

## عنوان مقاله:

Clinical outcomes after bilateral implantation of a new extended depth of focus intraocular lens

## محل انتشار:

هشتمین همایش تحقیقات چشم پزشکی و علوم بینایی ایران (سال: 1397)

تعداد صفحات اصل مقاله: 1

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## خلاصه مقاله:

**Purpose:** To assess the visual outcomes obtained with a new extended depth of focus intraocular lens (EDFIOL), the Tecnis Symphony. **Methods:** This study enrolled 70 eyes of 35 patients who had bilateral implantation of the EDFIOL, after lensectomy. Monocular and binocular UDVA and CDVA, monocular and binocular UNVA and DCNVA at 40 cm and binocular uncorrected and distance corrected intermediate visual acuity (DCIVA) at 60 cm were evaluated over 6 months. **Results:** The mean refractive and visual acuity results were stable during the follow-up period ( $P > 0.05$ ). 6 months postoperatively, monocular UDVA and UNVA significantly improved in comparison to preoperative monocular DCVA and DCNVA, respectively. The binocular UDVA, intermediate (UIVA), and near (UNVA) visual acuities were 20/30 or better in 100%, 94.2% and 94.2% of patients respectively, 6 months postoperatively. The DCVA, intermediate (DCIVA), and near (DCNVA) visual acuities were 20/30 or better in 100%, 82.9%, and 82.9% of patients respectively. The mean postoperative sphere was  $-0.78 \pm 0.41$ . More than 89.4% of patients reported no or mild halos, glare, or other photic phenomena. **Conclusion:** Bilateral implantation of the extended depth of focus IOL provided good refractive and visual outcomes across all distances and being stable during the follow-up period

## کلمات کلیدی:

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