



Katedra Farmakologii
Pomorskiego Uniwersytetu Medycznego
ul. Powstańców Wlkp. 72
70-111 Szczecin
tel: 0-91-466 1589; fax: 0-91-466 1600

DEPARTMENT OF PHARMACOLOGY
COURSE IN PHARMACOLOGY AND CLINICAL PHARMACOLOGY
FOR STUDENTS OF FACULTY OF DENTISTRY

The name of Unit in which the subject is realized
Department of Pharmacology

Total hours:

Basic pharmacology: **90 h of classes**

Clinical pharmacology **30 h of classes**

ECTS:

General pharmacology: 1

Clinical pharmacology: 1

Aims of teaching:

Our course are to understand mechanisms of action of specific therapeutic agents and to apply these into clinical settings. This approach seeks to provide a practical and rational prescribing skill base by the end of the final semester of the course. This aims to enable the future doctors to define the patient's problem, define the therapeutic objectives, to check the effectiveness and safety or appropriateness of the preferred agent for that individual patient. In addition, the course aims to provide skills to access information sources (print-based and in electronic format) for new and emerging therapeutic agents.



FORMS OF ACTIVITIES

Subject of **Pharmacology** is carried out in V, VI terms in the form of classes, seminars, lectures, tests and exam. **Clinical Pharmacology** is carried out on VII th term in the form of classes seminars and final test.

Classes of General Pharmacology include 45 h in V term, 45h in VI term. Classes are carried out in groups of 10-15 students. Classes comprise of presentations where tutors present current knowledge on specified topics using multimedia devices. During the classes the knowledge of students is verified by tutor. Twice a term the written tests are carried out.

The exam with Pharmacology finishes the pharmacology course. It is in oral form. The exam has two oral re-takes.

Seminars and classes of Clinical pharmacology include discussions on current therapeutic approach to treatment of individual patients. Clinical cases are discussed. There is final test at the end.



**Curriculum of courses for Faculty of Dentistry III-rd year at the
Department of Pharmacology**

Vth semester

1. Principles of general pharmacology
2. Drugs acting on the peripheral autonomic nervous system. Part I (the parasympathetic system)
3. Drugs acting on the peripheral autonomic nervous system. Part II (the sympathetic agonist and antagonist)
4. Local anesthetics . Agents acting on neuromuscular junction and ganglia.
5. Drugs acting on the blood .
6. Drugs affecting gastrointestinal function
7. Pharmacotherapy of the respiratory tract
8. **Revision of subjects 2-7**
9. Analgesic-antipyretic and antiinflammatory agents
10. Opioid analgesics
11. Hypnotics, sedatives and general anaesthetics
12. Antidepressant drugs. Neuroleptic drugs
13. Drugs in the treatment of epilepsy
14. **Revision of subjects 2-6**
15. Final revision



Curriculum of courses for Faculty of Dentistry 3rd year at the Department of Pharmacology

VIth semester

1. Chemotherapy of microbial diseases I (general principles of chemotherapy, β -lactam antibiotics)
2. Chemotherapy of microbial diseases II (sulfonamides, aminoglycosides, quinolones, tetracyclines, chloramphenicol, macrolides, lincosamides)
3. Chemotherapy of microbial diseases III (antifungal, antiviral, antiparasitic agents and drugs used in the chemotherapy of tuberculosis)
4. Chemotherapy of neoplastic diseases. Agents used in immunosuppression and immunomodulation
- 5. Revision of subjects 1-4**
6. Agents in the treatment of endocrine pancreas.
7. Adrenophyseal hormones. Thyroid and antithyroid drugs
8. Adrenocorticotrophic hormone and adrenocortical steroids
9. Estrogens, progestins and androgens. Agents affecting calcification
10. Drugs used in the treatment of hyperlipoproteinemias
11. Inotropic agents
12. Drugs used for the treatment of coronary heart disease
13. Antihypertensive agents
14. Antiarrhythmic drugs
- 15. Revision of subjects 6-14**



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Curriculum of clinical pharmacology courses for Faculty of Dentistry
IV-th year at the Department of Pharmacology

- 1) Pharmacokinetics
- 2) Anxiety in dental practice
- 3) Treatment of pain in dental practice
- 4) Acute allergic reactions and dyspnea
- 5) Bleeding in dentistry practice
- 6) Drugs in pregnancy
- 7) Test

- 8) Pharmacodynamics
- 9) Treatment of infection in dental practice
- 10) Glucocorticosteroids in dental practice
- 11) Acute cardiovascular states
- 12) Treatment of drug overdose
- 13) Mucosal side effects of drugs. Patients with hypoglycaemia and hyperglycaemia
- 14) Test
- 15) Final revision



October 1, 2011

Rules and regulations for foreign students at the Department of Pharmacology

1. Attendance at seminars

Attendance at courses at the department is obligatory. Every absence must be justifiable, and notified within 1 week from the last day of a non-attendance period. A justified absence can be worked out with another, subject-related group (with a permission of assistant). If such recuperation is not possible, assistant of the group specifies the way how to get a credit within 2 weeks. Lack of the credit in this time-limit is equal to the insufficient mark.

2.Seminars

Credit of each seminar must be obtained. The scope of knowledge of each seminar is given on the announcements' board. Preparation of students for seminars is checked every seminar. Insufficient mark from a seminar can be corrected twice: I time-limit - within 2 weeks, II time-limit at the end of semester. More than three insufficient marks during the whole semester (including non-attended seminars) exclude the possibility to get a final credit of semester. There are two evaluating tests during each semester, and to get a green condition at least one test must be passed. Students with three or less absences and /or who failed one test per Semester are allowed to get green condition and pass it in September. If the letter situations fall in the last semester of teaching (8th semester of the study period) a student can enter the final examination as a second attempt in September (i.e. failed first term).

3.Examination

The final examination from pharmacology is conducted in oral form at the time scheduled by the dean's office. Earlier time-limit for oral examination is restricted only for students with the average mark from each semester not less than 4,0.

The final examination is realized in three attempts: I - in July, II - in September and III - in front of examining board selected by the dean's office.

Prof. dr hab. med. Marek Drożdżik
Head of the Department of Pharmacology