

# Normal Eye

The precious gift of GOD, the Eye is such a wonderful structure which has many parts functioning in unison to provide us with good vision. The eye very much resembles a camera. The image of the object that is focused upon is inverted on the film of the eye, the retina and the signals pass to the brain which reads the image as erect.

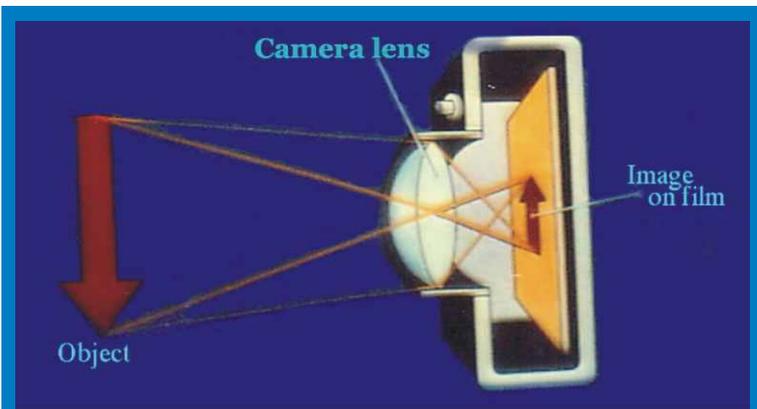


Fig. (1.a) Schematic picture of a camera

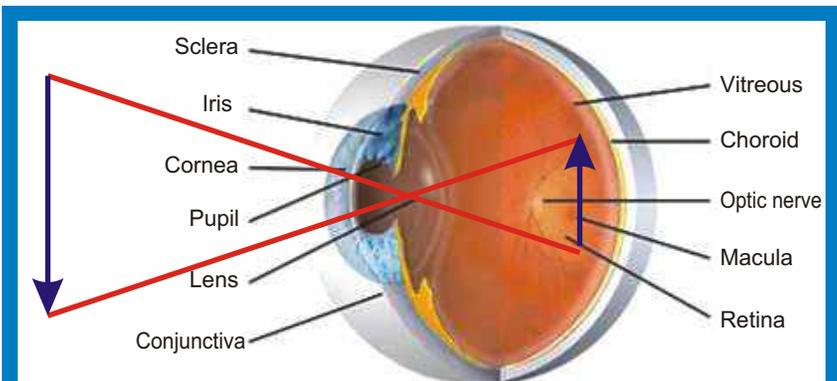
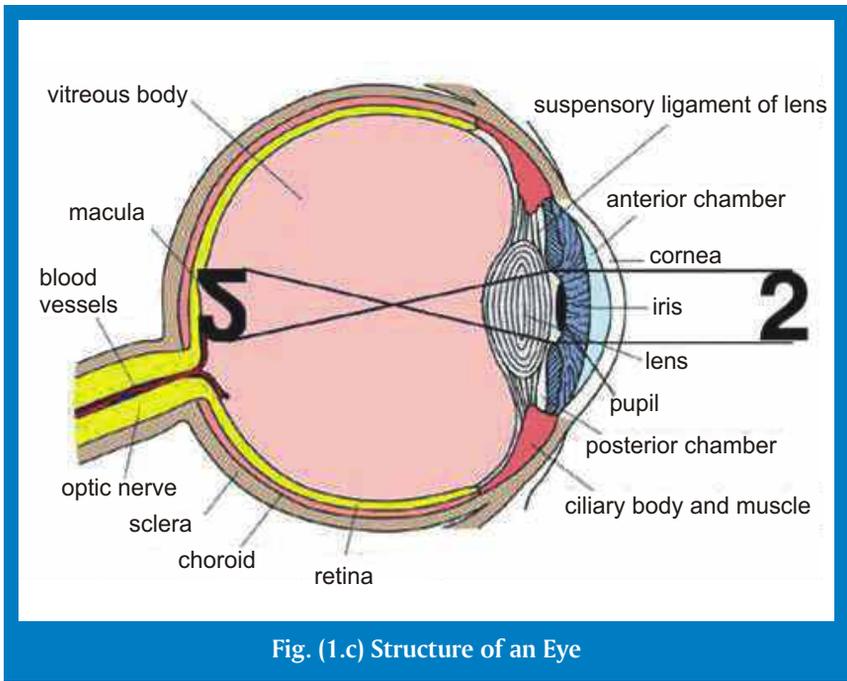


