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Penetrating Keratoplasty with Long-term Cryopreserved Corneas

Shen Hui, Zhang Li, Chen Dan-fu, et al.
(Rizhao City People's Hospital, Rizhao, China 276800)

Abstract: Objective To explore the clinical effects of penetrating keratoplasty with long-term cryopreserved corneas. Methods In the observation group, 25 eyes received penetrating keratoplasty in the observation group, 23 eyes underwent penetrating transplantation with fresh eyes in the contrast group. The follow-up surveys lasted 3-32 months. Results In the observation group, 18 cases of corneal grafts remained clear (72%), 5 semitransparent, 1 cloudy and the other one underwent enucleation of eyeballs. In the contrast group, 17 cases of corneal grafts remained clear (73.5%), 5 semitransparent, 1 cloudy. No significant difference was found between two groups. Conclusion Penetrating keratoplasty with long-term cryopreserved corneas deserves to be widely used for its great clinical value.

Key words: Keratoplasty; Penetrating; Cornea; Cryopreserved

Nutrition and anti-oxidant supplement: Dose 2 tablets three times a day, for 4 weeks. Results In the observation group, 18 cases of corneal grafts remained clear (72%), 5 semitransparent, 1 cloudy and the other one underwent enucleation of eyeballs. In the contrast group, 17 cases of corneal grafts remained clear (73.5%), 5 semitransparent, 1 cloudy. No significant difference was found between two groups. Conclusion Penetrating keratoplasty with long-term cryopreserved corneas deserves to be widely used for its great clinical value.

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Since the late 1990s, adopting penetrating keratoplasty with long-term cryopreserved角膜移植技术 has been successful in 25 cases (25只眼), and got good results. The follow-up surveys lasted 3-32 months. In the observation group, 18 cases of corneal grafts remained clear (72%), 5 semitransparent, 1 cloudy and the other one underwent enucleation of eyeballs. In the contrast group, 17 cases of corneal grafts remained clear (73.5%), 5 semitransparent, 1 cloudy. No significant difference was found between two groups. Conclusion Penetrating keratoplasty with long-term cryopreserved corneas deserves to be widely used for its great clinical value.

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