

## CWSF 2006 - Saguenay, Québec



### Sadaf Bahaza, Arvind Devanabanda

#### Flow Simulation of L-Coronary Artery

**Division:** Life Sciences

**Category:** Senior

**Region:** Toronto

**City:** Toronto, ON

**School:** Marc Garneau Collegiate

**Abstract:** A computational fluid dynamic simulation was performed to establish significant flow differences between atherosclerotic and normal coronary artery models. This simulation examines biological implications and looks at clot formation in block model. After considering current procedures, non-invasive strategies, such as targeted drug delivery and interactions with pulsatile flow were modeled.