

# Pharmacology 1 and Prescription Knowledge

## Analgesic 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.

- Types of pain
- Definition of analgesia
- Central analgesics

## Narcotics

- Opioids (morphine&morphine like drugs)
- Natural
- Semi synthetic
- Synthetic
- Endogeneous opiates

- Non-narcotics
- NSAID
- Aspirin
- Paracetamol
- Diclofenac
- Piroxicam
- Ibuprofen
- Ketoprofen

- Inflammation process
- Effects of Eukanazoids in inflammation

- Mechanism of action of NSAID
- Clinical effects of NSAIDs (analgesia, antiinflammatory, antipyretic)

## Classification of NSAIDs

- COX-1 selective inhibitors
- Nonselective cox inhibitors
- More Cox-2 selective inhibitors
- Cox-2 selective inhibitors

- Analgesic drugs
- Use and clinical applications
- Side/Adverse effects



- Renal effects
- Cardiovascular effects
- Effects on platelets

- Opioids
- Mechanism of Action
- Physical Dependence and Addiction

- Drugs of neuropathic pain
- Amitriptyline
- Carbamazepine
- Sodium valproate
- Gabapentinoids