

Visual outcomes and patient satisfaction after implantation of a presbyopia-correcting intraocular lens that combines EDOF and Multifocal profiles

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Objectives

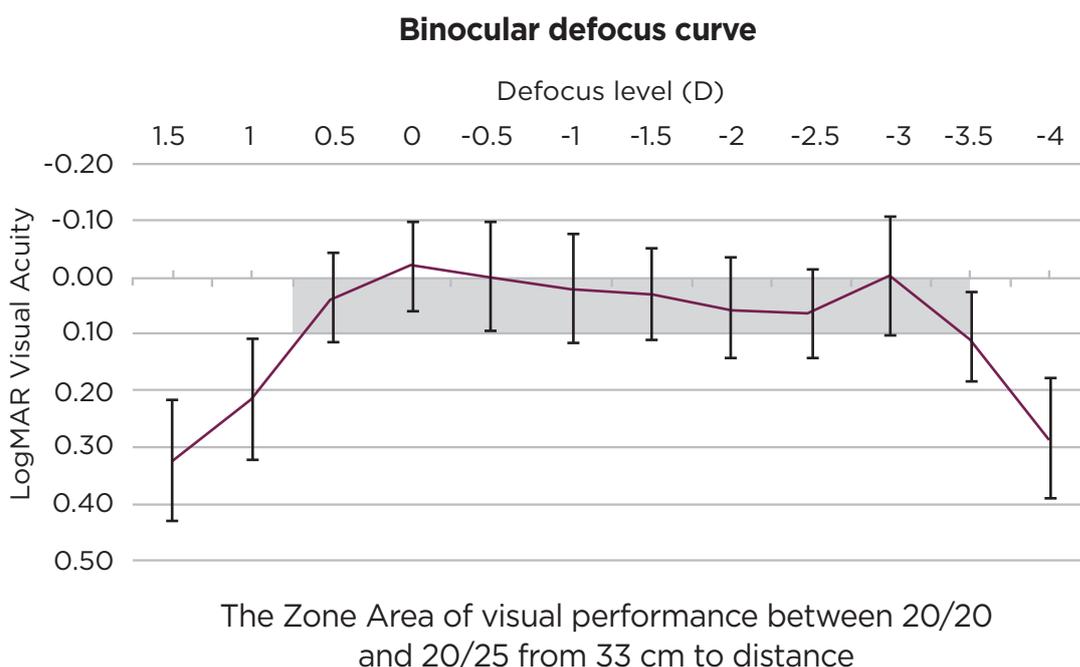
To evaluate clinical outcomes delivered by a hybrid presbyopia-correcting intraocular lens: **TECNIS Synergy™** ZFR00V IOL model (Johnson & Johnson Vision).

