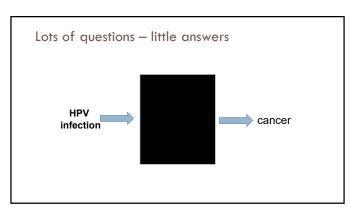
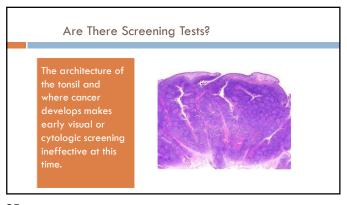


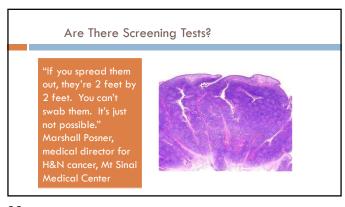
# How Do We Get HPV?

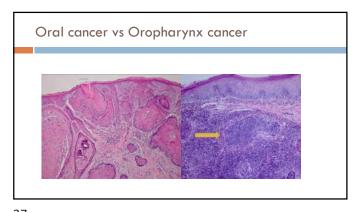


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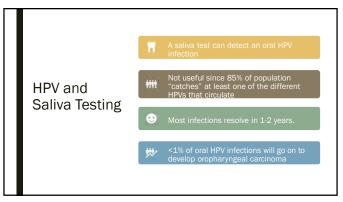






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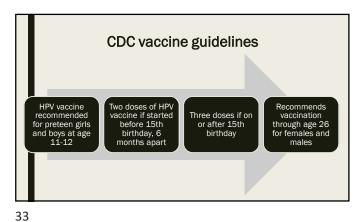


29 30

"There is no FDA-approved test to diagnose HPV in the mouth or throat. Medical and dental organizations do not recommend screening for oral HPV. More research is needed to find out if screening for oropharyngeal cancers will have health benefits. Talk to your dentist about any symptoms that could suggest early signs of oropharyngeal cancer." CDC.gov

HPV and Saliva **Testing** We are uncertain what the natural history of oral HPV infection is and no management protocols have been established.

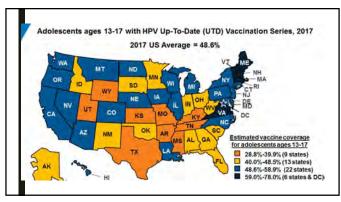
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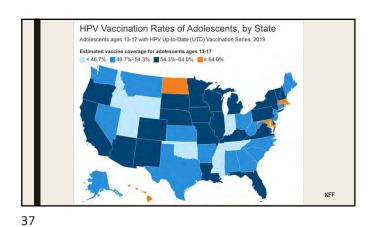


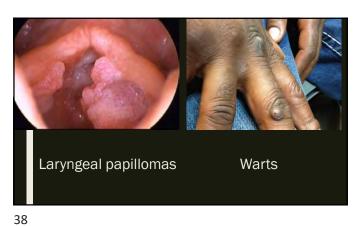
## Should Adults Age 27-45 Get Vaccinated? Vaccination is not recommended for everyone >26 years. Some adults ages 27-45 may decide to get the HPV vaccine based on discussion with their clinician, if they did not get adequately vaccinated when they were younger. HPV vaccination of people in this age range provides less benefit, as more have been already exposed to HPV. Most sexually active adults have already been exposed to HPV, although not necessarily all of the HPV types targeted by vaccination. At any age, having a new sex partner is a risk factor for getting a new HPV infection. People who are already in a long-term, mutually monogamous relationship are not likely to get a new HPV infection. HPV vaccination prevents new HPV infections but does not treat existing infections or diseases.

34

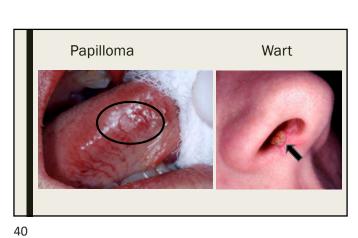
### CDC vaccine guidelines ■ Only the 9-valent HPV vaccine is now Covers HPV 6, 11, 16, 18, 31, 33, 45, 52, 58 In the US, 64% of all HPV-associated cases are attributable to HPV16 or 18 and 10% attributable to 5 additional types: 31, 33, 45, 52, 58GARDASIL 9 HPV 6 and 11 cause 90% of anogenital warts and most cases of recurrent respiratory papillomatosis Bear F



