A 14-year-old girl with bilateral keratoconus was evaluated in our outpatient clinic. Pentacam imaging revealed the thinnest pachymetryto be 380 mm. In view of the patient’s age and thin pachymetry, a decision was made to proceed with collagen crosslinking (CXL) in theright eye. Accelerated CXL using customized epithelial debridement technique was performed, leaving an island of epithelium over thethinnest area of the cone. At 1 week, the epithelial island could be clearly differentiated from the new epithelium with a demarcation line inbetween (Fig A). Although there was no epithelial defect, the epithelial island had punctate staining with fluorescein (Fig B).