

**Medical University Plovdiv  
Ophthalmology chair**

**QUESTIONNAIRE FOR THE END EXAM  
IN OPHTHALMOLOGY MEDICAL STUDENTS**

1. Eyeball – general information.
2. Anatomy of the outer layer of the eyeball / cornea, sclera /.
3. Anatomy of the middle layer of the eyeball / uvea /.
4. Anatomy of the retina.
5. Anatomy of the visual pathways.
6. Anatomy of the eyelids and conjunctiva.
7. Anatomy of lacrimal apparatus.
8. Anatomy of the orbit.
9. Anatomy of the muscular system of the eye - external muscles of the eye.
10. Light perception. Adaptation. Methods of examination. Disturbances of adaptation.
11. Colour vision. Theories and disturbances.
12. Central vision. Visual acuity. Examination of visual acuity. Visual charts.
13. Peripheral vision. Visual field. Methods for examination. Changes in visual field – scotomata, anopsias concentric narrowing.
14. Binocular vision. Fusion.
15. Diseases the orbit - general data. Inflammatory diseases of the orbit and soft tissues of the orbit.
16. Tumours of the orbit. Parasitic orbital diseases.
17. Inflammatory diseases of the skin and subcutaneous tissue of the eyelids. Diseases of the eyelid margins.
18. Tumours of the eyelids and conjunctiva.
19. Disturbances of eyelid mobility and position.
20. Inflammatory diseases of the conjunctiva – signs and symptoms
21. Conjunctivitis – types, signs, treatment.
22. Chronic conjunctivitis. Chlamydial conjunctivitis - paratrachoma and trachoma.
23. Allergic and autoimmune conjunctivitis. Vernal conjunctivitis. Lymphatic keratoconjunctivitis. Degenerations the conjunctiva - pinguecula and pterygium. Dry eye syndrome.
24. Diseases of the lacrimal drainage system.
25. Superficial non - purulent keratitis.
26. Superficial purulent keratitis.
27. Anomalies in size and curvature of the cornea. Keratoconus. Keratoplasty. Corneal refractive surgery.
28. Anterior uveitis / iridocyclitis / - clinical features, complications, differential diagnosis, treatment.
29. Posterior uveitis, chorioretinitis.
30. Inflammatory diseases of the whole uvea - tubercular, syphilitic, Toxoplasma, sarcoidosis. Ocular signs in AIDS.
31. Sympathetic ophthalmia. Endophthalmitis.
32. Malignant melanoma of the uvea.

33. Diabetic retinopathy and retinal changes in hypertension.
34. Acute retinal arterial and venous occlusive disease (branch and central retinal artery and vein occlusion).
35. Age – related macular degeneration (AMD). Retinitis pigmentosa. Central serous retinopathy.
36. Retinal detachment - congenital, primary, secondary.
37. Tumours of the retina / retinoblastoma /.
38. Retinopathy of prematurity (ROP).
39. Papilloedema. Inflammation of the optic nerve - papillitis, retrobulbar neuritis.
40. Ischaemic optic neuropathy. Optic atrophy - primary and secondary.
41. Pupil - general data. Normal reactions of the pupil. Abnormal reactions of the pupil.
42. Senile cataract, forms, stages, treatment. Aphakia.
43. Congenital cataracts. Changes of lens location - traumatic, congenital.
44. Primary open-angle glaucoma.
45. Angle closure glaucoma.
46. Congenital glaucoma. Secondary glaucomas - pigmentary, pseudoexfoliative, neovascular and traumatic.
47. Refraction of the eye. Physical optics. Eye as an optical system. Physical and clinical refraction. Examination of refraction - subjective and objective methods.
48. Accommodation - types, paralysis and spasm of accommodation. Presbyopia.
49. Hypermetropia, hyperopia.
50. Nearsightedness, myopia.
51. Astigmatism. Anisometropia. Eyeglasses - definition of spectacle lenses, magnifying glasses, telescopic spectacles. Contact lenses.
52. Eye motility disorders - general data. Amblyopia - types and treatment. Concomitant squint.
53. Paralytic squint.
54. Trauma the eyeball and its adnexa - general data. Classification. Injuries to the eye and its adnexa. Principles of treatment.
55. Penetrating injuries of the eyeball and adnexa with or without foreign body. Principles of treatment.
56. Eye burns - thermal, chemical. Radiation damage of the eyes. Principles of treatment.
57. Blindness - degrees, causes and types. The most common topical drugs in ophthalmology.
58. Emergency in ophthalmology: traumas, acute glaucoma attack, acute occlusion of retinal arteries and veins.

Chief of ophthalmology chair: .....  
/Prof. Nelly Sivkova, MD, PhD, FEBO /

Разгледана на Катедрен съвет №7/27.05.2021г.

**QUESTIONNAIRE FOR THE PRACTICAL EXAM  
IN OPHTHALMOLOGY MEDICAL STUDENTS**

- 1.Exposing of the conjunctiva.
- 2.Massage of the lachrymal sac.
3. Shirmer test.
- 4.Fluorescein test.
- 5.Examination of the corneal sensitivity.
- 6.Biomicroscopy.
7. Illumination.
- 8.Ophthalmoscopy.
- 9.Examination of color vision.
- 10.Examination of visual acuity, perception and projection of light.
- 11.Control method of examination of visual field.
- 12.Palpation method of examination of the intraocular pressure.
- 13.Instillation of ocular medicaments (drops, crèmes).
- 14.Examination of the papillary reactions.

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