The Developmental Disorders
Genetics Research Program (DDGRP)

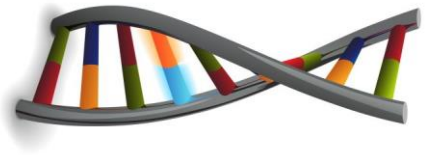
Christianson Syndrome

What Do We Know?

1. Christianson syndrome is caused by genetic changes in a gene on the X-chromosome named Na+/H+ exchanger 6 (also known as SLC9a6).

2. Christianson syndrome may be associated with these symptoms:

Intellectual disability	Ataxia (balance difficulties)
Seizures/Epilepsy	Speech problems
Eye movement problems	Small head
Weight loss	Autistic symptoms



What Do We Want To Know?

Symptoms and Clinical Predictions: What are the symptoms associated with changes in the Christianson syndrome gene? Are there other symptoms that may emerge with adulthood or aging? Can we prevent new symptoms from emerging?

Research

The Developmental Disorders Genetics Research Program (DDGRP) is conducting research on the Christianson syndrome gene.

The long-term goal of this research is to improve our understanding of how the genetic changes associated with Christianson syndrome lead to the symptoms. Through this research, we hope to answer the questions above and develop as much information as possible about the Christianson syndrome gene for families and doctors.

We are inviting boys affected with Christianson syndrome to enroll in this natural history study. Participation in the study consists of a series of interviews and provision of a saliva sample for DNA testing.

Participants are required to have a prior clinical genetic test for changes in the Christianson syndrome gene and also to allow for contact with their doctors and medical record retrieval.

The Developmental Disorders Genetics Research Program

Dr. Eric M. Morrow, MD, PhD

In association with: The Warren Alpert Medical School of Brown University, Bradley Hospital, and Hasbro Children's Hospital

To learn more about our program or to enroll and schedule an interview, contact us:

Phone: 401-432-1608
E-mail: CSNetwork@Lifespan.org

For more information, please visit:

www.ddgrp.org