

Sutureless and Glue-Free Conjunctival Autograft in Pterygium Surgery

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ABSTRACT

This prospective, non-comparative, interventional case study for 36 cases of primary nasal pterygium excision with conjunctival autograft taken from superior bulbar conjunctiva was conducted to describe a simple method of achieving conjunctival autograft adherence during pterygium surgery avoiding potential complications associated with the use of fibrin glue or sutures. Graft was fixed using own blood clot as tissue adhesive which oozed in the bare sclera after pterygium excision. The eye was patched and the patch removed next day morning. Out of 36 patients, 15 were female and 21 were male with a mean age of 43 years. The mean size of conjunctival autograft was 4×5 mm. Mean follow-up time was 6 months. This study suggests that autologous fibrin in blood is a useful alternative method for graft fixation in pterygium surgery.