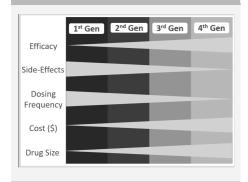


PHAR1101-3 Cheat Sheet

by Natfle via cheatography.com/86696/cs/20429/

Effect of Me-Too Drugs



Side Effect	ide Effects of Me-Too Drugs		
Crowded Market- place	too many similar drugs		
Stifled innovation	Companies priotise creation of 2nd-gen drugs rather than pursuing new drugs		
Cost	Cost increases		

Example		
Gen 1	Teprotide Couldn't be taken by mouth	
Gen 2	Captopril Contains sulfur group, allowing it to be taken by mouth caused intense itching, loss of taste, dry cough had to be taken thre times a day	
Gen 3	Enalapril doesn't have sulfur can be taken orally taken once a day	

Effects of Hypertension		
Brain	Stroke Loss of brain function Headache	
Kidney	Chronic Failure Proteins leak into urine most vulnerable organ	

Effects of Hypertension (cont)		
Vessels	Endothelial damage	
Heart	Heart Attack thickened heart wall	
Eyes	Chronic retina damage	
Definitions		
Innovator Drug	The first drug onto the market to meet a previously unmet medical need	
Therapeutic Class	A family of drugs that are grouped together based on their use for treating similar diseases	
Drug Analogue	A molecule with a similar but not identical structure to another drug. Despite similar	

Eyes	Chronic retina damage
Definitions	
Innovator Drug	The first drug onto the market to meet a previously unmet medical need
Therapeutic Class	A family of drugs that are grouped together based on their use for treating similar diseases
Drug Analogue	A molecule with a similar but not identical structure to another drug. Despite similarities they can have very different pharmacological and toxicological properties.
Small Molecule Drug	A drug with a molecule mass less than 500 grams. Often cheap to make
Dosing Frequency	The number of time a patient has to take a pill everyday.
Compliance	The extent to which a person follows the advice of their doctors. Somehow who skips doses shows low compliance

Me-Too Dru	Me-Too Drug Examples	
Amoxicillin 1964	From: penicillin Fixed: Sensitivity to stomach acid Treats: everyday infenctions	
Fexofe- nadine 1980	From: Diphenhydramine Fixed: Sedation Treats: antihistamine	
Cefepime 1983	From: cephalosporin Fixed: More suitable killing activity Treats: life threatening infections	
Celecoxib 1995	From: Ibuprofen Fixed: gastrointestinal damage Treats: anti-inflammatory	
Atorva- statin Lipitor 1996	From: Lovastatin Fixed: More effective treats: lowers cholesterol	
Atazanavir 1997	From: PI'S Fixed: didn't distrupt lipid metabolism Treats: AIDS	

Side Effects

Most drugs cause side effects. Drugs are designed to bind a specific receptor, however they may bind to, and stop the function, of another receptor. this is what causes the side effects. this tendency to bind to multiple receptors is known as nonspecificity



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