MEDICAL GENETICS & GENOMICS AT SICKKIDS

Your child's physician may refer you for a genetics consultation as there may be a genetic cause for your child's condition. We offer comprehensive clinical genetic testing, assessment and genetic counselling. We may also offer research studies to help find answers for the cause of your child's condition.
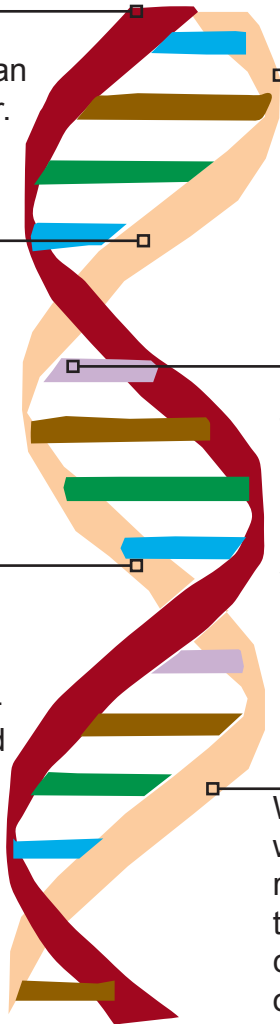
Visiting the Genetics Clinic

Your appointment will be scheduled with a physician and/or genetic counsellor.

The physician and/or genetic counsellor will ask about your child's medical and family history.

If any genetic testing has been done for your child before your appointment, the physician and genetic counsellor will review these test results with you.

The available options for genetic testing will be explained to you. Genetic testing is always optional. We will talk with you and do our best to answer your questions.

We may request samples (eg. blood, urine) from your child and from both parents. If both parents are unable to attend the appointment, we can still arrange for their samples to be collected at a later date.

We will contact you when the results are ready. This may take two to six months for clinical testing and often much longer if you are participating in a research study.

For more information, please contact the Genetics office at (416) 813-8559.

Genetic Tests Available

*This is not an exhaustive list.

Microarray — Detects missing or extra pieces of chromosomes that can cause health and/or developmental conditions.

Single Gene/Gene Panel Testing — Tests for changes in genes that are suspected to cause your child's particular health and/or developmental conditions.

Whole Exome Sequencing — Analyzes the *specific parts* of the genome that code for proteins to find an explanation of what could be causing your child's health and/or developmental condition.

Whole Genome Sequencing — Analyzes *all* of all the genome to find an explanation of what could be causing your child's health and/or developmental condition.

Only offered on research basis

SickKids® | Centre for Genetic Medicine