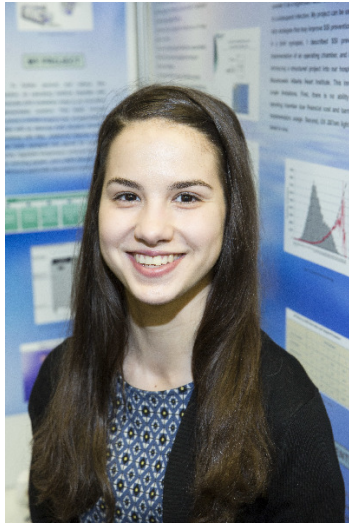


# CWSF 2014 - Windsor, Ontario



## Tamara Radovic

### Operating Chamber as Prevention to Surgical Site Infection

**Challenge:** Health

**Category:** Intermediate

**Region:** Edmonton

**City:** Edmonton, AB

**School:** Archbishop MacDonald H.S.

**Abstract:** Health care in Alberta, Canada and worldwide continues to battle with the surgical site infection or SSI. This problematic impurity is when an infection starts to develop at or near an incision. To further prevent and reduce this infection, an operating medical chamber with ultraviolet (UV) irradiation is my innovative approachable solution.

#### Biography

My name is Tamara Radovic and I am presently in grade ten, studying at Archbishop MacDonald H.S. I was born and grew up in Edmonton, Alberta. Currently I am enrolled in grade 7 piano class of music school and I have been involved in dance for 13 years. Jazz, Ballet, Contemporary, Hip-hop, and Modern have built me as a person and my character. In my school life, I enjoy science and math class. In my community, I work as a swim instructor and I am a costume interpreter volunteer for city of Edmonton. My project "Operating Chamber as Prevention as SSI" is an innovative approachable solution. To further prevent and reduce surgical site infection, an operating medical chamber with ultraviolet (UV) irradiation is possible solution. Surgical site infection could be reduced and this awareness will lead to an obliteration of an unnecessary impurity. In 2012, more than 538,000 Canadians had priority surgical procedures and specialized treatments, according to the Canadian Institute for Health Information (CIHI).

#### Awards

#### Value

Excellence Award - Intermediate - Bronze Medal Sponsor: Nuclear Waste Management Organization	\$100
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
<b>Total</b>	<b>\$1 100</b>