

and clear corneal lamellar patch graft for a patient with thin cystic leaking bleb leading to hypotony and decreased vision. **Synopsis:** This was a 75-year-old one-eyed lady, diagnosed with primary angle-closure glaucoma in both eyes with absent light perception in the left eye, had undergone a combined trabeculectomy and cataract surgery in the right eye 6 years ago. She presented with diminution of vision (6/18p), intraocular pressure (IOP) of 6 mmHg, thin cystic leaking overhanging bleb, and dysesthesia. Bleb repair by bleborhexis with lamellar corneal patch graft was performed. Bleborhexis is a technique in which the overhanging fibrosed thin cystic conjunctival bleb is peeled off the cornea smoothly to leave a uniform clear corneal surface. Clear cornea, uniform diffuse bleb, well-formed anterior chamber with and IOP of 15 mmHg was noted on the first post-operative day, with a vision of 6/12p. This procedure helped meticulous reconstruction of the bleb, early recovery of vision, maintenance of normotensive eye, and save the eye from potential infections. **Highlights:** Bleborhexis with lamellar corneal patch graft provides for an easy and an elegant surgical technique with minimal corneal tissue damage, faster healing and patient comfort. It could be the favored technique in patients with thin overhanging blebs.

**Video link:** <https://youtu.be/GeFYHWToueU>

**Key words:** Bleb revision, bleborhexis, lamellar, overhanging cystic bleb

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## Bleb revision with bleborhexis and clear corneal lamellar patch graft for overhanging cystic bleb

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### Abstract

**Background:** Trabeculectomy is associated with several complications. One of the common complications with mitomycin assisted trabeculectomy is thin cystic bleb leading to bleb leak, hypotony and infections. Various techniques of bleb repair and reconstruction have been described, such as conjunctival advancement, or scleral, pericardial or corneal patch graft. **Purpose:** To demonstrate bleb revision by bleborhexis