

# EYE AND VISION

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## Trifocal lenses for patients with glaucoma. A controversial decision

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There is great controversy about the use of advanced technology lenses such as toric lenses and trifocal lenses in patients with glaucoma, since the interface of this type of lens causes a loss of energy in the transition zone that could mean a decrease of Visual gain and decreased sensitivity to contrast in patients where the decrease in contrast may be had been altered by the disease. However, these patients are entitled to consider the implantation of a better technology intraocular lens, such as trifocal lenses, in order to obtain the benefit of the independence of the frame lenses using an intraocular lens that allows them to improve the visual quality at Different distances. The purpose of our study was to evaluate visual outcomes in patients with glaucoma suspected and mild glaucoma

candidates for cataract surgery and trifocal intraocular lens implantation. A longitudinal, prospective, experimental and analytical study was performed. In the methodology: Patients with cataract and diagnosis of mild or glaucoma suspected who had visual field, optic nerve tomography and contrast sensitivity study were included and underwent cataract surgery by phacoemulsification with intraocular lens implantation (Trifocal AT LISA tri 839 MP). It was concluded that Visual results obtained at different distances with the trifocal design indicate that this emergent technique is an alternative for candidates with mild glaucoma or glaucoma suspected without the procedure altering its follow-up or modifying the sensitivity to contrast.

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