

QUESTION FOR THE TEST

in the discipline "**Modern aspects of clinical laboratory diagnostics**" in the specialty 1-79-01-01 "Medical care" of the Faculty of Foreign students with English as the language of instruction

for the 2020/2021 academic year

1. General urine analysis.
2. Organized and unorganized sludge, the analyzed factors, clinical relevance.
3. Rehberg-Tareev test, method of execution, interpretation of results.
4. Creatinine blood levels, reference values, values, factors influencing the concentration, clinical relevance.
5. Osmolality urine, osmolality rate and clearance of osmolality, methods of determination, reference levels, clinical relevance.
6. Zimnitsky test, method, interpretation of the results.
7. Proteinuria, classification, methods of determination, interpretation of the results.
8. General clinical blood analysis.
9. Anemia, concept, classification, laboratory diagnostics.
10. Iron-deficiency anemia, causes of development, laboratory diagnostics.
11. Megaloblastic anemia, reasons for vitamin B12 and folic acid deficiency development, laboratory diagnostics.
12. The hemostatic system, its role in the body.
13. Primary hemostasis, its components.
14. Secondary hemostasis, brief description of plasma blood clotting.
15. Fibrinolytic system, activators and inhibitors of fibrinolysis.
16. Laboratory research methods of primary hemostasis.
17. Activated partial thromboplastin time (APTT), method of determining, interpretation of the results.
18. Prothrombin time (PT), method of determining, ways of expression, interpretation of the results.
19. Thrombin time (TT), method of determining, interpretation of the results. Blood plasma fibrinogen, methods of determining, interpretation of the results. Paracoagulation tests, types, method of execution, clinical relevance.
20. Laboratory evaluation of the fibrinolytic system.
21. Principles of laboratory diagnostics of thrombosis and bleeding.
22. DIC-syndrome.
23. General analysis of spinal fluid.
24. Lumbar puncture indications, material sampling, shipping and storage rules, execution timing analysis.
25. Assessment of physical properties of spinal fluid (pressure, color, transparency).

26. Cytosis of spinal fluid, reference values, rules of counting, diagnostic value. Laboratory evaluation of stomach functions.

27. Laboratory methods for the diagnostics of *Helicobacter pylori*.

28. Laboratory evaluation of the functions of the small intestine.

29. Fractional duodenal intubation, carrying out indications, procedure method, interpretation of the results.

30. Functional tests in the evaluation of the functions of the small intestine. Laboratory methods of examination of the large intestine.

31. Coprogram, preparation of the patient, rules of sampling, transportation and storage of biological material.

32. Laboratory evaluation of the functional state of the pancreas.

33. Laboratory methods for the study of the liver functions.

34. Metabolic aspects of oncological diseases.

35. Algorithm research on oncomarkers.

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