

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