



## Mehta International Eye Institute

Managed by  
KRM Eye Institute Pvt. Ltd.

# PresbyVu

The worlds most successful  
Presbyopia controlling  
Laser technique is now  
available with the with the  
brilliant new Catalys system

**No need to wear  
distance or near glasses  
now or ever again**



**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), D.O. (London), R.C.P. (London),  
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**Consultant Ophthalmic Surgeon  
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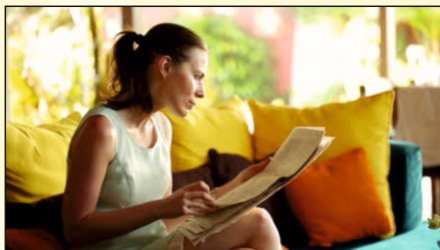


**Asia's Most Advanced Eye Institute**

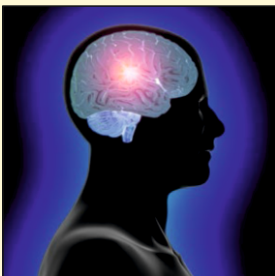
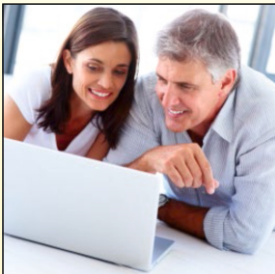
## NEW TECHNOLOGY FOR AGING EYES

# PresbyVu

- Imagine being able to see your world as well as you did when you were younger, without the help of glasses and contacts, or reading glasses. Imagine youthful, energetic, vibrant vision free from the encumbering cloudiness of your aging eyes.
- Well, it may now be possible PresbyVu is the procedure often referred to as Refractive Lens Exchange (RLE) or PRELEX and involves removing the natural lens of the eye and replacing it with an artificial lens. With major advances in lens technology, this solution has offered an alternative to laser eye surgery in those who are over the age of 40 wanting a permanent solution for vision correction.
- Presbyopia is the name of the condition that causes us to lose our near vision past the age of 40 something. LASIK is often the best vision correction choice for those below the age of 40 years with myopia, hyperopia or astigmatism—because it can change the shape of the Cornea according to a very precise and pre-determined plan.
- However after the age of 40, the only option if one wants to get rid of both near and distance power is NuVue.



## WHO CAN HAVE

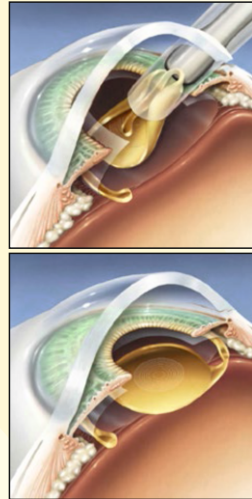


- Virtually everyone who has developed a near spectacle number. Even operated cataract eyes. And it gives good results in both plus or minus powers. No exceptions, provided, of course, all the tests for the procedure are OK.
- It is ideal for businessman or for the office worker. The near and intermediate vision comes virtually immediately so the patient can resume work on the computer and office the very next day.
- Ideal for the housewife, the homemaker, the model or the socialite. Virtually everyone who does not want wear reading glasses.
- The distance vision is slightly blurred for a few days till the recovery is complete. So one may need defer his or her foreign trips for a week or so.
- There is a little reflection of light at night in the earlier stage though this diminishes with time and after some time becomes virtually unnoti-ceable.
- Just remember it takes a bit of time to recover completely so a little patience is needed.

## REFRACTIVE LENS EXCHANGE ?

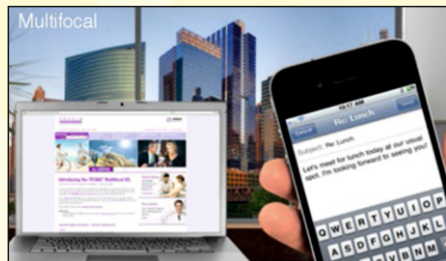
**PresbyVu**

- The artificial lens can be of the correct focusing power to correct the vision and reduce or alleviate the requirement for glasses. The procedure is more advanced form of cataract surgery as the lens inserted is more technologically superior and the results more accurate.
- NuVue can correct any prescription error including long sight (Hypermetropia) myopia (short sight) presbyopia (near age related reading number) and even astigmatism.

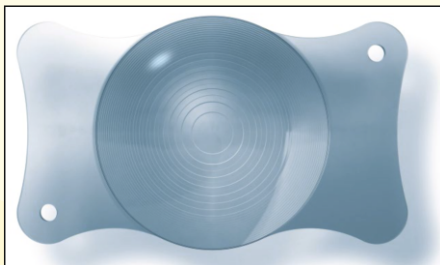
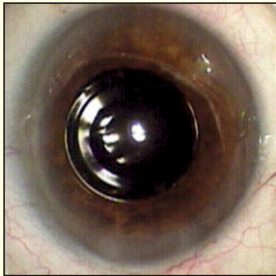


### **There are several advantages to PresbyVu :**

1. It is a permanent vision correction solution.
2. The procedure improves the perception of colours and contrast sensitivity.
3. It results in clearer unaided vision.
4. Prevents cataract formation and can be performed to clear cataract already present.
5. Fast recovery with almost immediate improvement.
6. The procedure is painless.



