

Prescribing and Clinical Effectiveness Bulletin

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HAPPY NEW YEAR READERS!

GUIDELINES FOR THE TREATMENT OF COMMONLY OCCURRING INFECTIONS IN LINCOLNSHIRE PRIMARY CARE: WINTER 2012/13 UPDATE

| Infection | Recommended Agents | Notes |
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| <p>Pharyngitis / sore throat / tonsillitis</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>Average length of illness is 1 week</p> </div> | <p>Most sore throats are viral Antibiotics unnecessary in many cases as 90% resolve in 7 days Phenoxymethylpenicillin 500mg four times a day for 10 days</p> <p><u>If allergic to penicillin:</u> Clarithromycin 250 – 500mg twice daily for 10 days (as recommended in BNF)</p> | <p>Consider a 'no antibiotic' or 'delayed antibiotic strategy' and ensure that the patient knows that the average length of the illness is 1 week. Patients with 3 of 4 Centor criteria (presence of tonsillar exudate, tender anterior cervical lymphadenopathy or lymphadenitis, presence of fever and an absence of cough) may benefit from antibiotics.</p> <p>Numbers Needed to Treat Antibiotics to prevent 1 case of quinsy >4000 Antibiotics to prevent 1 case of AOM 200</p> |
| <p>Acute Otitis Media (AOM)</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>Antibiotics should not be routinely prescribed for AOM</p> </div> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-top: 10px;"> <p>Average length of illness 4 days</p> </div> | <p>Antibiotics are unnecessary in many cases; AOM resolves in 60% of patients within 24 hours. Antibiotics do not prevent deafness.</p> <p><u>First Line</u> Amoxicillin 40mg/kg/day in 3 divided doses for 5 days Maximum 1.5g daily</p> <p><u>If allergic to penicillin:</u> Erythromycin or Clarithromycin (5 days)</p> | <p>Depending on severity, <u>consider</u> prescribing antibiotics for children < 2 years with bilateral AOM and for children with otorrhoea, or children with CF or immune suppression. Children who do not meet these criteria should not be given antibiotics. Use a 'no antibiotic' or 'delayed antibiotic' strategy. Reassure patients/carers that antibiotics are not needed immediately because they will make little difference to symptoms and may have side effects (e.g. diarrhoea, vomiting and rash).</p> <p>Use analgesia for symptom relief</p> |

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| <p>Acute Rhinosinusitis</p> <div data-bbox="167 309 360 577" style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>Antibiotics should not be routinely prescribed for sinusitis</p> </div> <div data-bbox="167 667 360 913" style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>The average duration of symptoms is 2½ weeks</p> </div> | <p>Antibiotics are unnecessary in many cases as 80% resolve in 14 days. <u>First Line (7 days)</u> Amoxicillin 500mg three times daily (1g if severe) <u>or Doxycycline</u> 200mg stat followed by 100mg daily <u>or Phenoxymethylpenicillin</u> 500mg four times daily For persistent symptoms If there is no improvement following treatment with a first line antibiotic, an alternative first line agent should be tried before commencing with a third line option. Co-amoxiclav 625mg three times a day for 7 days</p> | <p>Many cases of sinusitis are of viral origin.</p> <p>NICE CG 69 Respiratory Tract Infections recommends using a 'no antibiotic prescribing strategy' or 'delayed antibiotic prescribing strategy'.</p> <p>Patients with acute sinusitis who are likely to be at risk of developing complications should be offered an immediate antibiotic prescription in the following situations: (1) if the patient is systemically very unwell; (2) if the patient has symptoms and signs suggestive of serious illness and/or complications (3) if the patient is at high-risk of serious complications due to pre-existing co-morbidity (e.g. significant heart, lung, renal, liver or neuromuscular disease, immunosuppression, cystic fibrosis and young children born prematurely).</p> <p>Use adequate analgesia.</p> <p>Consider a 7 day delayed or immediate antibiotic when there is a purulent nasal discharge.</p> |
| <p>Acute cough / bronchitis</p> <div data-bbox="159 1032 352 1317" style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>Average duration of cough is 3 weeks. If > 3 weeks, consider pertussis</p> </div> | <p>In primary care antibiotics have marginal benefits in otherwise healthy adults.</p> <p><u>First Line</u> Amoxicillin 500mg three times a day for 5 days <u>or</u> Doxycycline 200mg stat followed by 100mg daily for 5 days.</p> | <p>Routine antibiotic treatment of <u>uncomplicated</u> acute bronchitis is not recommended regardless of duration of cough.</p> <p>Antibiotics should be prescribed for patients > 65 years with acute cough and 2 or more of the following, or older than 80 years with one or more of the following:</p> <ul style="list-style-type: none"> - hospitalisation in previous year - type 1 or type 2 diabetes mellitus - history of congestive heart failure - current use of oral steroids <p>Antibiotics should be prescribed for patients who are</p> <ul style="list-style-type: none"> - systemically very unwell, - have symptoms or signs suggestive of serious illness and/or complications (particularly pneumonia), - are at high risk of serious complications because of pre-existing co-morbidity. This includes patients with significant heart, lung, renal, liver or neuromuscular disease, immunosuppression, cystic fibrosis and young children born prematurely. |
| <p>Community acquired pneumonia</p> | <p>If CRB65 =0 Amoxicillin 500mg three times daily for 7 days <u>or</u> Doxycycline 200mg stat/100mg daily for 7 days <u>or</u> Clarithromycin 500mg twice daily for 7 days If CRB65 = 1 and at home Amoxicillin 500mg three times daily for 7 - 10 days and Clarithromycin 500mg twice daily for 7 - 10 days <u>or</u> Doxycycline alone 200mg stat, 100mg daily for 7 - 10 days</p> | <p>Start antibiotics immediately Use CRB-65 to assess risk. Each scores 1: Confusion(AMT<8); Respiratory rate >30/min; age>65; BP systolic < 90 or diastolic ≤ 60.</p> <p>Score 0: suitable for home treatment. Score 1-2: hospital assessment or admission. Score 3-4: urgent hospital admission.</p> <p>If no response in 48 hrs add clarithromycin first line, or tetracycline to cover Mycoplasma infection (rare in >65y)</p> |

