

Denver Health Guideline for the Management of Community-Acquired Pneumonia (CAP) in Hospitalized, Non-Pregnant Adults

Key points

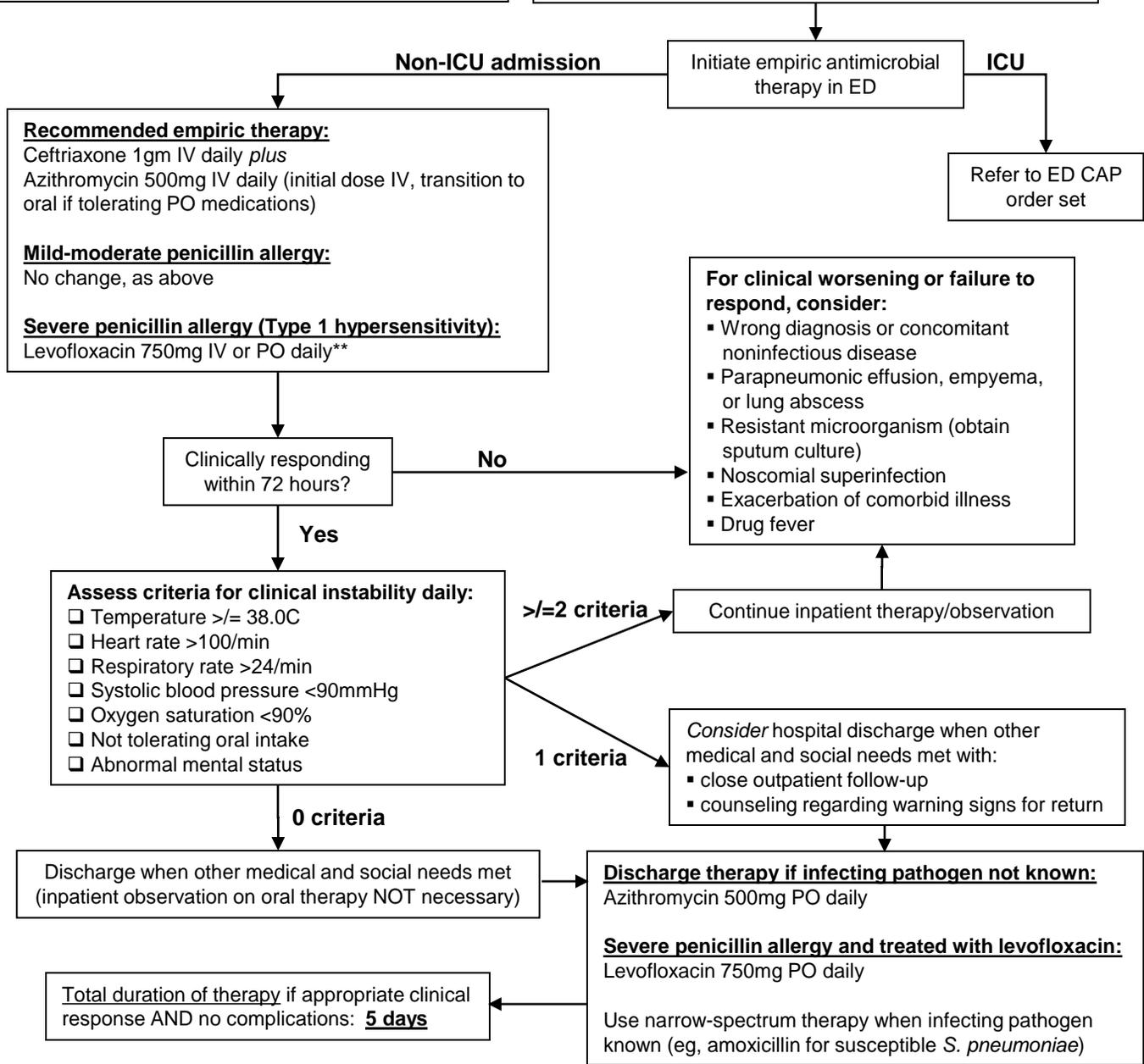
- Patients with CURB-65 scores of 0 or 1 have a low risk for mortality and should be considered for outpatient therapy
- Yield of sputum culture is low; however, a negative culture is good evidence against MRSA or resistant gram-negative organisms
- Chest CT should be avoided in the initial evaluation of patients with a syndrome consistent with CAP and an infiltrate on CXR
- Avoid antibiotic class switch on discharge
- Short-course therapy is appropriate for patients clinically responding to therapy

Criteria for CAP warranting hospitalization:

- Clinical syndrome consistent with CAP, AND
- Infiltrate on CXR*, AND
- 2 or more CURB-65 criteria, sustained hypoxemia, OR hospitalization warranted for other reason

Diagnostic studies:

- Obtain blood cultures prior to antibiotic therapy
- Sputum culture if concern for *S. aureus* or resistant gram-negative OR ICU admission
- Initial CT scan not recommended unless concern for complication or co-existing illness



Disclaimer: This is intended only as a guide for evidence-based decision-making; it is not intended to replace clinical judgment. Assess for antibiotic allergies and use alternative agents as appropriate. Suggested antibiotic doses are for normal renal function; adjust for renal impairment when necessary.

*CXR may be negative early in the course of pneumonia; consider a repeat CXR in 24 hours if suspicion for CAP remains high

**Avoid use of fluoroquinolones if risk factors for *M. tuberculosis* present (born outside United States), as may lead to delay in TB diagnosis

References: *Clin Infect Dis* 2007; 44:S27-72; *BMJ* 2006; 332:1355; *Arch Int Med* 2002; 162:1278