

**VLFA08222p - Pharmacology II lecture**  
**General medicine**  
**Spring semester 2019**

19. 2. 2019

**1. INTRODUCTION TO PSYCHOPHARMACOLOGY, ANTIPSYCHOTICS, ANTIPARKINSONICS**

**Lecture content:** History and classification of psychotropic substances. Antipsychotics, antiparkinsonics – basic pharmacological review.

26. 2. 2019

**2. ANXIOLYTICS, HYPNOSEDATIVES, ANTICONVULSANTS**

**Lecture content:** Anxiolytics, hypnosedatives, anticonvulsants - basic pharmacological review. The possibilities of modulation of GABAergic neurotransmission.

5. 3. 2019

**3. ANTIDEPRESSANTS**

**Lecture content:** Pharmacological review of antidepressants and their clinical use.

12. 3. 2019

**4. DRUGS OF DISEASES WITH CHRONIC PULMONARY OBSTRUCTION, H<sub>1</sub>-ANTIHISTAMINES.**

**Lecture content:** Effects of histamine and how to antagonize it. Classification of H<sub>1</sub> antihistamines. Pharmacological review of drugs used in the therapy of diseases with chronic pulmonary obstruction.

19. 3. 2019

**5. ANTIANGIAL DRUGS**

**Lecture content:** Pharmacological review of drugs used in the treatment of both acute and chronic ischemic heart disease.

26. 3. 2019

**6. ANTIHYPERTENSIVES**

**Lecture content:** Pharmacological review of antihypertensives with special focus on drugs interfering with RAAS and diuretics. Second-line antihypertensives.

2. 4. 2019

**7. DRUGS OF HEART FAILURE, ANTIARRHYTHMICS**

**Lecture content:** Review of drugs used in the therapy of acute and chronic heart failure, Pharmacological review of antiarrhythmics.

9. 4. 2019

**8. DRUGS INFLUENCING HEMOSTASIS**

**Lecture content:** Pharmacological review of anticoagulants, antiplatelets, fibrinolytics, and hemostatics.

16. 4. 2019

### **9. ANTI-INFECTIVES I - ANTIBIOTICS**

**Lecture content:** Introduction/principles of ATB therapy, modes of resistance, pharmacological review of single groups of ATBs.

23. 4. 2019

### **10. ANTI-INFECTIVES II – ANTIMYCOTICS AND ANTIVIRALS**

**Lecture content:** Systemic and local antimycotics; antiherpetics; pharmacotherapy of influenza; antiretrovirals; therapy of RSV and viral hepatitis – pharmacological review.

30. 4. 2019

### **11. PHARMACOLOGY OF GIT – ULCER DISEASE, ANTIEMETICS, ANTIDIARRHEALS AND LAXATIVES**

**Lecture content:** Pharmacological review of drugs acting on GIT.

7. 5. 2019

### **12. CYTOSTATICS AND TARGETED THERAPY IN ONCOLOGY**

**Lecture content:** Introduction. Classification of cytostatics according to their mechanisms of action. Mechanisms of resistance to anticancer drugs. Role of single nucleotide polymorphisms (SNPs) and TDM in oncology. Basic pharmacological properties of selected cytostatics. Principles of targeted therapy in oncology. Monoclonal antibodies. Protein kinase inhibitors. Targeted immunotherapy.

14. 5. 2019

### **13. THERAPY OF INTOXICATIONS**

**Lecture content:** Review of most common intoxications and their symptomatology.. General principles of poisoning management. Specific antidotes in poisoning therapy.

21. 5. 2019

### **14. DRUG-DRUG INTERACTIONS**

**Lecture content:** Classification of drug-drug interaction, evaluation of clinical relevance and seriousness of drug interactions, management of drug interactions, possibilities of drug interactions monitoring, case-reports.

28. 5. 2019

### **15. PHYTOPHARMACOLOGY AND PHARMACOGNOSY**

**Lecture content:** Natural sources of medicines, selected groups of herbal active components, herbal preparations. The most common herbal poisons.