

Depth of Focus, Visual Outcomes, and Spectacle Independence of a New Diffractive Presbyopia-Correcting Intraocular Lens

To evaluate the visual performance, spectacle independence and visual symptoms of Synergy compared to PanOptix Robert Ang, MD; Alberto Villarrubia, MD; Carlos Palomino, MD, PhD, FEBO; Alfredo Castillo, MD, PhD; D. Priya Janakiraman, OD; Eugenia Thomas, OD; Cameron Sefton, OD, MS; Linda Tsai, MPH.

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Objectives

To evaluate the visual performance, spectacle independence and visual symptoms of **TECNIS Synergy**® IOL compared to PanOptix

Study Design

TECNIS Synergy® IOL versus AcrySof® IQ PanOptix® Trifocal IOL.

12-month, prospective, multicenter, randomized (2:1), bilateral implant clinical study, 12 sites (Singapore, EU, Philippines, New Zealand).

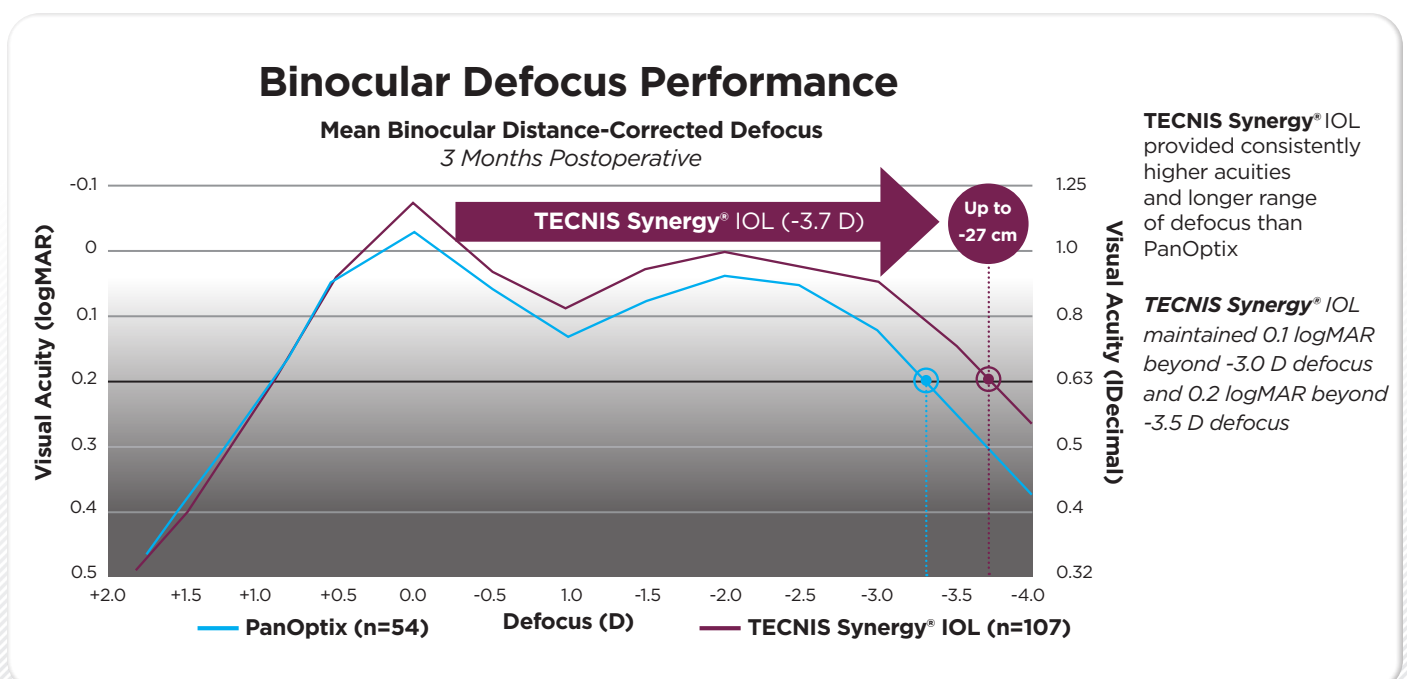
Bilateral cataract or clear crystalline lens (where clear lens extraction is an approved indication) in patients with presbyopia and otherwise healthy eyes.

