

Pharmacology 1 and Prescription Knowledge

Central Nervous System Drugs

Refer lecturer for course updated notes.

Students are obliged to follow the courses for evaluation process and presented notes are preliminary drafts for the whole evaluation process.

- Introduction (Anatomy, physiology)
- Classification of Drugs
- Analgesics
- Anesthetics
- Anticonvulsants
- Stimulants
- Tranquilizers and sedatives

- Anesthesia
- What is anesthesia
- Types of anesthesia
- Why do we need anesthesia
- History
- Routes of administration
- Mechanism of actions

- General anesthesia (Information, mechanisms, stages)
- Modern theory on mechanisms of general anesthesia
- GABA receptors
- GABA receptor gated Cl channels

- Pharmacokinetics of inhalation anesthetics
- Blood : Gas partition coefficient- Rate of Entry into the Brain
- Elimination of GA

- Inhalation
- Gas
- Volatile liquids (Ether, halotane, Enflurane, Isoflurane, Desflurane, Sevoflurane)
- Intravenous
- Inducing agents
- Benzodiazepines
- Dissociative anaesthesia
- Neurolept analgesia

- Complications of anaesthesia
- Preanesthetic medication

- Prescription exercises