

## عنوان مقاله:

Refractive and Visual Outcomes after New Model of Intracorneal stromal ring Implantation for Keratoconus Correction

## محل انتشار:

بیست و هشتمین کنگره سالیانه انجمن چشم پزشکی ایران (سال: 1397)

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## خلاصه مقاله:

**Purpose:** To evaluate the refractive and visual outcomes after new intracorneal ring (Keratacx 355°) implantation in patients with keratoconus. **Methods:** This study included 14 eyes with keratoconus who underwent intracorneal ring implantation surgery. The preoperative and 3-month postoperative of uncorrected (UDVA) and corrected (CDVA) distance visual acuity, corneal sphere and astigmatism and keratometry readings (using Oculus Pentacam HR) were measured. **Results:** Preoperative and postoperative UDVA, sphere, astigmatism, minimum (Kmin) and maximum keratometry (Kmax) were  $0.98 \pm 0.27$  and  $0.54 \pm 0.26$  LogMAR,  $-2.81 \pm 3.03$  and  $-0.08 \pm 2.18$  D,  $-4.35 \pm 3.08$  and  $-3.23 \pm 1.77$  D,  $46.86 \pm 3.74$  and  $43.17 \pm 3.51$  D,  $51.41 \pm 3.72$  and  $46.31 \pm 3.85$  D, respectively. There were statistically differences between preoperative and postoperative of these parameters (UDVA ( $P=0.001$ ), sphere ( $P=0.043$ ), astigmatism ( $P=0.023$ ), Kmin ( $P=0.002$ ) and Kmax ( $p=0.001$ )). CDVA had no any statistically difference. **Conclusion:** It seems that this intracorneal stromal ring can be effective for keratoconus correction. Further studies with larger sample size are needed to confirm these results.

## کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/809682>

