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## Visual out come and patient satisfaction following unilateral refractive lens exchange with a multifocal intraocular lens in emmetropic presbyopic patients

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**Purpose:** To assess efficacy, safety, and patients satisfaction after unilateral Presby-lasik procedure, compared to multifocal IOL (fine vision), in presbyopic emmetropic patients.

**Setting:** Enaim Refractive Medical Centers, Israel.

**Design:** Retrospective case-series.

**Methods:** 26 patients underwent unilateral Phacoemulsification with Femto-laser assisted cataract surgery (FLACS) and refractive lens exchange (RLE), followed by an implantation of a trifocal diffractive intra ocular lens (IOL) (FineVision Micro F). The surgery was performed on the non-dominant eyes of presbyopic emmetropic patients. 35 patients underwent laser Presby-Lasik procedures in the non-dominant eye, using the Supracore algorithm, Technolas. After 6 months of follow-up, the main outcome measures were uncorrected distance visual acuity (UDVA), uncorrected intermediate visual acuity (UIVA), and uncorrected near visual acuity (UNVA). Secondary outcomes included spherical equivalent (SE), refraction, defocus curves, contrast sensitivity, patient questionnaire and presence of visual side effects.

**Results:** In both groups no sight lost >1 line for corrected distance and near VA. Overall uncorrected distance and near visual acuity were better in MF IOL group. Patients satisfaction was higher in the MFIOL, 88%, compared to 63% in the Presby-Lasik group.

**Conclutions:** Presbyopic lens exchange with implantation of MFIOL in the non-dominant eye of emmetropic patients is the preferred procedure in age group >48.

### Biography

Shmuel Levinger, is a Member in Professional SOCIETIES Academy of Ophthalmology (AAO) American, International Council Representative of Israel-for the American Academy of Ophthalmology, the Eye M.D. Association (ASCRS). American European Congress of ophthalmology (AECOS), Israel Society of Ophthalmology, Israel Society of Laser Surgery. 2000-present- General Manager of Enaim Medical Center, Jerusalem, Israel.

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