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E-PÔSTER

Título: Effect of astigmatism induction after implantation of extended depth of focus intraocular lens.

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The defocus curve was performed, consisting of visual acuity acquisition with the addition of lenses from -5,00 to +2,50 spherical diopters at 0,5 diopter intervals on the subjective refraction of the patient. For each spherical diopter, cylindrical lenses (+1,00 to +3,00 diopters, in 1,00 diopter interval) was added in the 0, 45, 90 and 135 degrees to simulated ATR, WTR and oblique myopic astigmatism. The results of the curves were compared for each astigmatism at each point of the defocus curve. Results: Despite having improved vision at reading distances of 30cm or less and having maintained intermediate levels of vision acceptable, the induction of astigmatism worsened the far vision when compared to vision without induced astigmatism. Conclusion: The lower the residual astigmatism, the better the far vision; which is the goal of the vast majority of patients undergoing cataract surgery.