

Anti-Microbial Agents

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Groups	Drugs	MOA	C/I	M.C. Side Effects
Beta-Lactams	All Penicillins, Cephalosporine	Inhibits Bacterial Cell Wall Synthesis	Hypersensitivity	Hypersensitivity Reaction/Anaphylactic Reaction
Quinolones	Norfloxacin, Ciprofloxacin, Ofloxacin, Pefloxacin, Levofloxacin, Sparfloxacin, Moxifloxacin, Nalidixic Acid, Vancomycin	Inhibits Bacterial DNA Gyrase Enzyme	Infants	GI Upset (Nausea, Vomiting)
Macrolides	Erythromycin, Azithromycin, Roxithromycin, Clarithromycin	Inhibits Protein Synthesis	Hepatic Dysfunction	Epigastric Distress (Nausea, Vomiting)
Tetracyclines	Chlortetracycline, Oxytetracycline, Tetracycline, Demecocycline, Methacycline, Doxycycline, Minocycline	Inhibits Protein Synthesis	Pregnant, Lactation, <12 Years Child, Hepatic Disease, Kidney Disease	Diarrhoea
Aminoglycosides	Streptomycin, Kanamycin, Amikacin, Gentamycin, Neomycin, Tobramycin	Inhibits Protein Synthesis	Prepregnancy, Renal Failure	Ototoxicity
Chloramphenicol		Inhibits Protein Synthesis	Pregnancy, Lactation, Hepatic Disease, Premature Babies	Abdominal Discomfort (Nausea, Vomiting, Diarrhea)
Sulfa Drugs	Sulfamethoxazole, Sulfadiazine, Sulfamoxole	Inhibits Folic Acid Synthesis	Infants, Anaemia, Pregnancy, Renal Compromised	Abdominal Discomfort (Nausea, Vomiting, Diarrhoea)

- Aminoglycosides, Fluoroquinolones, Sulphonamides, Tetracycline, Clarithromycin, Erythromycin Are Contraindicated In Pregnancy.
- Penicillin, Erythromycin, Streptomycin, Sulfa Drug, Trimethoprim Are Narrow Spectrum.
- Ampicillin, Amoxicillin, Tetracycline, Chloramphenicol, Ciprofloxacin, Levofloxacin, Norfloxacin, Cotrimoxazole Are Broad Spectrum.
- Tetracycline, Chloramphenicol, Erythromycin, Sulfonamide, Ethambutol Are Bacteriostatic.
- Penicillin, Cephalosporin, Cotrim, INH, Rifampicin, Fluoroquinolone, Pyrazinamide, Streptomycin Are Bactericidal.
- Gentamycin, Amikacin, Tobramycin, Netilmycin Use For Gram Negative Organism.