Home Study Audio 270

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Oral Pathology of Tobacco

(Examination and diagnosis of oral lesions)

AAFP Home Study Self•Assessment



Oral Pathology of Tobacco



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After studying this section of the audio program and booklet, the listener should be able to:

- 1. Perform a systematic inspection and palpation of the oral cavity.
- 2. Identify leukoplakia and distinguish it from erythroplakia.
- 3. Identify snuff dipper's hyperkeratosis, nicotinic stomatitis, and gingivitis.

Introduction.

- 1. Physicians need to be more aware of the oral pathology caused by tobacco use.
- A 1- to 2-minute examination of the tongue, mucosa, palate, tonsils, teeth, and lymph nodes is needed to identify oral
 pathology caused by tobacco.

Extraoral examination.

- 1. Begin the examination by observing the patient's face and how he speaks.
- 2. Look for asymmetry of the face.
- 3. Examine the condition of the neck lymph nodes.
- 4. Check for actinic damage and herpetic lesions of the lips.

Intraoral examination.

- 1. Use latex gloves and a strong light source (a gooseneck lamp or head lamp). Penlights do not produce enough light, and they tie up 1 hand.
- 2. Begin the intraoral examination at the vermilion border.

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Topic Two: continued

- 3. First, have the patient grit her teeth. Examine the gingiva and frenulum above the teeth. Repeat this in the mandible area. Run you'r finger along the gums to detect irregularity.
- 4. Second, use a gauze sponge to dry and manipulate the tongue. Examine both sides and underneath the tongue with the help of a mouth mirror or tongue depressor. Examine any suspicious lesions last, so that you have a better sense of the appearance of normal tissue.
- 5. The lateral aspect of the tongue is the most common site in the mouth for leukoplakia, a possible precancerous lesion most often seen in people who use tobacco.
- 6. Examine the hard palate, soft palate, pharynx, and tonsils.

Tobacco and oral pathology.

- 1. The vast majority of oral lesions are caused by cigarette smoking; chewing tobacco and snuff also cause lesions.
- 2. The ratio of oral cancer in men to women is 2:1.
- 3. There has been an increase in oral cancer in women that correlates with the increase in women smoking.
- 4. There are 30,000 cases of oral cancer per year, and more than one third of those die as a result.

Leukoplakia.

- 1. Leukoplakia appears rugated, does not feel smooth, and cannot be scraped off like candida. It is white, white-gray, or yellow-gray in color.
- 2. As many as 1 in 5 cases of leukoplakia progress to cancer.
- 3. The first step in treating leukoplakia is to stop the causal activity. The vast majority of leukoplakia is caused by tobacco. Chronic trauma also may cause leukoplakia.
- 4. Leukoplakia usually regresses if the causative agent is withdrawn.

 ${\it Erythrop lakia}.$

- 1. Erythroplakia is a red, inflamed, velvety, granular, or smooth patch.
- 2. If it persists for longer than 2 weeks, erythroplakia must be biopsied.
- 3. The most ominous erythroplakia lesions are those that are both white and red in color.

Snuff dipper's hyperkeratosis:

1. Snuff dipper's hyperkeratosis is the most common lesion found in users of spitting tobacco.

- 2. The tongue must be moved to see the lesion.
- 3. The lesion is a rugated, dried, pale patch of mucosa. It has a cobblestone appearance with a red dot appearing in the middle of each nodule. It feels rough to the touch.

Nicotinic stomatitis.

- 1. Nicotinic stomatitis is seen frequently in people who smoke pipes but also may be seen in those who smoke cigarettes and cigars.
- 2. The palate is hard, thickened, and gray. It looks papular with central red punctations.
- 3. Nicotinic stomatitis reverses when the cause is removed.

Gingivitis and periodontitis.

- 1. One of the most common effects of tobacco use is the weakening of the gingival tissue.
- 2. Gingivitis can progress to periodontitis, and then to erosion of the tooth root, dentin, and cementum.
- 3. Acute necrotizing ulcerative gingivitis is a bacterial infection associated with poor dental hygiene and is more common in homeless and immunosuppressed patients. Tobacco is not a direct cause.

Suggested Reading

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