

**Combined Pars Plana Vitrectomy, Phacoemulsification and Intraocular Lens Implantation with Foreign Body Extraction**

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**Purpose:**

To evaluate the results of combined pars plana vitrectomy (PPV), phacoemulsification with IOL in eyes with intraocular foreign body (IOFB).

**Methods:**

Ten eyes of 10 patients were included in this retrospective study. All the foreign bodies were metallic. PPV with phacoemulsification and foldable IOL with PMMA haptics implantation were performed to all patients. First phacoemulsification with clear corneal incision was performed. After IOL implantation IOFB extraction with PPV was done.

**Results:**

Mean follow-up period was 6.3 months (2-12 months). Entry site of IOFB was scleral in 2, corneal in 6 and cornealscleral in 2 eyes. During phacoemulsification, irregular capsulorhexis was noted in 3 eyes. During PPV, iris prolapsus or IOL dislocation or pupillary miosis were not detected. In the postoperative period, as early complications fibrinous reaction in 3, increase in intraocular pressure in 1 and hyphema in 1 eye were detected. As late complications, posterior capsular opacification in 2, IOL decentralisation in 1 and glaucoma in 1 eye were noted.

**Conclusion:**

Simultaneous phacoemulsification, IOL implantation, PPV and IOFB extraction is a safe and effective method in selected cases.