

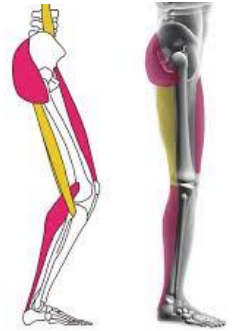


## The **RAINCOAT** study:

# EVERYDAY WALKING IN CROUCH GAIT in children with cerebral palsy

### Would you like to take part in a research study?

My name is Harriet Hughes, and I am researching Crouch gait. This is one of the most common walking patterns affecting children and young people with Cerebral Palsy. It is characterized by excessive knee bend which can lead to chronic knee pain and reduced independent mobility skills.



### What do we want to find out?

We want to find out how knee muscle strength and selective motor control (the ability to move joints independently of one another), impact on crouch gait during everyday walking activities such as slopes, steps, and kerbs and compare this to children who do not have Cerebral Palsy. It is hoped that this will enable the development of new treatment approaches for children and young people with crouch gait and Cerebral Palsy, which target real-life difficulties they face when walking outside.



### Who can take part?

We are inviting children aged 6-18 years both with and without Cerebral Palsy to take part, who can walk with or without a walking frame

### Where and when?

The study is taking place at the University of Plymouth, Human and Movement function lab from 1<sup>st</sup> November 2022 to 31<sup>st</sup> January



### What's involved?

A one-off appointment lasting approximately 90 minutes. During this appointment you/your child's knee muscle strength, selective motor control and their walking on slopes, steps and over level ground will be measured.



If you would like to find out more or if you are interested in taking part then please contact me via email, whatsapp, text or phone:

**Harriet Hughes**

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