



Antimicrobial Advice for Lindsey Lodge Hospice 2016

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Disclaimer

Lindsey Lodge Hospice is a small organisation which aims to provide the highest level of clinical care, that is individualised and most appropriate, for our patients. The following advice is taken from the local Trust *Antibiotics Formulary and Prescribing Advice for Adult Patients version 7*. In some cases, this is verbatim. In other cases, this has been adapted to reflect the common clinical situations that we encounter. For serious infections, admission to hospital may be required for the most effective therapy (and a prompt to consider this is listed). Following clinical assessment and, or in line with patient wishes, it may be more appropriate to manage the patient out of hospital. **Antibiotics listed in this guidance are those that can be available in the hospice and are for suggestion only.** For more detailed information on specific infections, and for advice on fungal infections, please consult the Trust document directly.

1. Introduction

Antimicrobials and antibiotics are a very important part of the therapeutic regimen. They differ from all other drugs, however, in that the use of an antibiotic on one patient can affect many other patients through the selection of resistant organisms. To this end it is important that antibiotic use is controlled and profligate and unnecessary use, which selects for bacterial resistance, is avoided. The aim of this document is to encourage the appropriate use of this valuable resource.

Recent increases in the incidence of MRSA and Clostridium difficile infections have prompted a complete revision of the Antibiotic Policy. The recommendations made in this document are specifically targeted at reducing the risk of these organisms. As such, the use of cephalosporins and quinolones is heavily discouraged.

Specific instructions regarding difficult to treat organisms or infections are not included within the scope of this document, management of these organisms should be guided by reported sensitivities. National documents and references including the British National Formulary have been consulted.

1.2 Samples

Appropriate antibiotic use is best achieved when the target organism is known. To this end appropriate samples require to be collected prior to the antibiotic being administered unless immediate empirical treatment is indicated. The procedures for collecting appropriate microbiological samples, whilst relevant, are beyond the scope of this document. Full details of these procedures can be found in the Path Links Laboratory Handbook on the intranet..

When culture and sensitivity test results become available, any prior antimicrobial prescription should be reviewed and amended as indicated to ensure prescription of the most appropriate antibiotics. Any amendment must be documented in the medical notes to show that culture and sensitivity results have been acted upon.

1.3 Contact Information

Advice regarding the appropriate use of antibiotics can be obtained from the Duty Consultant Microbiologist, contactable through switchboard out-of-hours or from Dr Cowling or Dr Cleeve on ext 2350 (SGH).

2 Prescribing of Antimicrobials

This advice is intended to:

- Ensure all antimicrobial agents are clinically indicated and essential.
- Ensure any allergy information relating to antimicrobials is clearly recorded on the front of all the prescription charts, including the nature of the reaction
- Ensure that prescriptions for antimicrobials are prescribed and administered at regular intervals.
- Ensure the correct route is prescribed
- Ensure all antimicrobial prescriptions have a specific indication documented on the prescription chart AND in the medical records at the point of prescribing
- Ensure all antimicrobial prescriptions have a “review” or “stop” date / length of course endorsed on the prescription chart at the point of prescribing. The duration should also be clear in the medical record.
- Ensure all antimicrobials are reviewed at 48 hours

2.1 General Points

Antimicrobials are only indicated when there is evidence of infection or when infection is to be actively avoided such as during surgery. The mere presence of an organism is not an indication for antimicrobials, thus an organism, even MRSA, isolated from a wound that is healing well with no signs of infection does not necessarily require antimicrobial treatment.

All doses given in these guidelines, unless specifically indicated otherwise, assume broadly normal renal and hepatic function. Doses may need to be adjusted if renal and hepatic function is impaired.

Please exercise additional caution in prescribing antimicrobials in elderly patients, those who have had previous *Clostridium difficile* disease, who are GDH-positive or those who are not being normally fed (especially TPN or NG/Peg feeding) because they are at increased risk of *C. difficile* disease.

