

In addition to Comprehensive Math Review (over 100+ pages), Disease/Infectious State, PK, USP 795/797, OTC. There are 28 pages for these posters which include antimicrobial review. HIV, Oncology, Diabetes, Herbals, Vaccines, Mental Health Medications.

Drugs Available in Pulvules Dosage-Form	List of CYP3A4 inhibitors	List of CYP3A4 inducers	Commonly used abbreviations (cont.)
1) cefaclor ( <b>Ceclor</b> ) 4) cycloserine ( <b>Seromycin</b> ) 5) fluoxetine ( <b>Prozac</b> ) 6) loracarbef ( <b>Lorabid</b> ) 7) nizatidine ( <b>Axid</b> ) 8) secobarbital ( <b>Seconal</b> ) 9) vancomycin ( <b>Vancocin</b> )	1) amiodrone 2) anastrozole 3) azithromycin 4) cannabinoids 5) cimetidine 6) clarithromycin 7) clotrimazole 2) cyclosporine 9) danazol 10) delavirdine 11) dexamethsone	1) carbamazepine 2) dexamethasone 3) ethosuximide 4) glucocorticoids 5) griseofulvin 6) phenytoin 7) primidone 3) progesterone 10) rifampin 11) nafcillin 12) nelfinavir	15) prn (as needed) 16) hs (at bedtime) 17) am (morning, before noon) 18) pm (evening, after noon)
<b>Drugs available in an ODT dosage-form</b>	1) diethylthiocarbamate 13) diltiazem 14) dirithromycin 15) disulfiram 16) entacapone (high dose) 17) erythromycin 18) ethinyl estradiol 19) fluconazole 20) fluoxetine 21) fluvoxamine 22) gestodene 23) Grapefruit juice 24) indinavir 25) isoniazid 26) ketoconazole 27) metronidazole 28) mibefradil 29) miconazole 30) nefazodone 31) nelfinavir 32) nevirapine 33) norfloxacin 34) norfluoxetine 35) omeprazole 36) oxiconazole 37) paroxetine (weak) 38) propoxyphene 39) quinidine 40) quinine 41) quinupristin and dalfopristin 42) ranitidine 43) ritonavir 44) saquinavir 45) sertindole 46) sertraline 47) troglitazone 48) troleandomycin 49) valproic acid	2) nevirapine 14) oxcarbazepine 15) phenobarbital 16) phenylbutazone 17) rofecoxib (mild) 18) St. John's wort 19) sulfadimidine 20) sulfipyrazone 21) troglitazone	<b>Commonly Used Calculation Units</b>
1) alprazolam ( <b>Niravam</b> ) 2) aripiprazole ( <b>Abilify Discmelt</b> ) 3) aspirin ( <b>Fasprin</b> ) 4) benzocaine ( <b>Cepacol Fizzlers</b> ) 1) carbidopa + levodopa ( <b>Parcopa</b> ) 2) certirizine ( <b>Zyrtec</b> ) 3) clonazepam ( <b>Klonipin Wafers</b> ) 4) clozapine ( <b>FazaClo</b> ) 5) desloratadine ( <b>Clarinx RediTabs</b> ) 6) donepezil ( <b>Aricept</b> ) 7) fexofenadine ( <b>Allegra</b> ) 8) hyoscyamine ( <b>NuLev, Symax FastTabs</b> ) 9) lamotrigine ( <b>Lamictal</b> ) 10) lansoprazole ( <b>Prevacid SoluTab</b> ) 11) loratadine ( <b>Claritin RediTabs, Alavert</b> ) 12) metoclopramide ( <b>Metozolv</b> ) 13) mirtazapine ( <b>Remeron SolTab</b> ) 14) olanzapine ( <b>Zydis</b> ) 15) ondansetron ( <b>Zofran</b> ) 16) phentermine ( <b>Suprenza</b> ) 17) prednisolone ( <b>Orapred</b> ) 18) rimegepant ( <b>Nurtec ODT</b> ) 19) risperidone ( <b>Risperdal-M</b> ) 20) rizatriptan ( <b>Maxalt-MLT</b> ) 21) selegiline ( <b>Zelapar</b> ) 22) simvastatin ( <b>Zocor</b> ) 23) tramadol ( <b>Ultram, Rybix</b> ) 24) vardenafil ( <b>Staxyn</b> ) 25) zolmitriptan ( <b>Zomig</b> )		1) carbamazepine 2) fluroquinolones 3) griseofulvin 4) isotretinoin 5) oral sulfonylureas 6) phenothiazines 7) methotrexate 8) SMZ/TMP 9) sulfonamides 10) tetracyclines 11) thiazide diuretics 12) tricyclic antidepressants	1 kilogram = 1000 grams 1 gram = 1000 milligrams 1 mg = 1000 micrograms 1 microgram = 10 <sup>-6</sup> 1 nanogram = 10 <sup>-9</sup> 1 grain = 65 milligrams 1 liter = 1000 ml 1 ounce (oz) = 10 ml 16 ounce (oz) = 480 ml (1 pint) 1 pint = 480 ml 1 quart = 960 ml (2 pints) 1 gallon = 3840 ml (8 pints = 4 quarts) 1 kg = 2.2 lbs 1 lb = 454 grams 1 teaspoonful = 5 ml 1 tablespoonful = 15 ml 1 teacupful = 120 ml 1 gram hydrous dextrose = 3.4 calories/kcal 1 gram anhydrase dextrose = 4 calories/kcal 1 gram fat = 9 calories/kcal 1 gram protein = 4 calories/kcal
		<b>Drugs that cause photosensitivity</b>	
		<b>Commonly used abbreviations</b>	
		1) aa (of each) 2) ATC (around the clock) 3) ac (before meals) 4) pc (after meals) 5) AAA (apply to affected area) 6) ad (right ear) 7) as (left ear) 8) au (each ear) 9) gtt (drop) 10) od (right eye) 11) os (left eye) 12) ou (each eye) 13) po (by mouth, orally) 14) pr (per rectum) 15) prn (as needed) 16) hs (at bedtime) 17) am (morning, before noon) 18) pm (evening, after noon)	

