

Medical biological fibrin glue joint conjunctival autograft with bandage type of recessive glasses wearing simple pterygium treatment clinical effect observation. [Chinese]

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Publication Date: 2016

Abstract:

AIM: To research the treatment of pterygium by conjunctival autograft transplantation combined with biological fibrin glue and usage of bandage type latent lens. METHODS: Thirty-seven cases of patients (52 eyes) with simple pterygium were collected. They were randomly divided into observation group with 19 cases (28 eyes) and the control group with 18 cases (24 eyes). The observation group were treated by conjunctival autograft transplantation combined with biological fibrin glue and usage of bandage type latent lens. The control group were treated by pterygium excision combined with conjunctival autograft transplantation. The curative effect of two groups of patients were observed and compared. RESULTS: The operation time (19.34 ± 2.31 min) and the incidence rate (36%, 11%) of foreign body sensation at postoperative 1d, 7d of observation group were significantly lower than those (28.15 ± 4.27 min, 79%, 46%) in the control group. The total healing rate of postoperative 3d (89%) was significantly higher than that of the control group (46%), the difference was statistically significant ($P < 0.05$). The recurrence rate was no significant difference between two groups at 6mo postoperative. ($P > 0.05$). CONCLUSION: Conjunctival autograft transplantation combined with biological fibrin glue and usage of bandage type latent lens can significantly decrease the operation time, eliminate the sense of foreign body in patients and improve the healing rate of the wound after operation. It is suitable for further promotion in the primary hospital.

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