

## Intravitreal Triamcinolone Acetonide in Silicone Filled Eye to Prevent Presilicone Fibrosis and Inferior Proliferative Vitreoretinopathy

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### PURPOSE

To assess the effect of intravitreal Triamcinolone Acetonide in silicone filled eye to prevent presilicone fibrosis (PSF) and proliferative vitreoretinopathy.

### METHODS

4 eyes of 4 patients with early PSF and PVR changes in inferior retina 10-14 days after pars plana vitrectomy and silicone oil injection were taken. 0.1 ml, 4mg Triamcinolone Acetonide was injected through pars plana. The patients were advised to have semisitting position. All of the patients have had pars plana vitrectomy and silicone oil injection in the other eye and final PSF and inferior PVR that resulted in reoperation in that eye.

### RESULTS

Reoperation were not needed in none of the treated eyes for PSF and inferior PVR. Extent and amount of PSF and PVR of these eyes did not increase during 3 months of follow-up. T A which was seen as a confined sinking whitish globule initially settled down over inferior retina and cleared in 7-14 days. Neither significant Intraocular pressure rise nor silicone oil emulsification were seen during 3 months follow-up.

### CONCLUSION

A injection in silicone filled eye did not result in admixture with silicone oil and may prevent PSF and inferior PVR without change in chance of silicone oil emulsification.