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### Cardiovascular Drugs

Antiarrhythmics	Ca-Channel Blockers	Renin Inhibitor	B. Statins
<b>Class 1A Antiarrhythmic</b>	1) Nifedipine ( <b>Adalat, Procardia</b> ) 2) Nimodipine ( <b>Nimotop</b> ) 3) Diltiazem ( <b>Cardizem, Tiazac</b> ) 4) Verapamil ( <b>Calan, Verelan, Isoptin, Covera</b> ) 5) Isradipine ( <b>DynaCirc</b> ) 6) Felodipine ( <b>Plendil</b> ) 7) Amlodipine ( <b>Norvasc</b> ) 8) Nisoldipine ( <b>Sular</b> ) 9) Nicardipine ( <b>Cardene</b> ) 10) Clevidipine ( <b>Cardene</b> ) 11) Bepridil ( <b>Vasacor</b> )	1) Aliskiren ( <b>Tekturna</b> )	1) atorvastatin ( <b>Lipitor</b> ) 2) fluvastatin ( <b>Lescol, Lescol XL</b> )
1) quinidine 2) procainamide ( <b>Procanbid, Pronestyl, Procan SR</b> ) 3) disopyramide ( <b>Norpace, Rythmodan</b> )		1) Nitroglycerin ( <b>Nitro-Dur, Nitrostat, Transdermal-Nitro, Minitran</b> ) 2) Minoxidil ( <b>Loniten</b> ) 3) Hydralazine ( <b>Apresoline</b> )	3) lovastatin ( <b>Altacor, Altoprev, Mevacor</b> ) 3) pravastatin ( <b>Pravachol</b> ) 4) pitavastatin ( <b>Livalo</b> ) 5) rosuvastatin ( <b>Crestor</b> ) 6) simvastatin ( <b>Zocor</b> )
<b>Class 1B Antiarrhythmic</b>		<b>Loop Diuretics</b>	<b>C. Fibrin acid Derivatives</b>
1) lidocaine ( <b>Arestocaine</b> ) 2) Tocainide ( <b>Tonocard</b> ) 3) Phenytoin ( <b>Dilantin</b> ) 4) Mexiletine ( <b>Mexitil</b> )		1) bumetanide ( <b>Bumex</b> ) 2) ethacrynic acid ( <b>Edecrin</b> ) 3) furosemide ( <b>Lasix</b> ) 4) torsemide ( <b>Demadex</b> )	1) fenofibrate ( <b>Tricor, Lipofen, Lofibra</b> ) 2) fenofibric acid ( <b>Trillipix, Fibrico</b> ) 3) clofibrate ( <b>Atromid</b> ) 4) gemfibrozil ( <b>Lopid</b> )
<b>Class 1C Antiarrhythmic</b>		<b>Cardio-selective Beta Blockers</b>	<b>D. Cholesterol absorbing inhibitor</b>
1) Flecainide ( <b>Tambocor</b> ) 2) Propafenone ( <b>Rythmol</b> ) 3) Moricizine ( <b>Ethmozine</b> )		1) Atenolol ( <b>Tenormin</b> ) 2) acebutolol ( <b>Sectral</b> ) 3) metoprolol ( <b>Lopressor, Toprol</b> ) 4) nebivolol ( <b>Bystolic</b> ) 5) bisoprolol ( <b>Zebeta</b> ) 6) esmolol ( <b>Brevibloc</b> )	1) ezetimibe ( <b>Zetia</b> )
<b>Class II Antiarrhythmic</b>		<b>ACE Inhibitors</b>	<b>E. Miscellaneous</b>
