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Alternative treatment methods in eyes with pseudophakic cystoid macular edema

Cystoid macular edema is a common cause for unexplained painless vision loss after cataract surgery. Even the pathogenesis of pseudophakic cystoid macular edema (PCME) still remains undefined, it can most frequently occur in eyes with high vasoactive profile, had complicated cataract surgery such as posterior capsule rupture and risk of inflammation. Increased inflammation, ultimately leading to the breakdown of the blood-retinal barrier and cystic accumulation of extracellular intraretinal fluid. The natural history of PCME is spontaneous resolution without any treatment in most of patient, but it may take weeks or months, in addition permanent visual morbidity may occur in some cases. Therefore there is lack of consensus regarding treatment approach for this common ocular condition.

In this review treatment alternatives of PCME and its relation with underlying patho-physiologic mechanism are evaluated.