

INTRODUCTION

- FECD is considered a contraindication for the implantation of presbyopia-correcting IOLs.
- Importance: The usage of presbyopia-correcting intraocular lenses (IOLs) may improve the quality of life of patients with Fuchs endothelial corneal dystrophy (FECD).

OBJECTIVES

To report the results of presbyopia-correcting intraocular lenses (IOLs) implantation in patients with Fuchs Endothelial Corneal Dystrophy (FECD).

METHODS

- Retrospective, case-control study
- Ein-Tal Eye Center, Tel Aviv, Israel
- March 2012 -August 2018
- FECD diagnosis- slit lamp examination, confirmed by endothelial cell count
- case-control ratio of 1:3

RESULTS

- No significant differences were found between the FECD and the control groups in visual acuity for all ranges, and patient reported visual perception.
- FECD patients reported less spectacle independence (53.0% vs. 91.4%, $P=0.002$), and more photic phenomena (35.3% vs. 4.3%, $P=0.03$).
- However, it did not interfere with daily life activities or general satisfaction in either group.

CONCLUSIONS

- Presbyopia-correcting IOLs can be carefully considered in patients with FECD, who have clear corneas
- FECD Patients should be informed about the higher percentage of dysphotopsia and lower percentage of spectacle independence

Results

