## Cheatography

## **OTHER B LACTAMS Cheat Sheet** by olkimmilo via cheatography.com/42456/cs/12779/

CEPHALOSPORINS			4TH GENERATION CEPHALOSPORIN		
	Respiratory, UTI, skin/bone infections, septicemia,	CEFIPIN	CEFIPIME Only one in the US, penetrates CNS		
	gonorrhea, bacterial meningitis Hypersensitivity, NVD, pain at IM injection site	5TH GENERATION CEPHALOSPORIN			
	TION CEPHALOSPORINS	CEFTAF	ROLINE BIPROLE	metabolized in plasma, majority excreted in urine	
CEPHALEXIN	N Only 1st gen parenteral still used Long T½ Surgical prophylaxis, UTI, SSTI	<b>CARBA</b> DORIPE	PENEMS		
	in G substitutes and have activity against Proteus mirabilis, ebsiella pneumoniae (PEcK)	IMIPINE	M-CILASTIN ENEM	I Inactivated by dehydropeptidases in renal tubes Greater activity against gram negative aerobes and less activity against gram positives compared to imipenem	
2ND GENENRATION CEPHALOSPORINS		ERTAPE	INEM		
CEFUROXIM CEFOXITIN CEFOTETAN		extende	Indications : infections resistant to other drugs, enterbacter infections, extended spectrum B lactam producing gram negatives PK: penetrates CNS, cleared by kidney		
CEFONICID	DLE AE: hypoprothrominemia, disulfiram-like rxns with ethanol		MONOBACTAMS AZTREONAM Indications: pts allergic to penicillins and/or		
<b>Indication:</b> community-acquired infections of the respiratory tract (H. influenzae, Moraxella catarrhalis, S. pneumoniae) and UTI (Escherichia coli)		cephalosporins to treat pneumonia, meningitis, and sepsis, penetrates CNS No activity against gram-positive organisms			
			ity against gi		
3RD GENER	ATION CEPHALOSPORINI	BACITR	ACIN (topic	al)	
CEFIXIME CEFDINIR CEFTAZIDIM		MOA	dephosphor	wall formation by interference with the ylation of the C55-isoprenyl pyrophosphate, a at carries the building-blocks of the peptidoglycan I wall	
CEFOXATIME		Indica tions CYCLOS MOA	used topical	rotoxic when administered systemically and is thus ly for gram positive cocci and bacilli skin infections ral analog of D-alanine and inhibits the incorporation	
CEFOTAXIME		Indicatio	of D-ala	anine into peptidoglycan pentapeptide chain tuberculosis	
CEFOPERAZ		Toxicity		s dose-related CNS toxicity	

Indications: Hospital-acquired gram-negative bacteremia

ethanol



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GLYCOPEPTIDES			GLYCOPEPTIDES (cont)		
VANCOMYCIN	Resistance in enterococci dev modification in binding site (D lactate) and increased number ala residues (S. aureus) Effective against gram positiv lactamases and those resistar and methacillin (MRSA, MRS penicillin or cephalosporin	-ala-D-ala D- ers of D-ala-D- e producing nt to nafcillin	DAPTOMYCIN	Long half life of 6-11 days allows for weekly dosing Methicillin-susceptible and methicillin-resistant Streptococcus pneumoniae, Streptococcus pyogenes, Corynebacterium jeikeium, E. faecalis and E. faecium (including VRE) Indications: skin infections and bacteremia caused by S. aureus AE: constipation, nausea, HA, insomnia	
	Indications: infections cause (sepsis, endocarditis), penicill enterococci, individuals with p valve, oral administration of a induced colitis due to C. diff	in-resistant prosthetic heart	FOSFOMYCIN	MOA: inhibits UDP-N acetylglucosamine 3-Enolpyruvte transferase Indications: UTI	
	SE: fever, chills, phlebitis				
VANCO + GENT	Use: enterococcal endocarditi allergy)	is (penicillin			
VANCO + CEFTRIAXONE VANCO + CEFOTAXIME VANCO + RIFAMPIN	Use: meningitis (penicillin-res pneuomococcus	istant strain of			
TELAVANCIN	Two mechanisms of action; fin as vancomycin and the secon the bacterial cell membrane p increases membrane permea	nd is it disrupts notential and			
	t1/2 is 8 hours allowing for da	ily dosing			
	Teratogenic				
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