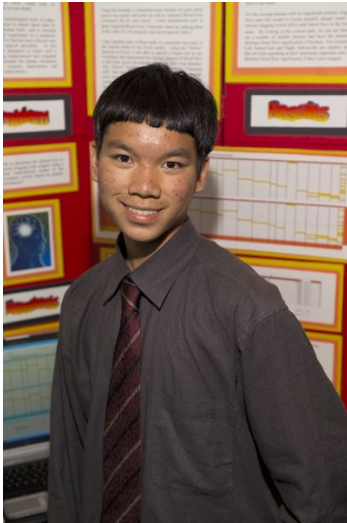


ESPC 2005 - Vancouver (Colombie-Britannique)



Brian Le

Heart & Keystroke: Simulating the Human Circulatory System

Division: Sciences de la santé

Catégorie: Intermédiaire

Région: Bay Area

Ville: Hamilton, ON

École: Westdale Secondary School

Sommaire: To determine the optimal way to relieve arterial clogging using patient-specific information, a computerized model was developed using the characteristics of the main arteries connecting the heart to the brain. This simulated human circulatory system provides doctors with an effective way to perform sensitivity analysis to determine optimal surgical procedures.