

Biography

Richard Allan is a Higher Scientific Officer specialising in clinical biomechanics within the Academic Department of Military Rehabilitation (ADMR) at the UK Defence Medical Rehabilitation Centre, Stanford Hall. As an undergraduate in Sport & Exercise Science at the University of Strathclyde his research interests lay within the field of biomechanics and the application of 3D motion capture systems leading to an MSc in Bioengineering, again at the University of Strathclyde.

In 2017 he completed his PhD through Glasgow Caledonian University, exploring the application of personalised additive manufactured foot orthoses in knee osteoarthritis patients and their effect on lower limb joint biomechanics and patient reported outcome measures. His current research interest's focus around understanding the biomechanics of human movement in the context of musculoskeletal injury rehabilitation including the implementation and assessment of intervention approaches designed to improve outcomes and promote efficient injury recovery.

At Stanford Hall, he is currently responsible for the clinical gait service and leads on the biomechanical evaluation of military personnel presenting with Hip & Groin related conditions in order to better understand differences in biomechanical presentation and response to rehabilitation.