

Faculty of Medicine

Department IV: Biochemistry and Pharmacology

University Department Sub-Structure of Pharmacology

University Professor, Position 35

Topics

1. Pharmacology: general principles. Routes of administration for drugs. Principles of pharmacotherapy.
2. Pharmacokinetics.
3. Pharmacodynamics. Pharmacotoxicology.
4. Pharmacology of autonomic drugs: cholinergic agents
5. Pharmacology of autonomic drugs: adrenergic agents. Pharmacology of H1 antihistaminics.
6. Pharmacology of the respiratory system.
7. Pharmacology of antihypertensive drugs.
8. Pharmacology of positive inotropic drugs.
9. Pharmacology of antiarrhythmic and antianginal drugs.
10. Pharmacology of antianemic drugs.
11. Pharmacology of antithrombotic and haemostatic drugs.
12. Pharmacology of gastrointestinal drugs I (drugs used in peptic ulcer disease, antiemetic drugs)
13. Pharmacology of gastrointestinal drugs II (Choleretic drugs. Cholagogue drugs. Hepatoprotective drugs. Drugs that dissolve gallbladder stones. Laxatives. Purgatives. Antidiarrhoeal drugs).
14. Pharmacology of water, electrolytes and plasma substitutes.
15. Pharmacology of antimicrobial drugs I (Bactericidal degenerative type).
16. Pharmacology of antimicrobial drugs II (Bactericidal absolute type. Bacteriostatic drugs).
17. Pharmacology of tuberculostatic agents, antiviral drugs, antifungal drugs, antiparasitic agents.
18. Pharmacology of immunosuppressive and anticancer drugs.
19. Pharmacology of opioid and non-opioid analgesics and anti-inflammatory drugs.
20. Pharmacology of local and general anesthetics.
21. Pharmacology of sedative-hypnotic and anxiolytic drugs.
22. Pharmacology of antidepressant and antipsychotic drugs.
23. Pharmacology of drugs used in Parkinson's disease. Pharmacology of antiepileptic drugs.
24. Pharmacology of hormones I (Thyroid and anti-thyroid drugs. Hypothalamic and pituitary agents).
25. Pharmacology of hormones II (Insulin and oral antidiabetic drugs. Adrenocorticosteroids).
26. Pharmacology of hormones III (Oxytocic, tocolytic and sex hormones. Hormonal contraception. Pharmacology of erectile dysfunction. Pharmacology of osteoporosis).
27. Dermatological pharmacology.
28. Pharmacology of vitamins.

Bibliography:

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2. Victor Dumitrașcu, Daliborca Vlad, Corina Flangea, Ioana Malița, Simona Șipoș, Adelina Chevereșan, Beatrice Barac, Cristian Vlad, , Ana Ioana, Dorin Ana – Curs de Farmacologie pentru studenții de Medicină Generală Vol.II, Editura ``Victor Babeș``, Timișoara, 2018, ISBN=978-606-786-098-6



3. Daliborca Vlad, Corina Flangea, Ioana Malița, Simona Șipoș, Beatrice Barac, C. Vlad, Adelina Chevereșan, Ioana Ana, D. Ana, V. Dumitrașcu (coordonator). Aplicații practice de Farmacologie pentru studenții de Medicină Generală, vol. I, Editura „Victor Babeș”, Timișoara, 2024, ISBN 978-606-786-360-4.
4. Ion Fulga – Farmacologie ed. a II-a revizuită și adăugită, Editura Medicală, București, 2015
5. Ioana Malița, Ioana Ana, Adelina Chevereșan, Rodica Cîncă – Pharmacology for students, Ed. Mirton, Timișoara
6. Karow T, Lang-Roth R. Pharmakologie und Toxicologie, 2015
7. Katzung B.: Basic and Clinical Pharmacology, 13th Edition, Ed. Lange 2014
8. Lipincott's Illustrated Pharmacology 6th Edition -Richard A, Harvey, Pamela C. Champe, 2014
9. Rang H.P, Ritter J.M, Flower R.J, Henderson G. Rang & Dale's Pharmacology 8th Edition, Ed. Elsevier 2015