

Northside Hospital

Pre-Operative Antibiotic Dose and Re-Dosing Intervals

Adapted from ASHP/IDSA/SIS/SHEA 2013 Guideline

Antibiotic	Dose (IV) [#] (automatically convert per Pharmacy TI Policy)	Re-Dosing Interval (hr) (not automatic, pharmacist to contact physician with recommendation)
Ampicillin/sulbactam (Unasyn)	3 grams	2
Ampicillin	2 grams	2
Aztreonam (Azactam)	2 grams	4
Cefazolin (Ancef)	2 grams 3 grams if $\geq 120\text{kg}$	4* *Re-dose q2h for cardiac surgeries
Cefuroxime (Zinacef)	1.5 grams	4
Cefotaxime (Claforan)	1 gram	3
Cefoxitin (Mefoxin)	2 grams	2
Cefotetan	2 grams	6
Ceftazidime (Fortaz)	2 grams	4
Ceftriaxone (Rocephin)	2 grams	N/A
Ciprofloxacin (Cipro)	400 mg	N/A
Clindamycin	900 mg	6
Ertapenem (Invanz)	1 gram	N/A
Fluconazole (Diflucan)	400 mg	N/A
Gentamicin	5 mg/kg adjusted body weight in obesity (round to nearest 10mg)	N/A* *Re-dose q6h if dose lower than 5mg/kg
Levofloxacin (Levaquin)	500 mg	N/A
Metronidazole (Flagyl)	500 mg	N/A
Moxifloxacin (Avelox)	400 mg	N/A
Pip/Tazo (Zosyn)	4.5 gram (per Zosyn policy)	2
Vancomycin	15 mg/kg adjusted body weight in obesity (round to nearest 250mg, min 1g, max 2g)	12* *Re-dose q8h if dose lower than 15mg/kg

Source: Am J Health Syst Pharm 70:195, 2013

[#]These doses represent the minimums needed to ensure adequate prophylaxis. Physicians may choose to give larger doses. Pharmacy will not automatically decrease doses without contacting the physician.

Adjusted Body Weight = $0.4 \times (\text{Actual} - \text{Ideal Weight}) + \text{Ideal Weight}$

Ideal Body Weight Males (kg): $50 \text{ kg} + (2.3 \times \text{height in inches} > 60 \text{ in})$

Ideal Body Weight Females (kg) : $45.5 \text{ kg} + (2.3 \times \text{height in inches} > 60 \text{ in})$