
	FORM	Index: Fo 04.01.01-02
	SYNOPSIS	Edition: P
		Date: 03.09.2013 г.
		Page 1 of 2

Synopsis in ophthalmology (academic 2015/2016)

1. Anatomy of the orbit.
2. Anatomy of the eyelids.
3. Anatomy of the lacrimal system.
4. Anatomy of the extraocular muscles.
5. Anatomy of the cornea.
6. Anatomy of the uvea.
7. Anatomy of the retina.
8. Visual pathways and centres.
9. Physiology of vision. Adaptation. Disorders in the adaptation.
10. Colour vision. Disturbances in colour vision
11. Visual field. Methods of examination. Pathologic changes in the visual field.
12. Visual acuity. Methods of examination. Principles.
13. Physical and clinical refraction, ametropias
14. Refraction-subjective and objective methods of examination.
15. Accommodation. Disorders in the accommodation.
16. Binocular vision.
17. Myopia. Clinical features, complications, treatment.
18. Hypermetropia. Clinical features, treatment.
19. Systematical order of the eye examination (ophthalmic status).
20. Most frequently used drugs in ophthalmology and methods of their administration.
21. Diseases of the orbit.
22. Diseases of the eyelids.
23. Diseases of the lacrimal system.
24. Conjunctivitis. Allergic conjunctivitis.
25. Trachoma. Etiology, clinical features, treatment, complications, prophylaxis.
26. Superficial nonpurulent keratitis.
27. Purulent keratitis.
28. Stromal /interstitial/ keratitis.
29. Degenerations of the cornea - treatment.
30. Scleritis
31. Iridocyclitis – etiology, pathogenesis, clinical features and treatment.
32. Chorioretinitis - etiology, pathogenesis, clinical features and treatment.
33. Uveitis - etiology, pathogenesis, clinical features and treatment.
34. Pupil. Pupillary reactions-normal and pathological.
35. Hereditary and congenital cataract.
36. Acquired cataract.
37. Treatment of cataract.
38. Diseases of the retina-subjective and objective symptoms.
39. Changes in the eye fundus in Morbus hypertonicus and atherosclerosis
40. Vascular diseases of the retinal. Retinal vein occlusion.
41. Vascular diseases of the retinal. Retinal artery occlusion.
42. Vascular diseases of the retinal. Diabetic retinopathy.
43. Macular degeneration-forms, clinical features, treatment.
44. Retinal pigment degeneration.
45. Retinal detachment.
46. Optic neuritis.

	FORM	Index: Fo 04.01.01-02
	SYNOPSIS	Edition: P
		Date: 03.09.2013 г.
		Page 2 of 2

47. Papilledema and vascular diseases of the optic nerve.
48. Toxic damages and atrophy of the optic nerve.
49. Diseases of the optic chiasm and the central part of the visual pathway.
50. Eye diseases, connected to metabolic disorders.
51. Glaucoma. Definition, types and forms. Methods for examination.
52. Open-angle glaucoma.
53. Angle-closure glaucoma.
54. Secondary and congenital glaucoma.
55. Drug treatment and surgery of glaucoma.
56. Paralytic and concomittant strabismus.
57. Ocular trauma. Classification, methods of examination, clinical features. Common principles of the treatment.
58. Traumatic injuries of the orbit and eyelids.
59. Blunt trauma of the eyeball.
60. Injuries of the eyeball, first aid.
61. Chemical and thermal burns of the eye, first aid.
62. Retinoblastoma.
63. Tumors of the uvea.
64. Emergencies in Ophthalmology – trauma, vascular occlusion, acute angle-closure glaucoma, and burns.
65. Causes of blindness-anatomical localization.
66. Causes of blindness. Our fight against blindness.