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	УЧЕБНА ПРОГРАМА	Издание: П Дата: 01.02.2013 г. Страница 1 от 1

MEDICAL UNIVERSITY – PLEVEN
DEPARTMENT “*Experimental and Clinical Pharmacology*”
COURSE: *Clinical Pharmacology*

SYLLABUS OF CLINICAL PHARMACOLOGY
for V-year, 10th-semester undergraduates (ELE)
Academic year: 2015/2016

1. Clinical pharmacology and therapeutics: goal, problems. Methods to carry out clinical trials. Phases of clinical drug development.
2. Clinical Pharmacokinetics: Clinical relevance of the pharmacokinetic parameters (steady-state plasma concentration, volume of distribution, elimination half-life, min and max therapeutic concentration). Dosage regimens.
3. Bioavailability and bioequivalence. Therapeutic drug monitoring.
4. Clinical Pharmacodynamics: Criteria for effectiveness of the treatment. Pharmacodynamic models. Reasons for a non-effective drug therapy.
5. Drug therapy in pregnancy.
6. Drug therapy in childhood.
7. Drug therapy in the elderly.
8. Factors, which influence the drug efficacy: Chronopharmacology, genetics.
9. Factors, which influence the drug efficacy: food intake, alcohol consumption, and tobacco-smoking.
10. Clinical-pharmacological approaches of drug therapy in liver insufficiency.
11. Clinical-pharmacological approaches of drug therapy in renal insufficiency.
12. Adverse Drug Reactions (ADR's): type, qualitative and quantitative methods to assess the risk of ADR's. Pharmacoepidemiology.
13. Evidence Based Medicine: goal, problems, and relevance in the medical practice.
14. Pharmacoeconomics.

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