

General comments and recommendations

Training in Physiology must achieve the following **tasks** in the students masters in medicine:

- ❖ To acquire the required volume of knowledge of the physiology, set out in the educational content
- ❖ To apply your knowledge of chemistry, biochemistry, physics, biophysics, general biology and morphology in answering questions and solving of tasks in the field of Physiology
- ❖ To apply your knowledge of the different sections of Physiology in resolving problems relating to the adaptation of human body to different States and conditions.
- ❖ To acquire skills for performing experiments on animals, provided for in the program, and to interpret the experiment results.
- ❖ To carry out the following clinical research methods:
 - registration of ECG
 - auscultation of the heart sounds
 - measurement of arterial pressure
 - measurement of lung volumes and capacities
 - determining the gas composition of the exhaled air
 - determination of metabolic rate by the method of indirect calorimetry
 - clearance method for the study of kidney function
 - determining the parameters of acid-base balance and correction of disorders
 - diagnosis of early pregnancy
 - study of clinically important reflexes in human
 - audiometry
 - study of visual acuity
 - study of color vision
 - study of pupil's reflexes
 - perimetry
- electroencephalography
- ergography.
- determining the number of WBC and RBC; hemoglobin, hematocrit and calculation of hematological indices
- determination of ESR
- determination of clotting and bleeding time
- determining the blood groups

- ❖ To carry out an analysis of the results of the clinical research methods
- ❖ To know the physiological intervals of fundamentals of composition of body fluids and of parameters characterizing the basic functions in the human organism.

FORMS OF TRAINING:

- Lectures
- Exercises

TRAINING METHODS:

- lecture presentation
- practical exercises
- discussions
- individual and group practical tasks
- study of scientific literature
- self-study

CONTROL AND ASSESSMENT OF KNOWLEDGE:

- Current assessment with tests and colloquiums
- The final assessment by a practical examination and theoretical written and oral examination