



1st DEPARTMENT, FACULTY OF PHARMACY

EXAM TOPICS AND BIBLIOGRAPHY

UNIVERSITY PROFESSOR, POSITION 30

Disciplines : Clinical pharmacy ; Communication with the patient ; Medical communication ; Communication in the pharmacy ; Communication and professional skills (optional).

1. Clinical pharmacy: definition of the concept, history, responsibilities of the clinical pharmacist in hospital and community pharmacy
2. Scientific analysis and validation of the medical prescription
3. Drug-induced iatrogenic events
4. Drug interactions with clinical impact (definition, mechanisms, major clinical manifestations)
5. Adherence and persistence of patient to pharmacological treatment
6. Particularities of pharmacological treatment in children and during breastfeeding
7. Particularities of pharmacological treatment during breastfeeding
8. Drug treatment during pregnancy
9. The management of pharmacotherapy in elderly patients
10. Potentially inappropriate drugs in elderly patients: Beers Criteria 2023
11. Potentially inappropriate drugs in elderly patients: STOPP/START Criteria, version 3, 2023
12. Particularities of treatment in patients with renal impairment
13. Pharmacotherapy of patients with sleep disorders
14. Pharmacotherapy of patients with anxiety disorders
15. Parkinson's disease pharmacotherapy
16. Drug treatment in patients with Alzheimer's disease
17. Patient-centered pharmacotherapy of pain: nociceptive pain
18. Patient-centered pharmacotherapy of pain: neuropathic pain
19. Pharmacotherapy of patients with unipolar depression
20. Pharmacotherapy of patients with type II diabetes mellitus: drug choosing criteria, particularities in pregnancy and elderly, patients counseling
21. Treatment of gastroduodenal ulcer: drug selection criteria, pharmacotherapy optimization, patient counseling
22. Pharmacotherapy in patients with dyslipidemic syndrome
23. Osteoporosis treatment: medication selection criteria (preventive/curative), optimization of pharmacological treatment, therapeutic counseling of patients
24. Drug treatment in patients with asthma: drug selection criteria, prevention of iatrogenic effects, therapeutic education of the patient
25. Treatment particularities in heart failure patients
26. Drug treatment in essential arterial hypertension: factors influencing the global cardiovascular risk, first-line anti-hypertensive medications in patients with co-morbidities, therapeutic strategy
27. Drug treatment in COPD patients
28. Pharmacotherapy of patients with thyroid disorders: hypo- and hyper-thyroid
29. Medication of patients with viral C hepatitis
30. Treatment of high and low tract respiratory infections.
31. Treatment of bacterial urinary tract infections.



32. Pharmacotherapy of gynecological infections.
33. Peculiarities of anticoagulant treatment
34. Review of complex therapeutic regimens. The concept of "medication review".
35. The concept of "medication reconciliation".
36. The importance of communicating with the patient in current clinical practice. Verbal communication versus non-verbal communication.
37. Questioning, listening and answering skills of the clinical pharmacist.
38. Communication with special categories of patients (elderly patient, patient in the terminal stage of illness, psychiatric patient). Approaching parents of a child.

Bibliography:

1. Roger Walker, Cate Whittlesea. "Clinical Pharmacy and Therapeutics". Churchill Livingstone Elsevier. Sixth Edition. 2018
2. Pharmacie clinique et Therapeutique". Octombrie 2018, Association Nationale Des Enseignants de Pharmacie Clinique, Samuel Limat, Antoine Dupuis, Philippe Fagnoni.
3. Oxford Handbook of Clinical Pharmacy, 3-erd Edition 2017
4. Manual de farmacoterapie. Editia a zecea, [Barbara G. Wells](#), [Terry L. Schwinghammer](#), [Joseph T. DiPiro](#), [Cecily V. DiPiro](#); Editura Prior & Books, 2019
5. Caroline S. Zeind, Michael G. Carvalho, Judy W. Cheng. Kathy Zaiken, Trisha LaPointe. Applied Therapeutics. The Clinical Use of Drugs. 12th Edition. Volume one and two. Wolters Kluwer 2024; ISBN: 978-1-975167-24-0
6. Sherif Hanafy Mahmoud. Patient Assessment in Clinical Pharmacy. Springer 2019; ISBN: 978-3-030-11774-0
7. Claudia Rijcken. Pharmaceutical care in Digital revolution. Insights Towards Cicular Innovation. Elsevier: Academic Press. 2019; ISBN: 978-0-12-817638-2
8. Cristea A.N., Farmacie clinică, vol I. Ed. Medicală București, 2017
9. Cristea A.N., Farmacie clinică, vol II. Ed. Medicală București, 2018
10. Carmen Cristescu, Mirela Voicu, Maria Suciuc et al. „Pharmacie clinique”. Ed. Eurobit. 2015
11. Simona Negreș, Cornel Chiriță, Cristina Elena Zbârcea, Bruno Ștefan Velescu, Anca Buzescu, Oana Șaramet, Emil Ștefănescu. Farmacoterapie vol I, Editura Printech, București 2013
12. Dobrescu D și S Negreș, Liliana Dobrescu, Ghid farmacoterapic alopatic și homeopat, Ed Universitară București, 2019
13. Cate Whittlesea, Karen Hodson, Clinical Pharmacy and Therapeutics, sixth edition, Elsevier, 2019
14. Adam Feather, David Randall, Mona Waterhouse. *Kumar and Clark's Clinical Medicine* 10th edition. Elsevier Publisher, 2020; ISBN: 0702078689
15. Bertram Katzung, Anthony Trevor. *Basic and Clinical Pharmacology*. 15th edition. McGraw Hill/Medical Publisher, 2020; ISBN: 126045231X
16. E Benea, El Gavrilu, C Popescu. „Ghidul Angelescu: Terapia antimicrobiană”, Ed UMF Carol Davila, București, 2018
17. [Françoise Brion](#), [Gilles Aulagner](#). Pharmacie clinique à l'officine, Ed Maloine, 2018
18. Guide pratique des médicaments Dorosz, 37 edition, 2018
19. Frédéric Chauvelot, Les médicaments à délivrance particulière, Editeur : Les Editions Le Moniteur des pharmacies, 17e édition, 2019
20. J B Belon, „Conseils a l'officine- guide de suivi pharmaceutique”, Ed Masson, 6-eme edition, 2014
21. J B Belon, S Faure, F Pillon, „Pathologies et therapeutiques commentees”, Ed Elsevier Masson, 2016
22. Martin Wehling Editor, Drug Therapy for the Elderly, Springer, 2013
23. KR Sethuraman. Communication Skills in Clinical Practice (Doctor-Patient Communication). Jaypee Brothers Medical Publishers Ltd, 2001, ISBN: 81-7179-849-7



24. [Louise Mallet](#), [Gilles Barbeau](#), [Lise Grenier](#), [Jean Guimond](#), Manuel de soins pharmaceutiques en gériatrie, Les Presses de l'Université Laval, 2003
26. Dobrescu D și col, Memomed, 2023, București, Ed. Minesan
27. Prescrire, „Petit manuel des troubles d'origine medicamenteuse”, 2018
28. Phillipe Arlet. Pathlogies iatrogenes, Editure Masson, 1998
29. Karen Whalen, ”Lippincott Illustrated Reviews: Pharmacology”, Ed Walters Kluwer, ed 6-th, 2015