1) Propranolol ( <b>Inderal, Inderal LA, InnoPran XL</b> ) 2) Acebutolol ( <b>Sectral</b> ) Esmolol ( <b>Brevibloc</b> )		1) captopril ( <b>Capoten</b> ) 2) fosinopril ( <b>Monopril</b> ) 3) ramipril ( <b>Altace</b> ) 4) moexipril ( <b>Univasc</b> ) 5) lisinopril ( <b>Zestril, Prinivil</b> ) 6) quinapril ( <b>Accupril</b> ) 7) enalapril ( <b>Vasotec</b> ) 8) Trandolapril ( <b>Mavik</b> ) 9) Perindopril ( <b>Aceon</b> ) 10) benazepril ( <b>Lotensin</b> )	1) Niacin ( <b>Slo-Niacin, Niaspan, Niacor, Nicotinx</b> )
<b>Class III Antiarrhythmic</b>		<b>Angiotensin II receptor Blockers</b>	<b>Antihypertensive Combinations</b>
1) Amiodarone ( <b>Cordarone, Pacerone</b> ) 2) Sotalol ( <b>Betapace</b> ) 3) Dofetilide ( <b>Tikosyn</b> ) 4) Ibutilide ( <b>Corvert</b> ) 3) Dronedarone ( <b>Multaq</b> )		1) eprosartan ( <b>Teveten</b> ) 2) olmesartan ( <b>Benicar</b> ) 3) azilsartan ( <b>Edarbi</b> ) 4) telmisartan ( <b>Micardis</b> ) 5) losartan ( <b>Cozaar</b> ) 6) valsartan ( <b>Diovan</b> ) 7) canesartan ( <b>Atacand</b> ) 8) Irbesartan ( <b>Avapro</b> )	1) atorvastatin + amlodipine ( <b>Caduet</b> ) 2) atrovastatin + ezetimibe ( <b>Liptruzet</b> ) 3) pravastatin + aspirin ( <b>Pravigard PAC</b> ) 4) simvastatin + ezetimibe ( <b>Vytorin</b> ) 5) simvastatin + sitagliptin ( <b>Juvisync</b> ) 6) simvastatin + niacin ( <b>Simcor</b> ) 7) lovastatin + niacin ( <b>Advicor</b> )
<b>Class IV Antiarrhythmic</b>		<b>Cholesterol Reducing Agents</b>	
1) Ca-channel blockers (verapamil)		<b>A. Bile acid Binding Agents</b>	
<b>Class V Antiarrhythmic</b>		1) cholestyramine ( <b>Questran, Prevalite, Locholest</b> ) 2) colestevlam ( <b>Welchol</b> ) 3) colestipol ( <b>Colestid</b> )	

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Enterococcus		Anaerobes	
Non-VRE	VRE	Agent	Notes
Penicillin	Linezolid (3)	Metronidazole (3)	Also used in C.diff. STIs, GI parasite
Quinupristin / Dalfopristin (10)	Tedizolid	Clindamycin	No gm(-) coverage, highest assoc. w/ C.diff
Ampicillin/Sulbactam	Daptomycin (2)	Carbapenems	
Piperacillin / Tazobactam	Oritavancin	Moxifloxacin (3)(9)	Not for UTIs
Vancomycin	Tigecycline (2)	Tigecycline	
	Quinupristin/Dalfopristin (10)	Piperacillin / Tazobactam	
	Teicoplanin	Ticarcillin / Clavulanate	
	Quinupristin/Dalfopristin (10)	Ampicillin / Sulbactam	
		Amoxicillin / Clavulanate	

