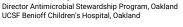
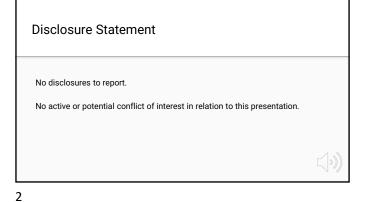
Community Acquired Pneumonia

Prachi Singh, DO Assistant Professor, Pediatric Infectious Diseases Director Antimicrobial Stewardship Program, Oakland

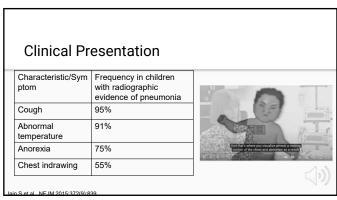


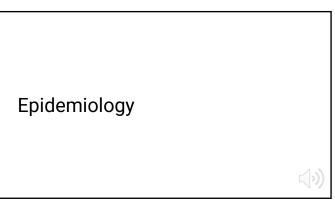
Pediatric Nurse Practitioners-

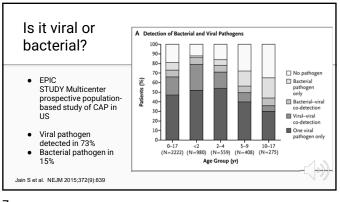


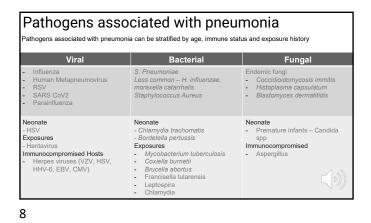


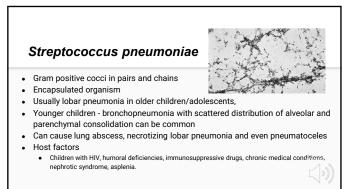
Learning Objectives **Clinical Practice Guidelines** Learner will be able to: IDSA guidelines for community acquired pneumonia were last revised in 2011 • Identify symptoms of community acquired pneumonia (CAP) Since then, there have been several important studies highlighting • Identify abnormal labs supportive of CAP diagnosis · Emphasis on narrow spectrum antimicrobials Shorter duration of therapy State the first-line antibiotic treatment for CAP • · Identify failure of outpatient antibiotic and next steps 3 4

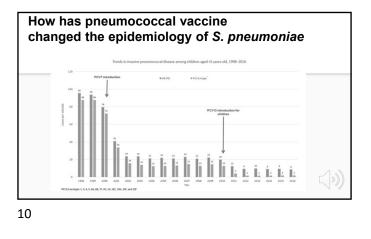


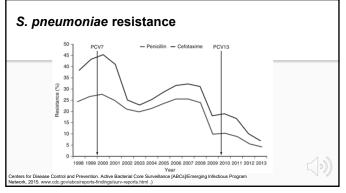


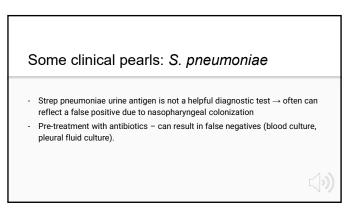












Haemophilus influenzae

Gram negative coccobacilli



Haemophilus influenzae Type B has plummeted H. flu nontypeable - up to 50% of patients colonized

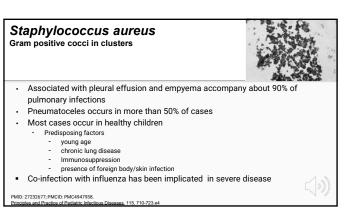
 Make sputum cultures difficult to interpret - colonization vs. true pathogen

Infection in healthy children is uncommon

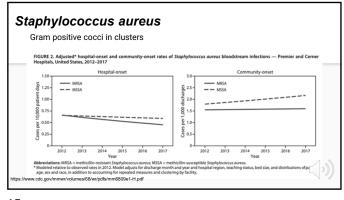
- CDC surveillance study 1999-2008:
- 17% children (median age 1.1 years)
- 93% were neonatal cases

J Infect. 2012 Dec; 65(6) 496-504

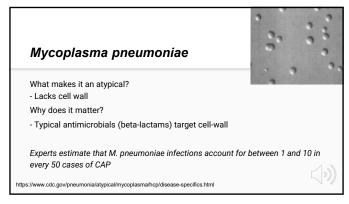
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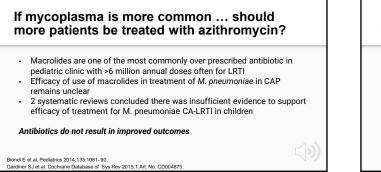


