INTRAOCULAR LENS EXCHANGE IN CASE OF NEGATIVE DYSPHOTOPSIA SYMPTOMS
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Purpose: To evaluate the effectiveness of lens exchange in eyes affected by negative dysphotopsia (ND) related complaints.

Methods: On 6 eyes of 6 patients, undergone previously uneventful standard phacoemulsifications and in the bag posterior chamber lens (PCL) implantation, intraocular lens (IOL) exchange was carried out because of intolerable ND symptoms. In 1 eye the 3-piece secondary PCL was implanted in the bag, while in the other 5 cases there were implanted in the ciliary sulcus.

Results: In cases of in the bag secondary PCL implantation (1 eye) ND symptoms persisted, and the iris-IOL distance practically remained the same. However, in cases of in the ciliary sulcus secondary PCL implantation (5 eyes) ND related complaints disappeared, and the iris-IOL distance became virtual. Visual outcome was excellent in all cases, with minor side effects (1 cystoid macular oedema, 1 chronic ciliary irritation), and all of the 5 patients underwent ciliary sulcus secondary IOL implantation were satisfied with the result.

Conclusion: In case of intolerable ND symptoms IOL exchange may become necessary. In our experience secondary IOL must implant in the ciliary sulcus.