3-Month Post-Operative Data Available

108 bilateral **TECNIS Synergy**® IOL subjects, 54 bilateral PanOptix subjects

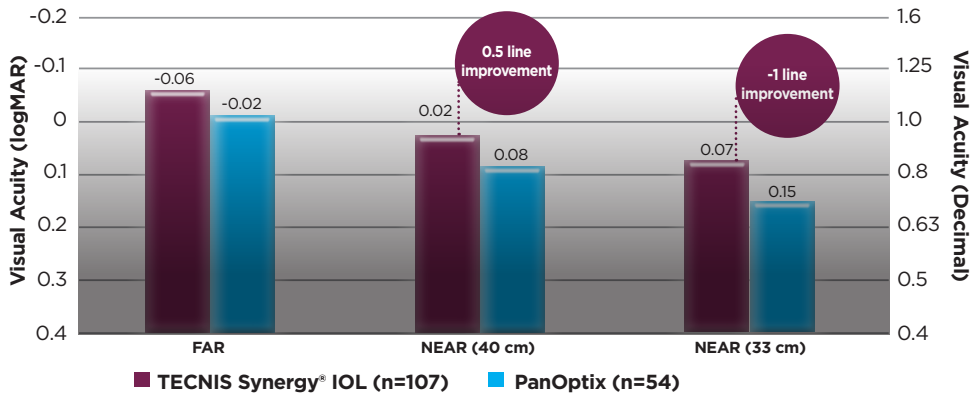
Key Study Endpoints

- Binocular distance-corrected depth of focus
- Spectacle independence and satisfaction questionnaire (PRSIQ)
- Binocular distance-corrected VA at far and near
- Non-directed visual symptoms
- Binocular distance-corrected VA distributions



Binocular Visual Acuity

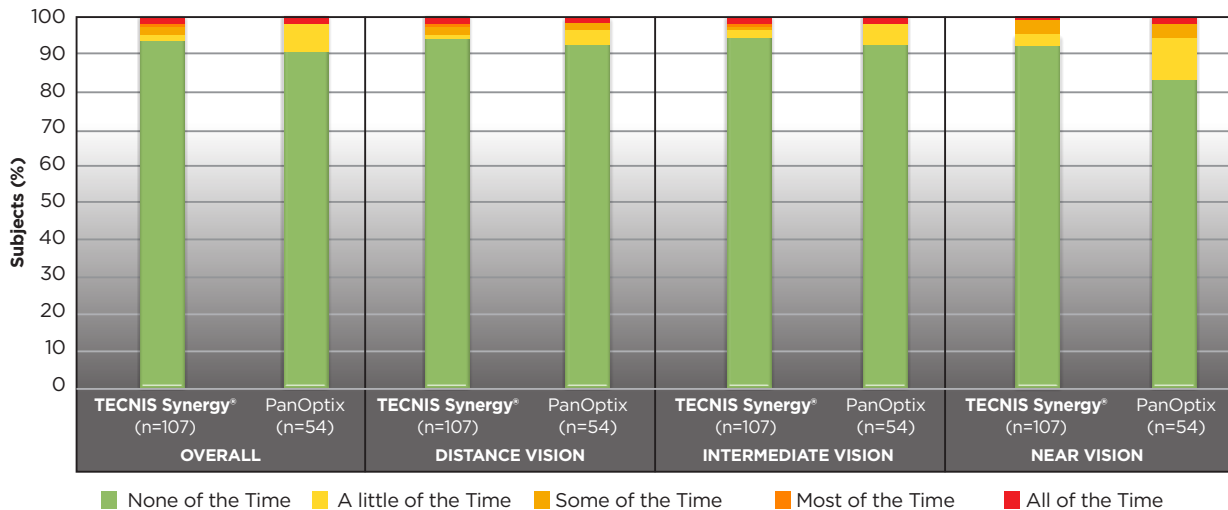
Mean Binocular Photopic Distance-Corrected Visual Acuity
3 Months Postoperative Far and Near (40 and 33cm)



TECNIS Synergy* IOL demonstrated better far and near photopic VA than PanOptix

Frequency of Spectacle Wear by Distance at 3 Months Postoperative

Questionnaire Response (PRSIQ): During the last 7 days, how often did you wear glasses (including reading glasses or a magnifier) or contacts for ...



Less spectacle wear with TECNIS Synergy* IOL at near than PanOptix

CONCLUSIONS:

TECNIS Synergy* IOL demonstrates continuous range of vision through 33 cm

- Higher VA and longer binocular defocus curve than PanOptix
- 0.1 logMAR (0.8 Decimal) through -3.0 D of binocular defocus
- 0.2 logMAR (0.6 Decimal) through -3.5 D of binocular defocus

TECNIS Synergy* IOL provides better binocular VA at far and near

- Far and near binocular VA better than PanOptix
- More TECNIS Synergy* IOL subjects achieved 0.0 logMAR at far and 0.1 logMAR at near (40 and 33 cm) than PanOptix

Spectacle Independence > 90% at far, intermediate, and near with TECNIS Synergy* IOL

- Less spectacle wear at near than PanOptix, comparable at distance and intermediate
- Both IOLs show high patient satisfaction and similar dysphotopsia profile

For healthcare professionals only. Please reference the Instructions for Use for a complete list of Indications and Important Safety Information and contact our specialists in case of any questions.