Cheatography

PROTEIN SYNTHESIS INHIBITORS Cheat Sheet by olkimmilo via cheatography.com/42456/cs/12777/

TETRACYCLINES				MACROLI	MACROLIDES/KETOLIDES (cont)		
Indications	Rickettsial infections (rocky mountain spotted fever), chlamydia, lyme disease, mycoplasmal infections, chronic severe acne, cholera, gastric/duodenal ulcer caused by H. pylori			TELITHR OMYCIN	Effective against macrolide-resistant organisms Indications: respiratory tract infections, including community-acquired bacteria pneumonia, acute		
PK	Excreted in bile, urine, breast milk, undergo enterohepatic circulation					of chronic bronchitis, sinusitis and strepto	
GI	GI, deposition of drug in bones and teeth, liver failure, phototoxicity, vertigo, avoid in pregnant			Indications: community acquired pneumonia (mycoplasma, legionella chlamydia), pertussis, campylobacter jejuni gastroenteritis, MAC (azalides)			
TETRACYC	LINES						
SHORT (CHLORTETRACYCLINE				PK: Well distributed, CNS penetration limited except with inflammatio Most of drug is concentrated in the liver and excreted in the bile, some		
	TETRACYCLINE			inactivated in the liver by demethylation.			
(OXYTETRACYCLINE						
INTERM I EDIATE	DEMECLOCYCLINE		treats SIADH		ndice, ototoxicity		
I	METHACYCLINE			Bacteriosta	tic, bactericio	dal at high doses	
LONG	DOXYCY	CLINE	treat infections in pts with anuria (eliminates via bile, feces)	OTHERS			
I	MINOCYCLINE		achieves high CNS concentrations in the absence of inflammation, metabolized in liver	CLINDAMY	'CIN	Indications: pencillin-resistant anaerobic infections Clinical use: SSTI Pharmacology: high bone concentrations	
MACROLID						Toxicity: diarrhea, allergy, skin rashes, pseudomembranous colitis caused by	
AZITHROMYCIN		longest t1/	s-resistance with erythromycin 2	CHLORAN	IPHENICOL	overgrowth of C. diff Indications: Rickettsiae (typhus and Rocky	
		Advantag	es: less GI disturbances			Mountain spotted fever); bacterial meningit Clinical use: eye infections	
CLARITHROMYCIN		show cross-resistance with erythromycin				AE: GI disturbances, gray baby syndrome, aplastic anemia	
		Advantage: lower incidence of GI disturbances, less frequent dosing				PEARL: Because of its toxicity and resistar its use is restricted to life-threatening infecti	
ERYTHROMYCIN		CIN MOA: Interferes with aminoacyl translocation, preventing the transfer of the tRNA bound at the A site of the 50S rRNA complex to the P site of the rRNA complex Destroyed by gastric acid and must be enteric		STREPTO	GRAMINS	for which no alternative exists	
				QUINUPRI		AE: venous irritation, athralgia and myalg hyperbilirubinemia	
		coated					

By olkimmilo cheatography.com/olkimmilo/

Published 11th September, 2017. Last updated 11th September, 2017. Page 1 of 2.

Sponsored by CrosswordCheats.com Learn to solve cryptic crosswords! http://crosswordcheats.com

the body, excreted renally and non-renally

AE: GI upset

Cheatography

PROTEIN SYNTHESIS INHIBITORS Cheat Sheet by olkimmilo via cheatography.com/42456/cs/12777/

AMINOGLYCOSIDES STREPTOMYCIN 2nd line agent for the treatment of tuberculosis in combination with other agents to prevent emergence of resistance AE: vestibular disturbances GENTAMICIN Intrathecal Indications: mainly used in combo for severe infections (sepsis and pneumonia) caused by resistant strains of gram negative bacteria, infected burns/woulds/lesions, prevention of catheter infections GENT+B-Synergistic effect against pseudomonas, proteus, LACTAM enterobacter, klebsiella, serratia, stenotrophomonas, and other gram negative rods that are resistant to multiple antibiotics TOBRAMYCIN Inhalation Cautioned in pts with preexisting renal, vestibular or hearing disorders STREPTO+PCN Used for tuleremia and enterococcal carditis KANAMYCIN Kanamycin-resistant strains may be cross-resistant to (topical only) amikacin AMIKACIN Semisynthetic derivative of kanamycin, less toxic Indications: tx microorganisms resistant to gentamicin and tobramycin NEOMYCIN Indications: reduce the risk of infections during (topical only) bowel surgery

AMINOGLYCOSIDES (cont)

SPECTIN	Indications: alternative treatment for drug-resistant			
OMYCIN	gonorrhea or gonorrhea in pcn-allergic pts			
	No cross-resistance with other drugs used in gonorrhea			
	AE: pain at injection site, fever, nausea			
AE: Ototoxicity (reversible), nephrotoxicity (reversible),				

neuromuscular blockade

PK: Levels in most tissue are low. No CNS penetration. High accumulation in renal cortex and lymph of inner ear. Excreted into the urine by glomerular filtration. Accumulation occurs in patients with renal failure, not metabolized

Used against aerobic gram negative bacilli Exhibit concentration-dependent killing Postantibiotic effect



By olkimmilo

cheatography.com/olkimmilo/

Published 11th September, 2017. Last updated 11th September, 2017. Page 2 of 2. Sponsored by CrosswordCheats.com Learn to solve cryptic crosswords! http://crosswordcheats.com