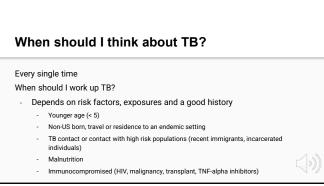


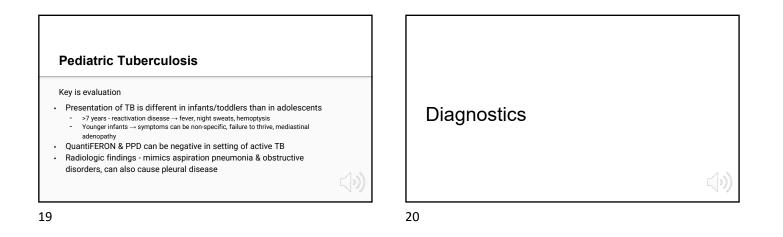


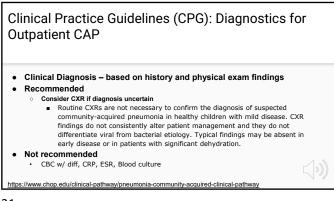




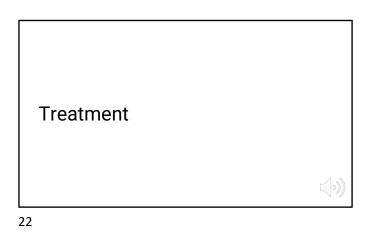


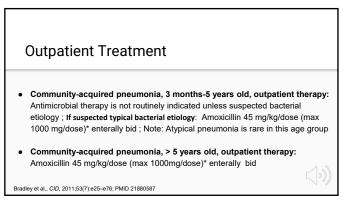


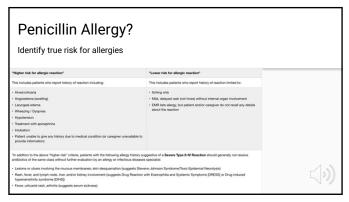








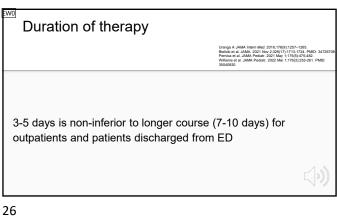




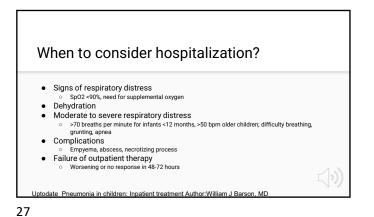
Penicillin Allergy

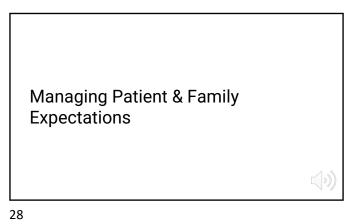
- Lower risk for allergic reaction
 Oral cephalosporin (Cefprozil, Cefuroxime,, Cefixime)
- High risk for allergic reaction
 - Azithromycin 10 mg/kg/dose enterally x 1 dose on day 1, then 5 mg/kg/dose enterally daily on days 2-5

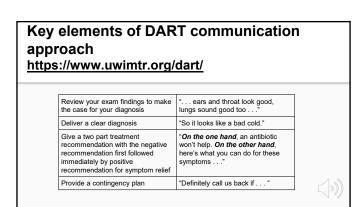
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2







Slide 26

EWO Can you summarize the duration of therapy into one or two slides? Elizabeth Walters, 2023-02-08T14:24:55.822

CASE

- 4-year-old being evaluated in outpatient clinic for cough and fever
 - Started with cough, congestion, runny nose
 - Attends pre-school, parents reported multiple kids with "pink eye" at school recently
 - Fever started 1-day ago, range $38.1\mathrm{C}$ to $38.4\mathrm{C}$ Eating and drinking well, good energy especially when does not have fever
- Physical exam
- - Vitals: Tmax 38F, RR: 35-40 bpm, HR: 100bpm, SpO2 95% on RA
 - General: well-appearing toddler, playing with toy car
 - HEENT: Clear rhinorrhea, ears: TM visualized: slightly red, light reflex present 0
 - Lungs: no focal consolidation, referred upper airway sounds
 - Remainder of exam normal

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CASE

- 4-year-old with 2 days of cough, runny nose and 1 day of fever
 - + sick contacts
- Most likely diagnosis is viral infection
 - Viral etiologies are more common than bacterial Sick contacts in daycare, more likely to be viral 0
 - Physical exam no focal consolidation on auscultation
 - Overall well-appearing, no need for labs
- Using DART communication approach
 - 0
 - On the one hand, an antibiotic won't help. On the other hand, here's what you can do for these symptoms give ibuprofen/acetaminophen for symptom relief Call us back in 48-hours if his fevers are not improving, sooner if there are other concerning 0
 - symptoms.