



SHOULD ALL CATARACT PATIENTS HAVE MULTIFOCAL IMPLANTS??

CHOOSING THE RIGHT LENS OPTION FOR YOU

ONLY at the

Mehta International Eye Institute

Asia's Most Advanced Eye Centre



Mehta International Eye Institute

Managed by

KRM Eye Institute Pvt. Ltd.

Padmashree

Awardee

Prof. Dr. Keiki R. Mehta

M.B.B.S., D.O.M.S., M.S. (Ophth), D.O. (Ireland), R.C.P. & S (Ireland),
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Consultant Ophthalmic Surgeon | Medical Director & Chief

Mehta International Eye Institute

Breach Candy Hospital & Research Centre

D. Y. Patil Medical College and Hospital



MULTIFOCAL IOL

- Until recently cataract patients received monofocal lens implants that had only a single power. This meant you had a choice of correction for either far or near vision. This meant that like people over the age 50, you still need glasses for either reading or for distance vision.
- The multifocal IOL lens can increase your chances for a life free of dependence on glasses or contacts after cataract surgery for near, far, and intermediate vision.
- Especially for driving, it makes a world of difference as you can see near, the dashboard of your car and distance simultaneously
- All multifocal lenses are a "marriage of convenience", a very successful marriage of near and distance with a compromise of seeing rings around the bright light sources at night and a slight blur around the sharp edges of objects.



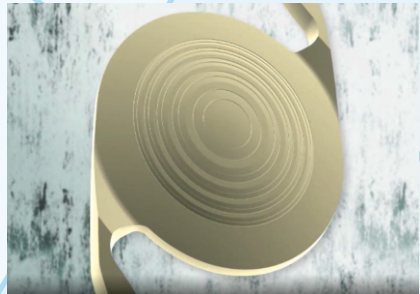
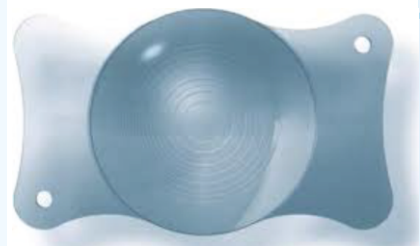
TRIFOCALS REDEFINE THE QUALITY OF VISION

- Today patients wish to enjoy life in all its dimensions and expect surgery to provide them with vision quality that they enjoyed before presbyopia. They want to lead an active life without being troubled by eyeglasses.
- Since computer usage is now mandatory for a functional life style, superior intermediate vision is mandatory. For a desk job worker using a mainframe computer is often very important which becomes difficult with the older bifocal.
- Especially for a chartered accountant, a stock broker, a librarian, an architect or even a pilot, the difference the trifocal makes is very significant.
- Interestingly, Trifocal lenses have less haloes, better quality especially at night which increases patient satisfaction



THREE TOP QUALITY INTRAOCULAR IMPLANTS USED INTERNATIONALLY

- ZEISS AT LISA® triand AT LISA 809MP series multifocal intraocular lenses (IOLs) as the, are premium, diffractive implants designed for cataract surgery to restore clear vision at near, intermediate, and far distances.
- ALCON Clareon® PanOptix®, is a premium lenses designed to reduce reliance on glasses after cataract surgery by providing clear vision at near, intermediate, and far distances.
- Johnson & Johnson Technis Odessey IOL is a next-generation premium intraocular lens from designed to provide a full range of continuous vision-near, intermediate, and far-while reducing reliance on glasses after cataract surgery.
- **All three lenses aim to provide high spectacle independence & use specialized optical technology to manage light distribution, reducing glare and halos for improved visual quality.**



HOW SOON WILL I ADAPT TO MULTIFOCAL IMPLANTS

- Sometimes patients complaints of overlapping images, reduced contrast sensitivity and halos and occasionally, a waxy vision.
- Neuroadaptation is a fancy way of our brains learning how to adapt. It's like if you move to a new city. At first it's all strange and foreign, and you really can't adapt to it. Then, after a while, it seems common place
- With a multifocal implant there is a simultaneous projection of different images on the retina - one that is focused on distance and one focused on near or intermediate, the brain requires a period of adjustment known as neuroadaptation. It involves suppressing near vision when gazing at distant objects and restricting distance vision when focusing up close and involves the brain learning to use these different images.
- As a general rule, younger patients tend to adapt more quickly to alterations in their visual systems. The older you are, the longer it's going to take, Neuroadaptation can take several weeks to 12 months to occur. But the brain is pretty plastic and can adjust very effectively.
- Several recent studies have shown that playing active games involving moving objects, like , table tennis, even carrom have the ability to help patients improve adaptation. Playing video games has shown to rapidly permit adaptation and is the preferred method internationally.



