

TEHCNIQUE OF SILICONE OIL REMOVAL ALONG WITH SECONDARY LENS IMPLANTATION UNDER TOPICAL ANESTHESIA

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Advantages:To remove the silicone oil tamponade along with secondary intra ocular lens (IOL) implantation under topical anesthesia

Methods:Vitrectomized eyes with planned sparing peripheral capsule with silicone oil tamponade later on underwent silicone oil removal. After preoperative thorough fundus examination showed no need for further surgical procedure during oil removal, anterior chamber maintainer was inserted at the inferior limbus contralateral to the superior limbus incision for silicone oil evacuation and IOL insertion. After complete silicone oil removal and synechiolysis done, three piece IOL inserted in the sulcus. Tetracaine 0.5% instilled three times, 60, 30 and 15 minutes before surgery. Surgical technique demonstrated by video.

Effectiveness / Safety: All cases done as one day procedure without additional anesthesia and without patient complain. IOL stable in the position in four eyes. No cases presented corneal edema. The procedure was faster and simpler than trans pars plana silicone oil removal. Each case was done less than 30 minutes.

Conclusion: The procedure was easier and produces more 'complete' removal of silicone oil tamponade.