Enhanced Vs. Standard Monofocal Intraocular Lens

Patients who undergo cataract surgery with monofocal intraocular lens (IOL) implantation often need to wear spectacles postoperatively to improve their near/intermediate vision.

A new IOL, the TECNIS Eyhance IOL ICB00, was designed to enhance intermediate vision while retaining the distance vision benefits of a standard monofocal IOL.

Clinical study to evaluate safety and effectiveness of TECNIS Eyhance IOL ICB00:

- 139 adults undergoing cataract extraction and posterior IOL implantation
- TECNIS Eyhance IOL (n = 67)
- Monofocal standard IOL (n = 72)

Follow-up at 6 months:
- Distance-corrected intermediate visual acuity (DCIVA)
- Uncorrected intermediate visual acuity (UIVA)
- Photopic corrected distance visual acuity

Compared to monofocal standard IOL, TECNIS Eyhance IOL showed:

Intermediate vision (DCIVA and UIVA)

Distance vision

Contrast sensitivity, photic phenomena outcomes, and rates of adverse events

By improving intermediate vision in patients undergoing cataract surgery, TECNIS Eyhance IOL ICB00 serves as a safe and effective alternative to standard monofocal IOLs.