Oral Health for USMLE Step One

Section 2: Oral Lesions



Lesions

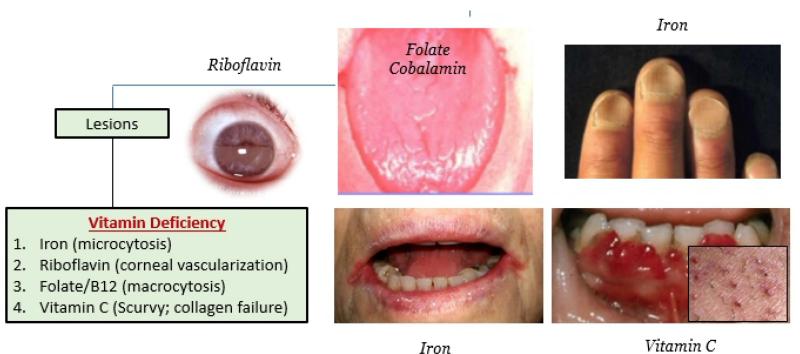
- 1. Viral
- Bacterial
- Fungal
- 4. Vitamin Deficiency
- Autoimmune
- 6. Medication Induced
- 7. Precancerous
- 8. Malignant Neoplasms



Olivia Nuelle, Medical School Class of 2022
University of Massachusetts Medical School
<u>Faculty Adviser</u>: Hugh Silk, MD
<u>E-mail</u>: Howard@12DaysinMarch
www.12DaysinMarch.com

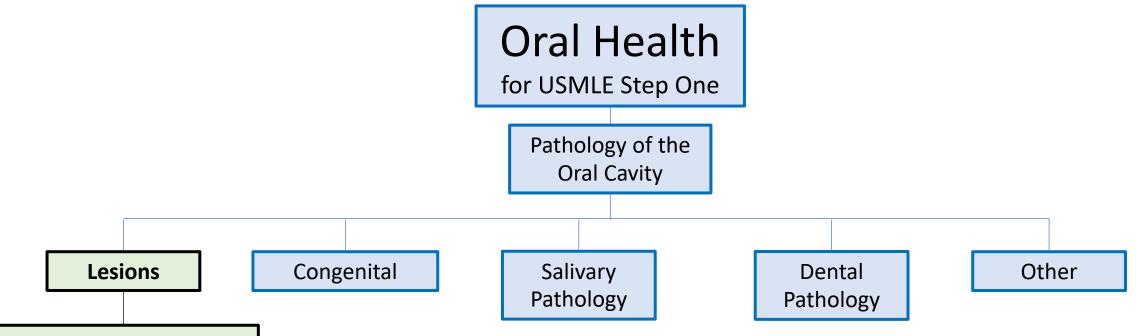
Oral Health for USMLE Step One

Section 2: Oral Lesions

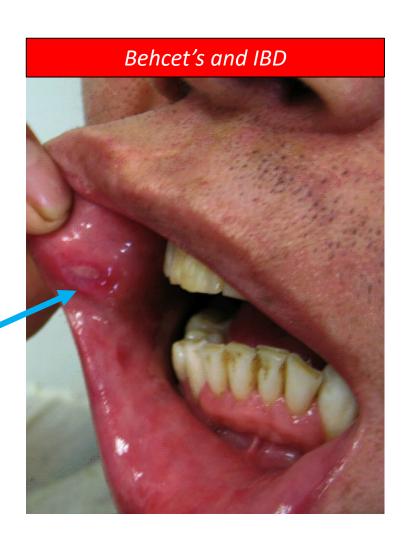


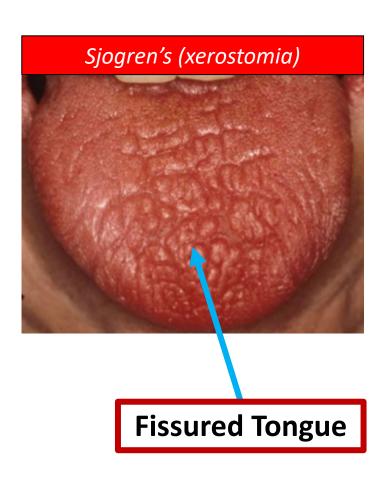
Riboflavin (Fungus)





