


DRs. FINE
CHOFFMAN
& PACKER
OPHTHALMOLOGISTS

A photograph of a medical office building with a sign for Oregon Eye Associates and Focal Point Optical. The building is a single-story structure with a brown roof and light-colored walls. In the foreground, there is a large, dark blue sign with a circular logo at the top. The sign has two sections: the top section says "OREGON EYE ASSOCIATES" and the bottom section says "FOCAL POINT OPTICAL". The background shows green trees and a clear blue sky.

OREGON EYE ASSOCIATES

FOCAL POINT OPTICAL

Comparative Study of Visual Acuity, Spectacle Independence and Patient Satisfaction with Aspheric Diffractive Multifocal IOL and Blended Aspheric Hinged Accommodating IOL

Mark Packer, MD, FACS
Clinical Associate Professor
Oregon Health & Sciences University

Mark Packer, MD
Financial Disclosure
(*stock options)

Abbott Medical Optics, Inc.
Advanced Vision Science, Inc.
Bausch & Lomb Surgical, Inc.
Carl Zeiss Surgical, Inc.
Celgene, Inc.
GE Healthcare
Haag-Streit USA
Ista Pharmaceuticals
LensAR, Inc.*
Rayner Intraocular Lenses, Ltd.
Surgiview LLC*
Transcend Medical, Inc.*
TrueVision Systems, Inc.*
WaveTec Vision Systems*

Abbott Medical Optics, Inc.

Bausch & Lomb Surgical, Inc.

Mark Packer, MD

Relevant Financial
Disclosure

**Comparative Study of Visual Acuity,
Spectacle Independence and Patient
Satisfaction with Aspheric Diffractive
Multifocal IOL and Blended Aspheric
Hinged Accommodating IOL**

Purpose

- To evaluate the visual function, use of spectacle correction and patient satisfaction with bilateral implantation of an aspheric diffractive multifocal lens versus bilateral implantation of an accommodative intraocular lens.

