



FACULTATEA DE FARMACIE

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Disciplina FARMACOLOGIE-FARMACOTERAPIE

TEMATICA SI BIBLIOGRAFIA CONCURSULUI PENTRU OCUPAREA POSTULUI VACANT DE PROFESOR UNIVERSITAR POZITIA 28, FIZIOLOGIE UMANA SI FIZIOPATOLOGIE; FARMACOTERAPIE; PRODUSE SI PROCEDURI DE INTRETINERE; ELEMENTE DE FARMACOLOGIE IN DERMATOCOSMETOLOGIE, SESIUNEA NOIEMBRIE 2023 – MARTIE 2024

Themes for the contest :

1. Medication of the respiratory apparatus. Anti-asthmatic medication
2. Medication of the cardiovascular system. Antihypertensives: beta-blockers, inhibitors of the angiotensin II converting enzyme, angiotensin II AT1 receptor antagonists
3. Medication of the cardiovascular system. Antihypertensives: calcium channel blockers, central antihypertensives
4. Diuretics
5. Medication of the cardiovascular system. Heart failure medication
6. Medication of the cardiovascular system. Antiarrhythmics
7. Medication of the blood and hematopoietic system. Antiplatelet agents
8. Medication of the digestive system. Antiulcer medication
9. Systemic corticosteroids
10. Natural and semi- synthetic penicillins
11. Fluoroquinolones
12. Antifungal drugs
13. Antituberculous drugs
14. Medication of the central nervous system. Pain medication. Opioid and non-opioid analgesics
15. Non-steroidal anti-inflammatories
16. Medication of the central nervous system. Benzodiazepine anxiolytics and tranquilizers
17. Medication of the central nervous system. Barbiturates and non-barbiturates
18. Medication of the central nervous system. Antiepileptic drugs
19. Medication of the central nervous system. Antiparkinsonian medication

20. Medication of the central nervous system. Anti-dementia medication
21. Physiology of the cardiovascular system: resting and action membrane potentials in cardiac fibers, cardiac automatism, regulation of cardiac function
22. Pathophysiology of the cardiovascular system I: atherosclerosis and coronary heart disease
23. Pathophysiology of the cardiovascular system II – arterial hypertension, rhythm and conduction disorders
24. Properties and functions of the blood. Hematopoiesis. General description of the figurative elements of the blood.
25. Pathophysiology of blood I: Diseases of red blood cells
26. Pathophysiology of the respiratory system: dyspnea, cough, asthma, chronic obstructive pulmonary disease.
27. Physiology and pathophysiology of the carbohydrate metabolism: insulin, counterregulatory hormones, diabetes mellitus, hypoglycemia.
28. Non-specific and specific defense mechanisms.
29. Hypersensitivity reactions. Febrile syndrome.
30. Pathophysiology of the nervous system: pain, Parkinson's disease, Alzheimer's disease and epilepsy.
31. Physiology and pathophysiology of the endocrine system: thyroid gland, hypothyroidism, hyperthyroidism, adrenal glands, Cushing's syndrome, Addison's disease.
32. Physiology and pathophysiology of the reproductive system: male and female sex hormones, ovulation, prostate adenoma, cervical cancer.
33. The general and specific functions of the skin: chemical and immunological protection, sensory, thermoregulation.
34. The general and specific functions of the skin: hydro-regulation, absorption, excretion, melanogenesis, keratogenesis.
35. Pathophysiology of the skin: elementary injuries
36. Corrective products and procedures: anti-stretch marks and anti-cellulite products.
37. Maintenance products and procedures: cleaning, exfoliation, mask, massage.
38. Cosmetic products for hair maintenance. Shampoos and regenerating treatments. Pillar cycle - physiology. Anti-alopecia pharmaceutical products.
39. Topical and systemic antiallergic medication with applications in dermatology and cosmetology
40. Dermocorticotherapy

Bibliography :

1. A.N. Cristea, „Tratat de farmacologie”, Ed. Medicală, 2007
2. Karen Whalen, ”Lippincott Illustrated Reviews: Pharmacology”, Ed Walters Kluwer, ed 6-th, 2015,
3. Bertam G., Katzung M. ”Basic and Clinical Pharmacology”, Ed. Mc Graw Hill education, 14th edition, 2017

4. Barbara G. Wells, Terry L. Schwinghammer, Joseph T. DiPiro, Cecily V. DiPiro. Manual de farmacoterapie. Editia a zecea,; Editura Prior & Books, 2019
5. Dobrescu D și col, Memomed, 2020, București, Ed. Minesan
6. Mioc A., Savoiu G. Anatomie, Fiziologie, Fiziopatologie. Note de curs pentru studentii Facultății de Farmacie. Ed. Victor Babes. 2023
7. Savoiu G., Cristescu C., Serban C, Petrus A. Anatomie, Fiziologie si Fiziopatologia Sistemelor Cardiovascuolar, Endocrin, Osos, Muscular, Digestiv, Renal, Respirator. Ed. Eurobit. Timisoara 2014.
8. Savoiu G., Cristescu C., Serban C. Fiziologia si Fizopatologia Metabolismelor. Sangele. Ed. Eurobit. Timisoara 2013.
9. Muntean D, Noveanu L, Duicu O, Sturza A. Fiziopatologia sistemelor respirator si cardiovascular. Ed. Victor Babes, Timisoara, 2015, ISBN: 978-060-8456-48-5, 184 pg.
10. Anca Dragomirescu. Produse cosmetice. Manual pentru studenții programului de studiu. Asistență de Farmacie. Editura „Victor Babeș”, 2020.
11. Anca Dragomirescu. Dermatocosmetologie cu profil farmaceutic, Editura Brumar Timișoara, 2017
12. Ana Michaela Enciu. Manual de cosmetica profesionala. ePublishers. 2019
13. Cristodor Patricia. Carte de învățătură întru ale dermatologiei – vol 1. Notiuni introductive. Ed Victor Babes. 2021

12.12.2023

Șef de disciplină,

Prof .univ.dr. Codruta Soica