

Antimicrobial Dosing Recommendations in Patients on Renal Replacement Therapy (CRRT or HD)			
Antibiotic	CRRT - Standard Clearance	CRRT - High Clearance	Hemodialysis (HD)
Acyclovir	10 mg/kg/dose q12h	10 mg/kg/dose q12h	5 mg/kg/dose q24h Schedule after HD
Amikacin	10 mg/kg (max 500mg) x1 24h level, adjust based on TDL	10 mg/kg (max 500mg) x1 24h level, adjust based on TDL	10 mg/kg (max 500mg) x1 After HD with 24h level
Ampicillin, Ampicillin-Sulbactam	50 mg/kg/dose (max 2000 mg) q6h	50 mg/kg/dose (max 2000 mg) q6h	50 mg/kg/dose (max 1000-2000 mg) q12h
Cefepime	50 mg/kg/dose (max 2000 mg) q12h	50 mg/kg/dose (max 2000 mg) q12h via Extended Infusion	50 mg/kg/dose (max 1g) q24h Schedule after HD
Ceftazidime	50 mg/kg/dose (max 2000 mg) q12h	50 mg/kg/dose (max 2000 mg) q8h via Extended Infusion	50 mg/kg/dose (max 1000 mg) q48h Schedule after HD
Ceftaroline	10 mg/kg/dose (max 400mg) q8h	15 mg/kg/dose (max 600mg) q8h over 2 hours	4-6 mg/kg/dose (max 200mg) q8h Schedule after HD
Fluconazole	6-12 mg/kg/dose (max 800 mg) q24h	6-12 mg/kg/dose (max 800 mg) q24h	6-12 mg/kg/dose (max 800 mg) q24h Schedule after HD
Ganciclovir (Induction)	2.5 mg/kg/dose q24h	2.5 mg/kg/dose q24h	1.25 mg/kg/dose 3x/week Schedule after HD
Gentamicin	One time dose with 24h level, adjust based on TDL	One time dose with 24h level, adjust based on TDL	One time dose After HD with 24h level, adjust based on TDL
Meropenem	20 mg/kg/dose (max 2000 mg) q8h	40 mg/kg/dose (max 2000 mg) q8h via Extended Infusion	25 mg/kg/dose (max 1000 mg) q24h Schedule after HD
Metronidazole	No adjustment	No adjustment	4 mg/kg/dose (max 500mg) q6h
Piperacillin-Tazobactam	100 mg/kg/dose (max 4000 mg) q8h	75 mg/kg/dose (max 3000 mg) q6h via Extended Infusion	50-100 mg/kg/dose (max 4000 mg) q12h Schedule after HD
Sulfamethoxazole-Trimethoprim	No adjustment	No adjustment	5 mg/kg/dose q24h Schedule after HD
Tobramycin	One time dose with 24h level, adjust based on TDL	One time dose with 24h level, adjust based on TDL	One time dose After HD with 24h level, adjust based on TDL
Vancomycin	One time dose with 12-24h level, adjust based on TDL	One time dose with 12h level, adjust based on TDL	One time dose After HD with 24h level, adjust based on TDL
Key: Standard Clearance: < 5x, High Clearance: ≥ 5x, TDL: Therapeutic Drug Level, Extended Infusion: over 4 hours			

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