- 1. Viral
- 2. Bacterial
- 3. Fungal
- 4. Nutritional Deficiency
- 5. Autoimmune
- 6. Medication Induced
- 7. Precancerous
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Aphthous Ulcers

'Canker sore'

- Single lesion
- Absence of systemic symptoms



Aphthous Ulcers



Behcet's (triad)

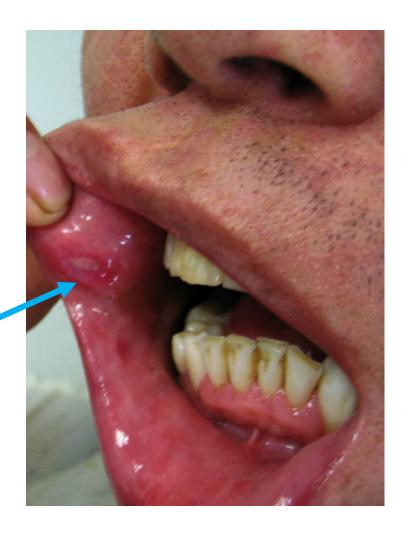
- 1. Recurrent aphthous ulcers
- 2. Genital ulcers
- 3. Uveitis





Aphthous Ulcers

Uveitis



Behcet's (triad)

- 1. Recurrent aphthous ulcers
- 2. Genital ulcers
- 3. Uveitis

Immune complex vasculitis

Aphthous Ulcers

Behcet's (triad)

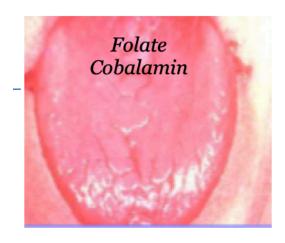
- 1. Recurrent aphthous ulcers
- 2. Genital ulcers
- 3. Uveitis



Aphthous ulcers are the oral manifestation of these two multisystem inflammatory disorders

Inflammatory Bowel Disease (IBD)

- Diarrhea
- Hematochezia
- Abdominal pain





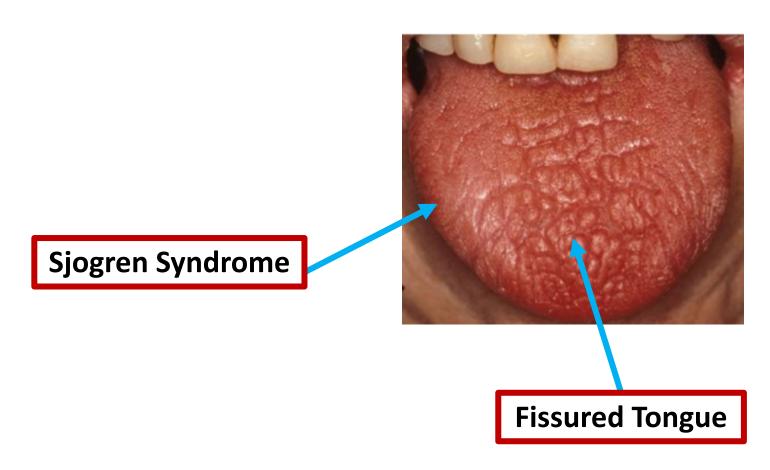
Iron Riboflavin (Fungus)

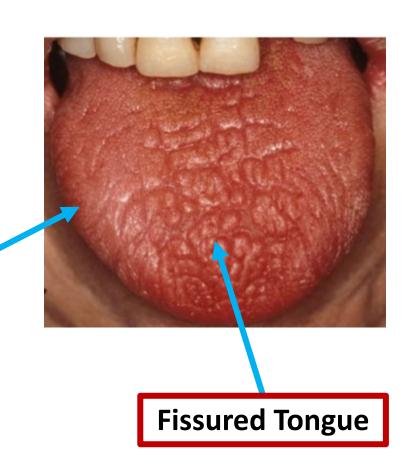


Aphthous ulcers are the oral manifestation of these two multisystem inflammatory disorders

Inflammatory Bowel Disease (IBD)