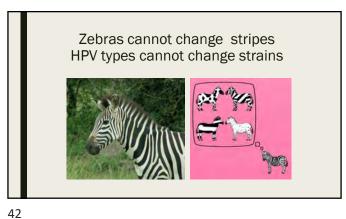








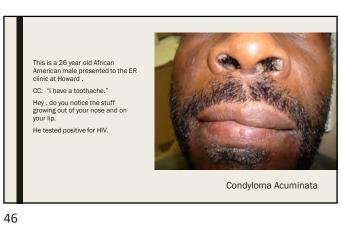


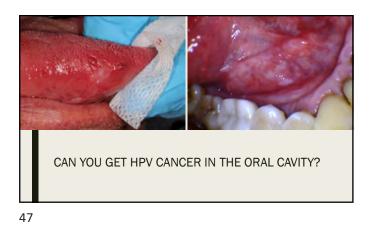


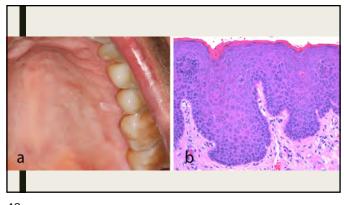


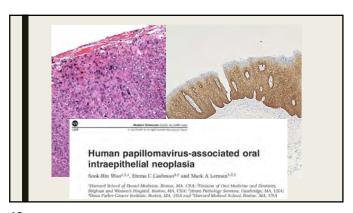


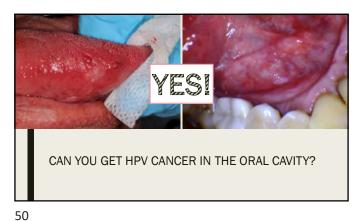


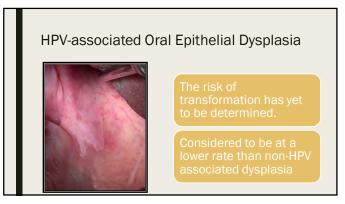












No Current Indication for HPV Testing In Clinical Practice

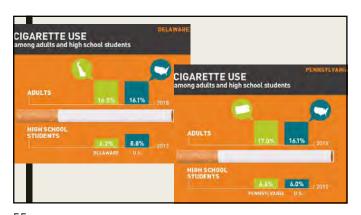
51 52



Head and Neck Cancer Stats

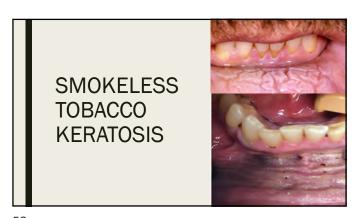
- 650,000 patients worldwide are diagnosed with head and neck cancer each year.
   (53,000 in USA)
- 350,000 die from this disease. (11,000 in USA)
- 90% are squamous cell carcinoma
- The three main causative factors in about 80% of oral, oropharyngeal, and laryngeal carcinomas are smoking and alcohol use and HPV infection.
- In some Asian-Pacific countries, the incidence of cancer of the lip and oral cavity is within the top 3 of all cancers.
- >20% are not related to smoking or drinking.

53 54







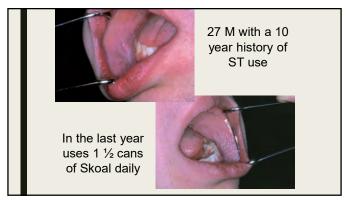


57 58

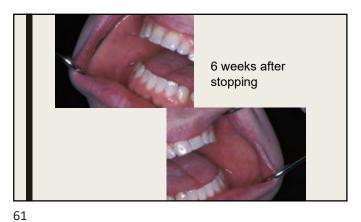
Smokeless tobacco keratosis has a much smaller risk of developing cancer than oral leukoplakia that develops in tobacco smokers.

Smokeless Tobacco

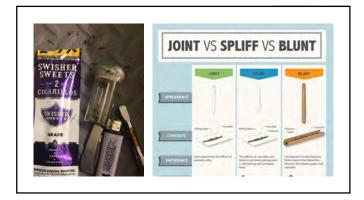
Smokeless tobacco keratosis, after habit cessation, is routinely reversible.

