

Learning unit: Cognition-enhancing drugs (Nootropics and anti-dementia drugs)

Important terms

anti-dementia drugs

- reversible acetylcholinesterase inhibitors
 - donepezil
 - galantamine
 - rivastigmine
- NMDA receptor antagonists
 - memantine

nootropics (“smart drugs“)

- piracetam
- vinpocetine
- vasodilators of cerebral vessels
 - cinnarizine
 - pentoxifylline
 - naftidrofuryl

Learning outcomes

Student knows basic pharmacological profile (mode of action, adverse effects, indications and contraindications) of anti-dementia drugs and nootropics.

Student lists the main representatives of cognition-enhancing drugs.

Student gives examples of pathological states in which nootropics and anti-dementia drugs are clinically used.

Information sources

Rang & Dale's Pharmacology, 9th edition, 2020, chapter 41 Neurodegenerative diseases, pp. 514-530, chapter 49 Psychoactive drugs, pp. 623-641.

Study materials in the IS – subjects aVLFA0822p and aVLFA0822c.

Exam questions

Special pharmacology: 26. Nootropics. Anti-dementia drugs.

Essential drugs: rivastigmine