

Magnetic Resonance Imaging (MRI) for Children at Risk for Motor Impairments

Purpose

The purpose of this research study is to determine if a new way of analyzing magnetic resonance imaging (MRI) data can be used to detect subtle changes in the brains of young children who may be at risk of developing motor problems later in life.

In order to determine if this new way of analyzing data is better, we need to include in this study children with motor problems and children without motor problems. Our goal is to determine which children will develop motor problems before the child develops symptoms. This will help doctors and families decide about early intervention and other therapies for the child.



Procedures

Participants will have a comprehensive developmental evaluation and an MRI scan four times over a two-year period. During the visit, the developmental evaluation will take one to two hours, depending on the child's age, and the MRI will take about one hour.

Reimbursement

Compensation will be provided to defer travel costs and lost wages.

Investigators

Principal Investigator

Maria L. Escolar, MD, MS

Co-Investigators

Michele Poe, PhD

Martin Styner, PhD

This research study is sponsored by National Institutes of Health (NINDS 1R01NS061965-01), and has been approved by the Institutional Review Board of the University of Pittsburgh.

If you would like your child to participate in this study, please contact our study coordinator.

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For further information, visit www.chp.edu/ndrd.

This research study is being conducted by the Program for the Study of Neurodevelopment in Rare Disorders at Children's Hospital of Pittsburgh of UPMC.



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