



Guidance on antibiotics for the treatment of infection in the diabetic foot

STOP and THINK before you give Antibiotic Therapy!

Symptoms:

Refer to Podiatry MDT for urgent assessment

Refer urgently to Vascular for admission/inpatient review

MILD INFECTION	MODERATE INFECTION	SEVERE INFECTION
<ul style="list-style-type: none">Pus or two or more of : erythema, warmth, pain, tenderness, indurationAny cellulitis <2cm around the woundNo systemic infection	<ul style="list-style-type: none">Lymphatic spread, deep tissue infection involving subcutaneous tissues, tendon, fascia, bone or abscess, orCellulitis > 2cm	<ul style="list-style-type: none">Local infection accompanied by signs and symptoms of systemic infectionPresence of critical ischaemia
(Samples – prior to antibiotics if at all possible in all patients)		
<ul style="list-style-type: none">Tissue, exudate or swab from debrided base of lesion.Aspirated pus if available	<ul style="list-style-type: none">Tissue, exudate, bone fragments, or swab from debrided base of lesion.Aspirated pus if available	<ul style="list-style-type: none">Local samples as for moderate infection plus 2 sets of blood cultures
Treatment duration	Treatment duration	Treatment duration
<ul style="list-style-type: none">Initially 7 days with review at end of treatment to determine if further therapy required	<ul style="list-style-type: none">Initially 7 days with review at end of treatment to determine if further therapy requiredIV therapy should be switched to oral as clinically indicatedIf osteomyelitis is present suggest at least 6 weeks therapy and then review and stop or continue as clinically indicated	<ul style="list-style-type: none">Initially 10 days and then review and stop or continue as clinically indicatedIV therapy should be switched to oral as clinically indicatedIf osteomyelitis is present suggest at least 6 weeks therapy and then review and stop or continue as clinically indicated

First line treatment

MILD INFECTION	MODERATE INFECTION	SEVERE INFECTION
<p>First choice</p> <ul style="list-style-type: none">Oral Flucloxacillin 1g qds <p>Alternative</p> <ul style="list-style-type: none">Oral Doxycycline 200mg po stat then 100mg daily (can be increased to 100mg bd)	<p>First choice</p> <ul style="list-style-type: none">IV Flucloxacillin 2g qds (oral flucloxacillin 1g qds if treatment in community was inappropriate or inadequately dosed. Also as oral switch) <p>Add oral Metronidazole if anaerobes suspected i.e. on the basis of limb ischaemia, gangrene, necrosis or offensive wound odour.</p> <p>Alternatives</p> <ul style="list-style-type: none">IV Vancomycin or Oral Co-trimoxazole 960 mg bd (see note 3 & 5) <p>Add oral Metronidazole if anaerobes suspected i.e. on the basis of limb ischaemia, gangrene, necrosis or offensive wound odour.</p> <p>Out-patient parenteral therapy (OPAT)</p> <ul style="list-style-type: none">OPAT choice guided by Microbiologist	<p>First choice</p> <ul style="list-style-type: none">IV Piperacillin/Tazobactam 4.5g tds (See notes 1 & 2) <p>Alternative</p> <ul style="list-style-type: none">IV/oral Levofloxacin 500mg bd and IV Metronidazole 500mg tds (See notes 1 & 2) <p>Initial oral therapy inappropriate. Review results of cultures as they become available. Discuss oral switch with Clinical Microbiologist as patient improves.</p> <p>Out-patient parenteral therapy (OPAT)</p> <ul style="list-style-type: none">OPAT choice guided by Microbiologist