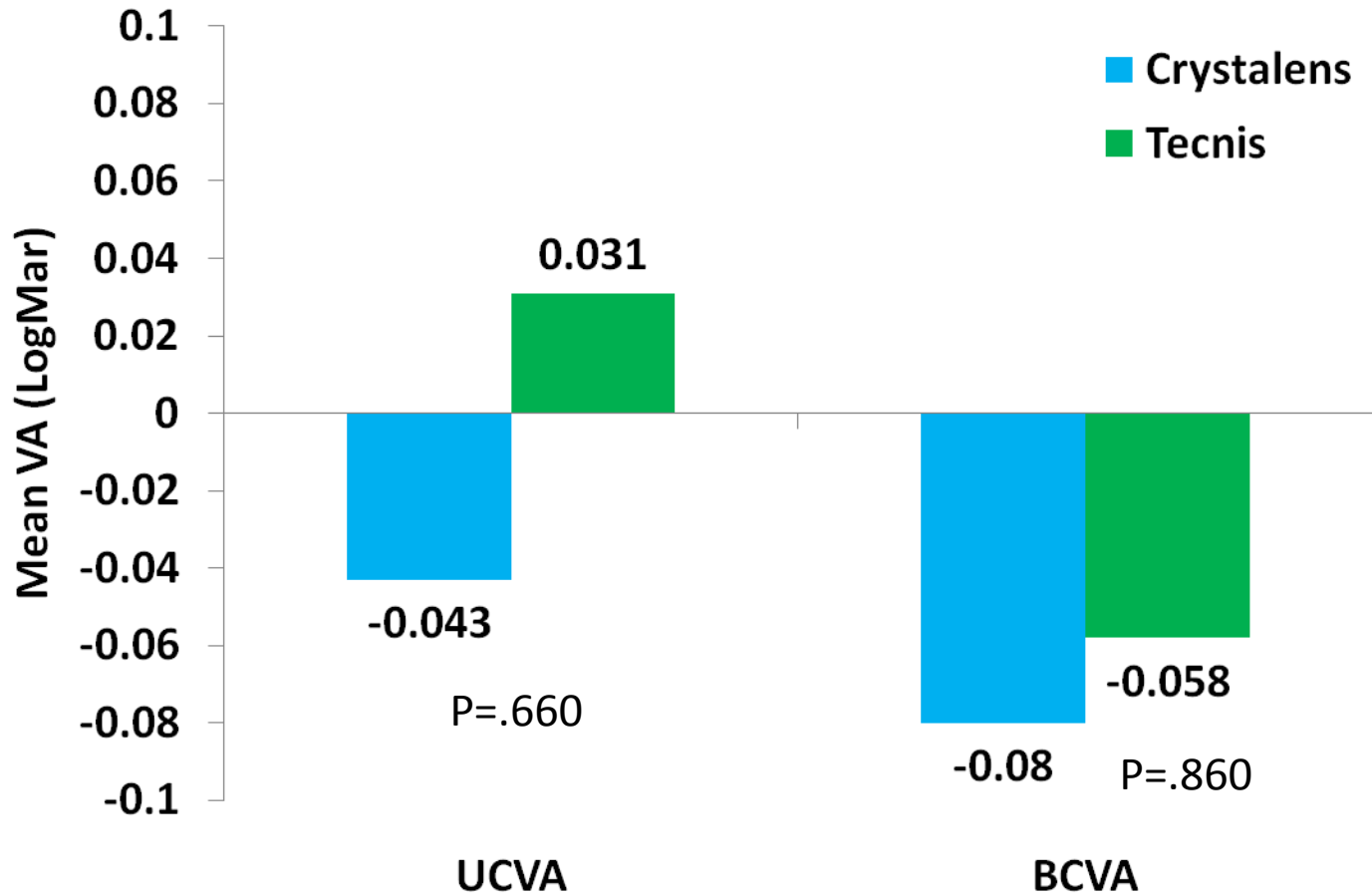
Methods

- 50 sequentially implanted subjects (25 with bilateral Tecnis Multifocal IOLs and 25 with bilateral crystalens HD IOLs) completed a questionnaire about their visual function
- Use of spectacle correction and vision-related quality of life (Modified Cataract Type Specification as Validated for Multifocal Intraocular Lens Outcomes Assessment)
- Manifest refraction
- Uncorrected and best distance-corrected photopic visual acuity testing at distance, intermediate and near
- Dark adaptation
- Uncorrected and best distance-corrected mesopic visual acuity testing at distance, intermediate and near
- Photopic and mesopic pupillometry.