3. Regimens For Treatment Of Common Infections

Empirical (Blind) Antimicrobial Chemotherapy

The initiation of antimicrobial chemotherapy should normally be withheld until appropriate specimens are collected and a microbiological diagnosis is made unless:

- the patient’s defences are compromised
- a life-threatening infection is clinically evident or suspected
- appropriate laboratory investigations cannot be rapidly performed

In such cases antimicrobial chemotherapy should commence immediately after the collection of the diagnostic specimens.

4.1 Urinary Tract Infections

4.1.1 Uncomplicated Urinary Tract Infections (Simple cystitis)

Note:

- 1) In long-term catheterised patients only those with relevant clinical signs of infection need treatment.
- 2) Microscopic examination of urine alone is of limited value in unequivocally diagnosing infection; therefore any such emergency request is not normally entertained.
- 3) In recurrent prostatitis discuss treatment with Consultant Microbiologist.

First Line: Nitrofurantoin 100mg po every 6 hours

Duration: Females 3 days, Males 7 days

NOTE: Nitrofurantoin is both ineffective and toxic in renal failure and is contraindicated in patients with an eGFR <45ml/min. It is also ineffective in complicated UTIs and should only be used in simple cystitis

Second Line: Trimethoprim 200mg po every 12 hours

Duration: Females 3 days, Males 7 days

Third Line: Co-amoxiclav 625mg po every 8 hours

Duration: Females 3 days, Males 7 days.

4.1.2 Uncomplicated Urinary Tract Infections, Acute, Hospital-Acquired

- 1) In catheterised patients, antibiotic therapy is unlikely to eliminate colonising microorganisms. Such organisms are, however, always identified and their antibiograms recorded in case septicaemia develops.
- 2) Short-term urinary catheters must be removed as soon as possible.
- 3) Seek microbiological advice.

First Line: Trimethoprim 200mg po every 12 hours

Duration: 7 days

4.1.3 Lower Urinary Tract Infections, Chronic

- 1) Patients with a long-term catheter should be treated only if symptomatic and/or with significant ascending infection.
- 2) In the asymptomatic catheterised patient, mixed growth of microorganisms, even in the presence of white cells, does not warrant antibiotic therapy.
- 3) Long-term antimicrobial prophylaxis is ineffective and promotes resistance so should NOT be used. Discuss with Consultant Microbiologist before embarking on this.

First Line: Contact Consultant Microbiologist

4.1.4 Complicated Urinary Tract Infection inc. Pyelonephritis

Consider need for hospital admission for IV therapy

First Line: Co-amoxiclav 625mg orally every 8 hours (IV if appropriate)

Duration: 10 days

Second Line (Beta-lactam allergy): Ciprofloxacin 500mg po every 12 hours (an initial dose of 400mg iv may be given if patient is vomiting)

Duration: 7 to 10 days

4.1.5 Acute Prostatitis

First Line: Hospital admission if appropriate for IV therapy. If not, consult microbiologist

4.1.6 Chronic Prostatitis

First Line: Trimethoprim 200mg po every 12 hours

Duration: 28 days

Second Line: Ciprofloxacin 500mg po every 12 hours

Duration: 28 days

Review by Consultant Urologist required with regard to need to prolong course for further 2-4 weeks.

4.1.7 Epididymo-orchitis

See 4.6

4.2 Upper Respiratory Tract Infections

4.2.1 Influenza

Zanamivir or oseltamivir are recommended when influenza is circulating in the community, for the treatment of “at-risk” adults presenting with symptoms of influenza-like illness (ILI) who can commence treatment within 48 hours of the start of symptoms.

4.2.2 Otitis Externa, Infective

NB in the presence of infection do not use steroids alone. Keep dry.

