

SNS COLLEGE OF ALLIED HEALTH SCIENCE
Affiliated to The Tamil Nadu Dr. M.G.R Medical University, Chennai



DEPARTMENT OF PHYSICIAN ASSISTANT

COURSE NAME : PHARMACOLOGY

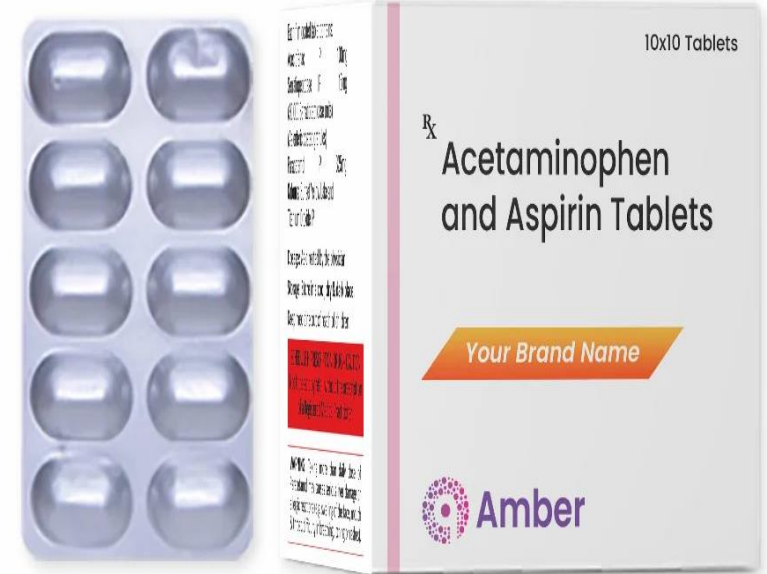
UNIT : BASIC DRUG EFFECT

TOPIC : COMMON DRUGS - EFFECTS AND SIDE EFFECTS

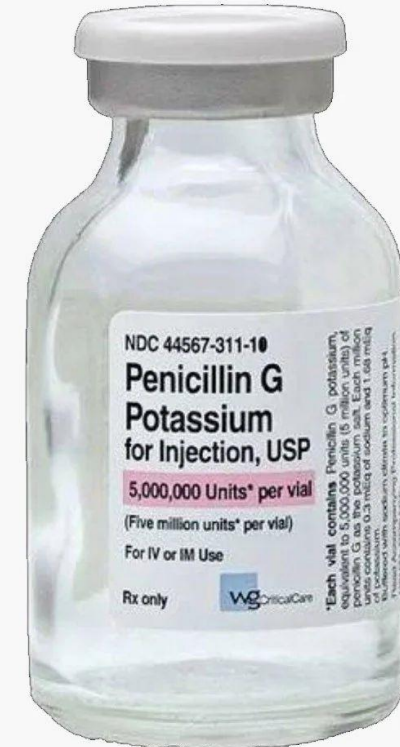
FACULTY NAME : Ms. SINEKA M

COMMON DRUGS

- **DRUG CLASS** - Analgesics (E.G., Acetaminophen, Nsaids)
- **EFFECTS** - Pain relief, fever reduction
- **SIDE EFFECTS** - Gastrointestinal irritation, bleeding, kidney injury, Liver toxicity in overdose.



- **DRUG CLASS** - Antibiotics (e.g., penicillins, fluoroquinolones)
- **EFFECTS** - Bacterial infection control
- **SIDE EFFECTS** - Allergic reactions (rash, anaphylaxis), diarrhea, tendon rupture.



- **DRUG CLASS** - Antihypertensives (ACE inhibitors, beta-blockers)
- **EFFECTS** - Lower blood pressure, reduce cardiac workload
- **SIDE EFFECTS** - ACE inhibitors: cough, angioedema;
Beta-blockers: bradycardia, fatigue.



- **DRUG CLASS** - Statins (e.g., atorvastatin)
- **EFFECTS** - Lower cholesterol levels
- **SIDE EFFECTS** - Muscle pain, rare rhabdomyolysis, liver enzyme elevation.



- **DRUG CLASS** - Diuretics (e.g., furosemide)
- **EFFECTS** - Increase urine output, reduce fluid overload
- **SIDE EFFECTS** - Electrolyte imbalances (hypokalemia), dehydration



- **DRUG CLASS** - Antidepressants (SSRIs, TCAs)
- **EFFECTS** - Improve mood, reduce anxiety
- **SIDE EFFECTS** - Dry mouth, nausea, sexual dysfunction, insomnia, rare suicidal ideation.



- **DRUG CLASS** - Opioids (e.g., morphine)
- **EFFECTS** - Strong pain relief
- **SIDE EFFECTS** - Respiratory depression, constipation, sedation, addiction potential.



