

Antimicrobial doses in CVVHD

Drug	Dose in CVVHD
Amoxicillin	IV/ORAL: Dose as in normal renal function.
Aztreonam	2g iv every 12 hours.
Benzylpenicillin	75% of total daily dose divided into 6 hourly dosing. For example: normal renal function: 2.4g 6 hourly CVVHD dosing :1.8g 6 hourly
Ceftazidime: 2g iv three times daily. Ceftazidime: 1g iv three times daily.	2g iv every 12 hours. 1g iv every 12 hours.
Ceftriaxone	Dose as in normal renal function.
Cefuroxime: 750mg iv three times daily. Cefuroxime: 1500mg iv three times daily.	750mg iv twice daily. 1500mg iv twice daily.
Ciprofloxacin: 750mg oral twice daily. 500mg oral twice daily.	IV: dose as in normal renal function. 500mg oral twice daily. 250mg oral twice daily.
Clarithromycin	500mg iv every 12 hours. 500mg oral twice daily.
Clindamycin	Dose as in normal renal function.
Co-amoxiclav	1.2g iv every 12 hours. ORAL: Dose as in normal renal function.
Co-trimoxazole	(PCP treatment): 60mg/kg iv twice daily for 3 days then 30mg/kg twice daily. Other indications 50% of usual dose. Consider monitoring levels.
Flucloxacillin	IV/ORAL: Dose as in normal renal function.
Levofloxacin: 500mg iv twice daily.	500mg iv for first dose, then 250mg iv every 24 hours thereafter.
Linezolid	IV/ORAL: Dose as in normal renal function.
Meropenem	1g iv every 12 hours.
Metronidazole	IV/ORAL: Dose as in normal renal function.
Rifampicin	IV/ORAL: Dose as in normal renal function.
Piperacillin/tazobactam	4.5g iv every 12 hours.
Teicoplanin	Days 1-3, dose as in normal renal function. Day 4 onwards, 30% of dose in normal renal function once daily.
Temocillin	1g iv every 24 hours.
Aciclovir: <ul style="list-style-type: none"> Herpes simplex treatment (normal/immunocompromised) Varicella zoster/Herpes zoster treatment (normal) Varicella zoster/Herpes zoster Treatment(immunocompromised) 	Use ideal body weight-consider monitoring blood levels. 5mg/kg iv every 24 hours. 5mg/kg iv every 24 hours. 10mg/kg iv every 24 hours.

Critical Care Guidelines
FOR USE IN CRITICAL CARE ONLY

Drug	Dose in CVVHD
Aciclovir <ul style="list-style-type: none"> Herpes simplex encephalitis Herpes zoster/varicella zoster encephalitis 	10mg/kg iv every 24 hours. 10mg/kg iv every 24 hours.
Anidulafungin	Loading dose and maintenance dose as in normal renal function.
Caspofungin	Loading dose and maintenance dose as in normal renal function.
Fluconazole	IV/ORAL: loading dose and maintenance dose as in normal renal function.
Vancomycin	See continuous intravenous vancomycin infusion guideline.

References

1. The Renal Drug Database. www.renaldrugdatabase.com. Accessed July 2018
2. Trotman R et al. Antibiotic dosing in critically ill adult patients receiving continuous renal replacement therapy. Clinical Infectious Diseases, Vol 41, Issue 8, 2005, p1159-1166

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