

Incidence of Retinal Detachment and YAG Needed Posterior Capsule Opacification After Cataract Surgery Performed by Phacoemulsification in Highly Myopic Eyes

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Seyed Javad Hashemian MD, Mohamad Ebrahim Jafari MD

Purpose: To evaluate the incidence of retinal detachment (RD) and YAG needed posterior capsule opacification(PCO) after cataract surgery performed by phacoemulsification in highly myopic eyes.

Setting: Department of ophthalmology of Fajr Hospital & Negah Eye Hospital, Tehran, IRAN.

Method: We assessed the development of RD and YAG needed PCO in 236 eyes (*mean age* 58.9 ± 12.7 years) affected by very high myopia (between -6.0 and -25.0 diopters) undergoing cataract surgery after uncomplicated phacoemulsification and Hydrophobic Acrylic IOLs(MA 60 AT&SA 60AT).Follow-up was 36 months.

Results: Retinal detachment was observed in 1.2%, (2% in male, 0.6% in female) and YAG needed PCO in 3% of eyes .

Conclusion: In very highly myopic eyes, despite the use of a safe technique such as phacoemulsification and Hydrophobic Acrylic IOLs, The incidence of YAG needed PCO is higher, and cataract surgery increases the risk of RD development .