Hydrophilic	Lipophilic	Not Renally Adjusted		Time-Dependent	Concentration Dependent
Beta-lactams	Macrolides	Ceftriaxone	Erythromycin	Beta-lactams (PCNs, Cephalosporins, Carbapenem, Aztreonam)	Fluoroquinolones (Ciprofloxacin, Moxifloxacin)
Aminoglycosides	Fluoroquinolones	Nafcillin/Oxacillin	Azithromycin		Aminoglycosides (Gentamicin, Amikacin)
Daptomycin	Tetracyclines	Rifampin	Clindamycin		
Vancomycin	Linezolid	Doxycycline	Moxifloxacin		
-distributes in blood	-distributes in tissue			Vancomycin	

Distribution of Select Agents				
Blood	Bone	Lung	CSF	Urine
Beta-lactams	Tetracyclines	Beta-lactams	Beta-lactams	Beta-lactams
Aminoglycosides	Fluoroquinolones	Macrolides	Bactrim	Fluoroquinolones (not Moxi)
Daptomycin	Rifampin	Fluoroquinolones	Fluoroquinolones	Aminoglycosides
Vancomycin	Macrolide	Linezolid	Metronidazole	Daptomycin

Class	Examples
<b>1) Beta-Lactams</b>	
a) Penicillins (1)	Penicillin G, penicillin V, methicillin, oxacillin, cloxacillin, dicloxacillin, nafcillin, ampicillin, amoxicillin, carbenicillin, ticarcillin, mezlocillin, piperacillin, azlocillin, temocillin
b) Cephalosporins (2)	
i) First Generation	Cephalothin, cephapirin, cephadrine, cephaloridine, cefazolin
ii) Second Generation	Cefamandole, cefuroxime, cephalexin, cefprozil, cefaclor, loracarbef, cefoxitin, cefmetazole
iii) Third Generation	Cefotaxime, ceftizoxime, ceftriaxone, cefoperazone, ceftazidime, cefixime, cefpodoxime, ceftibuten, cefdinir
iv) Fourth Generation	Cefpirome, cefepime
c) Carbapenems (2)	Imipenem, meropenem, ertapenem
d) Monobactams (3)	Aztreonam
<b>2) Beta-Lactamase Inhibitors</b>	Clavulanate, sulbactam, tazobactam
<b>3) Aminoglycosides (3)</b>	Streptomycin, neomycin, kanamycin, paromycin, gentamicin, tobramycin, amikacin, netilmicin, spectinomycin, sisomicin, dibekalin, isepamicin
<b>4) Tetracyclines (3)</b>	Tetracycline, chlortetracycline, demeclocycline, minocycline, oxetetracycline, methacycline, doxycycline
<b>5) Rifamycins (3)</b>	Rifampicin (aka rifampin), rifapentine, rifabutin, bezoxazinorifamycin, rifaximin
<b>6) Macrolides (3)</b>	Erythromycin, azithromycin, clarithromycin
<b>7) Lincosamides (3)</b>	Lincomycin, clindamycin
<b>8) Glycopeptides (3)</b>	Vancomycin, teicoplanin
<b>9) Streptogramins (3)</b>	Quinupristin, dalfopristin
<b>10) Sulphonamides (3)(4)</b>	Sulphanilamide, para-aminobenzoic acid, sulfadiazine, sulfisoxazole, sulfamethoxazole, sulfathalidine
<b>11) Oxazolidinones (3)</b>	Linezolid
<b>12) Quinolones (3)</b>	Nalidixic acid, oxolinic acid, norfloxacin, pefloxacin, enoxacin, ofloxacin/levofloxacin, ciprofloxacin, temafloxacin, lomefloxacin, fleroxacin, grepafloxacin, sparfloxacin, trovafloxacin, clinafloxacin, gatifloxacin, moxifloxacin, sitafloxacin
<b>13) Others (3)</b>	Metronidazole, polymycin, trimethoprim

(1) All Contraindicated in penicillin allergy

(2) Crossover reaction possible Up to 3-7% in penicillin allergy.

AVOID: if immediate hypersensitivity or severe reaction (e.g. SUS, DRESS)

CAUTION: if non-immediate and non-severe hypersensitivity (e.g. maculopapular rash)

(3) Considers SAFE in penicillin hypersensitivity

(4) Avoid with patient with sulfa allergy