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## Pterygium excision with conjunctival autograft using various techniques

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**Purpose:** To study the efficacy and compare the outcome of various techniques used for surgical management of pterygium with conjunctival autograft.

**Methods:** Retrospective, comparative study of 300 patients undergoing primary pterygium excision with conjunctival autograft using 3 techniques. Patients randomly divided into 3 groups of 100 patients each. Patients were evaluated on 1, 7 and 30 day for inflammation, edema and graft stability, whereas, evaluation was made at 3, 6 and 9 month for recurrence. In group A 8-0 vicryl suture, group B fibrin glue and group C no suture no glue technique was used.

**Result:** In group A, 84 out of 100 patients had inflammation, 16 had edema and graft was stable in all cases on post-op day 1. In Group B, 2 out of 100 had inflammation, 1 had edema on post-op day 1. In group C, 1 out of 100 had inflammation and none had edema on day one. Evaluation made for same on day 7 and 30. At 6 months, 14 patients in group A showed recurrence, whereas, 6 in group B and 4 in group C, similar results observed at 9 month.

**Conclusion:** Study revealed significant reduction in inflammation and edema in group B and C, as compared to group A and similar results when compared on day 7 and 30. Recurrence also was higher in group A at 6 and 9 month.

### Biography

Aman Khanna has completed his MBBS from Maharashtra University of Health Sciences in 2011 and then completed his MS Ophthalmology from D.Y. Patil Medical College, India, Pune in 2015. He has published 3 articles and oral papers and poster in All India Ophthalmology Society Conference and various state level conferences.

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