Michigan Quality Improvement Consortium Guideline

FIMQIC Acute Pharyngitis in Children (3 years and older), Adolescents and Adults

Components Circle Strep Participant Etiologies Viruses account for about 70% of pharyngitis in children and 90% in adults. Consider COVID-19 in certain clinical accounts for 15-30% in children and 5-10% in adults. Less common etiologies: Groups C and G Strep, Epste Archanobacterium haemolyticum, mycoplasma, chlamydia, Fusobacterium necrophorum. Diagnosis Factors favoring GABHS: 5-15 years old, winter or early spring, Strep exposure, fever, sudden onset severe so of cough, tonsilitits, tonsillar exudate, beefy red swollen uvula, palatal petechiae, tender enlarged anterior cerv pain/nausea especially in boys. Signs and symptoms of Strep vs. non-Strep overlap broadly. Consider a scoring system ^{1,2} to exclude low-risk p Suspected Strep must be confirmed by Rapid Strep Antigen testing, swabbing both tonsils and posterior pharyr Negative Rapid Strep testing should be validated by PCR or Strep culture. [Note: In most cases, "Strep culture" is complete "Throat culture".] Treatment of GABHS Decision to treat with antibiotics should be based on test results. If clinical judgment is to initiate treatment prior to discontinued if culture is negative. Counsel re: contagion, hand washing, hygiene, and need to complete full 10-day antibiotic regimen. Provide sym soft foods, saltwater gargles, lozenges and analgesics (no aspirin < 21 years old). If asymptomatic after 10-day treatment, there is no need to re-culture or re-treat (except in patients with history of Testing or empiric treatment of saymptomatic contacts is not recommended. Preferred Treatment for Strep Pharyngitis (must complete full course of one of the following to reduce Rhee Penicillin V, oral: Children: 250 mg twice daily	n-Barr Virus, <u>N. gonorrhoeae</u> , <u>C. diphtheriae</u> , e throat, severe pain on swallowing, absence cal nodes, scarlatiniform rash, abdominal atients. x. sufficient (GABHS vs. No Strep), rather than culture results, treatment should be tomatic treatment: rest, non-acidic fluids, Rheumatic Fever).
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Consider: non-adherence, viral etiology in Strep carrier (would explain positive culture), antibiotic resistance, Infe GABHS), peritonsillar or retropharyngeal abscess (requires prompt ENT evaluation).	ctious Mononucleosis (can co-exist with
Strep ComplicationsRisk of rheumatic fever is greatly reduced if antibiotics started within 9 days after symptoms began (allowing time antibiotics). There is no need to test or treat asymptomatic household contacts unless the index case has Rhe poststreptococcal glomerulonephritis, poststreptococcal reactive arthritis, toxic shock syndrome, peritonsillar and 	umatic Fever. Other complications include:
autoimmune neuropsychiatric disorder associated with group A streptococci (PANDAS), mastoiditis.	
¹ <u>Centor Score (Modified/McIsaac) for Strep Pharyngitis</u> ³ <u>https://www.cdc.gov/groupastrep/diseases-hcp/s</u>	ep-throat.html#treatment
² Michigan Medicine Quality Department Guidelines for Ambulatory Clinical Care: Pharyngitis	
evels of Evidence for the most significant recommendations: A = randomized controlled trials; B = controlled trials, no randomization; C = observation	
his is based on several sources, including: Clinical Practice Guideline for the Diagnosis and Management of Group A Streptococcal Pharyngitis: 2012 L nd the American Heart Association: Prevention of Rheumatic Fever and Diagnosis and Treatment of Acute Streptococcal Pharyngitis (<u>Circulation</u> 2009; atient considerations and advances in medical science may supersede or modify these recommendations.	