Learning unit: Therapeutic index, therapeutic range, therapeutic risk

Importance of the learning unit:

Learning unit introduces general pharmacological aspects of drug safety and its assessment in considering the risk of pharmacotherapy.

Relevant terms

dose-effect relations
effective and toxic dose
lethal dose
therapeutic range
therapeutic index

Learning outcomes

Student explains the terms therapeutic index, therapeutic range, and therapeutic risk.

Student evaluates safety of an example drug using therapeutic index and therapeutic range parameters.

Information sources

Rang & Dale's Pharmacology, 8th edition, 2016, chapter 7, pp. 99-100

Study materials for courses aVLFA0721p and aVLFA0721c.

Exam questions

General pharmacology: 23. Pharmacovigilance, drug safety, advertisement and marketing on the field of therapeutics, ethical issues