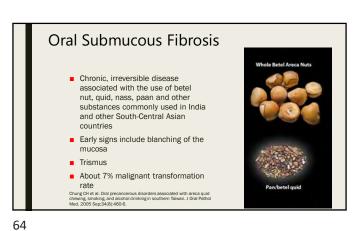


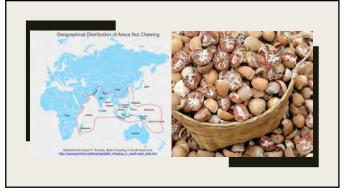
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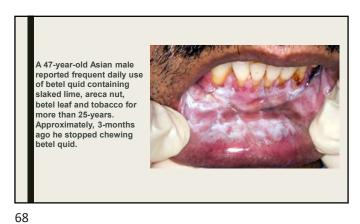








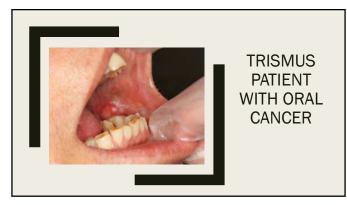












72





#### What is Oral Leukoplakia?

- Leukoplakia is the most common oral precancer (potentially malignant oral lesion)
- 2.6% worldwide prevalence
- Lesions of long duration have a greater risk of malignant transformation than those of short duration
- 70-95% of oral leukoplakias will not progress to malignancy

What is NOT Oral Leukoplakia?

A clinical diagnosis dependent on the exclusion of other lesions that present as white plaques:

cheek/tongue biting

candidiasis

lichen planus

leukoedema

drug reaction

tobacco pouch

keratosis aspirin burn

amalgam reaction

Dr. Susan Muller 10/22/2021

cinnamon reaction

geographic tongue

75

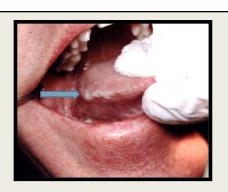
76

#### Cheek Biting

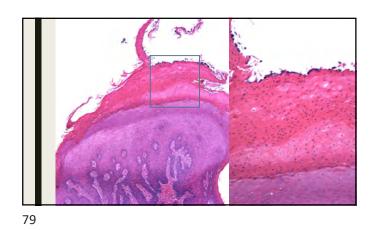
Chronic cheek chewing show thickened, shredded areas with zones or erythema or superficial ulcerations

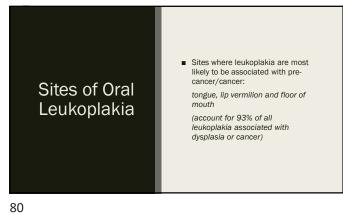


Tongue Biting

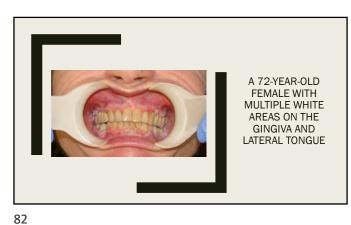


77











what is your diagnosis?

a. Oral Lichen Planus
b. Oral Lichenoid Contact Reaction
c. Mucous Membrane Pemphigoid
d. Oral Candidiasis
e. Lichenoid Dysplasia
f. None of the above

84

#### Proliferative Verrucous Leukoplakia

First described in 1980, it is a clinical mimic of OLP

Patients are often older females with no EtOH or tobacco history

Multifocal lesions with a propensity for the gingiva, palate, tongue, and buccal mucosa

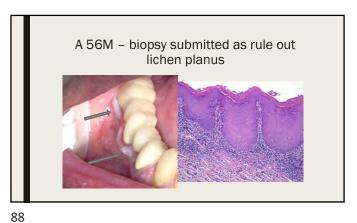


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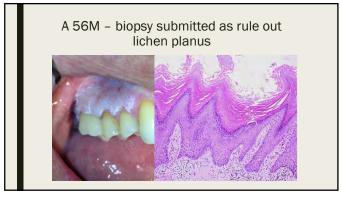


#### Proliferative Verrucous Leukoplakia

- Relentless progression to malignancy -
- Verrucous carcinoma
- Squamous cell carcinoma



87 88





89 90

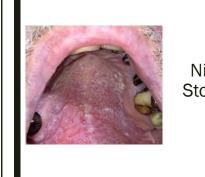




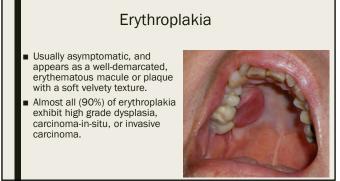
#### Erythroplakia A red patch that cannot be clinically diagnosed as any other condition. ■ Must exclude other red lesions: mucositis drug reaction candidiasis aphthae herpes non-specific ulcer hemangioma pyogenic granuloma

