

**Thematic lesson plan of seminars
in the discipline "Ophthalmology"
for students of the educational program specialist
in the specialty 31.05.01 General medicine,
direction (profile) General medicine,
form of study Full-time
for the 2023–2024 academic year**

№	Thematic blocks	Hours (academic)
1.	Introduction in Ophthalmology. Anatomy and physiology of the visual organ (part 1)	2,0
	Methods of examination of the visual organ. Demonstration of the video about methods of clinical examination of ophthalmologic patients (part 2).	2,0
2.	Visual functions and age dynamics of their development (part 1).	2,0
	Checking of visual function. Demonstration of the video about visual functions' examination (part 2).	2,0
3.	Physiological optics. Clinical refraction. Principles of ametropias' correction. Accommodation and its disorders: paralysis, spasm, presbyopia, asthenopia (part 1).	3,0
	Pathology of the oculomotor apparatus. Concomitant and paralytic strabismus (part 2).	2,0
4.	Diseases of the eyelids and conjunctiva in adults and children (part 1).	2,0
	Diseases of the lacrimal organs in adults and children. Diseases of the orbital cavity (part 2).	2,0
5.	Diseases of the cornea in adults and children. Outcomes of keratitis (part 1).	2,0
	Episcleritis and scleritis in adults and children (part 2).	2,0
6.	Diseases of the vascular tract in adults and children (part 1).	2,0
	Ophthalmooncology in adults and children: melanomas of the vascular tract (part 2).	3,0
7.	Pathology of the lens. Cataracts: senile, complicated, congenital. (part 1).	2,0
	Contemporary cataract surgery. Demonstration of the video «Extracapsular cataract extraction. Phacoemulsification of Cataract». Pathology of the vitreous body (part 2).	2,0

8.	Pathology of intraocular pressure. Primary glaucoma. Acute attack of closure-angle glaucoma: clinical features, differential diagnosis, treatment (part 1).	2,0
	Pathology of intraocular pressure. Secondary glaucoma. Congenital glaucoma (part 2).	2,0
9.	Ocular trauma in adults and children. Penetrating injuries of the eye-globe in adults and children. Blunt ocular trauma. Eyelid' injuries (part 1).	3,0
	Chemical and thermal burns of eye-globe and its adnexa. Urgent ophthalmology in ocular trauma (part 2).	2,0
10.	Pathology of the retina (retinal detachment, central retinal artery obstruction, central retinal vein obstruction) (part 1).	2,0
	Diseases of the optic nerve (optic neuritis, congestive optic disk, optic nerve atrophy) (part 2).	2,0
11.	Changes of eye fundus in systemic vascular diseases (arterial hypertension, diabetes mellitus) (part 1).	2,0
	Changes of the organ of vision in systemic diseases. Curation of the patient and registration of the case of history (part 2).	2,0
12.	Intermediate certification: control of practical skills. Clinical cases solving. Discussion of curation results (part 1).	2,0
	Interview on control questions (part 2).	2,0
	Итого	51

Considered at the meeting of the department of ophthalmology "05" May 2023, protocol No13

Head of the Department



I.A.Gndoyan