EXTENDED DEPTH OF FOCUS (EDOF) INTRAOCULAR LENSES

Cataract extraction is now the most common and the most successful surgical procedure worldwide. Because of both the low surgical risk and the quality of visual outcome we now consider lens surgery at a much earlier stage of development and for those who seek a degree of freedom from spectacles.

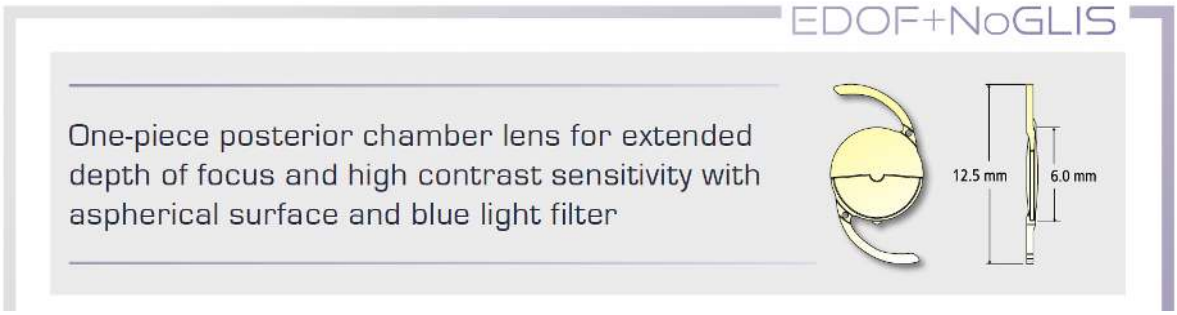
The quality of vision with any implant lens and the capacity to deliver some freedom from spectacles depend heavily on the general health of the eye and individual variations in anatomy. True multifocal implants are potentially subject to some loss of visual quality (decreased contrast sensitivity) in addition to aberrations such as haloing around points of light and ghosting. A variety of ophthalmic conditions including a lazy eye, dry eye, age-related macular change and glaucoma can all limit success and thus be seen as contraindications to multifocal implants.

EDOF lenses fill the gap between simple monofocals and complex multifocals with the prime goals of quality and a reasonable range of focusing, but accepting the need for glasses on an occasional basis. Ultimately success is defined not by the results of reading an optician's chart in a gently lit examination room but more by success in everyday situations, coping with a variety of visual tasks in varying lighting conditions. It is vital to understand a given individual's particular lifestyle, visual needs and expectations before committing to surgery and the choice of a particular lens.

An EDOF implant is ideal for patients with active lifestyles who wish to be free from spectacles when socialising, playing sport or using a computer but happy to wear their readers when sitting down with a book or newspaper.

THE ACUNEX VARIO IOL

This lens is designed for quality vision with minimal side effects, delivering a high level of spectacle independence at moderate additional cost. The plastic material used is tried and tested, avoiding the surface glistening reported with other implant lenses - so-called NoGlis technology.



Although an individual implant is unlikely to provide a full focal range, independence from spectacles can be enhanced by the use of monovision, in which one eye (usually the dominant) is set with the best possible focus for distance whilst the fellow eye is set to give an improved focus for near. In this situation the near-set eye, when viewing alone, may have poor distance vision but the two eyes together should see nicely.

Summary

- Acunex Vario surgery offers excellent visual quality, surpassing traditional multifocal lenses
- It provides an impressive level of spectacle-independence
- Reading glasses will be required for very fine near work
- Acunex Vario is free of the aberrations frequently reported with multifocal implants
- The degree of spectacle-independence is a realistic aim, not an absolute guarantee

ACUNEX® VARIO

Should you wish to know more about the Acunex Vario lens, please call Sapphire Eye Care Team on: 023 820 00200 or email: enquiries@sapphire-eyecare.co.uk

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