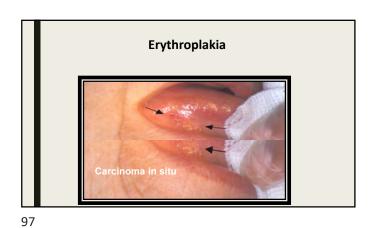
**Nicotine Stomatitis** 

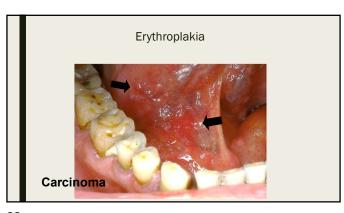
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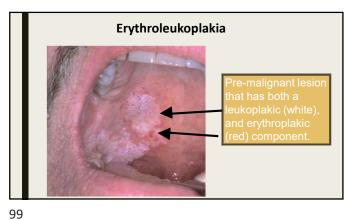


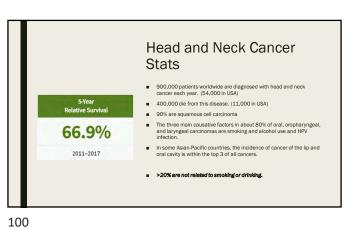
Nicotine Stomatitis





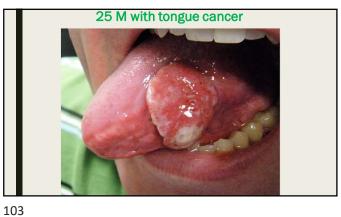




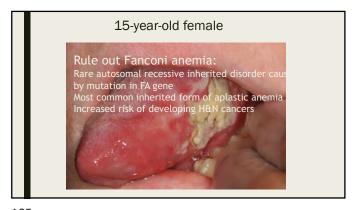






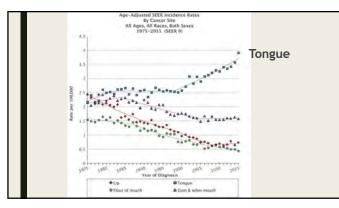








Why? ....is the tongue becoming the most frequent site of OSCC? ....is the tongue the overwhelming site of OSCC in young patients?





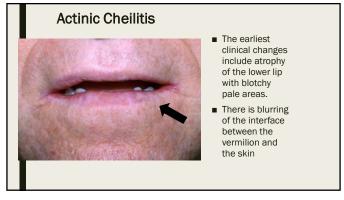


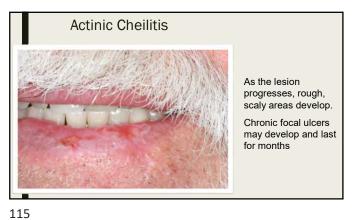


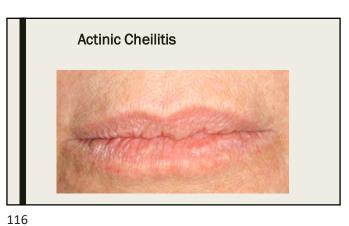


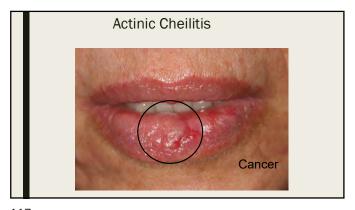
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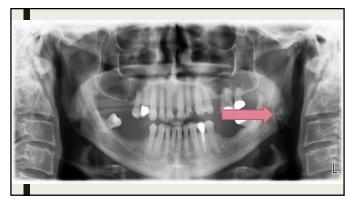




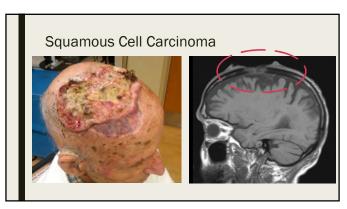


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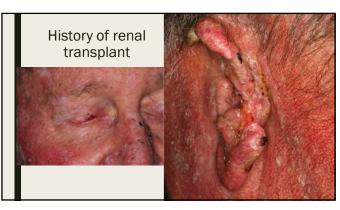




