

Program of Pharmacology 2016-17:

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What is Pharmacology

Pharmacodynamic: general principles, molecular aspect, cellular aspect

Pharmacokinetics: absorption, distribution, metabolism and excretion

Pharmacokinetic parameters

Drug-drug interactions

Chemical mediators and autonomic nervous system: Cholinergic, Noradrenergic, GABAergic, Glutamatergic, Opioid, Cannabinoid, 5-HT and histamine systems

Purines, peptides and nitric oxide

Local hormones and inflammation: NSAIDs, steroids

Analgesic drugs

Treatment of epilepsy

Treatment of Parkinson

Antipsychotic drugs

Anxiolytic and hypnotic drugs

Treatment of depression

Drug addiction

General and local anesthetics

Treatment of obstructive pulmonary diseases and asthma

Treatment of arrhythmias

Treatment of hypertension

Treatment of heart failure

Antidyslipidemic and atherosclerosis

Antidiabetics

Treatment of gastric acidity, peptic ulcer and GERD

Anticoagulants, antiplatelet and fibrinolytic drugs

Targeted therapies: MAb, TKI, cytokines

Antibacterial drugs

Antiviral and antifungal drugs

Preclinical and clinical experimental procedure

Pharmacovigilance

Book: Rang & Dale's 8th edition