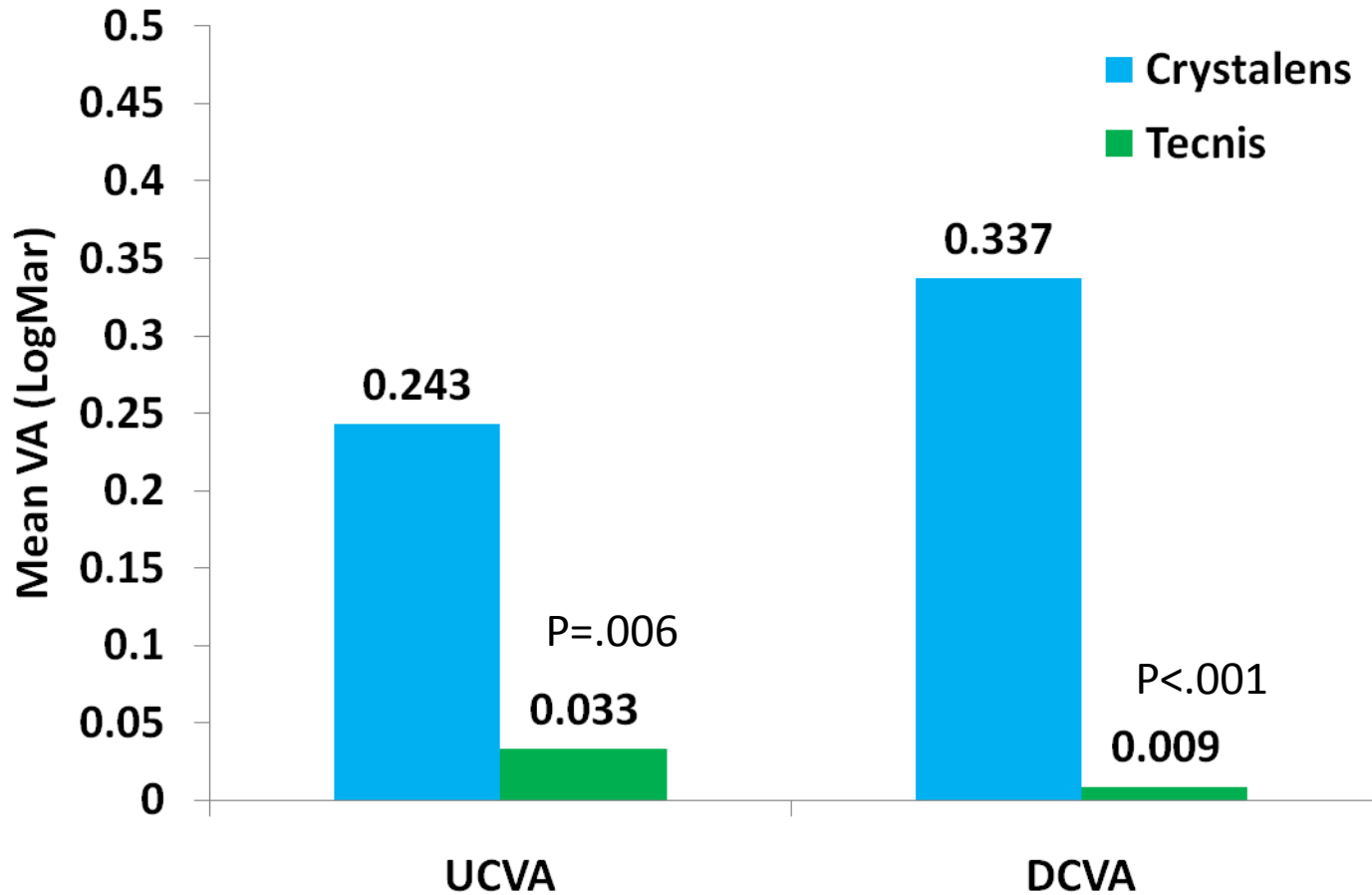
Patient Demographics

- In this interim analysis of 20 patients, mean age was 65.2 years (range: 50-81)
- 60% of patients were female
- 100% were Caucasian
- Mean post-op SE was -0.07 and mean cylinder was 0.36
- No statistically significant between-group differences in any patient demographic

