

ORAL ANTIBIOTICS/ANTIFUNGALS

Drugs/preparations	Dose	Notes
Amoxicillin	Under 1 year: 125mg tds; 1-7 years: 250mg tds; Over 7 years: 500mg tds; Adult: 1g tds	Rashes and loose stools may occur. 20% <i>H. influenzae</i> are resistant to amoxicillin
Azithromycin	<u>For acute infection:</u> Child: 10mg/kg/day od for 3 days Adult: 500mg od for 3 days <u>As chronic anti-inflammatory</u> Under 25 kg - 10mg/kg once daily three times a week 25 - 40 kg - 250mg once daily three times a week >40 kg - 500mg once daily three times a week	Monitor LFTs. Beware drug interactions which include antacids, warfarin and ciclosporin. See SmPC for full details. Discontinue flucloxacillin unless a macrolide resistant Staph, then treatment with both may be needed.
Cefaclor	Under 1 yr: 125mg tds; 1-7yrs: 250mg tds; >7yrs: 500mg tds	
Ciprofloxacin	Children: 20mg/kg bd (licensed aged 5-17 years). Max dose 750mg bd (unlicensed under 5 years) Adult: 750mg bd Eradication dose for <i>P.aeruginosa</i> infection: 12-25mg/kg bd (see page 46)	Beware drug interactions including ciclosporin, NSAIDs and theophylline. Calcium, magnesium salts and iron, taken at the same time of day, reduce absorption of ciprofloxacin. Photosensitivity is common. C/I in patients with joint disease. In summer sunblock should be applied.
Clarithromycin	<8kg: 7.5mg/kg bd; 1-2yrs: 62.5mg bd; 3-6yrs: 125mg bd; 7-9yrs: 187.5mg bd; >10yrs: 250mg bd Adult: 500mg bd	Suitable when erythromycin is not tolerated. Active against most <i>S. aureus</i> and <i>H. influenzae</i> . See erythromycin for drug interactions.
Clindamycin	4-7mg/kg qds Adult: 600mg qds	NB. Rarely causes pseudo-membranous colitis. Advise to stop drug and seek medical advice if any diarrhoea.
Co-trimoxazole	6wks-5mths: 120mg bd; 6mths-5yrs: 240mg bd; 6yrs-12yrs: 480mg bd Adult: 960mg bd. These may be increased by 50% in severe infection	Monitor blood counts in prolonged treatment e.g. treatment of <i>Stenotrophomonas maltophilia</i> . Discontinue if blood disorders or rash develop.
Erythromycin	50mg/kg/day in 2 or 4 divided doses OR under 2 years: 250mg bd; 2-8 years: 500mg bd; >8 years 1 g bd Adult: 1g qds	Drug interactions include ciclosporin, cimetidine, loratadine, itraconazole, tacrolimus, theophylline and warfarin. See SmPC for full details.
Flucloxacillin	50-100mg/kg/day in 3-4 divided doses Adult: 1g qds.	Continue long-term as prophylaxis. Dose may be given in 2 divided doses for convenience.
Itraconazole	5mg/kg daily in 1 or 2 divided doses. Capsules are not recommended in CF patients due to poor bioavailability, but are occasionally used in some patients. A higher dose may then be necessary to compensate for the poor bioavailability.	Do not take with food. Caution in liver disease. Trough levels may need monitoring. Treatment course should be regularly reviewed. Drug interactions include astemizole, cimetidine, ranitidine, ciclosporin, tacrolimus, erythromycin and clarithromycin. Caution with concurrent budesonide which may cause adrenal suppression.
Linezolid	Child <11 years: 10mg/kg tds; 12 years and above 600mg bd Adult: 600mg bd	Many side-effects including myelosuppression. Monitor FBC. CSM advice issued about risk of optic neuropathy, particularly if course exceeds 28 days. MAOI inhibitor therefore check BNF for interactions which include antidepressants, some analgesics and antipsychotics.
Posaconazole	Adult: 400mg bd Not licensed in children under 18 years Data exists for children age 8 or over, using adult doses.	Take with food. Restricted use only with microbiology approval
Rifampicin	Child: 10mg/kg bd. Maximum 600mg bd Adult: 600mg bd See MRSA policy (Appendix 15)	Use in combination with another appropriate antibiotic to prevent resistance. Monitor liver function in prolonged courses.
Sodium fusidate	1-5 years: 250mg (5ml) tds; 5-12 years: 500mg (10ml) tds; 12 years or more: 750mg (15mls) fusidic acid or 500mg (2 tabs) sodium fusidate tds Adult: 500 - 750mg tds	Avoid in liver disease. Use with flucloxacillin or another antibiotic to avoid antibiotic resistance. See MRSA policy (Appendix 15)

Trimethoprim	12 mg/kg/day in 2 divided doses Maximum dose 200mg bd	
Voriconazole	Age 2 -11 years: 200mg bd (regardless of age/ weight) Over 12 years and adults; Under 40kg: Day 1; 200mg bd, thereafter 100mg bd. If no improvement increase to 150mg bd. Over 40kg; Day 1; 400mg bd, thereafter 200mg bd. If no improvement increase to 300mg bd.	Many drug interactions including rifampicin, tacrolimus, sirolimus and omeprazole. Check SmPC. May prolong QT interval. Monitor for signs of liver and renal toxicity and visual disturbances. Photosensitivity is common (and may be permanent). Sunscreen should be worn at all times.