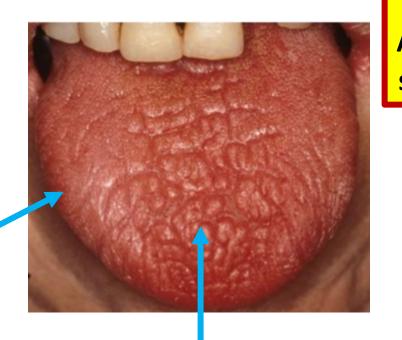
- Diarrhea
- Hematochezia
- Abdominal pain





Sjogren Syndrome

- Dry Eyes
- Dry Mouth
- Nonerosive Arthritis



Pathology:

Autoimmune destruction of salivary and lacrimal glands

- Dry Eyes
- Dry Mouth
- Nonerosive Arthritis

Sjogren Syndrome

Fissured Tongue 2° to **Xerostomia**

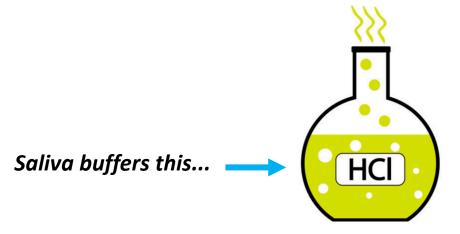




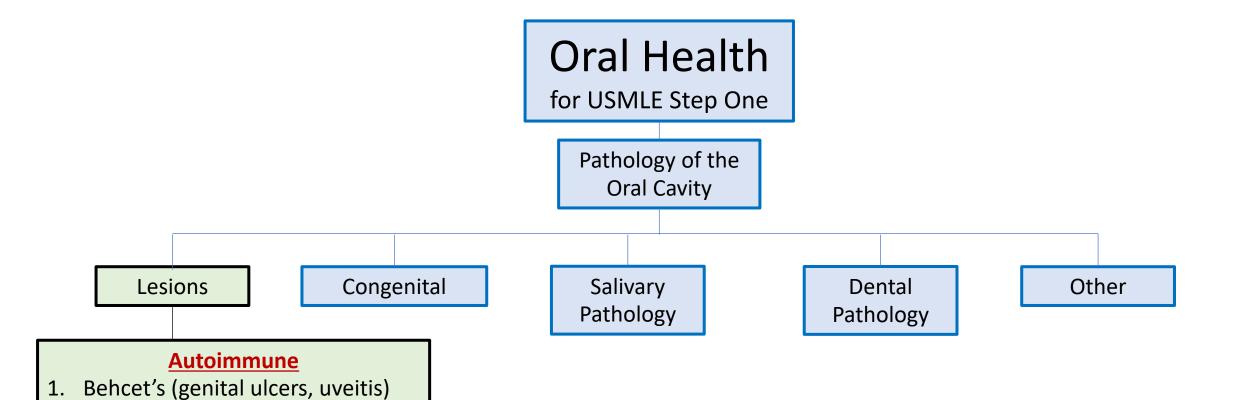
Pathology:

Autoimmune destruction of salivary and lacrimal glands

- Dry Eyes
- Dry Mouth
- Nonerosive Arthritis

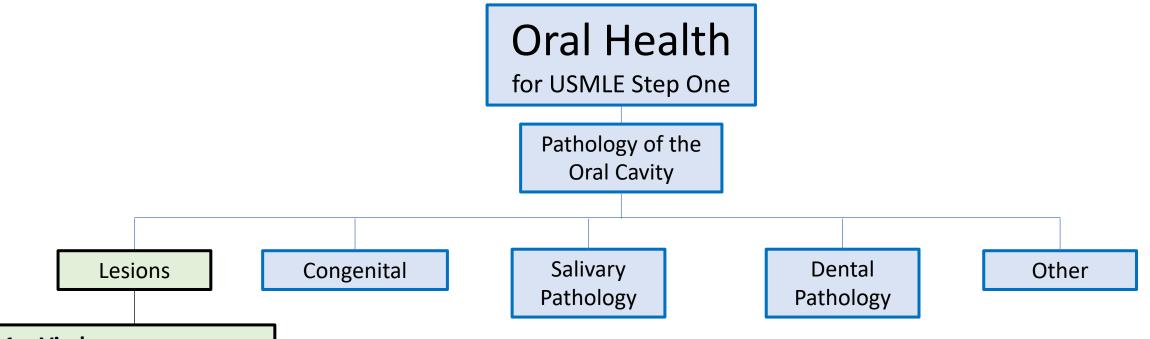


SSA & SSB (SJOGREN'S) Antibodies Ref Range & Units Value Sjogren'S Antibody <1.0 NEG AI <1.0 NEG Sjogren'S Antibody <1.0 NEG AI 5.5 POS