Fig. (1.b) Schematic picture of an eye

The eye is covered by the **Eye Lids** which protect the outer part of the eye, the **Conjunctiva** is a thin transparent membrane covering the inner aspects of the lids and the outer part of the white part of the eye, the **Sclera**. The eye has a watch glass, a transparent window called the **Cornea**, which allows the light to enter into the eye. **Aqueous Humour** is a fluid, which flows between the cornea and the lens. A diaphragm called the **Iris** controls the amount of light entering the eye. The iris has a small opening or aperture in the center called the **Pupil**, which dilates and constricts according to the external light.



The **Lens** is a transparent structure situated behind the Iris and is suspended by **Suspensory Ligaments (Zonules)**. The inner segment of the eye has a gel substance called **Vitreous Humour** situated between the lens and the retina which forms the shape and contour of the eye. **Choroid** is a pigmented structure forming one of the coats of the eye ball.

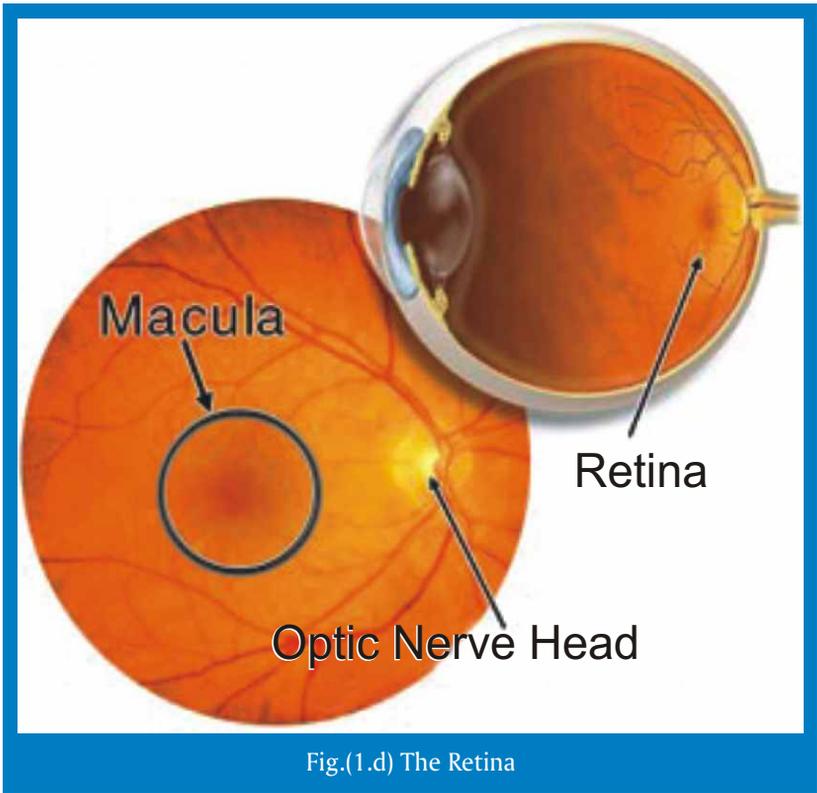


Fig.(1.d) The Retina

The **Retina** is a thin light sensitive layer forming the inner coat of the eye ball. The **Optic Nerve** is seen as a small **optic disc** in the back of the eye, which transmits impulses from the retina to the brain. The center of the retina is called the **Macula**, which is a sensitive part for good vision.