

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo
PIBIC Last Name - Forseto First Name - Adriana Middle - S.

Service (sector) Refractive Surgery N° CEP

A Comparative Study of Intacs® Corneal Ring Segments and Lasik for the Correction of Low Myopia (Forseto A.S., MD; Nosé W., MD; Belfort Jr R., MD) Purpose: To compare the efficacy, safety and predictability of Intacs® and LASIK for the correction of low myopia. Methods: A prospective, nonrandomized and bilateral study. Fourteen patients with preoperative spherical equivalent (SE) ranging from -1.00 to -4.50D received Intacs® in one eye and LASIK on the other eye. Results: A 1-year follow-up was completed. The SE refraction was reduced from $-2.82 \pm 0.84D$ and $-2.66 \pm 1.00D$ preoperatively to $-0.55 \pm 0.29D$ and $-0.34 \pm 0.29D$ for the Intacs® and LASIK groups respectively. At this time SE data showed 64.29% of Intacs® eyes and 78.57% from LASIK eyes to be within $\pm 0.50D$ of emmetropia. Uncorrected visual acuity (UCVA) ³ 20/20 was observed in 28.57% of Intacs® eyes and 64.29% of LASIK eyes. There was no loss of best spectacle corrected visual acuity nor other significant complications in both groups. Conclusion: Both procedures safely decreased myopia but a better UCVA was achieved with LASIK.