Junior Researcher Mentoring Programme 2023

Code:	JRMP2023_27
School / Department:	Department of Rehabilitation Sciences
Name of Research Team Member(s):	Dr Billy So, Assistant Professor
Research Topic:	The Effects of Backpack Carriage on Gait Kinematics and Kinetics of Secondary Students
Short Description of the Research Project:	Secondary school students have the daily routine of carrying school materials including textbooks. School materials are commonly put inside a backpack because it is a convenient way to carry loads. In fact, students spend a significant amount of time carrying heavy backpacks every school day. Previous studies have shown that load carriage may alter gait kinematic, ground reaction force and plantar pressure. The biomechanical changes in static or dynamic posture caused by load carriage can contribute to musculoskeletal injury. The aim of this study is to investigate the effects of backpack carriage with different loads on gait kinematics and kinetics in secondary school students in Hong Kong.
No. of Places Offered:	2
Frequency of Meetings:	Weekly
Special Requirement(s):	Nil

** The information presented above is subject to change.*