

Abstract 15

TAMPONADE-FREE MACULAR HOLE SURGERY USING ILM FLAP WITH DISPERSIVE VISCOELASTIC

Mittal S.*

Thind Eye Hospital ~ Jalandhar ~ India

Introduction:

Macular hole surgery has evolved over time. Success rate has considerably improved by using ILM flaps. However, the tamponade either by gas or silicon oil may result in complications like cataract in the postoperative period. We present a series of cases with vitrectomy accompanied by ILM flap which was stabilised using dispersive viscoelastic.

Materials and methods:

Methods: 6 eyes of 6 patients underwent surgery for full thickness macular hole. After vitrectomy and PVD induction, ILM flaps were created and dispersive viscoelastic (VISCOAT) was used to stabilise the flaps over hole. The sclerotomies were closed and no tamponade was given. Post operatively patient was advised to lie supine for 3 hours. Following which, no positioning was given.

Results:

Results: In 5 out of 6 eyes, successful closure of macular hole was seen with primary surgery. In one eye, the hole remained persistent and a second surgery with gas tamponade was required. The hole closed after second surgery.

Conclusions:

Conclusions: Macular hole surgery without tamponade using Viscoat for stabilising the ILM flaps gives equivalent results as compared to conventional surgical technique. This technique avoids postoperative positioning and may reduce cataract formation in these eyes.

Sources:

nil