

## CWSF 2005 - Vancouver, British Columbia



### Adam Sinasac, Anna Maeva

#### Hard As Nail

**Division:** Health Sciences

**Category:** Senior

**Region:** Windsor

**City:** LaSalle, ON, Windsor, ON

**School:** Sandwich Secondary School, Vincent Massey

**Abstract:** We studied and developed methods for quantitative characterization of hard biological tissue, in particular nail. Using ultrasound, we found correlations between physical and acoustical parameters of nails and their health status. We then attempted to create reliable criteria for quantitative analyses of fingernails to provide accurate diagnosis of various diseases.

Awards	Value
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Health Sciences - Senior Sponsor: Canadian Institutes of Health Research	\$300
Total	\$1 300