

Divisions of Pharmacology

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- Pharmacokinetics: how the drug affects the body
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- Topics linked to pharmacology:

1. Pharmacotherapeutics
2. Pharmacy
3. Clinical pharmacology
4. Chemotherapy
5. Toxicology

- Drug Sources:

1. Synthetic
2. Semi-synthetic
3. Natural Sources:
 - A. Organic: plants, animals, microbes
 - ✓ Ex of drugs from plants:
alkaloids (-ine : atropine) ,steroids
,vitamins ,tannins ,volatile oils ,gums

- B. Non-organic:

- ✓ Metal
- ✓ Mon-metals

- Drug classification:

- ✓ Therapeutic use
- ✓ Pharmacological action: (precise, molecular site)
- ✓ Physiological systems

- ✓ Chemical nature, Source.

- Dug names
 - ✓ Chemical name
 - ✓ Generic (non-proprietary) name
 - ✓ Commercial (proprietary) name.

- The drug dose forms:
 - ✓ Oral: pill /liquid /powder /herbal plants /pastes
 - ✓ Inhalational: aerosol /inhaler /vaporizer
 - ✓ Parenteral
 - ✓ Topical: Cream / gel / eye drops/ear drops / skin patch
 - ✓ Suppository: vaginal / rectal.

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