

# TUBEROUS SCLEROSIS COMPLEX (TSC) MULTI-DISCIPLINARY CLINIC

This sheet explains the signs and symptoms of the disease



## WHAT IS TUBEROUS SCLEROSIS COMPLEX?

- It is a genetic disease that affects around 1 million people all over the world.
- It causes tumors to form in different organs, including the brain, eyes, heart, kidneys, skin and lungs.



## WHY DO PATIENTS GET DIAGNOSED WITH TSC?

- The disease may be inherited from a parent with TSC or may be the result of a spontaneous genetic abnormality.
- TSC is caused by the presence of a mutation in the TSC1 or TSC2 gene. When they are defective, cell growth is not adequately controlled and TSC results.



## SIGNS AND SYMPTOMS

### BRAIN:

Multiple manifestations can occur in the brain of an individual with TSC. Among others, we generally find epilepsy, cognitive and behavioral disorders, attention deficit hyperactivity disorder and autism spectrum disorder.

### KIDNEY:

The majority (over 80%) of individuals with TSC will develop kidney damage during their lifetime. These attacks become more common during adolescence and adulthood. Regular imaging is essential to assess the condition of the kidneys.

### SKIN:

There may be light colored spots, called hypomelanotic macules, and bumps on the skin of several different types (angiofibromas, cephalic fibrous plaques, shagreen patches, and unguinal fibromas).

## TSC CLINIC

Clinic dedicated to children with TSC

### Team members:

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## What do we do?

Through multi-disciplinary clinic, we aim to deliver coordinated care model to patients with TSC.

### Resources

<https://www.tscanada.ca>

<https://www.tscalliance.org>

<https://tuberous-sclerosis.org>