



SELECTIVE MOTOR CONTROL IN YOUNG CHILDREN WITH CEREBRAL PALSY

WHAT ARE THE GOALS OF THIS RESEARCH STUDY?

To develop a new tool to measure how children with and without cerebral palsy (CP) control their muscles.

WHO CAN BE PART OF THIS RESEARCH STUDY?

- Children ages 2 to 7 years old who are either typically developing or have a diagnosis of cerebral palsy (Gross Motor Function Classification System- GMFCS level I-IV)
- Children will be screened for past medical history, and the ability to follow directions

WHAT WILL PARTICIPANTS BE ASKED TO DO?

- Cooperate with a standard physical test of movement and coordination
- Wear muscle sensor stickers over leg muscles.
- We are collecting data from the ankle, foot, hip, and knee, and will be focusing on the child flexing, pointing, and/or lifting their muscles in order to measure muscle activity from the muscle sensor stickers.
- They will be sitting to collect two movements (flexing/pointing) of the ankle, foot, and knee. In lying, they will collect the two lifting movements of the hip.

WHAT ARE THE BENEFITS OF TAKING PART IN THIS RESEARCH STUDY?

There are no direct benefits to you or your child, other than learning more about your child's muscle control and function. The knowledge gained from this study will help us learn how CP affects the ability to control muscles.

WHAT IS INVOLVED?

1 study visit at CHOP.

I WANT TO HELP! WHO DO I CALL?

If you have any questions or would like to join the research study, please contact:

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