

UCDAVIS
M.I.N.D. INSTITUTE

**Brain Development and Learning Difficulties in
XXY/Klinefelter Syndrome
and Trisomy X/Triple X**

**Volunteers needed for a
Brain and Cognition Research Study**

The M.I.N.D. Institute at University of California, Davis is carrying out a study on the problems that some children have with thinking and reasoning about time, space, numbers and related areas of learning. The study is funded by the National Institutes of Health, which is the main organization that gives money for research in the United States. Dr. Tony Simon and Dr. Nicole Tartaglia would like to invite your 7 to 14-year old child with 47,XXY/Klinefelter syndrome or Trisomy X/Triple X to be part of the study. Many children with Klinefelter syndrome or Trisomy X/Triple X score lower on language-based tasks compared to visuospatial skills. We are studying the brain and how it produces this kind of thinking. Once we know more, we plan to develop interventions to reduce learning problems in children with certain genetic conditions.

Children who take part in the study will play computer games, do paper and pencil tests, and have pictures taken of their brain using an MRI machine. MRI scans do not involve any radiation. All of the activities are safe and have been pre-Approved by our Institutional Review Board. As part of this clinical research study, IQ achievement testing is carried out and parents will receive a letter describing the results in the mail a few weeks after completing the study. All of the assessments and the MRI scan will be done at the M.I.N.D. Institute in Sacramento, California.

Testing can be completed in two sessions of approximately 3 1/2 hours each day (or one full day). After successful completion of this, your child will receive \$60 in gift cards to thank them for their time and effort. If needed, some funds may be available to assist families with travel accommodations to Sacramento, CA. If you would like to find out more about taking part in this study and helping us learn about mind and brain development in children like your own, please contact the clinical research coordinator, Marisol Q. Mendoza, at The University of California, Davis M.I.N.D. Institute at (916) 703-0408 or email us at cabil@ucdmc.ucdavis.edu.



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