Patients who have failed first line therapy

MILD INFECTION	MODERATE INFECTION	SEVERE INFECTION
<p>First choice</p> <ul style="list-style-type: none">Oral Doxycycline 200mg po stat then 100mg daily (can be increased to 100mg bd) orOral Clindamycin 300-450mg qds (See note 2)	<p>First choice</p> <ul style="list-style-type: none">IV Co-trimoxazole 960 mg bd (see note 5) <p>Add oral Metronidazole if anaerobes suspected i.e. on the basis of limb ischaemia, gangrene, necrosis or offensive wound odour.</p> <p>Oral first choice and oral switch</p> <ul style="list-style-type: none">Co-trimoxazole 960mg bd +/- Metronidazole 400mg tds. <p>Alternatives</p> <ul style="list-style-type: none">Cefalexin 1g tds +/- Metronidazole 400mg tds. <p>Review results of cultures as they become available and de-escalate as appropriate.</p> <p>Out-patient parenteral therapy (OPAT)</p> <ul style="list-style-type: none">OPAT choice guided by Microbiologist	<p>If patients have failed the above severe infection regime please discuss with Clinical Microbiologist</p> <p>Out-patient parenteral therapy (OPAT)</p> <ul style="list-style-type: none">OPAT choice guided by Microbiologist

MRSA colonisation – consider adding cover to above regimes if MRSA suspected

MILD INFECTION	MODERATE INFECTION	SEVERE INFECTION
<ul style="list-style-type: none">Oral Doxycycline 200mg po stat then 100mg daily (can be increased to 100mg bd) may be considered under close supervision <p>Escalate therapy to Moderate Infection category if poor response or deterioration</p>	<ul style="list-style-type: none">IV Vancomycin (See note 3) <p>Oral switch – discuss with Clinical Microbiologist</p> <p>Out-patient parenteral therapy (OPAT)</p> <ul style="list-style-type: none">IV Teicoplanin (dosing based on weight & renal function) <p>MRSA Osteomyelitis Discuss adding second MRSA agent with Microbiologist, either:</p> <ul style="list-style-type: none">Oral Rifampicin 600mg bd orOral Sodium fusidate 500mg tds - never use as monotherapy (See note 4)	<ul style="list-style-type: none">IV Vancomycin (See note 3) <p>Oral switch – discuss with Clinical Microbiologist</p> <p>Out-patient parenteral therapy (OPAT)</p> <ul style="list-style-type: none">IV Teicoplanin (dosing based on weight & renal function) <p>MRSA Osteomyelitis Discuss adding second MRSA agent with Microbiologist, either:</p> <ul style="list-style-type: none">Oral Rifampicin 600mg bd orOral Sodium fusidate 500mg tds - never use as monotherapy (See note 4)

- Notes:
1. Consider adding IV Vancomycin to the IV regimes above if MRSA infection is suspected

2. Piperacillin/Tazobactam, Levofloxacin and Clindamycin containing regimes have a high risk of Clostridium difficile infection

3. Vancomycin – dose as per IV guide and monitor pre dose levels

4. Only add when Vancomycin levels therapeutic. Baseline LFTs are required before starting Rifampicin/Sodium fusidate and should be monitored regularly during treatment

5. Baseline FBC is required before starting Co-trimoxazole and should be monitored regularly during treatment. Avoid in severe renal impairment or if there is a history of severe allergy/stevens-johnsons syndrome

6. Some doses may need adjusted in renal impairment. Discuss with pharmacy team

York Hospital Contacts (prefix 772 before extension when ringing from Scarborough)

Consultant Microbiologist: 5131 or via switchboard
Speciality Registrars: 6699
Vascular on-call: via switchboard

Principal Pharmacist Antimicrobials: 6377
Antimicrobial Pharmacist: 1394
Antimicrobial Technician: 1395

Podiatry: 6761 or 5781
In patient podiatry:
01904 726510

Scarborough Hospital Contacts (prefix 771 before extension when ringing from York)

Consultant Microbiologist: 2334 or via switchboard
Vascular on-call: via switchboard

Antimicrobial Pharmacist: 2244
Antimicrobial Technician: 6235

Podiatry: 01423 542972
Mobile: 07920073785

Harrogate District Hospital Contacts

01423 885959

Duty Microbiologist: via switchboard
Antimicrobial Pharmacist: 5715

Please consult CCG referral pathway for the diabetic foot