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## Corneal collagen crosslinking for treatment of corneal ectasia after refractive surgery

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**Purpose:** To evaluate the safety and efficacy of corneal collagen crosslinking (CXL) for the treatment of corneal ectasia after laser refractive surgery.

**Design:** Retrospective review of post-LASIK ectasia patients referred to and treated at Chinese PLA General Hospital.

**Method:** 12 patients (16 eyes; mean age, 39.7±12.6 years) underwent epithelium-off CXL with follow-up ranging from 12-32 months. Best spectacle-corrected visual acuity (BSCVA), simulated keratometry and corneal topography indices were measured with a rotating Scheimpflug camera (Pentacam, Oculus). Comparisons between baseline measurements and postoperative outcomes were performed using paired t test analysis.

**Results:** At last follow-up, 15 of 16 eyes showed no keratometric deterioration. Central corneal thickness was not significantly altered. No major postoperative complications were observed.

**Conclusions:** Corneal collagen crosslinking was effective at stabilizing the progression of ectasia after refractive surgery.

### Biography

Dr. Liqiang Wang is the vice director of the Department of Ophthalmology at the Chinese People's Liberation Army (PLA) General Hospital. As a specialist in cornea and refractive surgery, she possesses expertise in laser vision correction surgery, femtosecond assisted keratoplasty surgery, complex cataract surgery, and artificial cornea surgery. In addition to being one of the highest volume corneal and refractive surgeons at Chinese PLA Hospital, she teaches residents and fellows about corneal, cataract, and refractive surgery as well as the clinical management and diagnosis of corneal and refractive conditions. She also is an experienced Boston KPro surgeon.

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