

Sutureless patch graft for sterile corneal melts.

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Abstract:

An innovative technique to seal large paracentral corneal melts is being presented. Two patients with sterile corneal melts sized 3-5 mm in diameter were treated with a full-thickness patch graft punched using a dermatological trephine and secured with the fibrin-aprotinin biological tissue adhesive, supplanting the need for sutures. The defect was adequately sealed, and successful tectonic support with postoperative best-corrected visual acuity of 6/24 was achieved in both cases, circumventing the need for an emergency full-thickness penetrating keratoplasty. © 2010 by Lippincott Williams and Wilkins.