



Gastrointestinal Pharmacology

Peptic Ulcer Treatments

Antacids

Systemic: NaHCO_3

Local: CaCO_3 , Mg(OH)_2 , Al(OH)_3 , Magaldrate

Anti-secretory

H2 Blockers: Cimetidine, Ranitidine, Famotidine, Nizatidine

Proton Pump Inhibitors (PPIs): Omeprazole, Pantoprazole, Esomeprazole

Anti-Muscarinic: Pirenzepine

Gastrin Antagonist: Octreotide

Mucosal Protectives:

Sucralfate

Bismuth Subcitrate

Carbenoxolone

Prostaglandins: Misoprostol

Anti-H. pylori Therapy:

Triple: Omeprazole + Clarithromycin + Amoxicillin/Metronidazole

Quadruple: Add Bismuth or H2 blocker

Gastrointestinal Pharmacology

Emetics

- Central:** Apomorphine
- Peripheral:** Ipecac, NaCl, Mustard

Antiemetics

- Antimuscarinic:** Hyoscine
- Antihistamines:** Cyclizine, Promethazine, Dimenhydrinate
- Dopamine Antagonists:** Chlorpromazine, Prochlorperazine, Haloperidol
- 5-HT3 Antagonists:** Ondansetron, Granisetron, Dolasetron
- Metoclopramide:** D2 & 5-HT3 blocker, Prokinetic
- Domperidone:** D2 antagonist, fewer CNS effects





Antianginal Drug Examples

Nitrates

Glyceryl
trinitrate
(Nitroglycerine)

Isosorbide
dinitrate

Isosorbide
mononitrate

Late Sodium Current Inhibitor

Ranolazine

Potassium Channel Activator

Nicorandil

Calcium Channel Blockers

Nifedipine

Diltiazem

Verapamil

Beta-Blockers

Propranolol

Atenolol

Metoprolol



Antianginal Drug Examples

Others

Diuretics

Thiazides

Anticoagulants

Heparin

Low molecular weight heparin

Thrombolytics

Streptokinase

Antiplatelets

Aspirin

Clopidogrel

Dipyridamole

Antihyperlipidemics

Simvastatin

Atorvastatin

Antiarrhythmic Drug Examples

Class I: Sodium Channel Blockers

IA: Quinidine, Procainamide, Disopyramide

IB: Lidocaine, Mexiletine, Tocainide, Phenytoin

IC: Flecainide, Propafenone, Moricizine

Class II: Beta-Blockers

Propranolol

Metoprolol

Esmolol

Class III: Potassium Channel Blockers

Amiodarone

Sotalol

Bretylum

Dofetilide

Class IV: Calcium Channel Blockers

Verapamil

Diltiazem

Other Antiarrhythmic Drugs

Adenosine

Digoxin



Drugs for Heart Failure



Anti-Hypotensive Drugs

Digoxin

Digitoxin

Ouabin

Etilefrine

Midodrine

Blood Pharmacology

Platelet Aggregation Inhibitors

Aspirin

Thienopyridines:
Clopidogrel, Ticlopidine

GP IIb/IIIa Inhibitors:
Abciximab, Eptifibatide,
Tirofiban

Dipyridamol: ↑ cAMP,
↓ ADP activity

Bleeding Treatments

**Aminocaproic acid &
Tranexamic acid:**
Antifibrinolytics

Etamsylate (Dicynone):
↑ Platelet adhesiveness

Protamine sulfate:
Heparin antidote

Vitamin K: Warfarin
antidote

Anemia Treatments

Iron : Ferrous sulfate,
Iron dextran

Folic acid

Vitamin B12:
Cyanocobalamin,
Mecobalamin,
Hydroxycobalamin

**Erythropoietin /
Darbepoetin:**
Recombinant hormones
for RBC production

Sickle Cell Anemia

Hydroxyurea

Pentoxifylline

Hyperlipidemia

Statins: Simvastatin,
Atorvastatin,
Rosuvastatin, etc

