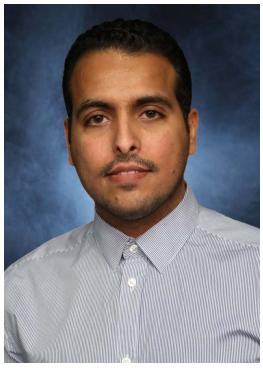
Departments of Physical and Occupational Therapy present

Rehabilitation Science Dissertation Defense



Naif Alrashdi
Candidate for PhD in
Rehabilitation Science
Final Dissertation Defense

Changes in Pain Intensity and Physical Activity Levels in Individuals with Acetabular Dysplasia Undergoing Periacetabular Osteotomy: A Longitudinal Cohort Study

Acetabular dysplasia (AD) is a pre-arthritic hip disease that is characterized by incomplete acetabulum development leading to a lack of bony coverage of the femoral head. AD is commonly seen in adolescents and young-to-middle-aged adults. AD leads to hip pain, limited hip-related function, decreased quality-of-life, hip joint instability, and early development of hip osteoarthritis. Periacetabular osteotomy (PAO) is the typical surgical treatment for patients with AD. PAO repositions the acetabulum to increase the bony coverage of the femoral head to reduce pain and improve function. This dissertation involved three research studies. The first study synthesized the current evidence regarding patient-reported outcomes (PROs) and mobility-related outcomes before and after PAO. The second study examined early and longitudinal pain intensity and physical activity (PA) level improvements before and 6 months after PAO. The third study examined the potential influence of rehabilitation-specific factors at baseline on pain intensity and PA levels 6 months after PAO, and examined the cross-sectional associations amongst muscle strength, loading patterns during dynamic, sport-related tasks, pain intensity, and PA levels at 6 months following PAO. Collectively, this dissertation work provided critical information regarding PROs and mobility-related outcomes recovery following PAO, and determined correlates of functional recovery after PAO. These findings may inform clinical practice and future research studies to improve clinical outcomes in patients with AD undergoing PAO.

UAB SCHOOL OF HEALTH PROFESSIONS
The University of Alabama at Birmingham

EVENT DETAILS

Free to UAB students, faculty and clinicians.
***Lunch will be served to first 20 attendees**

DATE/TIME

Tuesday, November 1, 2022

2pm - 3pm

LOCATION

SHPB 641 A/B and https://uab.zoom.us/j/89341697071

CONTACT

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For more information about the Rehabilitation Science Program please checkout our website: http://www.uab.edu/shp/home/graduate/doctoral/phd-rehabilitation-science