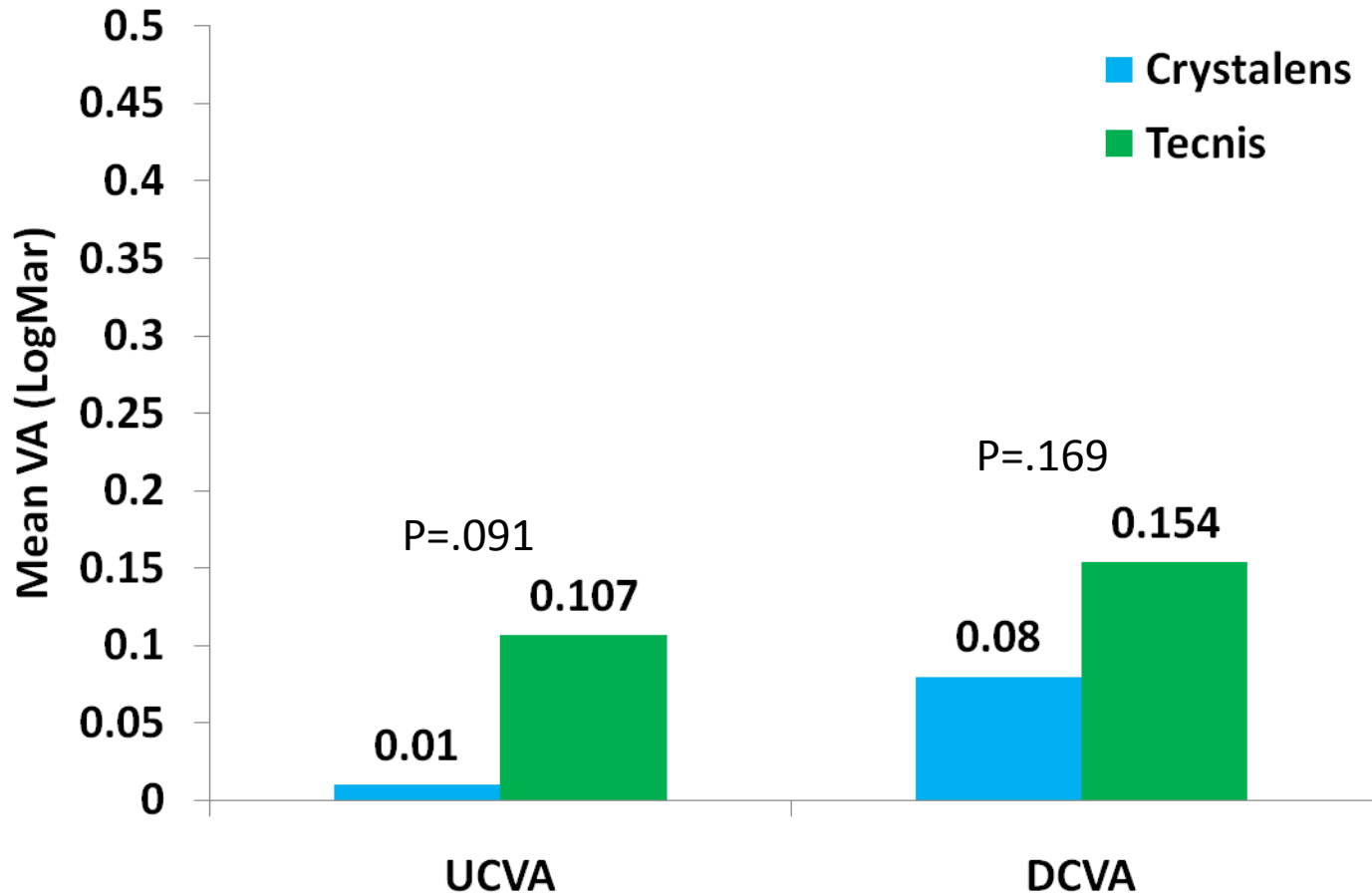
VA-Distance Photopic



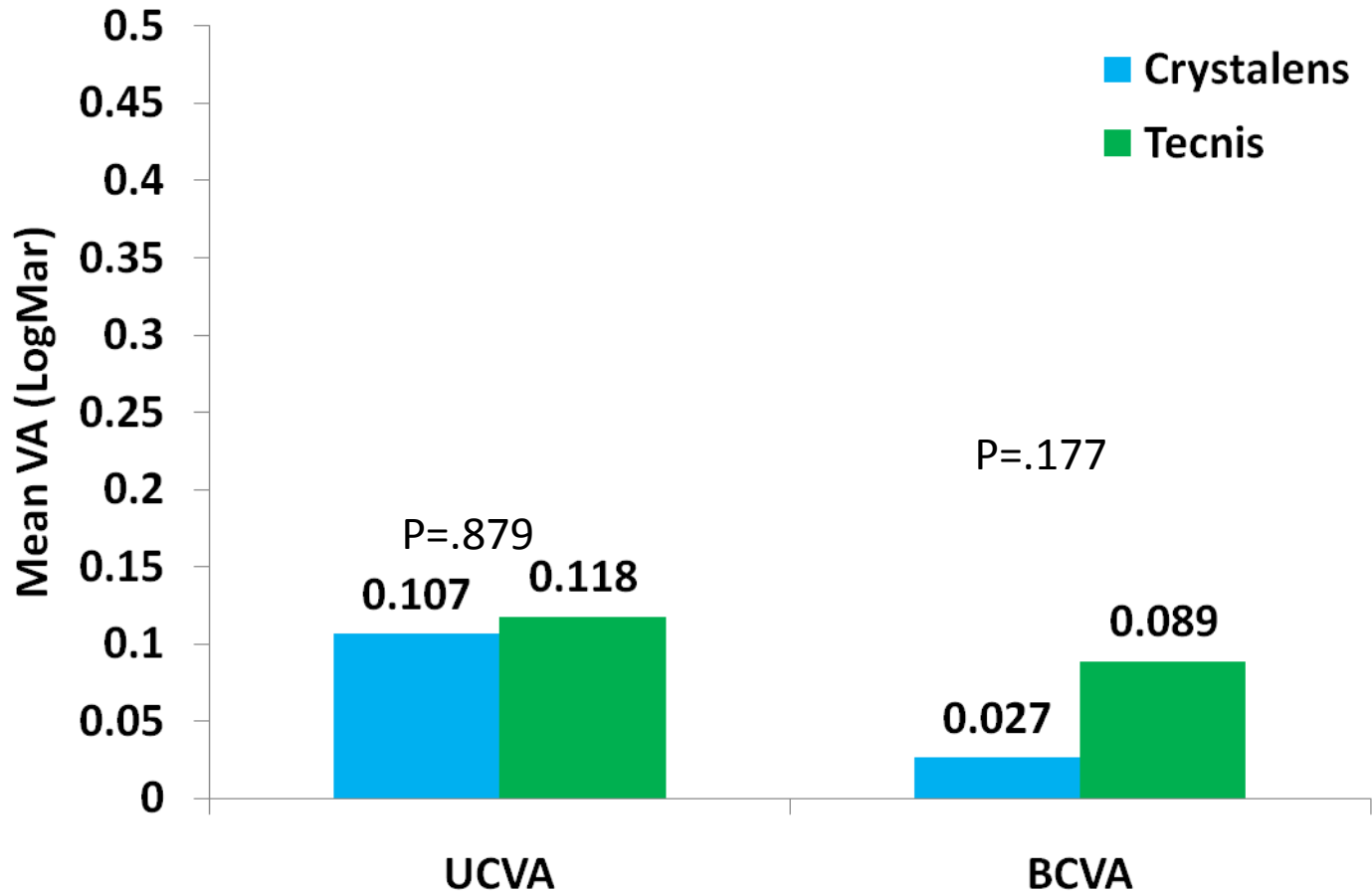
Near VA Photopic



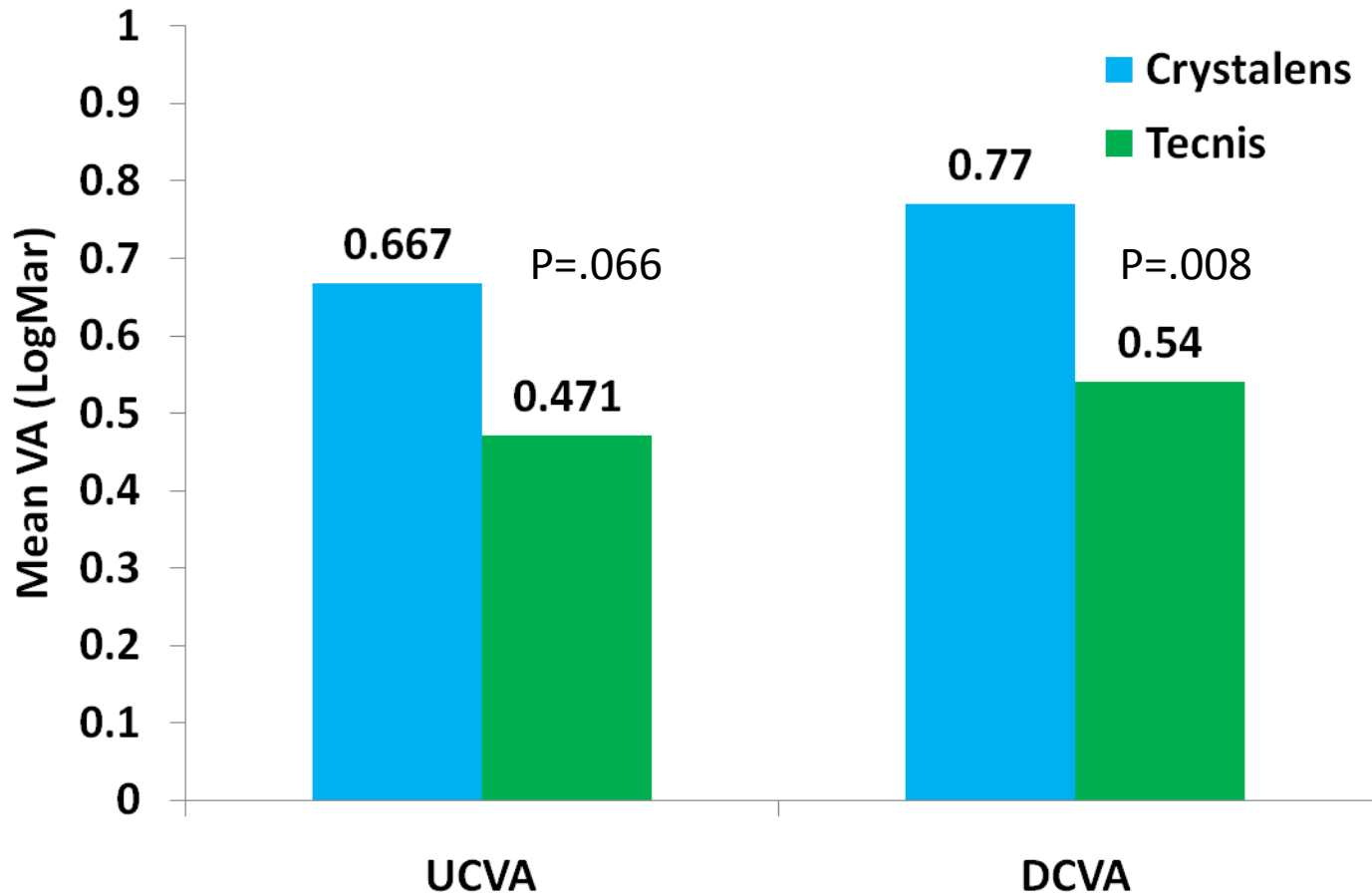
Intermediate VA Photopic