IBD (diarrhea)

Sjogren's (xerostomia, arthralgia)



- 1. Viral
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Erythema Multiforme

Medication Induced Lesions of the Oral Cavity



Stevens-Johnson syndrome



Erythema Multiforme

Medication Induced Lesions of the Oral Cavity

Targetoid lesions



Mosby's Medical Dictionary, 9th edition. © 2009, Elsevier.

Lesions on skin (acral) and oral mucosa Acute onset, self-limited

Medication Induced Lesions of the Oral Cavity

- Blistering skin, erosions and skin pain
- Oral lesions: sloughing/crusting in 100%
- Ocular lesions (conjunctivitis) commonly present
- Fever
- High mortality rate





Stevens-Johnson syndrome

- Blistering skin, erosions and skin pain
- Oral lesions: sloughing/crusting in 100%
- Ocular lesions (conjunctivitis) commonly present
- Fever
- High mortality rate
- Medications: Allopurinol, Seizure Drugs, NSAIDs
- Days to weeks after exposure



Medication Induced Lesions of the Oral Cavity



Stevens-Johnson syndrome

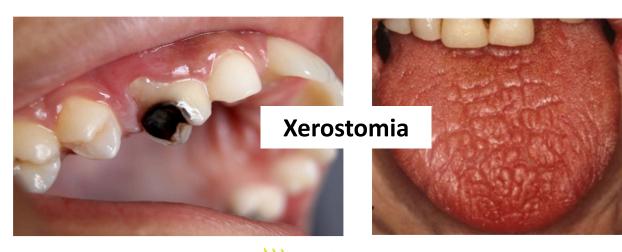
Oral Health

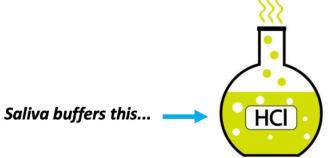
for USMLE Step One

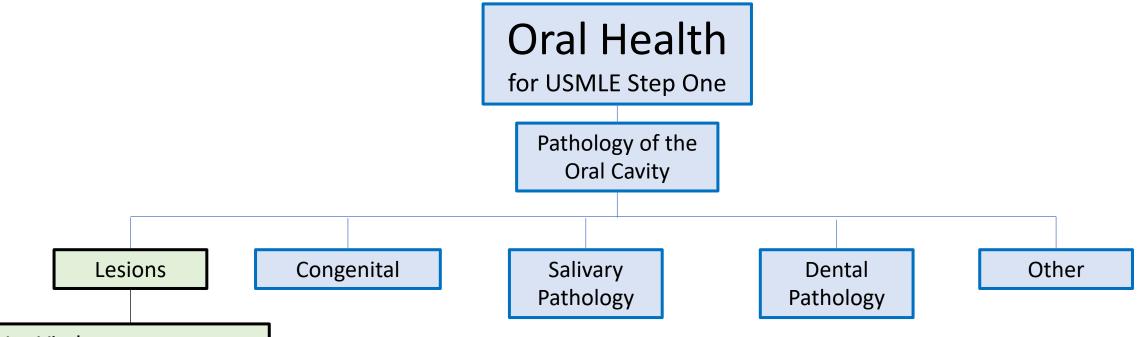
Pathology of the Oral Cavity



- 1. Viral
- 2. Bacterial
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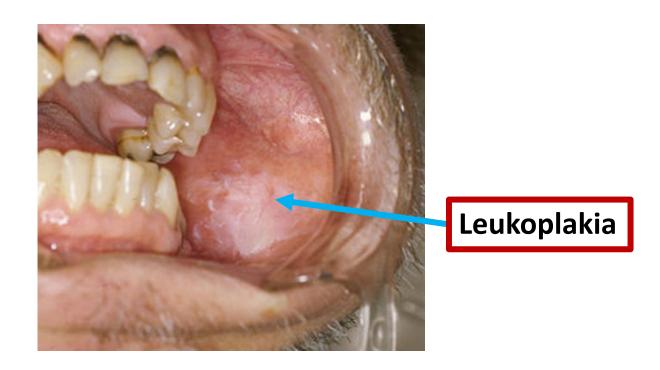






