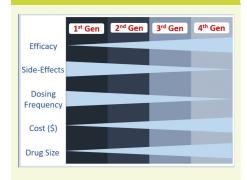


PHAR1101-3 Cheat Sheet

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

Effect of Me-Too Drugs



Side 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	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 Enalapril

3 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 simila- rities 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
	D .	T1 1 (

Dosing The number of time a patient has to take a pill everyday. Frequency

Compliance

The extent to which a person follows the advice of their doctors. Somehow who skips doses shows low compliance

Me-Too Drug Examples

Amoxicillin From: penicillin

1964	Fixed: Sensitivity to stomach
	acid

Treats: everyday infenctions

Fexofe-From: Diphenhydramine nadine Fixed: Sedation 1980 Treats: antihistamine

From: cephalosporin Cefepime 1983 Fixed: More suitable killing

activity

Treats: life threatening

infections

Celecoxib From: Ibuprofen 1995 Fixed: gastrointestinal

damage

Treats: anti-inflammatory

From: Lovastatin Atorvastatin Fixed: More effective treats: lowers cholesterol Lipitor

1996

From: PI'S Atazanavir

1997 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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