

# CWSF 2005 - Vancouver, British Columbia



## Butterflies and Knees

**Division:** Health Sciences

**Category:** Junior

**Region:**

**City:** ,

**School:**

**Abstract:** The butterfly movement of a goalie can cause knee injuries. Tests discovered the effects of torque, force, and overextension on the knee. It was found that torque and force were likely to cause injuries but overextension of the knee was less likely. Ways to prevent these injuries were developed.

Awards	Value
The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	\$1 500
Silver Medal - Health Sciences - Junior Sponsor: Canadian Institutes of Health Research	\$700
Total	\$2 200