(X) R1 ( ) R2 ( ) R3 ( ) PG0 ( ) PG1 ( ) Estagiário ( ) Tecnólogo ( )
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Service (sector) CataractNº CEP

**Visual Acuity, Contrast Sensitivity, Reading Speed and Wavefront Analysis in Unilateral Multifocal IOL**

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Purpose: To describe three cases of unilateral Restor® IOL implantation, comparing the visual performance of the pseudophakic with the phakic eye. Methods: Three patients presenting unilateral cataract underwent uneventful clear corneal phacoemulsification with Restor® IOL implantation. Patients were examined preoperatively and at 1, 7 and 30 days postoperatively. Visual acuity, manifest refraction, reading speed, contrast sensitivity and wavefront analysis were performed in both eyes and compared. Results: In the pseudophakic eyes, near uncorrected visual acuity was 20/32 in two patients and 20/20 in the other patient. Distance best corrected visual acuity was 20/20, 20/25 and 20/32. Reading speed was similar between the phakic and pseudophakic eyes, but not the critical print size. Contrast sensitivity was lower in the pseudophakic eyes. In wavefront analysis there was no considerable difference in total high order aberrations, coma and spherical aberration between the two eyes for both patients. Conclusions: Unilateral Restor® IOL implant provided a satisfactory visual acuity and could be considered in patients with unilateral cataract.