«Утверждаю»
и.о. ректора, и.о. проректора по учебной деятельности
профессор _____ А.Б. Ходжаян
«28» февраля 2021 г.

«Согласовано»
декан факультета иностранных студентов
доцент _____ С.В. Знаменская

Перечень практических навыков для студентов 3 курса факультета иностранных студентов по учебной дисциплине «Патофизиология, клиническая патофизиология».

1. To conduct a pathophysiological analysis of clinic-laboratory, experimental and other data and formulate on their basis a conclusion on the possible causes and mechanisms of the development of pathological processes (diseases).
2. Plan and carry out (with the observance of the relevant rules) animal experiments, process and analyze the results of experiments, correctly understand the significance of the experiment for studying clinical forms of pathology (a model of inflammation, hypoxia, fever, etc.).
3. Using date of arterial pressure calculate the stroke volume of heart and the cardiac output according to Starr's formula. Estimate the pump function of the myocardium according to calculated parameters.
4. You must be able according to ready electrocardiograms: 1) to define the type of cardiac arrhythmias: a) due to disorders of automatism (the sinus tachycardia, the sinus bradycardia); b) due to disorders of excitability (the extrasystolia, the paroxysmal tachycardia, the atrial flutter and fibrillation, ventricular fibrillation); c) due to disorders of conductivity (complete and incomplete atrioventricular block); 2) prove your answer and named sing of this tape cardiac arrhythmia; 3) name possible mechanisms of this type cardiac arrhythmia.
5. You must know: a) the technique of ECG researches of heart; b) the technique of differential calculation of leukocytes;
6. Estimate haemograms and make the conclusion: 1) about presence or absent of anemia and: a) calculate color index; b) estimate of anemia according to color index; c) estimate anemia according to type of hemopoiesis; d) estimate anemia according to function of the bone marrow; 2) about presence or absent leukocytosis or leukopenia: estimate the leukocytic formula at differential count (per sent) of the various types of WBC: a) estimate the leukocytic formula at presence or absence of "nuclear" shift of neutrophils, and its character (considering total quantity of WBC); b) name two or three diseases at which similar analysis of blood may be;
3) the conclusion about presence or absent of a leukosis and: a) its type at morphological attribute; b) its type at clinical current; c)its type at quantity of leukocytes in unit of volume of blood.
7. Distinguish the basic types of jaundices (mechanical, hemolytic or parenchymal) according to biochemical analyses of blood, urine and excrement
8. Define under ready analyses of the urine and some functional parameters of the organism presence of typical disorders of kidneys (nephritic or nephrotic syndromes).
9. On ready temperature curves you must be able: a) to define type of the temperature curve (English and Latin names); b) to characterize daily fluctuations of temperature; c) to name at what diseases there is a given type of a temperature curve.
10. Must be able to define type of hypoxia at parameters of oxygen-transport function of blood.
11. Must be able to define the type of the periodic respiration represented on spirogram. Explain causes and the mechanisms of its development.
12. Must be able to define typical disorder of the secretory function of a stomach according to the analysis of gastric juice: a) hypersecretion with hyperacidity; b) hyposecretion with hypochlorhydria; c) hyposecretion with achlorhydria
13. Name the basic principles of treatment of acute inflammation.

Протокол заседания кафедры от «28» января 2021 г. № 9

Заведующий кафедрой
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