

Day 2

Measures of Smoker Uptake

"Chemical"

Smokers who inhale retain over 90% of NO and over 60% of CO in cigarette smoke. Depth of inhalation does not change the percent retention of either gas.

NO₂ was not detected in cigarette smoke exit the cigarette or in exhaled smoke.

Measures of carbon monoxide and nicotine in the human are not good markers of tar uptake. No new markers for tar have been identified. It was suggested that a marker for the nonvolatile portion of tar may be feasible.

Cotinine in saliva shows promise as a simple noninvasive measure of nicotine uptake by smokers

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