First Line: AURAL TOILET

4.2.3 Malignant Otitis Externa

Referral to ENT is advised

First Line: Ciprofloxacin 750mg po every 12 hours once the patient is stable

Duration: 10-14 days total

Second Line (Beta-Lactam allergy): Contact Microbiologist

4.2.4 Otitis Media, Acute

Most cases of this are viral

First Line: Analgesics/anti-inflammatories only

Duration: 3 days – thereafter treat as chronic.

4.2.5 Otitis Media, Chronic

Referral to ENT is advised

First Line: Amoxicillin 500mg po every 8 hours

Duration: 5 days

Second Line(Beta-lactam allergy): Clarithromycin 500mg po every 12 hours

Duration: 5 days

4.2.6 Sore Throat/ Pharyngitis /Tonsillitis

The majority of sore throats are viral in aetiology and most patients will not benefit from antibiotics. However, it is difficult to distinguish between viral and streptococcal infections. Patients with 3 of 5 centor criteria (history of fever, purulent tonsils, cervical adenopathy, absence of cough) or history of otitis media may benefit more from antibiotics. Seven days treatment ensures less frequent relapse than three days. Prescribing antibiotics for sore throat only marginally affects the resolution of symptoms even for those identified as requiring antibiotics through centor criteria risk assessment. Antibiotics only reduce symptoms by 8 hours. Strategies for delayed or post-dated prescriptions should be considered for this group.

First Line: Phenoxymethylpenicillin 500mg po every 6 hours

Duration: 10 days.

Second Line (Beta-lactam allergy): Clarithromycin 500mg po every 12 hours

Duration: 10 days

Second Line (Failed therapy): Co-amoxiclav 625mg po every 8 hours

Duration: 7 days

4.2.7 Epiglottitis

First Line: Cefotaxime 2g iv every 8 hours*

Duration: 7 days

Second Line (Beta-lactam allergy): Contact Consultant Microbiologist

4.2.8 Sinusitis, Acute

Most cases of this are viral

First Line: Analgesics/anti-inflammatories only

Duration: 3 days – thereafter treat as chronic.

4.2.9 Sinusitis, Chronic

First Line: Co-amoxiclav 625mg po every 8 hours

Duration: 5 days.

Second Line (Beta-lactam allergy): Doxycycline 100mg po every 12 hours

Duration: 5 days

Third Line: Clarithromycin 500mg po every 12 hours

Duration: 5 days

Seek ENT advice if complex or not responding

4.2.10 Tonsillitis (see Pharyngitis)

4.2.11 Whooping Cough

NB: This is a notifiable condition.

Antibiotics have little effect if administered in the paroxysmal stage.

First Line: Clarithromycin 500mg po every 12 hours

Duration: 10 days

Second Line: Discuss with Consultant Microbiologist

4.3 Lower Respiratory Tract Infections Inc. COPD, Pneumonia, TB

4.3.1 Bronchitis, Acute

First Line: Symptomatic relief only

Duration: 3 days – thereafter treat as chronic

4.3.2 Bronchitis, Chronic And COPD, Acute Exacerbations Of

First Line: Doxycycline 100mg every 12 hours for 24 hours then 100mg od po

Duration: 5 days

Second Line: Amoxicillin 500mg po every 8 hours

Duration: 5 days

Third Line: Clarithromycin 500mg po every 12 hours

Duration: 5 days

4.3.3 Pneumonia

4.3.4 Community Acquired Pneumonia

CURB-65 (British Thoracic Society)

NOTE: Clinical or X-ray evidence of lobar consolidation required.

