**Learning unit: Drug interactions**

**Impact of the learning unit:**

Learning unit gives an overview of the basic types of drug-drug interactions and classifies interactions with respect to their mechanism (pharmacokinetic, pharmacodynamics, pharmaceutical), with respect to the final effect (antagonistic, synergistic), or with respect to their severity.

**Important terms**

drug-drug interactions

pharmaceutical

pharmacokinetic

pharmacodynamic

polypharmacy

desired interaction - use

antidotes - antagonists

summation

potentiation

unwanted interaction

evaluation of drug-drug interaction

proposed solution of drug-drug interaction

**Learning outcomes**

Student explains: drug tolerance, tachyphylaxis, allergy, upregulation, downregulation, internalization of receptors.

Student recognizes drug-drug interaction, describes its severity, and classifies the type of interaction.

Student is oriented in the information sources and recognizes relevant ones.

Student proposes solution of drug-drug interaction and knows suitable alternative drug combination.

**Recommended study materials**

Study materials of the course aVLFA0822c and aVLFA0822p.

<https://www.drugs.com/drug_interactions.html>

<https://www.medicinescomplete.com/mc/alerts/current/drug-interactions.htm>

<https://reference.medscape.com/drug-interactionchecker>

**Exam questions**

*Special pharmacology:* 29. Drugs interactions - overview, examples