

# OCULAR ANATOMY LAYERS

## ANATOMICAL LAYER

### KEY COMPONENTS & FUNCTIONS

Fibrous Tunic (Outer)

**Sclera:** Protective white outer layer; maintains eye shape.

**Cornea:** Transparent front window; primary refractive element.

Vascular Tunic (Middle)

**Choroid:** Vascular layer providing nourishment to the retina.

**Ciliary Body:** Produces aqueous humor; controls lens shape.

**Iris:** Pigmented ring regulating light entry via the pupil.

Neural Tunic (Inner)

**Retina:** Photoreceptive layer (Rods & Cones).

**Macula:** Responsible for high-acuity central vision.

**Optic Disc:** The anatomical blind spot; exit point for optic nerve.

Internal Segments

**Anterior Segment:** Contains Aqueous Humor.

**Posterior Segment:** Contains Vitreous Humor (gel-like volume).

**Clinical Notes:**