

Empirical Antibiotic coverage in ICU

Disease	Defintion	First Line	Second line	Duration
HAP/VAP	HAP: occurring > 48h after admission VAP: occurring > 48h after intubation	Vancomycin + Pip/Tazo Or Vancomycin + Cefepime	Vancomycin + Aztreonam + Tobramycin	7 days Stop Vanc if MRSA not isolated after 72h
UTI	1-4 days since admission: > 4 days since admission:	Ceftriaxone Pip/tazo	Aztreonam Aztreonam	Uncomplicated: 7 days Complicated: 7-14 days
C. Diff	Initial (mild): WBCs < 15k & Cr is normal Initial (severe): WBCs > 15k or Cr 1.5 times baseline Initial (complicated): Hypotension, ileus 1st Recurrent: 2nd Recurrence:	Metronidazole 500mg tid Vanc PO 125mg q6h Vanc PO 500mg q6h + Metronidazole IV 500mg q8h Same as first episode Vanc taper or pulse regimen		14 days 14 dyas Till Sx resolve
Cellulitis	No abscess or penetrating trauma (consider strept) Abscess or penetrating trauma (consider MRSA)	IV: Nafcillin 2gm q4h or Cefazolin 2gm q8h PO: Cephalexin 500mg q6h or Clindamycin 300 q8h IV: Vancomycin PO: Sulpha/Trimethoxazole DS 2tabs bid		
Surgical site infection	Clean wound: Perineal, GI,genital surgery:	Nafcillin 2gm q4h or Cefazolin 2gm q8h Metronidazole 500 IV q6h + Cefazolin or Ceftriaxone		

Surgical prophylaxis

Surgery	1 st line	2 nd line
Neurosurgery	Cefazolin or Cefuroxime	Vancomycin or Clindamycin
Head & Neck	Cefazolin or Cefuroxime or Unasyn	Vancomycin or (Clindamycin + Gentamicin)

Price of commonly used antibiotics:

Vancomycin 1 gm: \$4.28, Metronidazole 500 mg: \$1.10; Ciprofloxacin 400 mg: \$1.70; Levofloxacin 500 mg: \$3.84; Cefazolin 2 gm: \$2.00; Cefoxitin 2 gm: \$6.10; Cefuroxime 1.5 gm: \$3.57; Clindamycin 900 mg: \$7.85; **Ertapenem 1 gm: \$77.94**; Gentamicin 80 mg: \$0.69;