



The University of Salford Centre for Rehabilitation and Human Performance Research (CRPHR)

The aim of the centre is to undertake research into human movement and its disorders with a specific focus on rehabilitation. Our Gait laboratory is central to most activities within the Centre. It is equipped with a wide range of biomechanical and physiological instrumentation, and offers access to other physiological equipment within the faculty. At CRPHR, we adopt a multidisciplinary approach which is critical to the success of the laboratory and enables a wide range of projects to be performed. Through our research themes we are actively engaged in building research capability for the health professions related to rehabilitation.



In summer 2006, a new research study is about to take place at the centre. The study aims to establish a better understanding of how the

foot works in people with Achilles tendon pain and the effect in-shoe orthotic insoles have on symptoms and foot mechanics of those with the condition. The study will be undertaken by Podiatrist Barry Richards as part of his PhD study.

<http://www.healthcare.salford.ac.uk/crhpr/b-richards.htm>

To enable us to perform this particular piece of research we are looking for volunteers who are runners and have Achilles tendon pain. Being part of the study will involve two visits to the new University gait laboratory in the Mary Seacole building where your running gait will be analysed. On your first and second visits your gait will be tracked using infra-red cameras and muscle activity measured while you run on the indoor running track.



Orthosis

During the period between your visits you will be invited to use a therapeutic insole (orthosis) in your shoes which you will be able to keep after the trial. The orthosis is designed to alter rear foot motion and therefore reduce tendon pain. The effect of the orthosis may not be the same for everybody and some will respond better to the insole than others. The information collected from both visits will then be analysed to assess the effect of the insole on Achilles tendon pain, foot mechanics and investigate why the orthosis works for some and not others.



The new gait laboratory

If you are interested in taking part in the study please contact;

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