Score 1 for each

- acute unexplained Confusion (mental test score <8, or disorientation in time/place/person)
- Urea > 7mmol/l
- Respiratory rate \geq 30/min
- Blood pressure – systolic <90 mmHg and/or diastolic \geq 60 mmHg
- Age 65 years or over

THE CURB-65 SCORE IS NOT A SUBSTITUTE FOR GOOD CLINICAL JUDGEMENT

Mild Pneumonia (CURB Score 0-1)

First Line: Amoxicillin 500mg-1g po every 8 hours

Duration: 5 – 7 days

Second Line: Doxycycline 100mg every 12 hours for 24 hours then 100mg od po

Duration: 5 – 7 days

Third Line: Clarithromycin 500 mg po 12 hourly

Duration: 5 – 7 days

Note: The first line choice does not cover atypical pathogens. Most of these are self-limiting infections but should be considered in cases of treatment failure

Moderate Pneumonia (CURB Score 2)

First Line: Amoxicillin 500mg - 1g po every 8 hours

plus clarithromycin 500mg po every 12 hours

Duration: 5 – 7 days

Second Line (Beta-lactam allergy): Doxycycline 100mg po every 12 hours

OR Clarithromycin 500mg po every 12 hours

Duration: 5 – 7 days

Third Line: Discuss with Consultant Microbiologist

Severe Pneumonia (CURB Score ≥ 3 or Pa O₂ <8 KPa or Sa O₂ <92% on any Fi O₂)

Consider if transfer to hospital appropriate for IV therapy

First Line: Co-amoxiclav 625mg orally 8 hourly

Second Line: Ceftriaxone 1-2g intramuscularly daily

Duration of therapy is usually 7 to 10 days but contact microbiology if no significant response to therapy after 72 hours, suspicion of PVL or other unusual organism.

NOTE: Clarithromycin is aimed at atypical organisms and its concomitant use with a Beta-lactam carries a significant Clostridium difficile risk. Furthermore it may act to antagonise the action of the Beta-lactam antibiotic. ENSURE THE MACROLIDE IS REALLY NECESSARY! Clarithromycin should be stopped once atypical pneumonia is excluded

4.3.5 Hospital-Acquired Pneumonia

(NB Respiratory samples are essential.)

Early onset (<5 days admission) or no antibiotics within the last 7 days:

Mild

First Line: Doxycycline 100mg po every 12 hours

Duration: 5 - 7 days

Second Line: Amoxicillin 500mg-1g po every 8 hours

Duration: 5 - 7 days

Third Line: Discuss with Consultant Microbiologist

Moderate

First Line: Co-amoxiclav 625mg orally every 8 hours.

Second Line (Minor penicillin rash): Ceftriaxone 1-2g intramuscularly daily.

Third Line: (Severe Beta-lactam allergy/MRSA risk): Discuss with Consultant Microbiologist

* Consider additional amoxicillin. See section 3.2.

Late onset (>5 days admission and antibiotics within the last 7 days) **or severe**:

Consider transfer to hospital for IV therapy

First Line: Ceftriaxone 1-2g intramuscularly daily

Second Line (penicillin allergy): Discuss with Consultant Microbiologist

Duration: Review after 5 days treatment

4.3.6 Pneumonia, Aspiration

NB This is not appropriate for aspiration in the absence of pneumonia. Consider if transfer to hospital for IV therapy is appropriate. If not;

First Line: Co-amoxiclav 625mg orally every 8 hours **or** ceftriaxone 1-2g intramuscularly daily

Duration: 5 days. Consider oral therapy if patient's condition permits.

Second Line (Minor penicillin rash): Ceftriaxone 1-2g intramuscularly daily **plus**
metronidazole 400mg orally every 8 hours

Duration: 5 days

Third Line: (Severe beta-lactam allergy/MRSA risk): Discuss with Consultant Microbiologist.

4.3.7 Empyema or Lung Abscess

NB: Endeavour to isolate infective agent before attempting antimicrobial therapy.

Contact Consultant Microbiologist

4.3.8 Bronchiectasis

Consultant local Chest Physicians or the BTS Guidelines.

