

only a tenth or less than that of laser surgeries

Radial Keratotomy offers better and immediate results than laser surgery.

### **What should be done after surgery?**

Apply the prescribed eye drops three times a day for 3 weeks as advised by your doctor. You should protect your eyes from any injury atleast for one year.

For some patients, the power may decrease gradually.

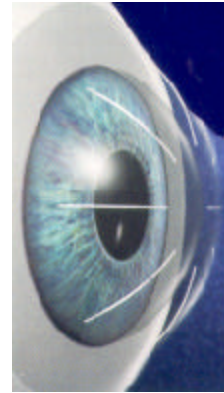
### **It is important that**

- you discuss with your parents and friends
  - and have all your doubts cleared
- before undergoing this surgery**

<Your Contact Address>  
<Your Website Address>

# Radial Keratotomy

Surgery for Myopia (short-sight)



<Your Hospital Name>  
<Your Logo>

## What is meant by Radial Keratotomy?

Patients with short-sight or myopia have to wear glasses or contact lenses with minus power to see distant objects clearly. Without glasses they can see only near objects clearly. Radial Keratotomy changes the corneal curvature so that the light rays get focussed better on the retina, and the patients can have normal vision without glasses.

In the United States, 2,50,000 Radial Keratotomy surgeries are done in a year. After extensive experiments and research, it has been found that the surgery is beneficial. This surgery is now performed at Aravind Eye Hospital.

## How does Radial Keratotomy work?

In Radial Keratotomy, the curvature of the cornea is reduced by surgery to decrease the minus power. This helps the myopic patient to gain normal vision without glasses or contact lens.

## Method of Surgery

This procedure is done under topical anaesthesia. First, the thickness of the cornea is measured with the help of 'Pachymeter'. With the use of a microscope, a series of 4 to 8 incisions are made on the surface of the cornea with a micrometer diamond blade which has the accuracy of one micron level. This surgery takes no longer than 10 to 15 minutes. The patient can go home on the same day. The surgeon will examine the eyes the next day and after a week.

## Is there any immediate improvement in vision?

Certainly. The patient will see much better without glasses. Those having minus one to minus five power will have fairly good distance vision without glasses.

## Are there any side-effects?

Some people may experience glare, which is temporary. As with any surgery, there is a rare possibility of sepsis.

## Who is eligible for this surgery?

Persons over 20 years, with a non-progressive power between minus one to minus five are eligible for Radial Keratotomy surgery. However, Radial Keratotomy cannot be undertaken in patients with keratoconus, corneal ulcer, cataract, glaucoma and retinal detachment.

## Is it necessary to wear glasses or contact lens after surgery?

Normally it is not required. But you may need the glasses for full vision. Results depend on your previous power and healing effect.

## Can both eyes be operated simultaneously?

Ethically both eyes should not be operated simultaneously. It is done on one eye first. After knowing the postoperative results, the other eye is operated.

## How much will it cost?

The cost of Radial Keratotomy surgery is