## WHAT TYPES OF IOLS CAN BE USED WITH



### **Bifocal Multifocal lens implants**

- These provide a great solution for people who prefer not to wear spectacles for most activities but who accept they may be needed for visually demanding tasks such as reading very small print or reading in dim light.
- Trifocal Multifocal lenses have exactly what the word means – 3 points of focus including intermediate vision – vital for using computers, seeing the dashboard on the car and using a mobile phone or iPad at a comfortable distance. Please be aware not all providers use the same lenses.

### **Toric lens implants**

- These lenses are an excellent way of treating high degrees of astigmatism and can be bi or trifocal lenses

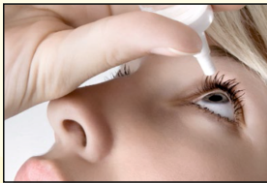
## WHAT TO EXPECT DURING & AFTER SURGERY

**PresbyVu**

- During the surgery, you will be lying down and a theatre assistant will hold your hand at all times for comfort and reassurance. The procedure takes between 5 and 10 minutes and during this time, you will see some lights and feel some water. The procedure is painless.
- After the operation you will be taken back to your private room. Whilst resting after the operation you will be offered refreshments.
- You will be given a combination antibiotic and anti-inflammatory eye drop to take home, with written instructions on how to instill these & the frequency with which they should be used. They are usually to be used four times a day for two weeks and then twice a day for two weeks. You may leave the hospital when you feel ready

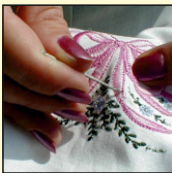


## WHAT YOU SHOULD DO AFTER DOING



- Have an adjustable illumination condition in the reading lamp to get the best possible results under changing light conditions. Tube lights due their flicker are not ideal for reading.
- Use of sunglasses in bright sunlight. It will make it more comfortable especially for the first month especially when driving.
- Do remember : Though the near vision will be perfect following the PresbyVue, the distance takes a little time to recover fully. Do be patient.
- Use your lubricating eye drops regularly. It makes the eye far more comfortable. Especially in the hot months.

## HOW QUICKLY WILL YOUR VISION IMPROVE ?



- Your vision will improve almost immediately. The vision will continue to improve until your pupil returns to its normal size.
- Thereafter the operated eye can take time to settle but you should start to notice an improvement in your vision within a couple of days.
- You can do embroidery or work on a tablet within a few days . As a fact the faster you return to work, the quicker the vision settles down.
- You can drive the moment you feel confident to do so. Your ability to drive may be dependent upon a number of factors, including the vision in your other eye and the quality of your vision when using both eyes together.

## FURTHER INFORMATION RE :

# PresbyVu

- **Will my glasses be totally eliminated**

The multifocal lens implants used in the PresbyVu technique usually do not entirely eliminate eyeglasses. There may always be situations where the print or the images are simply too small or too far away to see without glasses. The print quality and the amount of available light will make a difference.

If your work involves intermediate distance (2 feet to 5 feet) do remember to select the trifocal implants Multifocal lens implants do offer the convenience of significantly less dependence on reading glasses compared to standard lens implants.

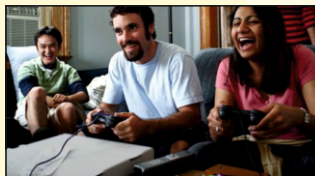
- **Who might need a Lasik enhancement" after a multifocal lens implant?**

Occasionally we may need to "enhance" or fine-tune any residual prescription with an external Lasik procedure on the cornea. Lasik can also correct any remaining astigmatism coming from your cornea. The odds are usually less than 10%,

and customarily no extra charges are involved. The chances are greater in patients with high astigmatism, hypermetropes or requiring very strong prescription glasses to begin with. The need will also depend upon how much better one wants to see without glasses.



- 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. Sometimes patients complain of overlapping images, reduced contrast sensitivity and halos and occasionally, a waxy vision.
- The brain requires a period of adjustment known as neuroadaptation that 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.
- Patients neuroadapt when they get new spectacles or a contact lens prescription or undergo an intraocular procedure. Because multifocal lenses require greater adaptation, the amount of adjustment the brain needs to make between images may take time, sometimes even months, but finally all brains adapt to the simultaneous vision very successfully.
- 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 commonplace.
- 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, table tennis, even carom 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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Consultant Ophthalmic Surgeon

Medical Director & Chief

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 Piovella 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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- ◆ 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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