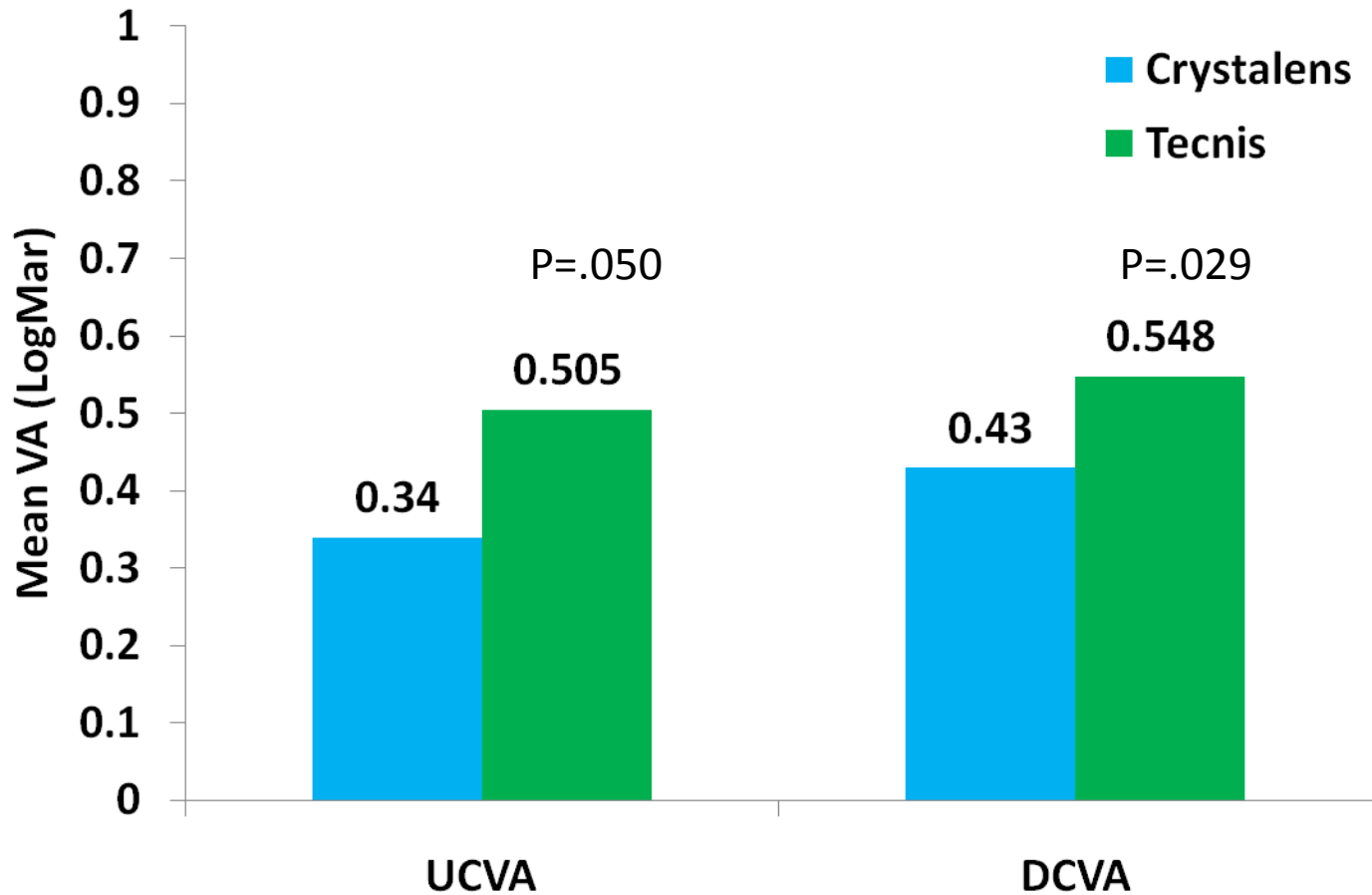
Distance VA Mesopic



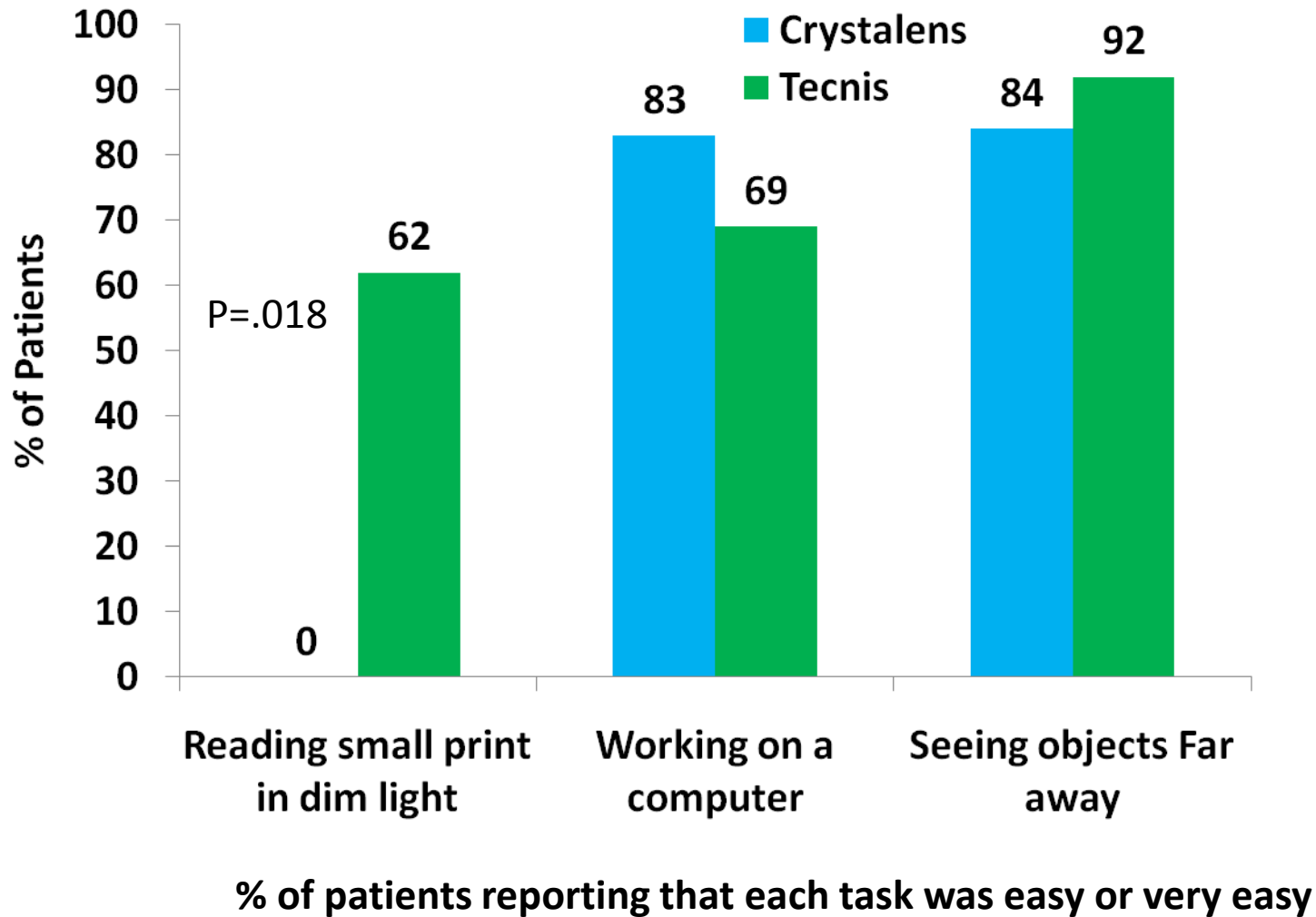
Near VA Mesopic



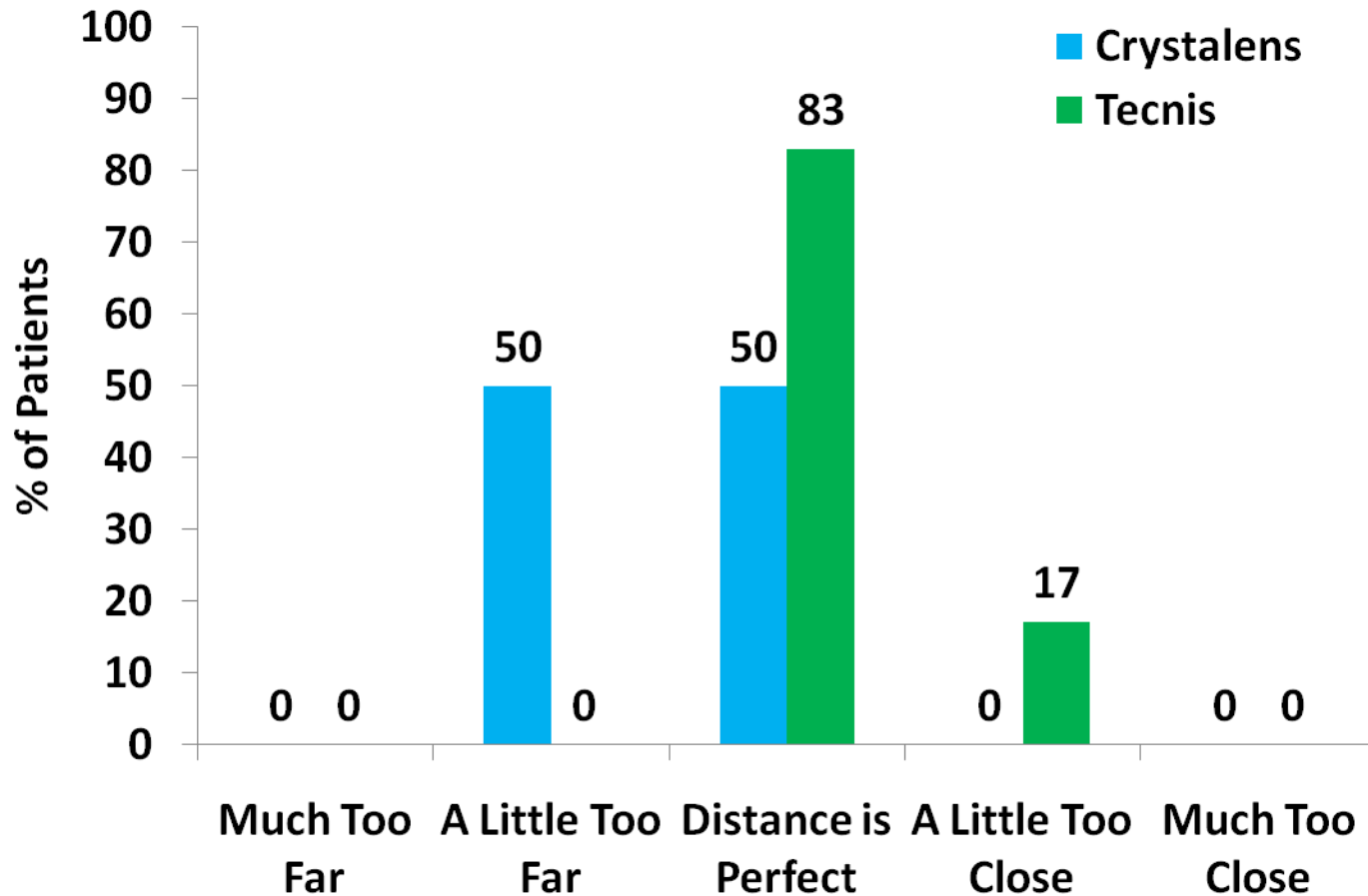
Intermediate VA Mesopic



Patient Satisfaction



Rating Distance at Which it's Comfortable to Read



Other Patient Satisfaction Outcomes

- No significant difference at this point in:
 - Satisfaction with vision
 - Use of lenses or glasses
 - Convenience
 - Rates of recommendation to friends or family
 - 100% would recommend

Conclusion

- Under both photopic and mesopic conditions, Tecnis may provide better visual acuity at near, while under mesopic conditions Crystalens may provide better visual acuity at intermediate.
- Both lenses provided a high degree of patient satisfaction.
- Complete data set to be presented at a later date.