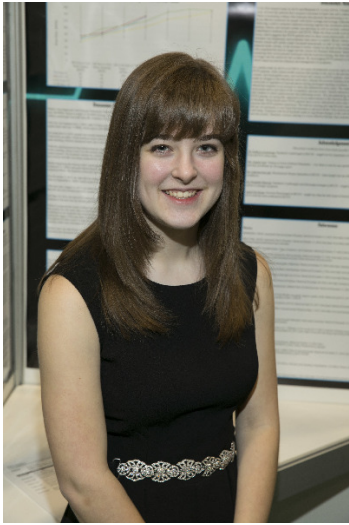


CWSF 2017 - Regina, Saskatchewan



Amy Crandall

A Non-Pharmaceutical Treatment for Postural Orthostatic Tachycardia Syndrome

Challenge: Health

Category: Intermediate

Region: Northern British Columbia

City: Rolla, BC

School: South Peace Secondary

Abstract: Postural Orthostatic Tachycardia Syndrome (POTS), a condition under the term "dysautonomia", describes the dysfunction of the autonomic nervous system. This project compares the treatment effects of physical exertion, beta-blockades, and fludrocortisone by examining two studies conducted by the University of Texas and data collected from personal experience as a POTS patient. The resulting information was combined to determine the most beneficial treatment for POTS patients.

Biography

My name is Amy Crandall, and I am in tenth grade at Dawson Creek Secondary ? South Peace Campus. My favourite subjects are the health sciences, English, and mathematics. In my spare time, I love to write novels while listening to my wide range of music playlists, read, and spend time with loved ones. I've been involved in science fairs for nine years, participated in the Northern BC Regional Science Fair for the past seven years, and am very excited to attend the Canada-Wide Science Fair for the first time. At the 2017 Northern BC Regional Science Fair, I was the recipient of the SCWIST Award and the Second Place Intermediate Project. After being diagnosed with Postural Orthostatic Tachycardia Syndrome (POTS) in June 2014, I decided that I wanted to investigate the cause and possible treatments of this syndrome, as there is no cure. If I have the opportunity in the future, I'd love to study the possible environmental effects that could be associated with POTS. My advice to anyone considering creating a science fair project is to never give up, and to not force any ideas. The answers will come, even if it's at two in the morning.

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