ORAL IMPLICATIONS OF TOBACCO AND DRUG USE

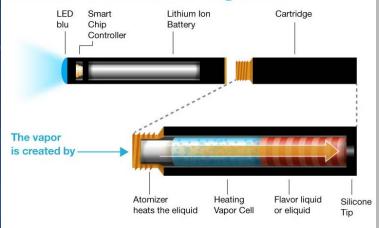
Presented By: Carol Roberton, BS, RDH Pierce College Dental Hygiene Program Feb. 9, 2018

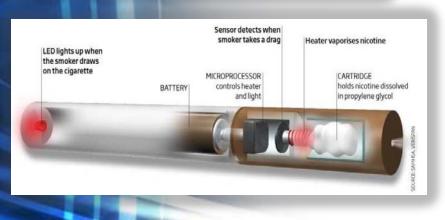
Oral Health Implications of E-Cigarettes, Hookahs & Bidis

What are Electronic

Cigarettes

Inside of Electronic Cigarette





Electronic nicotine-delivery system (ENDS)

A cigarette-like experience via a battery-operated atomizer

Vaporizes liquid-based nicotine from a small cartridge when the user inhales

What are Electronic Cigarettes

Delivers a chemical mixture typically composed of nicotine, propylene glycol and flavorings

concentration in the liquid-filled cartridges can range from nicotine-free loads of 0.0% to as much as 5.4% nicotine

May be a <u>gateway</u> to cigarette smoking!



What are Hookahs

Charcoal

Bow

Plate.

Gasket

Hose

Water jan

Body

Valve

Smoking flavored nicotine through a water pipe

Smoking can last up to an hour--take deeper breaths

May inhale the equivalent of 100 or more cigarettes' worth of smoke within hour

Charcoal used to keep tobacco burning, inhaling Polyaromatic Hydrocarbons (PAH) & Carbon Monoxide (CO) --both have carcinogenic properties





What are Bidis



Small, thin, hand-rolled cigarettes imported from India and other Southeast Asian countries

Tobacco wrapped in a tendu or temburni leaf and secured with a colorful string at one or both ends



3 to 5 tx concentration of nicotine, tar & carbon monoxide than cigarettes

What are Bidis



Do not stay lit consistently, so smokers draw deeply to keep them burning.....

High risk of nicotine addiction Generate toxic second hand



Oral Implications: Electronic Cigarettes

HPV 16 Infection--Sharing e-cigarettes





Oral Implications: Hookahs

Oral Cancer Periodontal Disease Herpes Simplex Hepatitis (B, C)







Oral Implications: Bidis

Oral Cancer Periodontal Disease Dental Decay Stained Teeth Pin-up The Smoker's Body Every 6.5 seconds someone dies from tobacco us

the World Health Organization. Research suggests that people who start smoking in their teens (as more than 70 percent do) and continue for two decades or more will die 20 or 25 years earlier than those who never light up, it is beautify the start of the start of the start of the start health problems and death. Below, some of smoking's les publicized side effects – from lead to toe.

> Need help quitting? Visit WhyQuit.com

Oral Cancer

- 34,000 Americans will be diagnosed with oral cancer this year
- Cause over 8,000 deaths annually
- killing roughly 1 person per hour
 24 hours per day

Oral Health Implications of Methamphetamine and Heroin Addiction





Rapid Onset Acute Disease Process Often Associated With Pain Devastating Consequences





Dry Mouth

Decreased salivation caused by drug toxins

Signs and Symptoms

Smooth, shiny tongue Trouble with speech Trouble swallowing Trouble chewing



Rampant Tooth Decay Destructive disease process of tooth structure

Symptoms Rotting/ "Inside Out" Dark/ Black Pigment In Between Front Teeth cheek side of back teeth



Bruxism/Clenching/Grinding Para-functional habit of the muscles of the mouth

Due to the stimulant nature of drugs

Irreversible Effects



Damaged tooth structure Bone irritated and resorbed



Oral Tissues Ulcers Caustic chemicals and heat of both drugs (if smoking)--traumatic ulcers





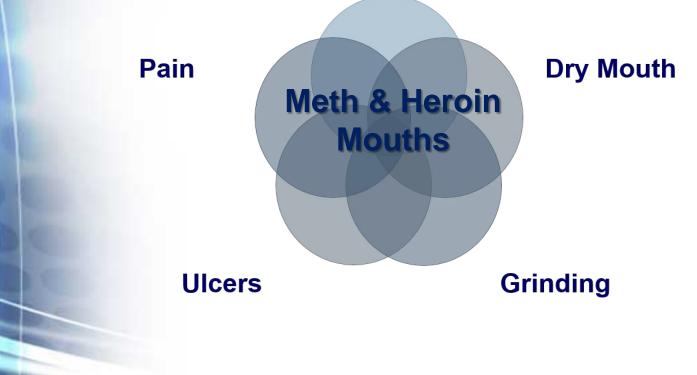
Infections Candidiasis- Thrush Herpes





Meth & Heroin Mouths: A Cascade of Problems!





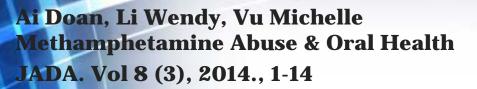
QUESTIONS



Thank You!

Pierce College Dental Hygiene Program





Henry R, Henderson R. The rise of e-cigarettes. *Dimensions of Dental Hygiene.* **2014**;12(5):46–50.

Priscilla Callahan-Lyon <mark>Electronic Cigarettes: Human Health Effects</mark> Tobacco Control 2014; ii23-ii40 doi:10.1136/tobaccocontrol-2013-051470

World Health Organization. Backgrounder on WHO Report on Regulation of E-Cigarettes and Similar Products. Available. Accessed November 3, 2014.

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