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Knowing Prof. Dr. Keiki R. Mehta



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Awarded **PADMASHREE** by the
President of India in 2008
for Exemplary Surgical Skills and his
outstanding Achievements and Research
in Ophthalmology

Prof. Dr. Keiki R. Mehta is India's foremost Consultant Ophthalmic Surgeon, and is The Surgical Chief & Medical Director of The Mehta International Eye Institute, Colaba, Mumbai, considered to be Asia's most advanced and foremost Ophthalmic Institute, and specializes in Cataract, LASIK, Glaucoma, Squint, Lazy Eyes, Keratoconus, Retinal surgeries and treatment. An outstanding researcher and clinician, he has extensive experience of Excimer Laser, PRK and LASIK techniques which he has done on over 11000 patients over the last 15 years.

◆ Received the "ASCRS Honored Guest Award", the highest recognition award by the American Society of Cataract and Refractive Surgeons, (ASCRS), the world's largest ophthalmic society, at the ASCRS Annual Symposium held in Boston, USA this April, 2014 by the President of the Society, Prof. Dr. Eric Donnenfield.

◆ Awarded the Antonio SCARPA Medal and Oration of the Italian Ophthalmic Society, which is the highest honor given by the Italian Ophthalmic Society for outstanding Work, Research, Outstanding Surgical Skills in Ophthalmology by the President of the Society, Prof. Matteo Piovela in Milan, Italy, May 2014.

◆ He has been honored by the Swiss Eye Research Foundation, by the President of the Swiss Ophthalmic Society, Prof. Bojan Pajic at the recently concluded Congress EyeAdvance Focus conference, June 2014.

He is the only Indian to be elected a Member of the Legion d' Honor of the Instituto Barraquer, Barcelona, Spain

◆ Prof. Dr. Keiki Mehta is the only distinguished Indian Ophthalmic surgeon to be ever invited to Operate Live at Video Cataracta in Milan, Italy, where only the best of the best are invited, at Europe's biggest Live Surgery Conference

◆ Prof. Dr. Keiki R. Mehta is considered India's foremost Ophthalmic surgeon, and has conducted Live Surgical workshops in every major city in India, and has trained thousands of doctors in Intraocular implant surgery and Phacoemulsification and Laser refractive surgery including Lasik.

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Knowing Prof. Dr. Keiki R. Mehta

- ▶ The American Implant Society awarded him its Appreciation Award, at San Francisco for pioneering Soft Intraocular implants for the first time in the world.
- ▶ He has received Grand Honors Award from the National Eye Research Foundation, Chicago, USA, the only Indian to be ever awarded.
- ▶ Presented the prestigious Lim International Award from the Asia Pacific Intraocular Implant Association for outstanding work in Ophthalmology in the Asia Pacific Region, the only Indian to be presented this award.
- ▶ Awarded the Triple Ribbon Award of the American Society for Cataract and Refractive Surgery, USA, for Outstanding Research presentations in Ophthalmology.
- ▶ Presented the Outstanding Recognition Award by International Council of Cataract Surgeons for Outstanding Research & Development in Cataract Surgery, award presented at Barcelona, Spain. Presented advanced research papers on Lasik Internationally and won the Outstanding Presentation Award at San Diego, USA.
- ▶ He is the winner of 11 Gold Medals in India, having received virtually all the Honors possible, has been the President of the All India Ophthalmologists Association and President of the Intraocular Implant and Refractive Society among many others.
- ▶ Chairman and Organizing Secretary of the very successful EyeAdvance Congresses for the last 26 years 1996-2023 These have now reached an iconic status and are recognized worldwide.



Prof. Dr. Keiki R. Mehta
receives the Grand Honors award from the
ASCRS in Boston at the hands of the
President Prof. Eric Donnenfield



Prof. Dr. Keiki R. Mehta
receives Leading International
Ophthalmological Award from
Swiss Eye Research Foundation Award



Prof. Dr. Keiki R. Mehta
presented the Prestigious
Antonio Scarpa Medal in Italy.



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Scan for Location



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