4.4 Soft Tissue Infections

4.4.1 Bed Sores (See Ulcers)

4.4.2 Bites

First Line: Co-amoxiclav 625mg po every 8 hours

Duration: 7 days

Second Line (Beta-lactam allergy): Doxycycline 100mg po every 12 hours plus metronidazole 400mg po every 8 hours

Duration: 7 days

Human bites: Consider risks of blood borne viral infection eg Hepatitis B, C and HIV

4.4.3 Boils

NB: No antibiotic therapy is indicated, unless there are signs of cellulitis (see below), or if the patient is immunocompromised. Consult Consultant Microbiologist.

If widespread or recurrent boils seek advice from Dermatologist and consider investigation for Panton-Valentine Leukocidin (PVL) producing *Staphylococcus aureus*. For more information regarding diagnosis and management go to <https://www.gov.uk/government/collections/panton-valentine-leukocidin-pvl-guidance-data-and-analysis>

4.4.4 Burns (Uncomplicated)

Routine use of systemic antibiotics is NOT indicated.

4.4.5 Surgical Site Infections

First Line: Co-amoxiclav 625mg po every 8 hours. Consider need for additional amoxicillin. See Section 3.2.

Duration: 5 days

Second Line (Beta-lactam allergy): Clindamycin 450mg po every 6 hours.

Duration 5 days

Third Line:(MRSA risk): Treat according to susceptibility pattern.

4.4.6 Cellulitis

Simple cellulitis

First Line: Flucloxacillin 1g orally every 6 hours

OR Clarithromycin 500mg orally every 12hours (penicillin allergy)

First line (known MRSA colonisation): Doxycycline 100mg orally every 12 hours

OR Trimethoprim 200mg orally every 12 hours

OR Rifampicin 600mg orally every 12 hours

OR Fusidic acid 500mg orally every 8 hours

Duration: 7days

Second Line: IV therapy **OR** Clindamycin 450mg orally every 6 hours

Cellulitis associated with lymphoedema

First Line: Amoxicillin 500mg orally 8 hourly
+/- Flucloxacillin 500mg orally 6 hourly(if clinical evidence of staph aureus infection)
OR Clarithromycin 500mg orally 12 hourly (Penicillin allergy)
OR Cefalexin 500mg orally 8 hourly (On statin)
OR Doxycycline 200mg once only then 100mg orally daily (Penicillin allergy on statin)

Duration: 14 days minimum (*until all signs of acute inflammation have resolved*)

Second Line: Clindamycin 300mg orally 6 hourly

Duration: 14 days minimum (*until all signs of acute inflammation have resolved*)

Prophylaxis should be considered for patients who have two or more attacks of cellulitis per year

Penicillin V 250mg orally 12 hourly (500mg if BMI >33) for 2 years.

Cefalexin 125mg orally at night **or** Doxycycline 50mg daily (on statin)

Trimethoprim 100mg orally at night (*for recurrent ano-genital cellulitis*)

4.4.7 Ulcers and other chronic, stable wounds

Antibiotics have no place in the management of chronic, stable wounds.

There is a large group of wounds (surgical or non-surgical) that are swabbed routinely which share a common pathophysiology. When wounds are **more than a month old**, they are known as chronic or established wounds because they develop a thick, avascular fibrous tissue layer through which underlying bacteria cannot get out and antibiotics cannot easily permeate. Such chronic wounds include:

- Chronic ulcers (including varicose leg ulcers and pressure sores)
- Post-surgical wounds more than a month old
- Sinuses and fistulae
- Stoma sites (colostomy, urostomy, etc)

The above wounds will be colonised either with the patients' own flora or environmental organisms. Swabs taken from such wounds will **always** have growth and, as such, these lesions should not be swabbed (even if purulent). **They should NOT be treated with antibiotics.** Treatment of these cases will result in the emergence of antibiotic resistance. Wound debridement or cleaning without antibiotics will promote healing in most cases.

The complications of ulcers (cellulitis, osteomyelitis, etc) should be managed as normal but it must be understood that antibiotic treatment is being given for these complications not for the ulcer or wound. For this reason, the use of topical antibiotics is strongly discouraged.

