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REDUCE YOUR **DEPENDENCE** ON **SPECTACLES**

CENTRE FOR SIGHT

Every eye deserves the best

ABOUT CENTRE FOR SIGHT

Established in 1996, by Dr. Mahipal Sachdev, an eminent ophthalmologist and a Padamshree awardee, **Centre for Sight** has been instrumental in changing the face and service standards of eye care in the country.

Since its inception, Centre for Sight has been guided by patient centric values of efficiency, precision, compassion and integrity.

Driven by the mission to provide the best eye care to all, **Centre for Sight** has carefully handpicked a team of super specialist ophthalmologists from the premier eye institutions of the country like R.P. Centre AIIMS, Aravind Eye Hospital, Sankara Nethralya, L V Prasad Eye Institute, Guru Nanak Eye Centre etc.

For team **Centre for Sight**, the guiding principles for achieving Excellence in Eye Care is to provide to all who enter our portals, super specialised eye care, honest clinical opinion and cutting edge technology. With these principles always at the forefront, we hope to continue serving our patients with eye ailments to the best of our ability and live up to the reputation of being one of India's leading provider of quality eye care.

To join the crusade against corneal blindness, **Centre for Sight** has established its eye bank at Preet Vihar, Delhi.

We also lay emphasis on teaching and academic activities. Currently, we are offering Senior Residencies and Fellowship Programme in the field of Ophthalmology. Our faculty is actively involved in Health Talks in various fora.

Awards Won:

- Frost & Sullivan award as the Eye care provider company of the year 2010 & 2014
- FICCI Healthcare Excellence award for Operational Excellence in 2012
- ET Now Leaders of tomorrow national award for Business Excellence in 2014.
- Awarded "Best Single Specialty Hospital Chain 2016" at Businessworld 3rd Healthcare Summit & Awards.
- Dr. Mahipal S Sachdev, chairman & MD CFS group of hospitals receives lifetime achievement Award at Times Health achiever Delhi NCR 2017.

These awards are recognition of our committed efforts to make eye care a super specialty in India.

Centre for Sight *is registered under the Nursing Home Act by the Directorate General of Health Services and is on the panel of many reputed Public Sector Undertakings, Corporates and TPAs.*

"OF ALL THE SENSES SIGHT IS THE MOST BEAUTIFUL!"

WHAT IS PRESBYOPIA?

With time, the eye's natural lens can become too stiff to focus up close. As a result, words and other nearby objects appear blurry. The clinical term for this loss of near vision is presbyopia.

Presbyopia can come as a bit of a shock and can be very frustrating. Patients that have previously been blessed with excellent eyesight now need reading glasses. Patients that already wear spectacles now need two or three different pairs of spectacles to focus distant, intermediate and near objects. Some patients opt for varifocal design spectacles to allow focussing at all distances, but these have significant limitations and can be difficult to accept.

It is important when thinking about Presbyopia that patients consider at least three separate focal distances.

- Distance vision (from a few meters to infinity)
- Intermediate vision (say 50cm to a few metres)
- Near vision (about 30-50cm).

For many years Opticians have provided, particularly contact lens wearers, with a technique called Monovision. Monovision means that opticians will focus one eye into the distance and the other eye much closer for reading etc. It can work very well for younger middle aged patients who still have a little flexibility in their eyes focussing system, but, with increasing age a patient's depth of focus or accommodation will decrease and the reading strength in the reading eye will need to be increased accordingly. This ultimately creates a blur zone for intermediate distances (e.g. the dashboard of a car, prices in a shop window). We only have two eyes and we need to consider the three focussing distances as above. Also, as there is now a much bigger difference between the two eyes, monovision becomes more difficult to tolerate.

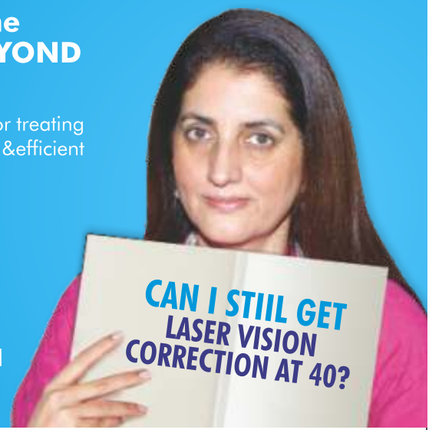
There are a number of options to correct presbyopia (loss of reading vision) including SMILE, LASIK, PRK, PRESBYOND, Intraocular Collamer Lens, and multifocal intraocular lenses.

