

☐ R1 ☐ R2 ☐ R3 ☐ PG0 ☐ PG1 ☐ Estagiário ☒ Tecnólogo ☐
PIBIC Last Name - Oliveira First Name - Filipe Middle -

Service (sector) Cataract - Clinical Trials SectorNº CEP

CONTRAST SENSITIVITY AND STEREOPSIS IN PSEUDOPHAKICS PATIENTS WITH MULTIFOCAL INTRAOCULAR LENS

Filipe de Oliveira, Cristina Muccioli, Luci Meire P. Silva, Eduardo Sone Soriano, Carlos Eduardo B. Souza, Rubens Belfort Jr.

Purpose: The purpose of this study is to evaluate the contrast sensitivity and stereopsis tests in patients who underwent bilateral implantation of multifocal intraocular lens. **Methods:** Tests of contrast sensitivity using the Pelli-Robson chart and stereopsis evaluation with the Titmus Stereo Test were performed in 20 patients 30-60 days after the bilateral implantation of Acrysof Restorâ multifocal lens intraocular. **Results:** The binocular contrast sensitivity test demonstrated that 6 patients (30%) presented 1.80 unid. log, 13 patients (65%) 1.65 unid. log and in only 1 patient (5%) the sensitivity was 1.50 unid. log. By the other hand, the monocular test in the right eye showed 17 eyes (85%) with 1.65 unid. log and 3 eyes (15%) with 1.50 unid. log. In the left eye, the test presented 16 eyes (80%) with 1.65 unid. log and 4 eyes (20%) with 1.50 unid. log. The average and the standard deviation of the contrast sensitivity were 1.63 unid. log (± 0.05) for right eye, 1.62 unid. log (± 0.06) for left eye, and 1.69 unid. log (± 0.08) for both eyes together. Stereopsis test disclosed 12 patients (60%) presenting 40", 6 patients (30%) 50" and only 2 patients (10%) 60" (average: 45" and standard deviation: ± 6.88 "). **Conclusion:** The Acrysof Restorâ intraocular lens provided results of contrast sensitivity and stereopsis in accordance with the criteria of normality established previously in other studies for phakic and pseudophakic patients. Therefore, this intraocular lens does not decrease the visual functionality.