4.4.8 Diabetic Foot

These must be referred to the diabetic team for review as soon as practicable. A formal MDT may be necessary.

Uninfected: IDSA Grade 1

Foot wound not clinically infected ie no pus, erythema, pain, tenderness, warmth or induration.

First Line: Symptomatic treatment only.

Mild Infection: IDSA Grade 2

Indicated by the presence of ≥ 2 manifestations of inflammation (pus, erythema, pain, tenderness, warmth, or induration), but any cellulitis/erythema extends ≤ 2 cm around the ulcer, and infection is limited to the skin or superficial subcutaneous tissues; no other local complications or systemic illness.

First Line: Flucloxacillin 1g po every 6 hours

Duration: 5 – 7 days

Second Line (Beta-lactam allergy): Doxycycline 100mg po every 12 hours

OR Clindamycin 450mg po every 6 hours

Duration: 5 – 7 days

If MRSA infection suspected Contact microbiology for advice

Moderate Infection: IDSA Grade 3 ***Consider hospital for IV therapy***

Infection as above in a patient who is systemically well, metabolically stable but who one or more of the following; cellulitis extending to > 2 cm, lymphangitis, spread beneath the superficial fascia, deep tissue abscess, gangrene, or involvement of muscle, tendon, joint or bone. Surgical opinion required. Debridement of infected bone is essential for successful treatment.

First Line: If no antibiotics within 90 days flucloxacillin 500mg orally every 6 hours **plus** metronidazole 400mg orally every 8 hours

OR Co-amoxiclav 625mg orally every 8 hours

Duration: Review after 5 – 7 days

Second Line (Beta-lactam allergy): Clindamycin 450mg orally every 6 hours

Duration: Review after 5 – 7 days

If MRSA infection suspected Contact microbiology for advice

Severe Infection: Grade 4

Is infection in a patient with systemic toxicity (e.g. fever, chills, tachycardia, hypotension, confusion, vomiting, leukocytosis, acidosis, severe hyperglycaemia, or uraemia). This includes any patient with

critical ischemia of the limb. Urgent iv antibiotics and surgical opinion are essential. Debridement of infected bone is required for successful treatment.

For symptomatic relief in patients not appropriate for hospital transfer follow guidance above.

4.4.9 Breast Abscesses

Non-Lactational

First Line: Co-amoxiclav 625mg po every 8 hours

Duration: 5 days

Second Line (Beta-lactam allergy): Ciprofloxacin 500mg po every 12 hours **plus** Metronidazole 400mg po every 8 hours

Duration: 5 days

4.5 Gastrointestinal: Food Poisoning And Intra Abdominal Sepsis

4.5.1 Cholecystitis (With Or Without Ascending Cholangitis) – Consider transfer to hospital for IV

First Line: Co-amoxiclav 625mg orally 8 hourly

Duration: 5 days

Second Line (Beta-lactam allergy): Ciprofloxacin 500mg orally every 12 hours **plus** metronidazole 400mg orally every 8 hours

Duration: 5 days

Third Line: Contact Consultant Microbiologist

4.5.2 Peritonitis (Surgical Abdomen Inc Appendicitis & Diverticulitis)

First Line: Co-amoxiclav 625g orally every 8 hours

Second Line (Minor penicillin rash): Ceftriaxone 1- 2g intramuscularly daily **plus** metronidazole 400mg orally every 8 hours

Third Line (Severe Beta-lactam allergy): Ciprofloxacin 500mg orally every 12 hours

Duration: Review after 5 days

4.5.3 Antibiotic (Clostridium difficile) Associated Diarrhoea

Defined as diarrhoea AND one of the following:

- Positive C. Diff toxin test
- Results of C. Diff toxin text pending AND clinical suspicion of CDI

FIRST EPISODE

If clinically appropriate, discontinue non-C diff antibiotics to allow normal intestinal flora to be re-established. Review PPIs. Isolate patient.

