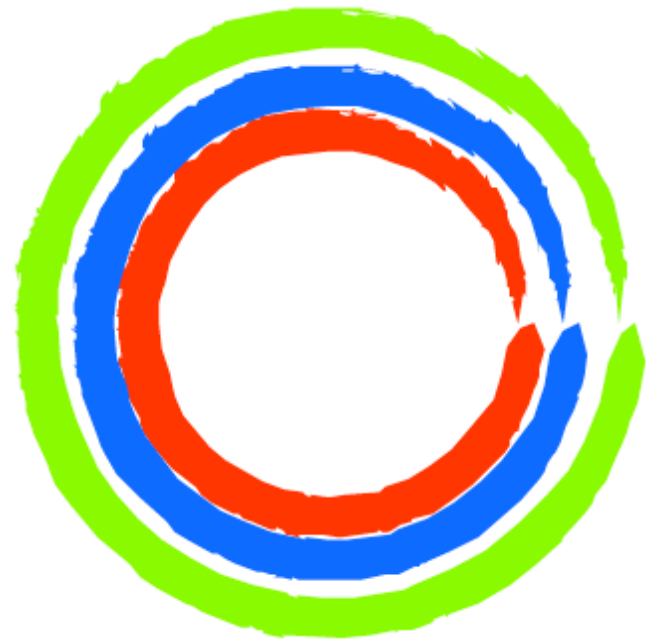


A215 Lab - Scope Day 8

Eye/Ear Histology

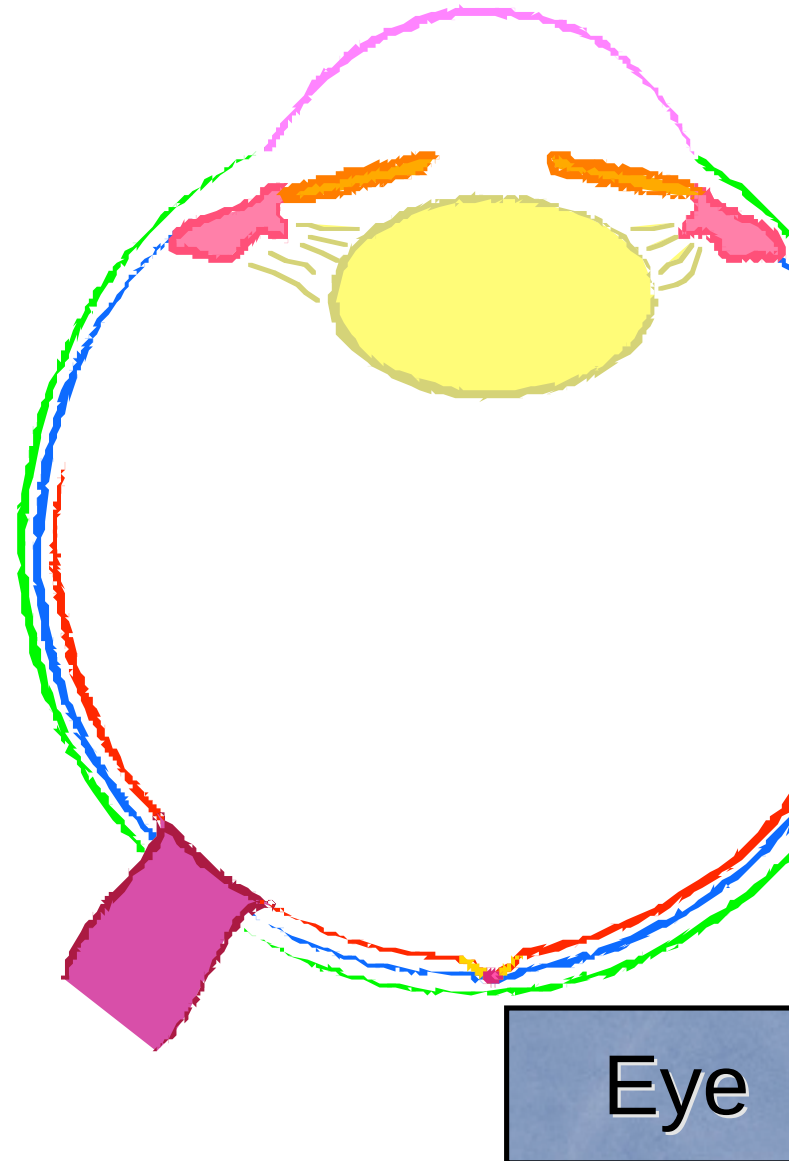
Eye

- 3 basic tunics (layers)
 - fibrous tunic
 - vascular tunic
 - retina tunic



