

**Ministry of Health of Ukraine
Bogomolets National Medical University**

**GUIDELINES
for independent work of students**

**Academic discipline
«Ophthalmology»
Educational level «Master»
Field of knowledge 22 «Health care»
Specialty 222 «Medicine»
Department of Ophthalmology**

Kyiv - 2024

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Approved at the meeting of the Department of Ophthalmology from “29” August 2024 year, protocol No.1

Head of the Department, Doctor of Medicine, Professor Zhaboiedov D.G.

Considered and approved: Central Committee on Surgical Disciplines from _____ 202_ year, protocol №__

2. The topic of the lesson «**Pathology of orbit**».

3.Competences.

After studying the topic, students should **know**: clinic, diagnosis and treatment of phlegmon of the orbit; clinic, diagnosis and treatment of orbital tumors; **be able to**: estimate the position of the eyeball in the orbit; diagnose phlegmon of the orbit.

4. The didactic goal is the expansion, deepening and detailing of scientific knowledge acquired by students at lectures and in the process of independent work and aimed at increasing the level of assimilation of educational material, inculcating abilities and skills, developing scientific thinking and oral speech of students.

5. Number of classroom hours: 1,25 hours.

6. Equipment: tables, drawings, videos, table lamp, magnifying glass, exophthalmometer, disinfecting means for treating hands.

Lesson plan:

№	The name of the stage	Description of the stage	Levels of learning	Time
1.	Preparatory (15%). Methodological support materials: questions, exercises of the II level, written theoretical tasks, tests of the II level.	1.Organization of the lesson. 2.Setting educational goals, motivation of the topic. 3. Control of the initial level of knowledge, skills, abilities: 1) general signs of diseases of the orbit; 2) orbit research methods; 3) etiopathogenesis, clinic, diagnosis and principles of treatment of neoplasms of the orbit; 4) consequences of phlegmon of the orbit; 5) classification of orbital neoplasms; 6) clinic, diagnosis and principles of treatment of neoplasms of the orbit.	II	8 min.
2.	Basic (65%). Methodological support materials: atypical exercises in the forms: patients, case histories, text situational exercises, business game; algorithms of formation of professional skills.	1.Formation professional skills and abilities: 1)to master the skills of objective examination; 2) to justify the diagnosis based on the results of the study; 3) to conduct the patient care, to justify and make a clinical diagnosis, prescribe treatment.	III	37 min.
3.	Final (20%). Methodological support materials: text situational exercises, level III tests, results of the curation of patients (medical histories); indicative map of the independent work with literature.	1. Control and correction of the level of professional skills and abilities. 2. Discussion of the results of the curation of patients. 3.Summary of lessons (theoretical, practical, organizational). 4. Homework: educational literature on the topic (main, additional).	III	11 min.

7. Recommended literature:

Basic

1. Zhaboyedov G.D., Kireev V.V. Ophthalmology: practicum: educational guide. - K.: VSV "Medicine", 2013. - 280 p.
2. "Ophthalmology" textbook /OP Vitovska et al.; K.: " Medicine ", 2017. - 648 c.

Auxiliary

1. Wills Clinic. Diagnosis and treatment of eye diseases / Ed. Douglas Cullom and Benjamin Chang - Lviv: Medicine of the World, 2019. - 504 p.
2. Augusta Azuara-Blanco and others. Glaucoma terminology and guidelines. 5th edition. – 2021, 170 p.
3. Wenger G.Yu., Soldatova A.M., Wenger L.V. Ophthalmology. Course of lectures. – 2010., 180 p.
4. Zavorodnia N.G., Sarzhevskaya L.E., Ivakhnenko O.M. etc. Anatomy of the eye. Research methods in ophthalmology: teaching. manual for medical students. facts. - Zaporizhzhia, 2017. - 76 p.