

NEW APPROACHES OF THE STUDYING FILTRATION BLEB FOLLOWING GLAUCOMA SURGERY

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The purpose is to study the eyelids inflammatory on the background of Meibomian gland dysfunction (MGD) to the bleb formation after glaucoma surgery. Materials and Methods: Were studied 68 eyes of 52 patients following glaucoma surgery within the terms 6- 18 months. All the patients were divided on groups according to the intraocular pressure (IOP) compensation. The first group - 28 eyes (41,7%) with normal IOP, the second group- 21 eyes (30,9%), had IOP compensation with additional hypotensive therapy , and the third group- 19 eyes (27,9%) with bleb cicatrization and IOP decompensation. The filtering bleb was classified according "Wuerzburg bleb classification score. The state of eyelids and ocular surface was evaluated in points, using average integral index. Results: First group of patients was characterized by minimal signs of MGD, integral indicator of ocular surface - $15\pm 1,6$ points. The second group had mild or moderate symptoms of MGD, integral index - $28,1\pm 2,1$, signs of subconjunctival scarring. The third group was characterized by moderate or severe features of MGD, high level of integral index $36\pm 2,8$ and flat, vascularizate filtering bleb ($P\leq 0,05$). Conclusion: Cicatrization or fibrosis of filtering bleb and stability of IOP compensation is connected with the severity of the MGD and ocular surface disease.