

CHIDHEATHRESEARCHGEARLIABLEINGCRORAIRDCRCANSALION(CHROC) PROCRESSFORM-VACATIONSILLENIS

Stubrt's range	Matthewice
Acadenic Roganne:	Developmental Neurosciences
Roject title(s):	Quantifying the effect of activity on muscle microstructure using diffusion MRI
1. LaySummary.	

The aim of this project is to quartifiably determine how physical activity affects calf muscle microstructure in healthy volunteers, which will inform imaging protocols in patients with Durbanne Muscular Districtly (DMD). Magnetic Resonance Imaging (MRI) protocols focusing on the diffusion of vater in the calf muscle before and after a specific exercise regime will be acquired. These measurements allow us to draude is set the microstructure of the tissue. The processing and subsequent statistical evaluation of this data will inform the effect of this exercise on the common image measurements used in diffusion MRI (or diffusion tensor imaging (DIII)). Though this project, Laim to gain personal research experience in a to research department, to better understand research as a career path.