

# **A comparison between fibrin sealant and sutures for attaching conjunctival autograft after pterygium excision-our experience.**

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## **Abstract:**

**Purpose:** Use of conjunctival autograft following excision of primary pterygium has reduced the recurrence rate. This study evaluates the efficiency of fibrin glue as compared to sutures in attaching the conjunctival autograft with reference to surgical time, post operative comfort and recurrence during follow up. **Methods:** 40 patients with primary pterygium were included and divided into two groups. In the first group of 20 patients (n = 20) auto graft was secured in place with help of 10-0 polyamide monofilament suture while in second group of 20 patients (n = 20) fibrin glue was used. Both the groups were compared in terms of operative time, post op comfort, graft behaviour and recurrence. **Results:** The average surgical time taken for 48 + 7 minutes with suture group and was 32 + 5 minutes with fibrin glue group. Pain and foreign body sensation markedly less with fibrin glue group. However graft retraction at the edges was more common with fibrin glue. At the end of final follow up at 6 months, 3 cases from suture group and 1 case fibrin group had recurrence. **Conclusion:** Fibrin glue is an effective and safe method for attaching conjunctival autograft but graft displacement and retraction more common with fibrin glue.