- **DRUG CLASS** - Anticoagulants (warfarin, DOACs)
- **EFFECTS** - Prevent blood clots
- **SIDE EFFECTS** - Bleeding risks, bruising, interaction with food/drugs.



- **DRUG CLASS** - Antidiabetics (insulin, metformin)
- **EFFECTS** - Lower blood glucose levels
- **SIDE EFFECTS** - Hypoglycemia (insulin), gastrointestinal upset (metformin), rare lactic acidosis.

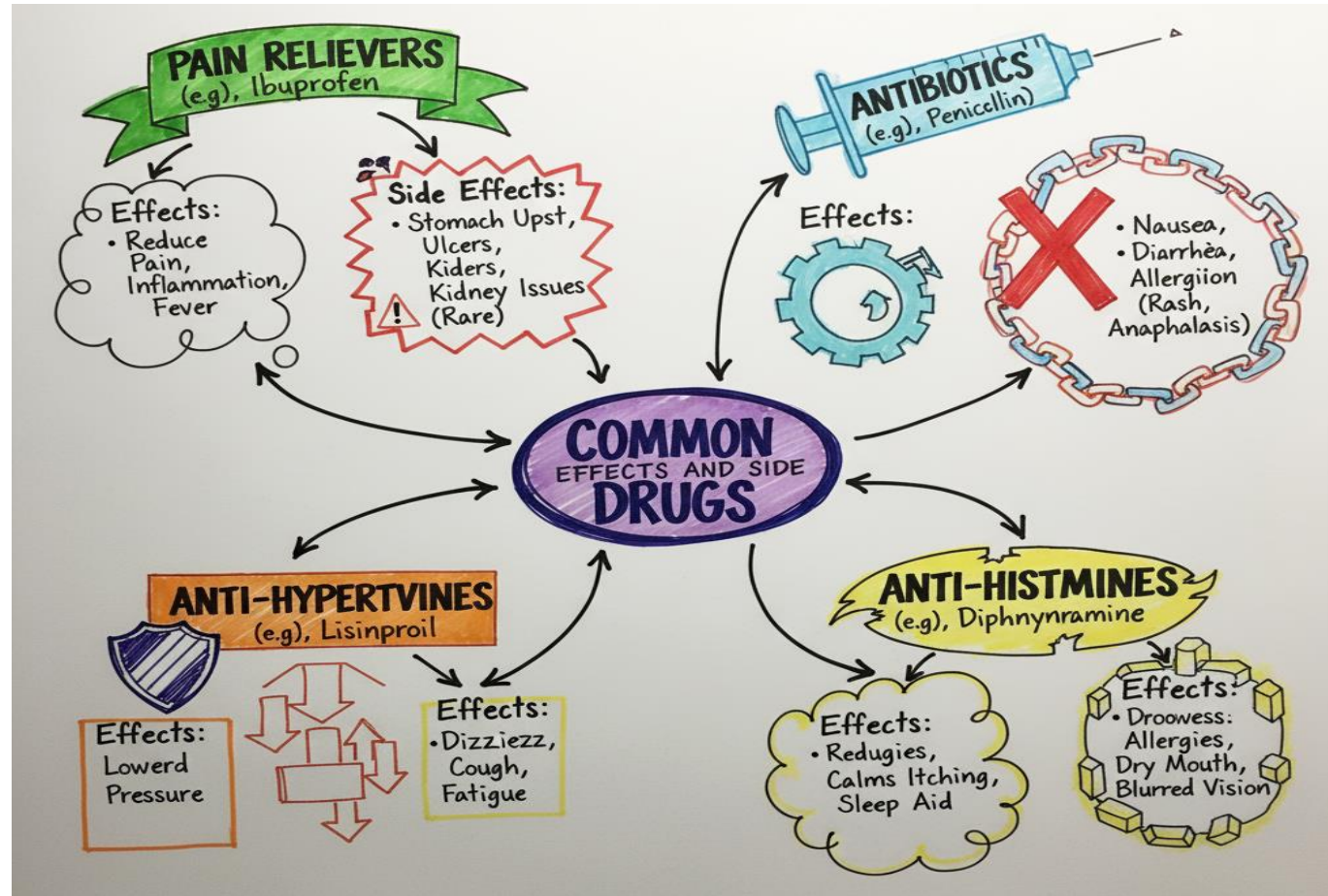


PHYSICIAN ASSISTANT ROLE (Test)

- Assessment and Prescription Review
- Monitoring for Efficacy and Adverse Effects
- Adverse Drug Reaction (ADR) Surveillance
- Therapeutic Drug Monitoring (TDM)
- Patient and Caregiver Education



SUMMARY



References

- Medical Pharmacology – Padmaja Udayakumar
- <https://www.betterhealth.vic.gov.au/health/healthyliving/How-drugs-affect-your-body>
- <https://www.drugs.com/sfx/>
- <https://www.webmd.com/a-to-z-guides/drug-side-effects-explained>