

# **Glue-assisted intrascleral fixation of posterior chamber intraocular lens.**

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## **Abstract:**

**Purpose:** To analyze the visual outcome of patients undergoing glue-assisted intrascleral fixation of posterior chamber intraocular lens (IOL) in the absence of posterior capsular support. **Materials and Methods:** This retrospective study analyzes 25 eyes which underwent IOL implantation by the glued intrascleral fixation technique. The pre and post-operative uncorrected visual acuity (UCVA), pre and post-operative best corrected visual acuity (BCVA), intraocular pressure (IOP), IOL position, anterior chamber reaction and central macular thickness were assessed and recorded. Immediate and late post-operative complications were also recorded. **Results:** A total of 25 eyes of 22 patients were reviewed and analyzed over a period of one year. All eyes had a foldable three-piece IOL implanted. About 84% of the eyes had a gain of one or more lines, 12% had no gain, and 4% had a fall of three lines of BCVA on Snellen's visual chart, which was attributed to cystoid macular edema (CME). Postoperatively, there was a significant improvement in the UCVA ( $P < 0.05$ ) and in the BCVA ( $P < 0.05$ ). Postoperative complications included decentration in one case and vitritis with chronic macular edema in another case. Optical coherence tomography (OCT) demonstrated well placed IOL with no tilt. **Conclusion:** Although the results of one year follow-up of glued intrascleral fixation are promising, long term studies are recommended.