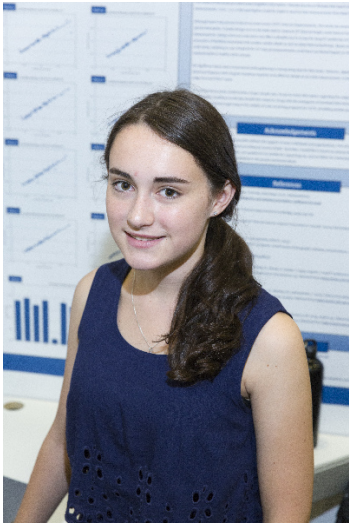


# CWSF 2018 - Ottawa, Ontario



## Jana Steyn

### Between The Q & T

**Challenge:** Health

**Category:** Intermediate

**Region:** Cariboo Mainline

**City:** Kamloops, BC

**School:** St Ann's Academy

**Abstract:** This project looks at the effect of lead choice on the accuracy of QT interval measurements in normal electrocardiographs from women. Electrocardiographs are tests that graph heartbeats by recording the electrical impulses from your heart through leads. QT intervals are measured from electrocardiographs. The leads provide twelve measurements of the QT interval. The purpose of this project was to see which lead was most accurate.

### Biography

Hi There! My name is Jana Steyn. I was born in Bloemfontein, South Africa and currently live in Kamloops, BC. I love to read, write, paint, bike, and listen to music. The inspiration for my project came from online research and curiosity. I hope that the results of my study can be applied to EKG interpretation techniques and also plan to continue my research over the next few years. At the regional fair, I was awarded the prizes for the best life science project, the best intermediate project, as well as the 2018 SCWIST award for women in science, and a gold medal. The best advice I could give to other students thinking about doing a project is to start early and to pick a unique project that you are passionate about. In the future, I plan to pursue a career in medicine, specifically fertility technologies or forensic science.

### Awards

### Value

The Actuarial Foundation of Canada Award - Intermediate Sponsor: The Actuarial Foundation of Canada	\$750
Excellence Award - Intermediate - Gold Medal Sponsor: Youth Science Canada	
Challenge Award - Health - Intermediate Sponsor: Youth Science Canada	
Western University Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: Western University	\$4 000
<b>Total</b>	<b>\$4 750</b>