



# Course program "Vitreoretinal surgery"

## Refractive surgery

1. History of keratorefractive surgery.
2. Mechanical microkeratome. Kinds. Features of the formation of the flap. Complications.
3. Keratorefractive operation. Making decisions.
4. Fundamentals of keratopography and keratotomography.
5. Femto lasik. Features of the formation of the flap. Application in corneal surgery.
6. Complications of femto lasik.
7. Presbyopia. Methods of surgical correction.
8. Interim certification.
9. Surface ablation procedures. PRK, PTK, LASEK, Trans-PRK. Complications of superficial ablation operations, patient management.
10. Smile , principles, selection criteria, preparation, postoperative management, complications.
11. Modern possibilities of refractive surgery. Operation method selection algorithm.
12. Excimer laser correction of PRESBYOPIA, modern possibilities, indications, results.
13. Interim certification.
14. Intraocular correction. Refractive lens replacement. Phakic IOLs. Complications of phakic IOL implantation.
15. Pharmacological support of keratorefractive operations.
16. Standard and "personalized" vision correction technologies: striving for the best or a marketing ploy.
17. Complications of keratorefractive operations.
18. Final examination.