



...going one step further



F16

Latin

- 1 Stratum limitans interna
- 2 Stratum neurofibrarum
- 3 Cellula ganglionaris
- 4 Stratum ganglionicum
- 5 Stratum plexiforme internum
- 6 Stratum nucleare internum
- 7 Stratum plexiforme externum
- 8 Amacrine cell
- 9 Cellula bipolaris
- 10 Cellula horizontalis
- 11 Stratum nucleare externum
- 12 Cone cell
- 13 Rod cell
- 14 Stratum nervosum
- 15 Stratum pigmentosum
- 16 Choroidea
- 17 Sclera
- 18 Synapsis
- 19 Axon
- 20 Nucleus
- 21 Myoides
- 22 Ellipsoides
- 23 Segmentum internum
- 24 Cilium
- 25 Segmentum externum
- 26 Cellula pigmentosa
- 27 Stratum limitans externum



Eye – Microscopic Anatomy

English

The model illustrates the microscopic structure of the retina with choroid and sclera. The left side shows the light microscopic appearance of the retina including the choroid and parts of the sclera and the complex synaptic wiring diagram of the retina. The right part of the model shows a sectional enlargement with the microscopic structure of the photoreceptors.

The retina consists of the following 10 layers:

- 1) Stratum pigmentosum (pigmented layer of retina)
- 2) Stratum nervosum (layer of rods and cones)
- 3) Stratum limitans externum (outer glial limiting membrane)
- 4) Stratum nucleare externum (outer nuclear layer)
- 5) Stratum plexiforme externum (outer plexiform layer)
- 6) Stratum nucleare internum (inner nuclear layer)
- 7) Stratum plexiforme internum (inner plexiform layer)
- 8) Stratum ganglionicum (ganglionic cell layer)
- 9) Stratum neurofibrarum (layer of nerve fibers)
- 10) Stratum limitans internum (inner glial limiting membrane)

- 1 Inner glial limiting membrane
- 2 Layer of nerve fibers
- 3 Ganglion cell
- 4 Ganglionic cell layer
- 5 Inner plexiform layer
- 6 Inner nuclear layer
- 7 Outer plexiform layer
- 8 Amacrine cell
- 9 Bipolar ganglion cell
- 10 Horizontal cell
- 11 Outer nuclear layer
- 12 Cone cell
- 13 Rod cell
- 14 Layer of rods and cones
- 15 Pigmented layer
- 16 Choroid
- 17 Sclera
- 18 Synapse
- 19 Axon
- 20 Nucleus
- 21 Myoid
- 22 Ellipsoid
- 23 Inner segment
- 24 Cilium
- 25 Outer segment
- 26 Pigment cell
- 27 Outer glial limiting membrane





