

Pharmacology 1 and Prescription Knowledge

Anjina drugs, peripheral vascular relaxant drugs, heart pressure releasing drugs, anticoagulants, anticlotting agents

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.

- Anjina pectoris
- Coronary artery disease
- Types of anjina
- Patophysiological factors

- Pharmacological management of angina pectoris
- Treatment of chestpain episodes
- First-line antianginal drugs
- Second-line anti-angina therapies
- Long acting nitrates

- Nicorandil
- Ivabradine
- Ranolazine

- Drugs for Cardiovascular Diseases
- Diuretics
- Sympatolytics
- Antiarrhythmics
- Angiotensin antagonists
- Direct-acting vasodilators
- Drugs for lipid disorders

- Alpha-beta receptors
- Metoprolol
- Atenolol
- Carvedilol
- Nitrates and beta-blockers
- Beta blockers
 - Mechanism of action
 - Contraindications
 - Propranolol

- Calcium channel antagonists/blockers
 - Mechanism of action
 - Clinical Use
 - Side Effects
 - Examples of drugs
 - Diltiazem
 - Verapamil

- Organic nitrates
 - Mechanism of action
 - Clinical Use
 - Side Effects
 - Examples of drugs
 - Contraindications

- Drugs that act on the antithrombin–glycosaminoglycan pathway
 - Heparin anticoagulants
 - Non-heparin anticoagulants
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- Heparin
 - Action
 - Side effects
 - Low-molecular weight heparin
 - Pentasaccharide anticoagulants
 - Danaparoid

- Drugs that act on the protein C pathway
- Warfarin
- Recombinant thrombomodulin
- Recombinant activated protein C

- Drugs that act on tissue factor pathway inhibitor
- Recombinant tissue factor pathway inhibitor (tifacogin)

- The fibrinolytic system

- antifibrinolytics that suppress fibrinolysis and thereby prevent haemorrhage
 - Lysine analogues
 - Aprotinine
- Thrombolytic agents
 - Streptokinase
 - Recombinant tissue plasminogen activators

- Mechanism of action of anticoagulants
- Mechanism of action of antiplatelets
- Possible side effects
- Influence of medications on anti-clotting agents
- Interactions of coumarins
- Interactions of antiplatelets

- Clinical use in veterinary medicine
- Case examples