



The Royal Children's Hospital
Flemington Road, Parkville
Victoria, 3052 Australia
Tel: +61(03) 9345 5354
Fax: +61(03) 9345 5447

The Hugh Williamson Gait Analysis Laboratory

“Measuring how people walk: Is Ultrasound as good as MRI?”

I am conducting a project to see if ultra sound is as good as MRI to help in measuring how people walk (gait).

We use gait analysis to *estimate* where a person's hips are while they are walking. MRI (Magnetic Resonance Imaging) can be used to get a picture of where the person's hips really are. Because MRI is expensive and takes time only a few people can have gait analysis with MRI.

Ultra sound is another way of seeing where a person's hips really are. Ultra sound is cheaper and portable, so more people can have gait analysis with ultra sound.

We think that ultra sound may be as accurate as MRI, but we need to prove this by comparing the two methods. We plan to use both ultra sound and MRI on 20 people between 5 years and 70 years of age to see if this is true. If ultra sound is as good as MRI, we will be able to use it instead of MRI to assist with gait analysis on more people, more cheaply.

Participants will undergo a MRI scan of their pelvis, an ultra sound of their hips and a three dimensional gait analysis. If you are interested in participating please contact Alana Peters for further details.

Email: alana.peters@rch.org.au

Phone: 9345 6794