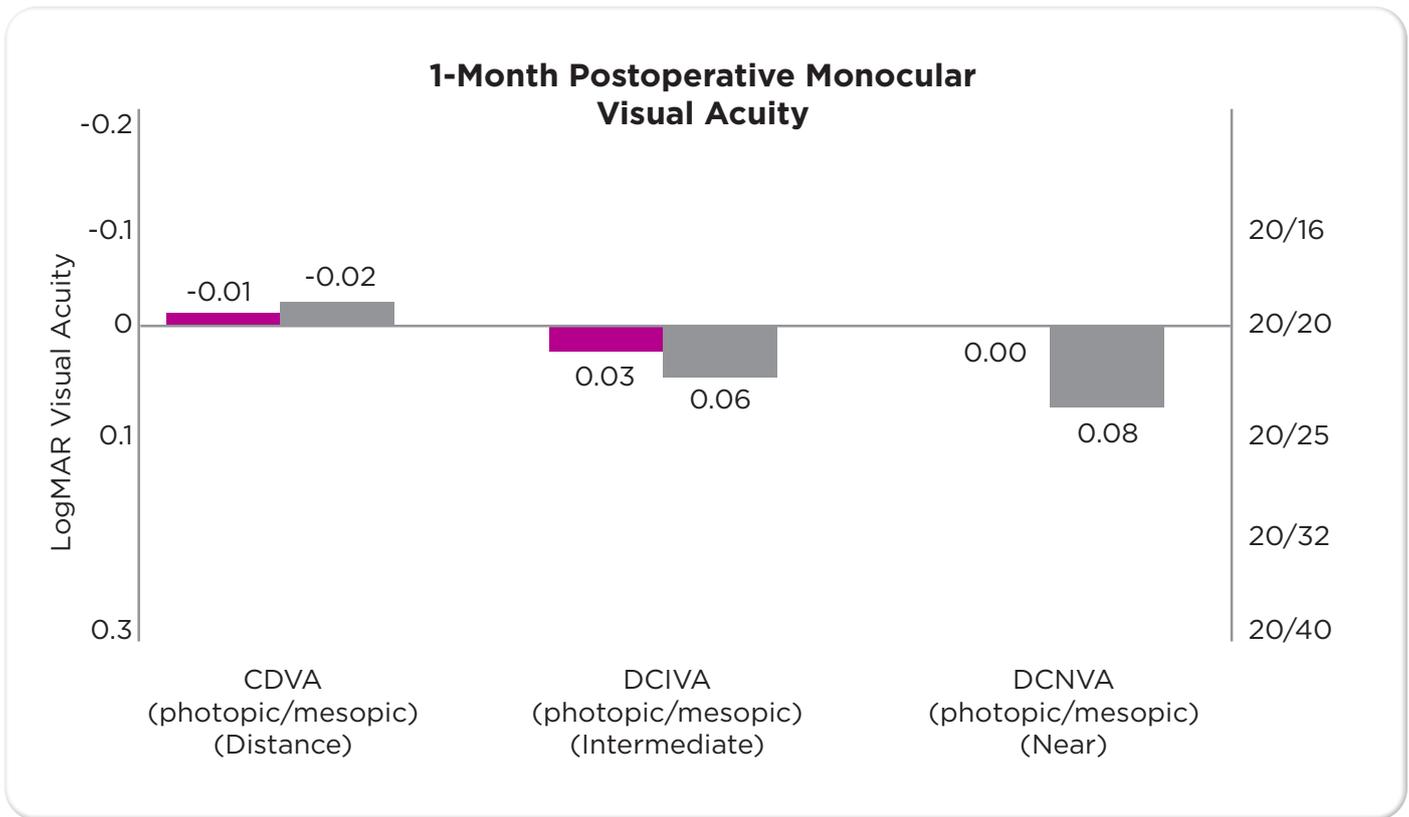
Study Design

This prospective observational study enrolled 54 eyes of 27 patients undergoing bilateral implantation of the **TECNIS Synergy™** ZFR00V IOL. Visual acuity (VA) was measured for far distance, intermediate (66 cm) and near (40 cm) vision under both photopic and mesopic conditions. In addition, at the 3-month follow-up visit, the defocus curve was obtained for binocular vision and questionnaires.

Eye Examinations

Postoperative follow-up visits were scheduled at 24 hours, one month and three months after surgery. Each follow-up visit included the evaluation of visual acuity (VA) at different distances and light conditions. Moreover, at the 3-month visit, VA as a function of defocus (i.e., the defocus curve) was also evaluated and questionnaires to assess patient satisfaction level and photic phenomena were administered.





CONCLUSIONS:

- The **TECNIS Synergy™** ZFR00V intraocular lens model used for cataract surgery is capable of restoring visual function while providing very good intermediate and near vision, under both photopic and mesopic conditions, resulting in a high level of patient satisfaction.
- The presbyopia-correcting multifocal IOL, **TECNIS Synergy™** ZFR00V, combines some of the best features of the multifocal and extended-depth-of-focus lenses.
- The subjective patient-reported outcomes show a high satisfaction level.

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