bringman, PT, DPT, assistant professor; Frank Glenn, PT, Ph.D., SCS, ATC, assistant professor; James Karnes, PT, Ph.D., associate professor; George Davies, PT, DPT, M.Ed., SS, ATC, LAT, CSCS, PES, FAPTA, professor; Haley Worst, PT, DPT, OCS, assistant professor; and Bryan Riemann, Ph.D., professor in the Department of Health Sciences and Kinesiology, students from the DPT program presented the following research:

- Lauren Herman, Alaina Mann, Katelyn Minick, Ally Wilson: “Effects of Gyroscopic Training on Scapulothoracic Functional Stability and Upper Extremity Power”
- Nathaniel Van Dyke, Julia Ash, Johnny McLean, Donnie Gay: “Comparison of the Reliability of Vertical Ground Reaction Forces during Single-Leg Hop

Test for Distance and Alternating Limb Crossover Hop Test for Distance in Normal Subjects”

- Tyler Broering, Reece Fair, Drew Johnson, Nick Lamb: “Quantifying Ground Reaction Forces for Double and Single Leg Plyometric Exercises in a Horizontal, Gravity Minimized Position”
- Tyler Adams, Joseph Brown, Gunnar Mendiola, Ryan Sullivan, Cody Williams: “Correlation Between the Spirit Bike Maximal Power Output and Other Lower Extremity Power Output Tests”
- Amber Buchanan, Niki Cail, Tara Cameron, Brooke Crum: “Efficacy of a Computerized Knee Simulation Model on Developing Manual Therapy Skills in Physical Therapy Students”

In addition to student presentations, DPT faculty members Worst and Nancy Henderson, Ph.D., assistant professor, presented their research title “Development and Reliability Testing of the Dynamic Agility Lateral Performance Test (DALP) for Rehabilitation Progression and Criteria for Return to Sport”. The research was conducted in collaboration with Ryan Decarreau, adjunct faculty in the DPT program and physical therapist for the US Army Special Operations Aviation Regiment, 3<sup>rd</sup> Battalion, 160<sup>th</sup>, and Davies.

Students received funding through the Graduate Student Council and the DPT program to assist with costs related to the conference.

“With over 17,000 attendees, the conference provides exposure for the program and the opportunity for continuing education about current research and best clinical practices,” stated Elizabeth Varner, clinical education assistant in the Department of Rehabilitation Sciences.

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