

论文

白内障超声乳化吸除术后泪膜的变化及影响因素

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摘要:

目的 探讨白内障超声乳化联合人工晶体植入术后泪膜的变化及影响因素。方法 选择老年性白内障患者60例(70只眼), 均行白内障超声乳化吸除联合人工晶体植入, 观察分析术前, 术后1d、1周、2周、1个月的主观干燥异物感, 通过角膜荧光素试验(FSC)、基础泪液分泌试验(SIT)、泪膜破裂时间(BUT)测定泪膜功能, 检测角膜知觉情况。结果 与术前相比, 术后1d、1周、2周术眼干燥异物感、角膜荧光素染色、SIT 程度明显增加, BUT变短, 比较差异均有统计学意义(P<0.05); 术后1个月时干燥异物感、角膜荧光素染色、SIT及BUT程度恢复至术前水平, 与术前比较差异无统计学意义(P>0.05); 术后1个月角膜知觉恢复至术前水平。结论 白内障超声乳化联合人工晶体植入术可在短期内影响患者泪膜功能, 导致部分患者发生干眼症; 泪膜稳定性与角膜知觉呈正相关性。

关键词: 白内障超声乳化术; 泪膜; 角膜知觉

Changes and influencing factors of the tear film after phacoemulsification

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Abstract:

Objective To study changes and influencing factors of the tear film after phacoemulsification combined with intraocular lens implantation. Methods Sixty patients (70 eyes) with age-related cataract who underwent phacoemulsification combined with intraocular lens implantation were selected, and the chief complaint of dry eye syndrome, Schirmer I test (SIT), tear breakup time(BUT), corneal fluorescein staining (FSC) and corneal sensitivity values were analyzed before and 1 day, 1 week, 2 weeks and 1 month after operation. Results Compared with the data before operation, the complaint, SIT, BUT and FSC scores had statistically significant differences 1 day, 1 week and 2 weeks after operation (P<0.05), while there was no statistically significant difference 1 month after operation (P>0.05). Corneal sensitivity returned to the preoperative level at 1 month postoperatively. Conclusion Phacoemulsification combined with intraocular lens implantation significantly affects the tear film function in the short term, and some patients may have dry-eye syndrome after surgery. Tear film stability has a significantly positive relationship with corneal sensitivity.

Keywords: Phacoemulsification; Tear film; Corneal sensitivity

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