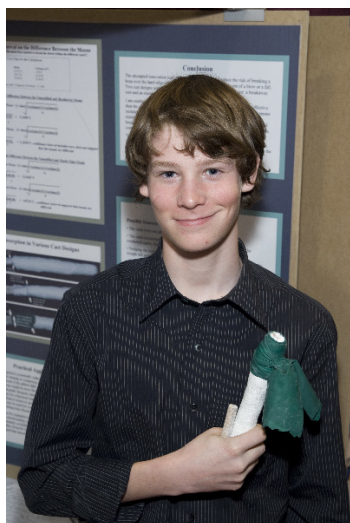


CWSF 2008 - Ottawa, Ontario



Jonas Ordman

Cast Innovation: Reducing the Risk

Division: Health Sciences / None

Category: Junior

Region: Calgary Youth

City: Calgary, AB

School: Calgary Jewish Academy

Abstract: A risk exists in wearing a cast while playing sports: you could break your arm at the edge of the cast if you fall. I designed and tested two cast innovations to see if I could increase the force necessary to break a "bone simulant" (wood dowel) casted within. One of these, the elastic-edge cast, was successful and could reduce the risk for cast-wearers.

Biography

My name is Jonas Ordman. I am from Calgary, Alberta. I was born on August 2nd, 1995. My parents are Robert and Elizabeth Ordman. I have two siblings, an older and a younger sister. I attend grade seven at the Calgary Jewish Academy. I have many hobbies such as ski racing, volleyball, basketball, badminton and soccer. This winter, I trained 90 days on snow with the Kananaskis Alpine Ski Club. During the summer I go to Vernon, B.C. to relax around my cabin on the lake. I am beginning to increase my skill in water skiing due to my time on the lake. I enjoy reading and cannot go to sleep without reading. I enjoy listening to music of all sorts and hanging around with my friends. I have also begun my training for my Bar Mitzvah on October 18th 2008. I have participated in a Science Fair once before this year. I am interested in biology and hope to become an Orthopaedic Surgeon when I join the work force. I am hoping that I will be able to use the help of the University of Calgary to help me make my design of a safer cast a reality.

Awards

Value

The Actuarial Foundation of Canada Award - Junior	\$500
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Engineering - Junior Sponsor: Youth Science Foundation Canada	\$300
Total	\$1 800