

TITLE: ANTI-INFECTIVES, INTRAVENOUS: STANDARD ADULT RECOMMENDATIONS

GUIDELINES:

Based on recommendations from the Subcommittee on Anti-Infective Use and the Formulary and Therapeutics Committee, these guidelines shall be used by prescribers and pharmacy personnel to aid in the dosing of antimicrobials.

PURPOSE:

To aid in the adult dosing of intravenous antimicrobials and providing a guideline on how to round the dose to the appropriate number of milligrams when dosing patients based on weight.

APPLICABILITY:

CUMC, WC, Allen

PROCEDURE:

1. Identify intravenous antimicrobial to be administered in patient.
2. Refer to usual dose table or calculate the patient’s dose based on weight.
3. Refer to table on instructions on how to round the intravenous dose.

DRUG	Common Adult Dose	DRUG	Common Adult Dose
Ampicillin sodium IV	1 g	Imipenem/cilastatin IV	500 mg
	2 g		750 mg
Ampicillin/sulbactam IV	1.5 g	Levofloxacin IV	250 mg
	3 g		500 mg
Azithromycin IV	500 mg		750 mg
Aztreonam IV	1 g	Linezolid IV	600 mg
	2 g	Meropenem IV	500 mg
Cefazolin IV	1 g		2 g
	2 g	Metronidazole IV	250 mg
Cefepime IV	1 g		500 mg
	2 g	Micafungin IV	50 mg
Cefoxitin IV	1 g		100 mg
	2 g	Doxycycline hyclate IV	100 mg
Ceftazidime IV	1 g		200 mg
	2 g	Oxacillin IV	1 g
Ceftriaxone IV	1 g		2 g
	2 g	Penicillin G IV (sodium and potassium salts)	1 million units
Cefuroxime IV	750 mg		2 million units
	1.5 g		3 million units
Clindamycin IV	300 mg		4 million units
	600 mg	Piperacillin/tazobactam IV	4.5 g
	900 mg		Rifampin IV
Erythromycin lactobionate	500 mg	600 mg	

DRUG	COMMON ADULT DOSE	Round each dose to nearest...
Acyclovir IV	2.5 – 10 mg/kg/dose	50 mg
Amikacin IV extended interval dosing	5 – 7.5 mg/kg/dose 15 – 20 mg/kg/dose	50 mg
Amphotericin B IV	0.5 – 1.5 mg/kg/dose	10 mg
Lipid amphotericin B (Abelcet)	5 mg/kg/dose	50 mg
Chloramphenicol IV	25 mg/kg/dose	100 mg
Cidofovir IV	5 mg/kg/dose	50 mg
Daptomycin IV	6 – 8 mg/kg/dose	25 mg
Fluconazole IV	3 – 6 mg/kg/dose 12 mg/kg/dose	200 mg
Foscarnet IV	20 – 120 mg/kg/dose	100 mg
Ganciclovir IV	0.625 – 1.25 2.5 – 5 mg/kg/dose	10 mg 25 mg
Gentamicin sulfate IV extended interval dosing Cystic fibrosis extended interval dosing	1 mg/kg/dose >1 – 2.5 mg/kg/dose 5 – 7 mg/kg/dose 7 – 10 mg/kg/dose	10 mg 20 mg
Pentamidine IV	4 mg/kg/dose	20 mg
Polymyxin B sulfate IV	1 mg/kg/dose >1 – 3 mg/kg/dose	10 mg 25 mg
Quinupristin/dalfopristin IV	7.5 mg/kg/dose	50 mg
Tobramycin sulfate IV extended interval dosing Cystic fibrosis extended interval dosing	1 mg/kg/dose >1 – 2.5 mg/kg/dose 5 – 7 mg/kg/dose 7 – 10 mg/kg/dose	10 mg 20 mg
Trimethoprim/sulfamethoxazole IV IVE	2.5 – 5 mg/kg/dose	80 mg
Vancomycin IV Loading doses CrCL > 30 mL/min Loading doses CrCL < 30 mL/min	12 – 20 mg/kg/dose 25 – 30 mg/kg first 20 – 25 mg/kg first	250 mg
Voriconazole IV	2 – 6 mg/kg/dose	25 mg

RESPONSIBILITY:

Joint Subcommittee on Anti-Infective Use

POLICY/GUIDELINE DATES:

Issued: February 2004
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