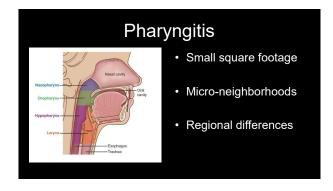
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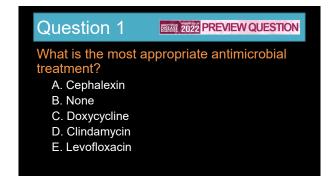






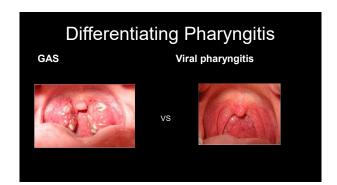


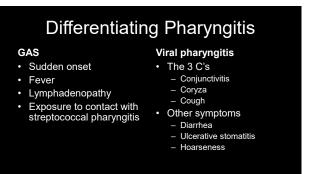
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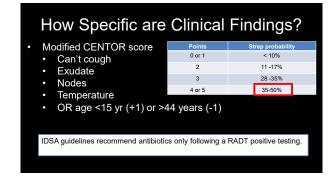


Group A streptococcus

- AKA Streptococcus pyogenes
- (C) (S)
- 5-15% sore throats in adults
- Usually self-limited infection (even untreated)







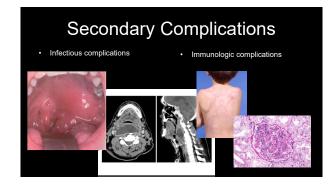


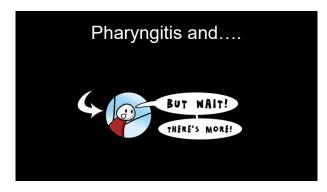
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Laboratory Diagnosis • Adults:

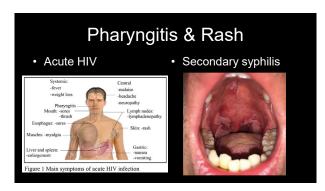
- RADT screen, if negative, culture optional
- · ASO titer or Anti-DNAse B antibodies
 - helpful in diagnosis of rheumatic fever and post-streptococcal glomerulonephritis, but not for strep pharyngitis.

Treatment for GAS Pharyngitis • First line: - Oral Penicillin or amoxicillin x 10 days Penicillin Penicillin Indiamycin, macrolides (+/-) - Not recommended: tetracyclines, sulfonamides, fluoroquinolones

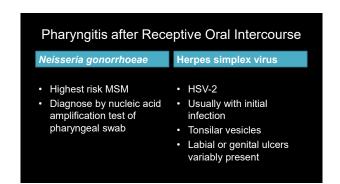




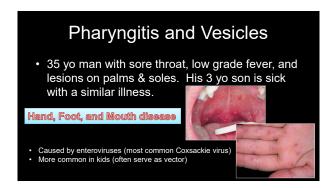


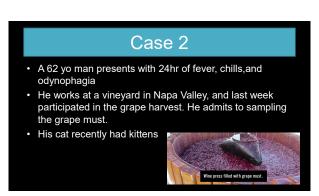


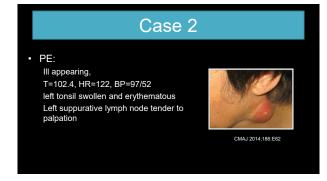
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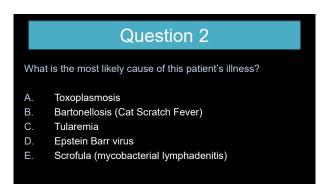












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Oropharyngeal Tularemia

- · Uncommon in the US
- Transmission through ingestion (or rarely inhalation)
 - Inadequately cooked game
 - Contaminated water
 - Rodent contamination
- · Exudative tonsillitis, suppurative LAN
- · Treatment: streptomycin, doxycycline or quinolone

Pharyngitis and Chest Pain

 20 yo college student with sore throat, fever and chills. Despite oral amoxicillin, develops new onset of cough and pleuritic CP; CT below

Lemierre syndrome

- Septic phlebitis of internal jugular vein
- Often follows GAS pharyngitis or mono (EBV)
- · Classic cause is Fusobacterium necrophorun
- Causes septic pulmonary emboli



Pharyngitis & TNF-alpha inhibitors

 69yo man on infliximab presents with 2 months of painful oral ulcer and 20 lb wt loss

Oropharyngeal Histoplasmosis

- Can mimic oral malignancy
- Denotes disseminated disease



Extra-Tonsillar Infections: 1

- · Epiglottitis
 - Fever, sore throat
 - Hoarseness, drooling, muffled voice, stridor
 - Examine with care!
 - Lateral neck x-ray: Thumb sign
 - H. influenzae type B, pneumococcus



Extra-Tonsillar Infections: 2

- · Vincent Angina
 - AKA Trench mouth
 - AKA acute necrotizing ulcerative gingivitis
 - Bad breath (mixed anaerobes)
 - Painful
 - Sloughing of gingiva

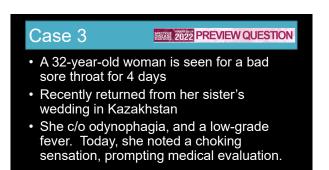


Extra-Tonsillar Infections: 3

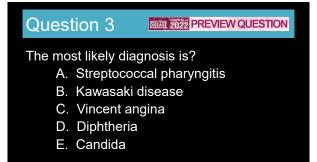
- Ludwig Angina
 - Cellulitis of floor of the mouth
 - Often starts with infected molar
 - Rapid spread with potential for airway obstruction
 - Fevers, chills, drooling, dysphagia, muffled voice, woody induration of neck
 - Mixed oral organisms



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Other clues • Location, location, location - Almost unheard of in developed countries (vaccination) - Still an issue (high mortality) in developing world • Sore throat and myocarditis (~25%). • Sore throat and neuropathies (~5%). • Sore throat and cutaneous ulcer



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