Komisija za študijske zadeve
UL Medicinske fakultete

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Medicinska fakulteta

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Course Regime

Course:

Study Programme: GENERAL PHARMACOLOGY AND **TOXICOLOGY**
Medicine **Dental Medicine**

Year of the Course: 1 2 **3** 4 5 6

Semester:
Winter Summer

Course type:
Compulsory Elective

Number of ECTS credits: 3

Lecturer(s): Mojca Kržan, Metoda Lipnik-Štangelj, Katarina Černe

Participating Organisational Units (Departments and Institutes): Institute of Pharmacology and Experimental Toxicology, only.

Parts (Modules) of the Course
1:
2:
3:
4:

Date of Issue: September 15, 2019

A. General part *(applies to compulsory and elective courses)*

1. Course objectives

The main goals are to get knowledge about general priciples of pharmacodynamics, pharmacokinetics, toxicodynamics and toxicokinetics.The subject will set a foundation for clinical pharmacology and therapeutics.

2. Comprehensive outline of the course organisation

There will be 20 hours of lectures, 5 hours of seminars and 15 hours of practicals. The exact information of the time in place of the course are given in the »wise timetable«.

Topics:

1. Introduction, basic mechanisms of drug actions
2. Pharmacokinetics A + D
3. Pharmacokinetics M + E
4. Pharmacology of PNS
5. Pharmacology of cholinergic and adrenergic system
6. Autacoids and NSAID
7. Immunomodulators
8. Pharmacology of CNS
9. introduction into chemotherapy
10. introduction into toxicology

1.Pharmacodynamics
- Concentration response relationships for agonists

2. Pharmacodynamics
- concentration response relationship for agonists in the presence of an antagonist

3. Pharmacokinetics
- basic principles and parameters

4. Drugs affecting PNS and CNS
- basic principles of drugs affecting CNS

5. Toxicology
-basic principles and parameters

The attendance is mandatory. The study material for practicals can be found on http://www.mf.uni-lj.si/media-library/2015/10/46c559a8d07c2d795edfcd9dcc06bac9.pdf and http://www.mf.uni-lj.si/media-library/2015/10/b023b77044e99893665e6c0a2e2fb39a.pdf. There is a short test made out of 3-5 test questions during practicals.
Literature to prepare for tests and final exam: standard textbooks of pharmacology

The attendance of practical sessions is mandatory and the practical sessions start exactly on time. Being late is treated as not arriving. A student can move from study from one to another group by switching with another colleague. Students are advised to bring smart phones or tablets for interactive discussion.

3. Description of on-going assessment of knowledge and skills

There is a short test made out of 3-5 test questions during practical sessions. Literature to prepare for tests and final exam: standard textbooks of pharmacology. A passing score for practical sessions is 60%. Students not achieving the passing score from practicals (60 %) or not attending one practical should pass additional test at the end of semester. Students missing at two or more practical sessions should repeat the course.

4. Required conditions for the final examination (Course Exam)

100% attendance of the course, passing score out of short tests and registration via VIS system.

5. Final assessment and examination of knowledge and skills (Course Exam)

50 test questions with only one correct answer. There are no negative points either for not answered or wrongly answered questions. The passing score is 60%. The grades: 60 – 67.99 % = 6, 68-75.99 % = 7, 76 – 83.99 % = 8, 84 -91.99 % = 9, 92 and more = 10.

6. Other provisions

7. Fundamental study material and Supplement reading

Rang HP, Ritter JUM; Flower RJ Henderson G. Pharmacology. Eight Edition.

8. Exam topics, clinical presentations and skills

See General Pharmacology web site.

9. Other information