PSYCHOPHARMACOLOGY

*How do drugs work in the body*?

There are 4 distinct steps:

1. ABSORPTION (via gastrointestinal system)

(Special considerations: to be taken with or without food, avoiding certain foods or drinks- dairy products, grapefruit juice)

(\*any gastrointestinal problems may affect drug absorption)

1. DISTRIBUTION (via circulatory system)

(\*any cardiovascular problems may effect distribution of drugs)

1. METABOLISM (by the liver & sometimes the kidneys)

(\*any hepatic or renal problems may affect drug metabolism)

1. EXCRETION (by the kidneys)

(\*any renal problems may affect excretion of drugs)

*ADDENDUM:*

The following may appear after many types of medications & indicate a longer duration of action (meaning that the medication will need to be taken only once or twice a day rather than 3-4 times per day.)

Often this formulation helps with patient compliance but it may lead to increased side effects. Close monitoring of the patient for medication side effects is required.

XR => extended release

SR => slow release

CR => continuous release

XL => extra long

LA => long-acting

Psychotropic Medication

|  |  |  |
| --- | --- | --- |
| **CATEGORIES** | **Brand name** | **Generic name** |
| Neuroleptics, anti-psychotics  (\*atypical/ newer ones/ 2nd generation)    (older ones)  Injectables  Long-acting Injectables | Clozaril\*  Seroquel\*  Zyprexa\*/Zydis  Risperal\*/M-tabs  Invega\*  Zeldox\*  Abilify\*  Loxapac  Nozinan  Haldol  Largactil  Mellaril  Stelazine  Trilafon  ORAP  Clopixol acuphase  Fluanxol  Moditen  Fluanxol depot  Haldol LA  Clopixol depot  Risperdal Consta\*  Invega Sustenna\* | Clozapine  Quetiapine  Olanzapine  Risperidone  Paliperidone  Ziprasidone  Aripiprazole  Loxapine  Methotrimeprazine  Haloperidol  Chlorpromazine  Thioridazine  Trifluoperazine  Perphenazine  Pimozide  Zuclopenthixol Acetate  Flupenthixol  Fluphenazine HCl  Flupenthixol Decanoate  Pipotiazine Palmitate  Zuclopenthixol Decanoate  Risperidone  Paliperidone |
| Anxiolytics/ anti-anxiety medications    (\*benzodiazepines)  (non-benzodiazepine) | Valium\*  Ativan\*  Rivotril\*  Serax\*  Xanax\*  Lectopam\*  Dalmane\*  Restoril\*  Librium\*  Buspar | Diazepam  Lorazepam  Clonazepam  Oxazepam  Alprazolam  Bromazepam  Flurazepam  Temazepam  Chlordiazepoxide  Buspirone |
| CATEGORIES | **Brand name** | **Generic name** |
| Stimulants  Non stimulant (used to treat ADHD) | Ritalin/Concerta  Dexedrine  Adderall  Strattera | Methylphenidate  Dextroamphetamine  Amphetamine salts  Atomoxetine |
| Sedatives | Noctec  Imovane  Dalmane | Chloral hydrate  Zopiclone  Flurazepam |
| Medications to help control the side effects of neuroleptics  Antihistamines\* | Cogentin  Kemadrin  Artane  Symmetrel  Inderal  Benadryl\*  Atarax\* | Benztropine  Procyclidine  Trihexyphenidyl  Amantadine  Propanolol  Diphenhydramine  Hydroxyzine |
| Mood stabilizers  (\*indicates these meds are also used to treat epilepsy) | Carbolith, Duralith  Depakene\*, Epival\*, Depakote\*  Tegretol\*  Trileptal\*  Lamictal\*  Neurontin\*  Topamax\* | Lithium  Valproic Acid, divalproex  Sodium Valproate  Carbamazepine  Oxcarbazepine  Lamotrigine  Gabapentin  Topiramate |
| Anti-convulsants  (to treat epilepsy) | Luminal  Dilantin  Mysoline  Keppra  Trileptal  Gabitril | Phenobarbitol  Phenytoin  Primidone  Levetiracetam  Oxcarbazepine  Tiagabine |
| Medications used to treat Alzheimer’s | Aricept  Reminyl  Cognex  Exelon | Donepezil  Galantamine  Tacrine  Rivastigmine |
| CATEGORIES | **Brand name** | **Generic name** |
| Anti-depressants  (Tricyclics (TCA or amines), SSRIs, MAOIs, etc) | TRICYCLICS :  Elavil  Anafranil  Tofranil  Sinequan  Aventyl  Norpramin  Surmontil  MONOAMINE OXIDASE INHIBITORS (MAOI)  Nardil  Parnate  REVERSIBLE MONOAMINE OXIDASE INHIBITOR (RMAOI):  Manerix  SELECTIVE SEROTONINE REUPTAKE INHIBITOR (SSRI)  Prozac  Paxil  Luvox  Zoloft  Celexa  Cipralex  OTHERS:  Wellbutrin, Zyban  Effexor  Pristiq  Remeron  Desyrel | Amitriptylene  Clomipramine  Imipramine  Doxepine  Nortriptyline  Desipramine  Trimipramine  Phenelzine  Tranylcypromine  Moclobemide  Fluoxetine  Paroxetine  Fluvoxamine  Sertraline  Citalopram  Escitalopram  Bupropion  Venlafaxine  Desvenlafaxine  Mirtazepine  Trazadone |
| Opiate Receptor Antagonist | Revia, Trexan | Naltrexone |