Article Side

Cornea Transplant India Cornea Eye Transplant in India at Low Cost, Mumbai Delhi

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What is the cornea?

The outermost layer of the eye is called the cornea. It is the clear, dome-shaped surface that covers the front of the eye. Practically like the watch glass of a wrist watch, the cornea is a powerful refracting surface and provides about 2/3rd of the focusing power of the eye.

It becomes a clear window to look through and its clarity is therefore critical for good vision. Diseases of the cornea lead to loss of its transparency, thus reducing the vision. Injury, infection, genetic diseases and malnutrition can cause impaired functioning of the cornea.

In corneal transplant surgery, the surgeon removes the central portion of the cloudy cornea and replaces it with a clear cornea The surgeon places the new cornea in the opening and sews it with a very fine thread. The thread stays in for months or even years until the eye heals properly (removing the thread is quite simple and can easily be done in an ophthalmologist's office. Following surgery, eye drops to help promote healing will be needed for several months.

The transplanted tissue will enable the patient to regain much of the eyesight lost by the condition which damaged the patient's own cornea. The surgery can also eliminate symptoms due to the corneal condition.

Cornea transplantation

Eye Disease

Cornea transplantation

From darkness to light

What is Corneal Transplantationâ€™?

Corneal transplantation / keratoplasty/ corneal grafting is the surgical procedure that restores sight in patients suffering from corneal blindness. In this surgical procedure, the diseased opaque cornea is replaced by a clear healthy donor corneal tissue which restores sight by allowing the light rays to enter the eye through transplanted clear cornea. This procedure of corneal grafting is possible only on the availability of donor cornea by process of eye donation.

Preparing for a Corneal Transplant

The corneal replacement surgery can take place only once a donor is found.

Routine laboratory tests, blood tests, and X-rays are performed.

The ophthalmologist examines the eye in detail, and discusses the various surgical options available to the patient.

What is the significance of the cornea ?

The cornea is the transparent front surface of the eye. It is an important optical structure through which rays of light enter the eye. Any damage or injury to this delicate structure can lead to permanent loss of corneal transparency or in other words cause clouding and opacification.

Loss of corneal transparency prevents the entry of light rays into the eye and diminishes vision. In cases of severe of damage, this can cause total loss of vision making the person visually handicapped. There are other conditions also such as malnutrition, Vitamin A deficiency, infection, certain corneal diseases such as keratoconusâ€™ and corneal degenerationâ€™, which can cause cornea blindness.

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what are the possible complications in corneal transplntation?

The corneal transplant can be rejected by the body in approximately 5-30% of grafts. This also depends in the pre-operative disease. The rejected cornea clouds & vision deteriorates. Whereas most rejections take place within the first 3-4 months after surgery, they can occur even many years later. Most rejections, if promptly treated, can be reversed with minimal injury, warning signals for rejection include:

Infection

Bleeding

Swelling or detachment of the retina

Glaucoma

Risks in Corneal Transplant Surgery

As with any eye surgery, there is the possibility of loss of sight in the eye, loss of the entire eye or possible loss of life due to abnormal reactions to anesthesia. The risks are very small, but it is very important that you be aware that risks exist as with ant other surgical procedure.

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Pankaj Nagpal - About Author:
This article was written by Pankaj Nagpal at We Care India Hospital group. This article contains about a cornea tranplant india India, at best a hospitals in India on best price.

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