Discover the benefits of the unique customized PRESBYOND Laser Blended Vision.

The optimized laser treatment technique for treating Presbyopia, providing a comfortable, fast &efficient way to gain freedom reading glasses.

BENEFITS

- Excellent Vision At All Distance
- Customized Treatment
- Quick Recovery
- Improved Visual Acuity



WHAT IS PRESBYOND?

PRESBYOND® Laser Blended Vision is similar to monovision. It is something every potential laser patient should consider. As an optimized laser method for age-related loss of accommodation, PRESBYOND Laser Blended Vision is ideally suited for serving the needs of patients 40-60 years of age.

PRESBYOND® Laser Blended Vision takes monovision to the next level. Complex wavefront guided laser ablation profiles expand the depth of focus available to each eye. So whilst the adaptation is similar to micro-monovision the expanded depth of field allows for a wider range of focus to be achieved reducing dependence on spectacles as far as is possible.

In Presbyond Laser Blended Vision, a number of factors are considered including age, accommodative amplitude, pre-op wavefront, tolerance to anisometropia, and the amount of refractive error. The software then combines these factors to generate an ablation profile with the aim of leaving the patient with an appropriate level of spherical aberration in order to maximize the depth of field without compromising contrast sensitivity, stereoacuity, or night vision.

The dominant eye is corrected for distance vision, and the non-dominant eye is corrected to be slightly nearsighted for near vision. Both eyes are treated to ensure the best possible balance of vision. A customized fusion of the two images for near and distance vision is created for each patient - this is called the "Blend Zone". Essentially, the Blend Zone makes it easy for the brain to merge the images of both eyes, thereby achieving true binocular vision.

All patients, at whatever age, need to be aware of the aging changes that will take place in their eyes eventually. Patients need to consider their long term visual needs very carefully, as increasing age brings compromises that must be understood and accepted.

Younger patients and some older patients may choose Balanced Laser Vision Correction to focus both eyes into the distance. This balanced distance vision may be chosen by younger patients who are not concerned yet about the effects of aging or by older patients whose distance visual demands are absolutely paramount and they do not want to wear spectacles to achieve this level of satisfaction. So for example, a person who drives long distances often in the dark may prefer balanced full distance vision correction in each eye. Patients choosing balanced laser vision correction will benefit from maximal distance acuity, their eyes focus will be balanced, allowing them maximal depth perception and best possible night vision. However these patients will be inconvenienced by the need for close work glasses with increasing age. If over the age of 45, they have chosen the compromise "Clarity over Convenience".

Other patients will accept a subtle compromise in absolute binocular visual clarity and choose Presbyond Laser Blended Vision to allow maximal freedom from the burden of spectacles. These patients will have chosen "Convenience over absolute binocular Clarity". They should be free from spectacles for most general day to day tasks. One eye dealing with distance vision quite acceptably and the other with intermediate and some close work acceptably.

It should be pointed out that patients choosing Presbyond Laser Blended Vision because they want maximum freedom from glasses as they age, always retain the option to wear spectacles (or a single contact lens) to balance their eyes and give maximal binocular acuity for specific tasks. For example a fair percentage of patients still wear spectacles to maximise vision for night driving or may wear spectacles for prolonged periods of intense close reading.

In summary, Presbyond Laser Blended Vision is a solution for presbyopia that meets all the goals of good binocular vision at all distances, no compromise in safety, contrast sensitivity, or night vision, and retention of functional stereo acuity.

The procedure is immediately reversible by wearing spectacles, or a simple retreatment can be done using a standard excimer laser ablation with the advantage of keeping the depth of field. All this is achieved while simultaneously correcting a wide range of refractive errors and astigmatism levels. The key to this approach was to base it on the natural mechanisms of spherical aberration processing and binocular fusion, unlike multifocal approaches that require the patient to adjust to the unnatural situation of having to differentiate between two images in the same eye.