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**Efficacy of sutureless
and glue free limbal
conjunctival autograft
for primary pterygium
surgery**

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Aim: To study the efficacy and complications of sutureless and glue free limbal conjunctival autograft for the management of primary pterygium over a period of one year.

Methods: A prospective interventional case series was carried out in 40 consecutive eyes with primary nasal pterygium requiring surgical excision from July 2010 to December 2010. Pterygium excision with limbal conjunctival autografting without using glue or sutures was carried out in all the patients followed by bandaging for 48 hours. The patients were followed up post operatively on 2nd day, 1 week, 6 weeks, 6 months and 12 months. They were examined for haemorrhage, wound gape, graft shrinkage, chemosis, graft dehiscence, recurrence or any other complication.

Results: The mean age of the patients was 42.77 years (range 23-61), 75% of which were males. Total graft dehiscence occurred in 2 eyes (5%), graft retraction in 3 eyes (7.5%) and recurrence

was seen in 1 eye (2.5%). At 6 weeks postoperatively, the gain in uncorrected visual acuity (UCVA) ranged from 0.18 to 0.5 log mar in 7 eyes. No other complication was noted.

Conclusion: Sutureless and glue free limbal conjunctival autografting following pterygium excision is a safe, effective and economical option for the management of primary pterygium.

Biography

Prof. K.P.S. Malik, professor and head of Eye department, Subharti Medical College, Meerut, Uttar Pradesh was formerly Additional Director General, Ministry of Health and Family Welfare, is also heading the Department of Ophthalmology, Vardhman Mahavir Medical College and Safdarjung hospital New Delhi. Earlier he worked as faculty at Goa Medical College, NIOS Sitapur and University College of Medical Sciences, Delhi.

SICS is his passion and he has contributed a book 'Manual of Small incision cataract Surgery', CME series no. 8 (AIOS) and various articles on this subject. He has over 40 articles in journals of repute.