

Pharmacology and Toxicology I

Lecture-Nr.: 53811

Type: lecture

Duration: 4 hours per week (winter and summer semester)

Method of Assessment: written examination in winter (Pharmacology and Toxicology I) and summer (Pharmacology and Toxicology II)

ECTS Credit Points: 8

Topics:

The lecture comprises teaching of basic principles in pharmacology and toxicology, of molecular pharmacology and system pharmacology.

Topics of the lecture include: pharmacodynamics, pharmacokinetics, receptor pharmacology, basics in toxicology, autonomic nervous system, cardiovascular pharmacology, haemostasis, haemopoiesis, chemotherapy of microbial diseases, anti-inflammatory agents, immunosuppressant drugs, chemotherapy of neoplastic disorders, drugs affecting metabolism disorders, hormone pharmacology, drugs affecting gastrointestinal disorders, analgesic drugs, anaesthetics, drugs for treatment of psychiatric and CNS disorders, clinical studies

Literature:

1. Aktories; Förstermann; Hofmann; Starke: Pharmakologie und Toxikologie. Urban & Fischer, 2009.
2. Mutschler; Geisslinger; Kroemer; Schäfer-Korting: Arzneimittelwirkungen. 2013.
3. Rang; Dale; Ritter; Flower: Pharmacology. Churchill-Livingstone (inclusive Student-Consult online-Zugang), 2012)
4. Lüllmann; Mohr; Hein: Pharmakologie und Toxikologie. Thieme 2010.

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