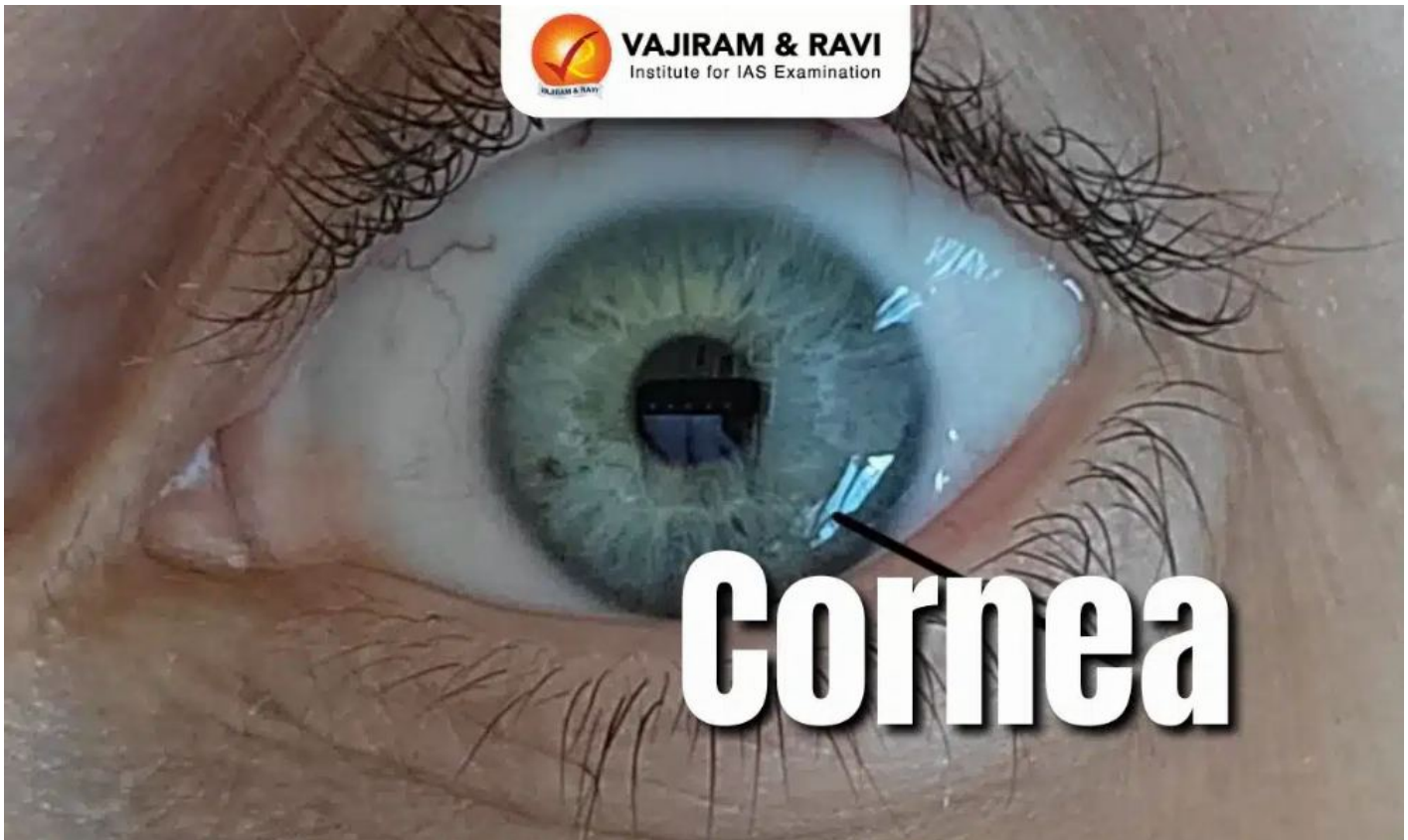


Cornea

November 11, 2025 • vajiramandravi.com



Cornea Latest News

The Union Ministry of Health and Family Welfare recently amended the Transplantation of Human Organs and Tissues (Amendment) Rules, 2025, to boost cornea donation and transplant services across the country.

About Cornea

- The cornea is the **clear outer layer at the front of the eye**.
- It **covers the pupil** (the opening at the center of the eye), **iris** (the colored part of the eye), and **anterior chamber** (the fluid-filled inside of the eye).
- Viewed from the front of the eye, the cornea **appears slightly wider than it is tall**. This is **because the sclera** (the “white” of the eye) **slightly overlaps the top and bottom of the anterior cornea**.
- The cornea’s **main function is to refract, or bend light**. The cornea is **responsible for focusing most of the light that enters the eye**.
- **As light passes through the cornea**, it is **partially refracted** before reaching the lens.

- The **curvature of the cornea**, which is spherical in infancy but **changes with age, gives it its focusing power.**
- The cornea **provides** approximately **65 to 75 percent of the focusing power** of the eye.
 - The **remainder** of the focusing power of the eye is **provided by the crystalline lens**, located directly **behind the pupil.**
- **Cornea's specific shape** plays a key **role in how your eyesight works** and **filters some ultraviolet (UV) rays.**
- **Except at its margins**, the **cornea contains no blood vessels**, but it **does contain many nerves** and is **very sensitive** to pain or touch.
- Since there are no nutrient-supplying blood vessels in the cornea, **tears and the aqueous humor (a watery fluid)** in the anterior chamber **provide the cornea with nutrients.**
- **Most refractive errors — nearsightedness, farsightedness, and astigmatism — are due to a less-than-optimal curvature or symmetry of the cornea.**
- The cornea is **incredibly sensitive**, helping you instinctively and immediately **react to stop anything from harming your eyes further.**
- Because corneas are the first line of defense for the surface of your eye, they're also **prone to injuries and damage.**
- The cornea **tends to repair itself quickly** from minor abrasions.
- However, **deeper abrasions may cause scars** to form on the cornea, which causes the **cornea to lose its transparency, leading to visual impairment.**

Source: **TH**

Source: <https://vajiramandravi.com/current-affairs/cornea/>

© Vajiram & Ravi. For personal use only.