



COLUMBIA UNIVERSITY
MEDICAL CENTER



**Seeking Healthy Boys between 8 and 18 Years of Age
to Participate in a Study
on
Physical Characteristics, Hormones, Body Composition, Heart
& Bone Health Indicators and Quality of Life, Self Esteem &
Depression**

What is this study about?

This study is about the comparison of boys with and without Klinefelter syndrome (KS). KS is a genetic condition that affects only males. Klinefelter syndrome occurs when a boy is born with one or more extra X chromosomes. Most males have one Y and one X chromosome. Having extra X chromosomes can cause a male to have some unique physical and behavioral traits.

Why is this study being done?

The purpose of this research is to describe similarities and differences in body characteristics, body fat, and hormones, blood indicators for heart and bone health between boys who have KS and those who do not have KS. We are also interested in learning about your child's quality of life and self-esteem or if he experiences symptoms of depression.

How the study will involve you and your child?

The study will occur in one visit. Your time commitment will consist of approximately 2 hours. At the visit, your child will have a physical exam, a blood test for hormone levels, blood fats, blood sugar and insulin as well as blood indicators of bone health. Parents and children will also be asked to fill out questionnaires about quality of life, self-esteem and depression.

How do you know if your child is eligible to participate?

You and your child will be eligible to participate if he is between the ages of 8 and 18 years of age, is English-speaking and if you are willing to have your child receive a genetic test to determine if he has KS unless one already exists. We are seeking boys with and without KS.

Compensation

Boys will be compensated with a \$25 American Express Gift Card for his time. Parking will be paid by the study.

Where will the study take place?

CUMC Department of Pediatric Endocrinology
622 West 168th Street PH5E-522
New York, New York 10032

Please contact us to learn more about this study.

You may also visit: <http://www.klinefelteryouth.com> for more information

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