

CWSF 2009 - Winnipeg, Manitoba



Zahra Alisha Merali

Rx Neuropathy

Division: Biotechnology / None

Category: Intermediate

Region: North Bay

City: Corbeil, ON

School: West Ferris S.S.

Abstract: To innovate the world's first transdermal drug to treat diabetic neuropathy, as well as finding an affective way to force diabetics to maintain their feet, consequently preventing amputations. The compounded drug includes Gabapentin, Xylocaine, Zim's Crack Cream and Diffusimax. Preliminary and final studies were done on human subjects, proving that the compounded drug was effective in reducing neuropathic pain in diabetics.

Biography

My name is Zahra Merali. I am 14 years old, and am in grade 10 at West Ferris Secondary School, in North Bay, Ontario. In school, my favourite subjects are Biology, English and Drama. I really like Biology because it's interesting to learn about what really makes us work. I participate in many extra curriculums during school, including sports, student council (I am publicity rep) and drama (I preformed in two plays this year). Out of school, I enjoy doing additional sports like snowboarding. I also enjoy reading and writing in my free time. I participate in numerous volunteer activities, one of the main ones being an apprentice snowboard instructor at the Laurention Ski hill. I also volunteer for various cancer walks and other causes. In the past, I have won awards such as Valedictorian, Highest Academic Achiever and various other science fair related awards. I have always been extremely interested in health sciences, because I find it intriguing to learn how complex our universe really is. In the future, I hope to be a doctor, because I want a career in which I will be helping people, and always be learning new things.

Awards

Value

Honourable Mention - Biotechnology & Pharmaceutical Sciences Intermediate Sponsor: Youth Science Canada	\$100
Total	\$100