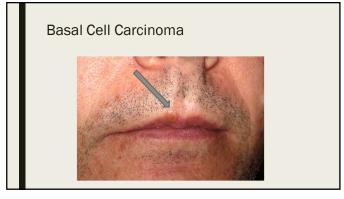




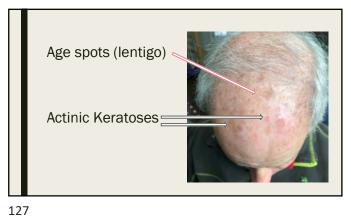




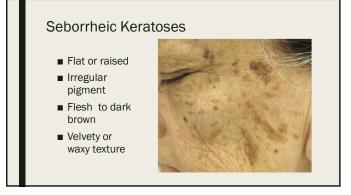
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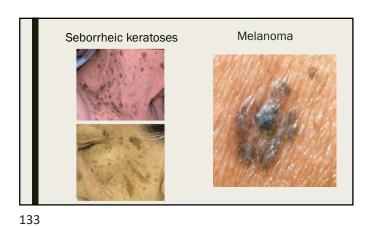














SK/AK VS MELANOMA

Slightly irregular pigment and borders
Waxy surface

Irregular pigment and borders

Melanoma

Primary sites: skin mainly; also oral mucosa, anogenital mucosa, esophagus, meninges, eye, sinus

M:upper back/F:back and legs

A=asymmetry

B=border irregularity (e.g., notching, pigment "spillage")

C=color variegation (brown/black/red/blue/regression)

D=diameter >6mm

E=elevation (not always seen)

135 136

#### Melanoma

- Slightly irregular border
- Darker than other moles on patient
- Present years
- Possible slow growth



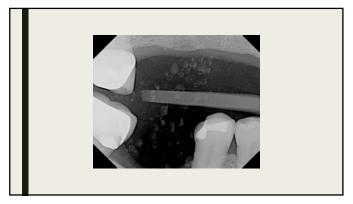
Melanoma

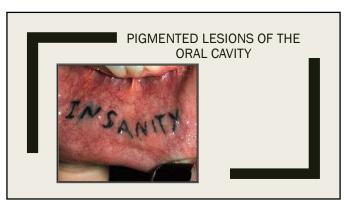
- Malignant neoplasm of melanocytic origin
- Etiology: UV radiation, acute>chronic sun damage
- Risk factors:
  - Fair complexion/blonde or red hair
  - Personal or FHx
  - h/o blistering sunburns in childhood
  - h/o dysplastic or congenital nevus
- Increase in incidence over last 50 years
- Lifetime risk 1/100
- Most deaths due to skin cancer are caused by melanoma

137 138

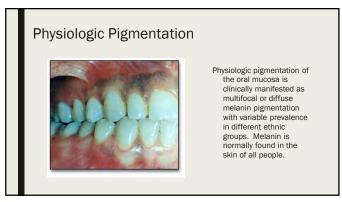


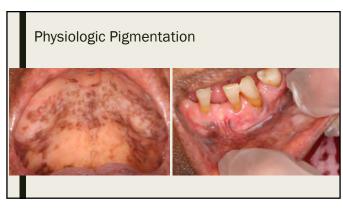


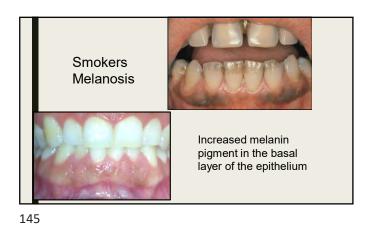


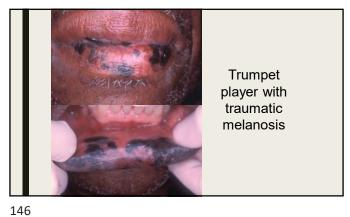


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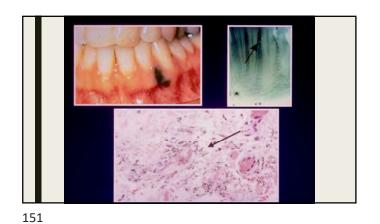
Exogenous Pigmentation

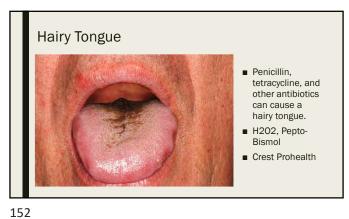


147 148















Melanotic Macule

Unknown etiology
which represents a
focal increase in
melanin deposits

Occurs at any age

Vermilion zone of the
lower lip is the most
common site followed
by buccal mucosa and
palate

155 156

