

FACULTY OF MEDICINE AND PHARMACY
DEPARTMENT OF PRECLINICAL DISCIPLINES

CONTEST TOPIC

Position 20, lecturer, neurophysiology discipline

1. Reflex activity of the spinal cord. Cutaneous receptors, ascending pathways
2. The brainstem and its functions
3. The role of the motor cortex. Basal ganglia and their functions
4. The cerebellum and its functions
5. The cerebral cortex. Memory. Intellectual functions
6. Wake and sleep
7. Vegetative nervous system
8. The sense of hearing
9. Physiology of vision
10. Hormones. Chemical structure of hormones. The mechanism of action. Regulation of endocrine functions
11. The hypothalamo-pituitary system. Adeno-pituitary hormones. Neurohypophyseal hormones. Disorders of pituitary function
12. Pancreatic hormones
13. Thyroid and thyroid hormones. Calcium homeostasis. Bone physiology
14. Adrenal glands. Adrenal cortical dysfunctions
15. Endocrine function of the gonads.

Bibliography

1. Boron & Boulpaep, Medical Physiology, 3rd Edition, 2016
2. Guyton and Hall, Textbook of Medical Physiology, Elsevier, 2018
3. Mircea Dorofteiu - FIZIOLOGIE, Coordonarea Organismului Uman, 1992