

Carolynn Tan

HONOURS RESEARCH



Research Focus:

Carolynn's honours research is focused on looking at the task, age and sex effect on lower extremity kinematics asymmetry in athletes performing single and double leg drop jump-landings and the relation to non-contact ACL injuries. Previous research has suggested interlimb asymmetries may predispose individuals to a non-contact ACL injury. However, there appears to be a gap in the literature which looks at interlimb asymmetry in both male and female athletes at different ages during jump-landings. A motion capture system and force plates was used to collect lower limb kinematics during single and double leg drop jump-landings of athletes aged 8-26. This study will allow for further insight into understanding the link between asymmetries and non-contact ACL injuries.

About Carolynn:

Carolynn is a 4th Kinesiology student from Singapore. She is the senior student therapist for the Acadia Women's Basketball team and a TA for Biomechanics 1. Carolynn is currently a volunteer at Cardiac Rehab and has also volunteered with the Friday evening Girls' Night Out – Big Sisters Program.



Carolynn became interested in studying ACL injuries due to her own sister suffering a complete ACL tear as well as witnessing other teammates sustain the same injury while playing netball. Following graduation, Carolynn hopes to pursue a masters in Physiotherapy but would still like to be involved in injury prevention research.

Supervisor: Dr. Scott Landry