Cheatography

MCPIV DRUG LIST 1 Cheat Sheet by olkimmilo via cheatography.com/42456/cs/12778/

B-LACTAMS	ANTI-STAPHYLOCOCCAL PENICILLINS
PENICILLINS	METHICILLIN No longer used in US
CARBAPENEMS	NAFCILLIN Excreted biliary
CEPHALOSPORINS	OXACILLIN Excreted by kidney and biliary
MONOBACTAMS	DICLOXACILLIN Excreted by kidney and biliary
GLYCOPEPTIDES	CLOXACILLIN Excreted by kidney and biliary
Tetracyclines – impairs the bactericidal effects of B-lactams	Indications: MSSA, MSSE, Bone, joint, urinary tract, skin, endocarditis,
PENICILLINS	meningitis
MOA Bind to transpeptidases and block cross-linking of peptidog	AMINOPENICILLIN (EXTENDED-SPECTRUM)
residues resulting in weak cell walls and bacterial lysis in bacteria	AMPICILLIN UTI, sinusitis, otitis, lower respiratory tract infections
that are actively growing	AMOXICILLIN
PK Excreted really Penetration into the eye, prostate, and CNS is poor, Absorption impaired by food-take 1-2 hrs before or after meal to prevent protein binding, acid inactivation	Indications: Respiratory infections, UTI, skin, bacterial meningitis, septicemia, endocarditis, GI infections (typhoid fever , dysentery)
AE Hypersensitivity, anaphylaxis, super infections, diarrhea, convulsions (high dose, renal failure, epileptic pts), hematolgic toxicities, nephritis, cation toxicity	More expensive ANTI-PSEUDOMONAL (UREIDO-PENICILLIN)
PENICILLINS	CARBENICILLIN No longer used in US
	PIPERACILLIN Most potent
PENICILLIN G Unstable in acidic pH, given IV over IM More active against gram-negative organisms (i.e.,	TICARCILLIN
Neisseria) than penicillin V.	PIPERACILLIN-TAZOBACTAM
PENICILLIN V More resistant to acid	TICARCILLIN-CLAVULANIC ACID
Penicillin G procaine and Penicillin G benzathine (i.m.) - formulated to delay absorption, resulting in prolonged blood and tissue concentrations.	Indications: Folliculitis, osteomyelitis, endocarditis, UTI, respiratory tract, wounds, bacteremia, CNS
	Formulation of ticarcillin and piperacillin with β -lactamase inhibitors (formulation with clavulanic acid or tazobactum, respectively), extends the antimicrobial spectrum to include penicillinase-producing organisms
	NOTES PENICILLINS

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PROBENICID	Increases serum levels of penicillins	
NAFCILLIN	Only one not excreted renally	
AMOXICILLIN	Only one that doesn't undergo acid inactivation (absorption not impaired by food)	

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