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| Acute exacerbation of COPD | <p>Prescribe antibiotics if increased dyspnoea and sputum is more purulent than usual.</p> <p><u>First Line</u> Doxycycline 200mg stat followed by 100mg daily for 5 days or Amoxicillin 500mg three times a day for 5 days</p> <p>If the patient is allergic to penicillin and a tetracycline is contraindicated, use Clarithromycin 500mg twice daily for 5 days</p> <p><u>Second Line</u> If there is a clinical failure or suspected resistance to first line antibiotics use: Co-amoxiclav 625mg three times daily for 5 days.</p> <p>Risk factors for antibiotic resistant organisms include co-morbid disease, severe COPD, frequent exacerbations, antibiotics in last 3 mths.</p> | |
| Uncomplicated UTI in men or women (i.e. no fever or flank pain) | <p>In women with > 3 symptoms of UTI (dysuria, urgency, frequency, polyuria, suprapubic tenderness, haematuria): treat</p> <p>In women with < 2 symptoms: use dipstick test to guide treatment and exclude UTI.</p> <p>In men: send pre-treatment MSU or, if symptoms are mild or non-specific, use a negative dipstick test to exclude UTI. NB a negative dipstick result can help to rule out UTI, but false positive dipsticks are very common and should not automatically lead to antibiotic treatment.</p> <p><u>First Line</u> Trimethoprim 200mg twice daily or Nitrofurantoin MR capsules 100mg twice daily. Treatment length 3 days in women and 7 days in men.</p> <p><u>Second Line</u> Dependent upon sensitivities. Amoxicillin resistance is common; only use if susceptible. Community multi-resistant Extended-spectrum Beta-lactamase <i>E.coli</i> are increasing: consider nitrofurantoin (or pivmecillinam subject to sensitivities). Microbiologist advice must be sought.</p> | |
| UTI in pregnancy | <p>Send MSU for culture and sensitivities and start empirical antibiotics.</p> <p><u>First Line</u> Co-amoxiclav 625mg three times per day for 7 days or Amoxicillin 500mg three times daily for 7 days (if known to be susceptible)</p> <p><u>Second Line</u> Cefalexin 500mg twice daily for 7 days</p> <p><u>Third line</u> Nitrofurantoin MR capsules 100mg twice daily for 7 days (avoid nitrofurantoin in late pregnancy)</p> <p>Trimethoprim is not recommended in early pregnancy even with folic acid cover.</p> | |

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Stephen Gibson
 Head of Prescribing and Medicines Optimisation
 NHS Lincolnshire
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