Adult CF Treatment of Infection Full Guideline – click here

NHS Tayside

Infective Exacerbation of Cystic Fibrosis in Adults

- All doses assume normal renal and hepatic function in non pregnant adults
- Courses are generally given for 14 days but on advice of CF team a shorter course of 7-10 days be appropriate for specific patients. A 3rd week may be considered if partial response

Organism	First line or ORAL treatment	Second line or IV treatment	Length of treatment/ Notes
Haemophilus influenzae and Staphylococcus aureus (MSSA)	Co-amoxiclav 625mg tds orally + Amoxicillin 500mg tds orally +/- Ciprofloxacin$ 750mg bd orally	**Penicillin allergy:** Doxycycline 100mg bd orally or Clarithromycin$ 500mg bd orally +/- Ciprofloxacin$ 750mg bd orally **Intravenous treatment:** Co-amoxiclav 1.2g every 8 hours IV + Ciprofloxacin$ 750mg bd orally	7 – 14 days
Pseudomonas aeruginosa	Co-amoxiclav 625mg tds orally + Amoxicillin 500mg tds orally *plus* Ciprofloxacin$ 750mg bd orally	Ceftazidime 2-3g tds IV (use higher dose for >60kg) or Piperacillin/tazobactam* 4.5g qds IV or Aztreonam 2g qds IV or Meropenem 2g tds IV Plus Tobramycin [see guideline] IV or Colistimethate sodium 2MU tds IV (<60kg reduce dose to 1.5MU tds)	14 days for treatment of chronic infection For eradication after first isolation see full guidance
Burkholderia cepacia	Co-trimoxazole 960mg bd orally + Minocycline$ 100mg bd orally or Chloramphenicol 500mg qds orally (see national guidance)	Ceftazidime 2-3g tds or IV (use higher dose for >60kg) or Piperacillin/tazobactam* 4.5g qds IV or Meropenem 2g tds IV or Temocillin† 2g tds IV plus another antibiotic from sensitivities	14 days
Stenotrophomonas maltophilia	Co-trimoxazole$ 1440mg bd orally	Minocycline$ 100mg bd orally or Co-trimoxazole 1440mg bd IV infusion	14 days
Achromobacter xylosoxidans	Co-trimoxazole$ 960mg bd orally or Minocycline$ 100mg bd orally or Chloramphenicol 500mg qds orally (see national guidance)	Piperacillin/tazobactam* 4.5g qds IV or Meropenem 2g tds IV or Temocillin† 2g tds IV	14 days
ABPA (*Aspergillus sp.*)	Prednisolone 0.5mg/kg od >60kg: 30mg 50-59kg: 25mg <50kg: 20mg Taper according to response over 2-3 months.	Poor response: add Itraconazole$ liquid >60kg: 200mg bd 40-59kg: 150mg bd <40kg: 100mg bd	3-6 months Serum level monitoring required see guidance

† Alert antibiotic – ID /Microbiology approval required before prescribing

$ Risk of significant drug interactions, check medication history before prescribing

* Given by IV infusion ideally

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