ANATOMY OF THE EYE

LENS
The resilient, transparent structure in the eye that focuses light by changes of curvature of its front surface. It is located near the front of the eye, directly behind the pupil.

IRIS
The colored portion of the eye which surrounds the pupil. Its expansion or contraction increases or reduces the amount of light entering the eye through the pupil.

PUPIL
The round hole in the center of the iris through which light passes. The pupil ordinarily appears black because there is very little light coming from the dark chamber behind it.

RETINA
The inner lining of most of the back chamber of the eye which contains the layers of nerve cells giving the eye its sensitivity to light.

SCLERA
The tough, white, fibrous outer protective layer of the eye.

CHOROID
A layer between the retina and sclera, consisting primarily of blood vessels which provide nourishment to the retina.

OPTIC NERVE
Bundle of nerve fibers that carries vision related impulses from the retina to the brain.

CORNEA
The front transparent part of the outer protective layer of the eye. Its bulging curvature provides the major refraction (focal strength) of the eye.

AQUEOUS HUMOR
The watery fluid that fills the anterior or front chamber of the eye and provides some of the nutrition for the surrounding parts.

VITREOUS HUMOR
A clear jellylike substance that fills the vitreous/rear chamber of the eye.

CILIARY MUSCLES
The muscles that control the focusing (accommodation) of the eye by causing the lens to change shape.

SUSPENSONRY LIGAMENTS
Long, thin fibers which connect the crystalline lens to the ring of ciliary muscles.

FOVEA CENTRALIS
A small, thinned out area of the retina consisting almost exclusively of receptor cells which provides high visual acuity.

LIMBUS
Border between the iris and the sclera.
Ocular Anatomy

- Conjunctiva
- Canal of Schlemm
- Sclera
- Vitreous Humor
- Aqueous Humor
- Crystalline Lens
- Iris
- Macula
- Suspensory Ligaments
- Ciliary Muscle
- Optic Disk
- Retina
- Cornea
- Choroid
- Fovea Centralis
- Optic Nerves