Mild disease **No signs of severe infection (WCC>15, Elevated Cr, signs of colitis), <3 stools per day**

Conservative Management only

Moderate disease **No signs of severe infection, 3-6 stools per day**

Metronidazole 400mg orally every 8 hours, 10-14 days duration

Severe disease **WCC>15 or Elevated Cr or signs of colitis or >7 stools per day**

Vancomycin 125mg orally every 6 hours, 10-14 days duration

Diarrhoea should resolve in 1-2 weeks. Treatment should not normally be deemed a failure until day 7 unless developing symptoms of severe infection.

RELAPSE

MUST discontinue non-C. diff antibiotics if at all possible. Review all drugs with gastrointestinal activity or side effects esp PPIs and opiates. Isolate patient.

Commence Vancomycin 125mg orally every 6 hours, 10-14 days.

Second relapse, discuss with microbiologist

4.6 Genital Tract

4.6.1 Epididymo-orchitis

Age Less Than 35 Years

First Line: Ceftriaxone 500mg im or iv single dose plus doxycycline 100mg po every 12 hours

Duration: 14 days

Second Line (Beta-lactam allergy): Contact Consultant Microbiologist

Age Greater Than 35 Years Or Where STI Not Suspected

First Line: Ciprofloxacin 500mg po every 12 hours

Duration: 10 days

4.7 Ophthalmic infections

4.7.1 Conjunctivitis In Persons Who Do NOT Wear Contact Lenses

NB: Do not use steroid-containing eye medications. If no response after 3 days treatment, seek advice from Ophthalmologists.

First Line: Chloramphenicol 0.5% drops: apply 1 drop every 3-4 hours, topical.

Second Line: Fusidic acid 1% gel: apply 1 drop every 12 hours, topical.

Third Line: Ofloxacin 0.3% drops: apply 1 drop every 3-4 hours, topical.

Duration: Until 48 hours after clinical resolution – up to 7 days.

4.7.2 Conjunctivitis In Persons Who Wear Contact Lenses

NB: Do not use steroid-containing eye medications. If no response after 3 days treatment, seek advice from Ophthalmologists.

First Line: Gentamicin 0.3% drops: apply 1 drop every 3-4 hours, topical.

Second Line: Ofloxacin 0.3% drops: apply 1 drop every 3-4 hours, topical.

Duration: Until 48 hours after clinical resolution – up to 7 days.

4.7.3 Conjunctivitis, Chlamydial

First Line: Clarithromycin 500mg po every 12 hours

Duration: 10 days

4.7.4 Conjunctivitis, Post- traumatic

Seek advice from Ophthalmologists before commencing treatment.

4.7.5 Periorbital cellulitis (>12 years)

Outpatient treatment:

First Line: Co-amoxiclav 625mg every 8 hours and amoxicillin 500mg every 8 hours

Second Line (Severe beta-lactam allergy/MRSA risk) Ciprofloxacin 750mg po every 12 hours **plus**
clindamycin 450mg po every 6 hours

Duration: 7 – 10 days.

4.7.6 Orbital (post-septal) cellulitis

Urgent ENT and ophthalmology review is required.

4.8 Bone & Joint Infections

Specimens: aspirate all discharging pus or synovial fluid and collect blood for culture.

4.10.1 Arthritis, Septic

Referral to Orthopaedics is recommended in all cases. **Consider hospital for intravenous therapy**

First Line: Flucloxacillin 1g orally every 6 hours

Duration: Review after 14 days

Second Line (Beta-lactam allergy): Clindamycin 450mg po every 6 hours

Duration: Review after 14 days

Third Line: Contact Consultant Microbiologist

Note: Follow on oral therapy may be required for many weeks.

References: North Lincolnshire and Goole NHS and United Lincolnshire Hospitals; Antibiotic Formulary and Prescribing Advice for Adult Patients: Version 7:April 2016				
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