

Antimicrobial	Adult intraoperative dose	Infusion time	Half-life in NORMAL renal function (CrCl >50 mL/min) in hours	Intraoperative redosing interval (hours) in adults:					Y-site incompatibilities
				With NORMAL renal function (CrCl >50 mL/min)	With CrCl 10-50 mL/min	With CrCl < 10 mL/min	Receiving intraoperative HD session for ≥ 2.5-3 hours	Receiving CRRT (dialysate rate > 1 L/hr)	
Ampicillin-sulbactam	3 g	30 min	0.8-1.3	2	8	NA	Redose post-HD	8	cefazolin, ceftriaxone, cefuroxime, clindamycin, gentamicin, vancomycin
Azithromycin	500 mg	60 min	72	NA	NA	NA	NA	NA	aztreonam, ceftriaxone, cefuroxime clindamycin, pip/tazo
Aztreonam	2 g	30 min or IV push (3-5 min)	1.3-2.4	4	12	NA	Redose post-HD	12	metronidazole, vancomycin
Cefazolin	2 g for < 120 kg 3 g for >120 kg	30 min or IV push (3-5 min)	1.2-2.2	4	12	NA	Redose post-HD	12	amp/sulb, levofloxacin, vancomycin
Cefuroxime	1.5 g	30 min or IV push (3-5 min)	1-2	4	12	NA	Redose post-HD	12	amp/sulb, vancomycin

Ceftriaxone	2 g	30 min or IV push (3-5 min)	5.4-10.9	NA	NA	NA	NA	NA	amp/sulb, clindamycin, vancomycin
Clindamycin	900 mg	30 min	2-4	6	6	6	6	6	amp/sulb, ceftriaxone
Gentamicin	5 mg/kg based on total body weight (if total body weight >30% of ideal body weight, use adjusted body weight)	30 min	2-3	NA	NA	NA	Redose 2 mg/kg post-HD	NA	amp/sulb
Levofloxacin	750 mg	60 min	6-8	NA	NA	NA	NA	NA	cefazolin
Metronidazole	500 mg	30 min	6-8	12	12	12	Redose post-HD	12	aztreonam
Piperacillin-tazobactam	4.5 g	30 min	0.7-1.2	2	4	8	Redose post-HD	4	levofloxacin
				Liver transplantation and Whipple procedure: redose for up to 3 doses, then every 8 hours until end of surgery if necessary					
Vancomycin		1 g 60 min	4-8	12	NA	NA		12	

15 mg/kg based on total body weight rounded up to nearest 250 mg (max 2.5 g)	1.25 g 75 min 1.5 g 90 min 1.75 g 105 min 2 g 120 min					Redose 7.5 mg/kg post-HD		amp/sulb, aztreonam, cefazolin, ceftriaxone, cefuroxime
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