

Participate in Research

How Does the Brain Feel Pain? A Study for Children and Youth with Cerebral Palsy



Principal Investigator:
Dr. Tom Chau



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**TO ASK QUESTIONS OR TO SIGN UP,
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Date Posted:

Version Date:01/19/2026

Do you have cerebral palsy and experience chronic pain? Join a research study exploring how brain activity is linked to pain in kids and teens with CP.

What is this study about:

This study is investigating how the brain responds to pain in children with cerebral palsy using a research physiotherapist-guided stretching, with the goal of improving future pain assessment and treatment.

Who can participate?

We are looking for children and youth who:

- Are 8-18 years old
- Have a diagnosis of cerebral palsy (GMFCS 1-4)
- Do not have dyskinetic cerebral palsy
- Experience chronic pain
- Can give reliable yes/no feedback about their pain during the activity (verbally or non-verbally)
- Do not have an amputation of the lower limb at or above the knee
- Do not have uncorrected vision or hearing impairments
- Do not have any acute injuries that have caused pain within the past 6 weeks

What's involved?

Participants will attend one 90-minute sessions where a research physiotherapist will guide them through hamstring stretches that may cause some discomfort, while wearing an EEG cap that records brain activity.

Potential Benefits?

While there are no direct benefits, participating in this study will help researchers and clinicians better understand how the brain responds to pain in children with cerebral palsy. Leading to better tools for assessing and managing pain in kids who have difficulty communicating.

Potential Risks?

Participant may experience temporary discomfort during stretching. Wearing the EEG cap may feel uncomfortable after long periods of time.

Participants will receive a small token of appreciation to thank them for their time.

eREB #: 0772

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