

Clinical Pharmacy and Pharmacotherapy I

Lecture-Nr.: 53880

Type: seminar

Duration: 6 hours per week winter semester, 8 hours per week summer semester

Method of Assessment: Oral examination

ECTS Credit Points: 14

Topics:

The lecture is split into two parts: clinical pharmacy and pharmacotherapy. The lecture on clinical pharmacy covers basic principles of pharmacokinetics and -dynamics, pharmacogenetics, pharmaceutical care and individualized drug therapy as well as the concepts of clinical study design, evidence-based-medicine, risk-benefit-analysis, pharmacovigilance, pharmacoepidemiology and -economy. The lecture on pharmacotherapy covers the pathology of diseases with increased need for pharmaceutical care, especially chronic diseases, and their evidence-based and guideline-driven treatment. Special care is given to drug interactions and to the pharmacotherapy of special groups such as pregnant women, pediatric or geriatric patients and patients with renal or hepatic insufficiency.

Literature:

1. Högger, Strehl; Repetitorium Klinische Pharmazie; Govi-Verlag, Eschborn.
2. Jaehde, Radziwill, Kloft; Klinische Pharmazie: Grundlagen und Anwendung; WVG, Stuttgart.
3. Karow, Roth; Allgemeine und Spezielle Pharmakologie und Toxikologie; Karow (Selbstverlag).
4. Lemmer, Brune; Pharmakotherapie: Klinische Pharmakologie; Springer-Verlag, Heidelberg.

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