Researchers at the University of Kentucky Department of Otolaryngology – Head and Neck Surgery and the Graduate Center for Toxicology are conducting a research study to gather data on the immediate and long term effects of exposure to cigarette smoke. The goal of this study is to see how exposure to these substances affects the DNA damage response in cheek cells. Information gained from this study will help us better understand the manner in which these substances lead to cancer.

You may be eligible for the study if you:

• Are between ages 18-25 and have either smoked cigarettes for one year and are currently smoking or have never smoked in life
• Are between ages 40-65 and have either smoked cigarettes for a significant period of time and are currently smoking or have never smoked in life
• Do not have cancer diagnosis
• Are fluent in the English language

Participants will be asked to provide a sample of cheek cells, taken by brushing the inside of the cheek.

Study participants will receive compensation in the form of a gift card.

Research Investigators for this study are Tadahide Izumi, PhD, David Orren, PhD, and Joseph Valentino MD

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