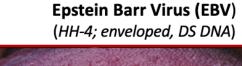
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Precancerous Lesions of the Oral Cavity



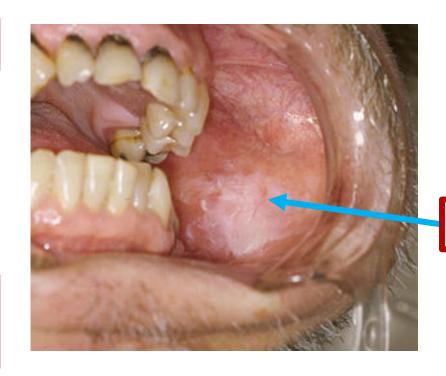
- White plaque with well-demarcated borders
- CANNOT be removed
- CAN be found anywhere in the oral cavity

Precancerous Lesions of the Oral Cavity



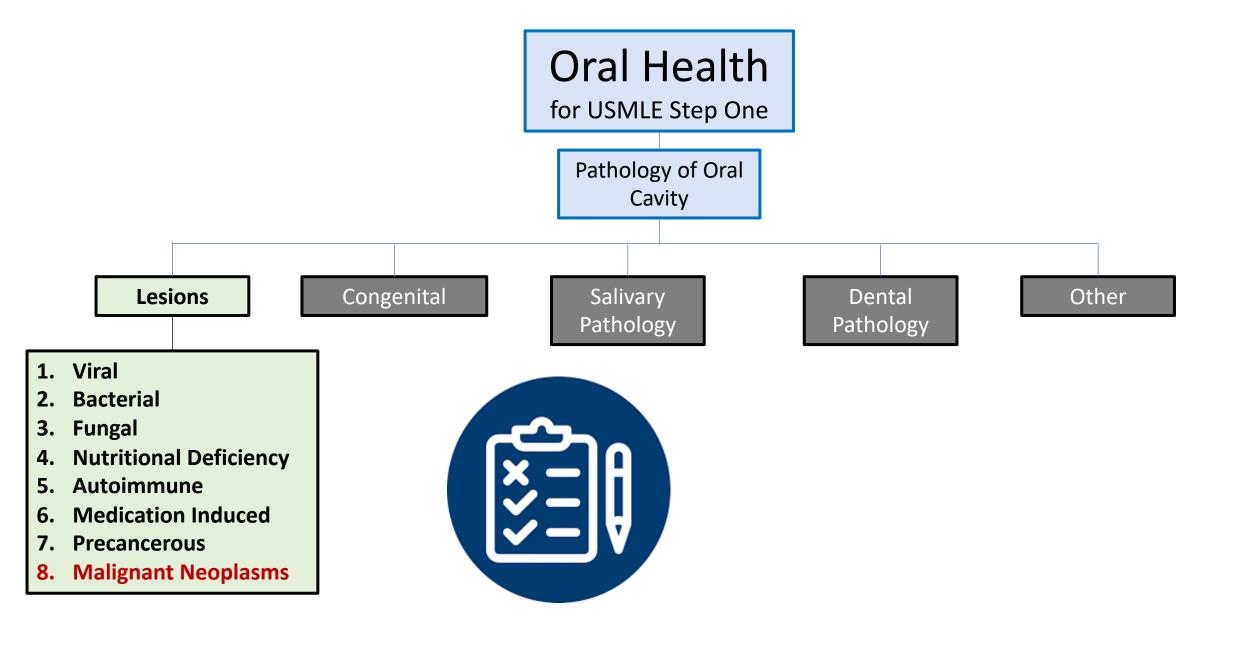


- **Oral Hairy Leukoplakia**
- White plaque on the lateral tongue
- CANNOT be scraped off
- Benign



Leukoplakia

- White plaque with well-demarcated borders
- CANNOT be removed
- CAN be found anywhere in the oral cavity



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