**Cornea**

The cornea is the transparent front part of the eye that covers the iris, pupil and anterior chamber. With the anterior chamber and lens, the cornea refracts light. It accounts for approximately two-thirds of the eye's total optical power and its transparency is of utmost importance.

**Clinical Profile:**

The cornea department at H.V. Desai Eye Hospital provides a complete range of services for the treatment of diseases related to the cornea in children as well as adults, which include:

* Allergic eye diseases
* Corneal infections
* Congenital and hereditary cornea disorders ocular trauma
* Keratoconus and other corneal degenerations
* Ocular surface disorders, which include severe dry eyes, blepharitis, chemical injuries, Stevens Johnson's syndrome and ocular surface tumours
* Refractive errors

**Equipment and investigations-**

The cornea department of H.V. Desai Eye Hospital offers state-of-the-art instruments such as:

* Specular Microscope: A valuable part of investigations for corneal transplantation surgeries and cataract surgeries
* Haag Streit Slit Lamp with digital imaging: Can store thousands of pre & postoperative clinical photos
* Pentacam: The most important instrument for screening of patients for LASIK and Keratoconus
* Pachymetry
* Anterior Segment OCT

**Surgeries**

H.V. Desai Eye Hospital provides virtually all the options required for the treatment of various corneal conditions, such as:

* Optical penetrating keratoplasty (corneal transplants)
* Newer keratoplasties: DALK & DSEK
* Keratoprosthesis surgery: Artificial cornea
* Tectonic & therapeutic grafts: For the treatment of infections
* Pterygium with conjunctival grafts: Sutureless surgery
* Treatment of injuries to the globe: Corneal tear suturing, sclera tear suturing
* Treatment of acid , alkali & thermal injuries of the eye: Amniotic membrane grafting
* Ocular surface reconstruction surgeries
* Dry eye treatments
* Collagen cross-linking

**Contact lens clinic:**

* Soft contact lenses fitting
* Fitting of specialized lenses for Keratoconus & prosthetic C.L.s
* Coloured /cosmetic contact lenses

**Eye donation:**

We provide 24-hour services for corneal tissue retrieval, assessment, processing and storage. Can be contacted through a dedicated telephone line (please provide the same here)

**Special Feature-**

Our quality work has been published in several peer-reviewed scientific journals:

* Outcome of Optical Penetrating Keratoplasties in a Tertiary Care Eye Institute in Western India-Joshi S.A., Jagdale S., More P., Deshpande M. Indian J Ophthalmol Jan 2012 Vol 60
* Deep Anterior Lamellar Keratoplasty in Dematiaceous Fungal Keratitis-Joshi S.A., Sharma N., Deshpande M. Journal of Clinical Ophthalmol & Research. May–June 2016 Ophthalmol & Research, May- Aug 2016
* High Risk Penetrating Keratoplasties. Joshi S.A., Deshpande M. Journal of Clinical Ophthalmol & Research. Aug-Oct 2016
* Unusual Case of Globe Rupture- the Brittle Cornea Without Systemic Manifestations, Joshi S.A., Upapalli S., More P, Deshpande M.–BMJ Case Reports.bcr 2016-215722

**Faculty-**

* Dr. Shilpa Joshi (consultant & H.O.D.)
* Dr. Seema Jagdale-Mandhare