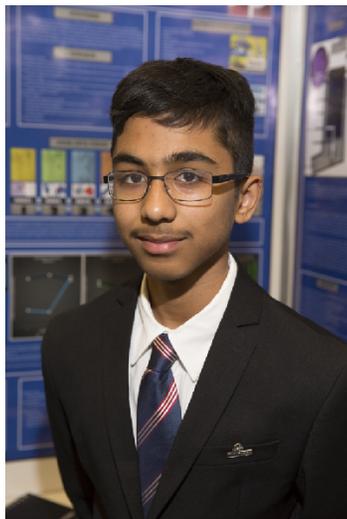


# CWSF 2016 - Montreal, Quebec



## Muhammad Yaseen Abbas

### Put Breaks On Neoplasia

**Challenge:** Health

**Category:** Junior

**Region:** York

**City:** Richmond Hill, ON

**School:** As-Sadiq Islamic

**Abstract:** This experiment was conducted to assess the therapeutic effects of anthocyanins on the morphometry of cells from the oral mucosa and airways of smokers to allow early detection and regression of lung cancer precursors. A dual canister metered dose inhaler was theoretically designed considering the chemical properties and bioavailability of anthocyanins, the anatomy and physiology of the respiratory tract and the practicality of use.

#### Biography

Hi, I am Yaseen Abbas and I am a grade eight student at As-Sadiq School in Thornhill, Ontario. I have huge interest in the field of preventive medicine, and I strongly believe in the statement 'prevention is better than cure'. Today, while health professionals engage in understanding disease processes and therapeutic agents, there is a need to emphasize on the recognition of disease precursors and creation of prophylactic drug formulations. To achieve this, I am actively involved in studying cellular morphometry utilizing non-invasive specimen procurement methods. I conducted my experiment at the Michener Institute, utilizing modern technology and lab equipment. In the future, I hope to work in a pharmaceutical lab for quantitative analysis of my theoretical drug formulation. I further intend to highlight the significance of a mass screening program for lung cancer. Aside from this passion, I enjoy swimming, soccer, and volleyball. I actively participate in volunteer activities at the local community center and other activities within school such as Mathematica and public speaking contests. For future science fair participants, my advice is that science fair is not just about winning. Try to find solutions to the 'unanswered questions' while focusing on the overall impac...

#### Awards

#### Value

Excellence Award - Junior - Bronze Medal Sponsor: Youth Science Canada	
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$1 000