

**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_, protocol No. __

2. The subject of the lesson "**Strabismus**".

3. Competencies .

After studying the topic, students should **know:** methods of determining the nature of vision (binocular, monocular, simultaneous); types of strabismus; differential diagnosis of concomitant and paralytic strabismus; consequences of strabismus; principles of treatment and prevention of strabismus; **be able to:** determine the angle of strabismus according to Hirshberg ; to diagnose paralytic and conjoint strabismus; determine the volume of eyeball movements.

4. Didactic goal - expansion, deepening and detailing of scientific knowledge obtained by students at lectures and in the process of independent work and aimed at increasing the level of assimilation of educational material, instilling skills and abilities, development of scientific thinking and oral speech of students.

5. Number of classroom hours: 4.25 hours.

6. Equipment: tables, drawings, video, color test , table lamp, magnifying glass, electroophthalmoscope , disinfecting means for hand treatment.

Lesson plan:

No	The name of the stage	Description of the stage	Levels of learning	Time
1.	Preparatory (15%). Methodological support materials: questions, problems 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) methods of studying binocular vision; 2) types of strabismus; 3) methods of studying the angle of strabismus and the direction of eyeball movements; 4) classification, diagnosis, clinical picture and consequences of comorbid strabismus; 5) differential diagnosis of concomitant and paralytic strabismus; 6) methods of treatment and prevention of strabismus.	II	28 min.
2.	Basic (65%). Methodological support materials: atypical tasks in the forms: patients, case histories, textual situational tasks, business game; algorithms of formation of professional skills.	1. Formation of professional skills and abilities: 1) master the skills of 'objective examination; 2) justify the diagnosis based on the results of the study; 3) conduct the patient's treatment, substantiate and make a clinical diagnosis, prescribe treatment.	III	125 min.
3.	Final (20%). Methodological support materials: textual situational problems, level III tests, results of curation of patients (medical histories); indicative map of 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	38 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.