

The theme of my thesis Prevention of complications of laser LASIK eye surgery, I chose based on their interest in ophthalmology, especially about the possibility of laser operations cornea.

Laser surgical method LASIK (laser in situ Keratomileusis) is one of the most modern methods of eyecorrection defects in the present. The principle is to create a thin layer of the cornea called lamella, which is under the changed shape of the cornea with laser so that defect was corrected fragility of the optical system of the eye. plates creating a device called a microkeratome, which cuts a thin layer of corneal epithelium and stroma oscillating metal edge. The latest variant of the femtosecond LASIK laser, the femto-LASIK. When there is a strip created by laser and no longer need a mechanical microkeratome. laser surgery Femto-LASIK and LASIK are used to correct myopia, hyperopia and astigmatism. They can be used in the range of approximately from +6 to DP-12DP.

The advantage of laser methods, high security, good dozovatelnost and especially maintaining accommodation. At high myopia, especially over-12D, there is a substantial reduction in width optical zone, and thus problems such as driving a car at night, the glare, etc.