

ЛД-16 ИИ

Federal State Budgetary Educational Institution of Higher Education

«North-Ossetia State Medical Academy»

of the Ministry of Healthcare of the Russian Federation

Department of biological chemistry

APPROVE

Department head

BIOLOGICAL CHEMISTRY

Associate Professor  Gurina A.E.

February 2022

Calendar-thematic plan of lectures

Discipline _____ *Clinical* _____ *Laboratory* _____ *Diagnostics* _____

Cours _____ *6* _____

Faculty of General Medicine _____

for the spring semester 2021/2022 academic year

Serial №	Name of topics of lectures of the academic discipline	Lecturer
1	2	12
1. 09.02.2022	Fundamentals of the organization of health care and laboratory services. Quality control (QC) of laboratory research.	Plieva A.B. C. M.S.
2. 16.02.2022	Clinical researches. Hematology.	Plieva A.B. C. M.S.
3. 02.03.2022	Clinical studies in CDL (urine, effusions, cerebrospinal fluid, sputum, gastric contents, duodenal contents, composition of pancreatic and intestinal contents; a brief description of the clinical picture of syphilis, gonorrhea and trichomoniasis; general principles of parasitic diseases, nematodes, cestodes, trematodes; types of protozoa, living in the human gastrointestinal tract; types of malarial plasmodia parasitizing in humans). Express diagnostics of clinical trials.	Plieva A.B. C. M.S.

4. 09.03.2022	<p>Biochemical research methods.</p> <p>The use of test strips in the study of biochemical parameters of blood.</p> <p>Immunochromatographic analysis for the determination of cardiac Troponin I (cTnI), creatine phosphokinase MB (CK-MB) and myoglobin (Muo) as one of the express methods of biochemical analysis.</p>	<p>Plieva A.B. C. M.S.</p>
5. 16.03.2022	<p>Coagulology. hemostasis system. The main links of the hemostasis system. Internal and external mechanism of activation of the hemostasis system. Norm and pathology of the hemostasis system. Hemophilia. Thrombocytopathies. thrombocytopenia. K-avitaminosis. The concept of thrombophilia and hemorrhage.</p> <p>Chromatographic test for the qualitative determination of the content of D - dimer in plasma and whole blood. Rapid assessment of the content of soluble fibrin-monomer complexes (SFMK) in blood plasma.</p>	<p>Plieva A.B. C. M.S.</p>
6. 23.03.2022	<p>Subject and tasks of immunology. The concept of the immune system and immunological reactivity. Central and peripheral organs of the immune system. Immunoglobulins (antibodies). Classification, structure and functions.</p> <p>Immunohematology. Determination of blood groups according to the ABO system and the Rh factor. Express diagnostics for determining blood groups. Methods for express diagnostics of immunological studies (latex test, for qualitative and semi-quantitative determination of the content of rheumatoid factor, antistreptolysin - O, immunochromatographic test for the detection of antibodies to Treponema pallidum.) Methods of enzyme immunoassay (ELISA).</p>	<p>Plieva A.B. C. M.S.</p>
7. 30.03.2022	<p>General data on the structure and functions of organs and tissues are normal.</p> <p>Cytological studies.</p> <p>Methods of bacteriological research</p> <p>Methods of molecular genetic research</p>	<p>Plieva A.B. C. M.S.</p>
	TOTAL:	14 h.

Compiled by - Associate Professor of the Department of "BIOLOGICAL CHEMISTRY"
Plieva A.B.



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Note:

Lectures on the discipline are given in room A 7 on the basis of FSBEI HE NOSMA MZ
Clinical Hospital NOSMA