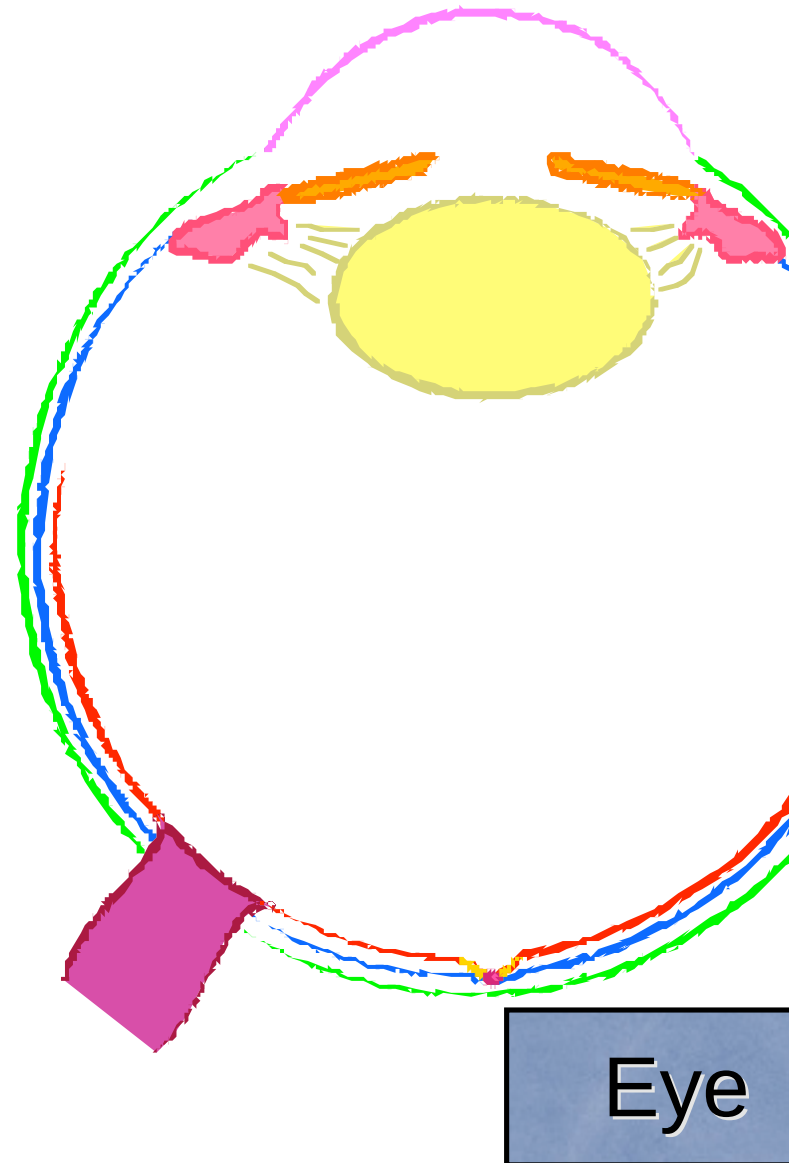
Fibrous tunic

- Outmost layer of eye
- Sclera
 - white posterior 5/6 of tunic
- Cornea
 - clear anterior 1/6 of tunic



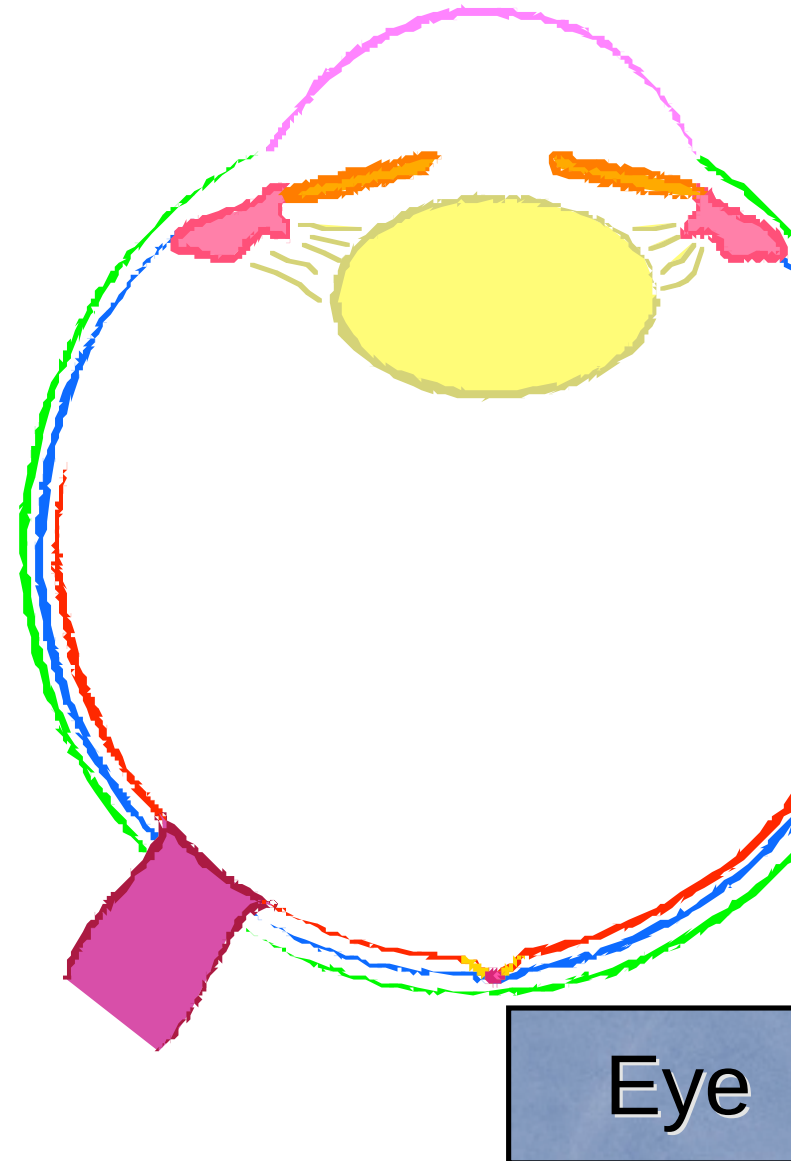
Vascular tunic

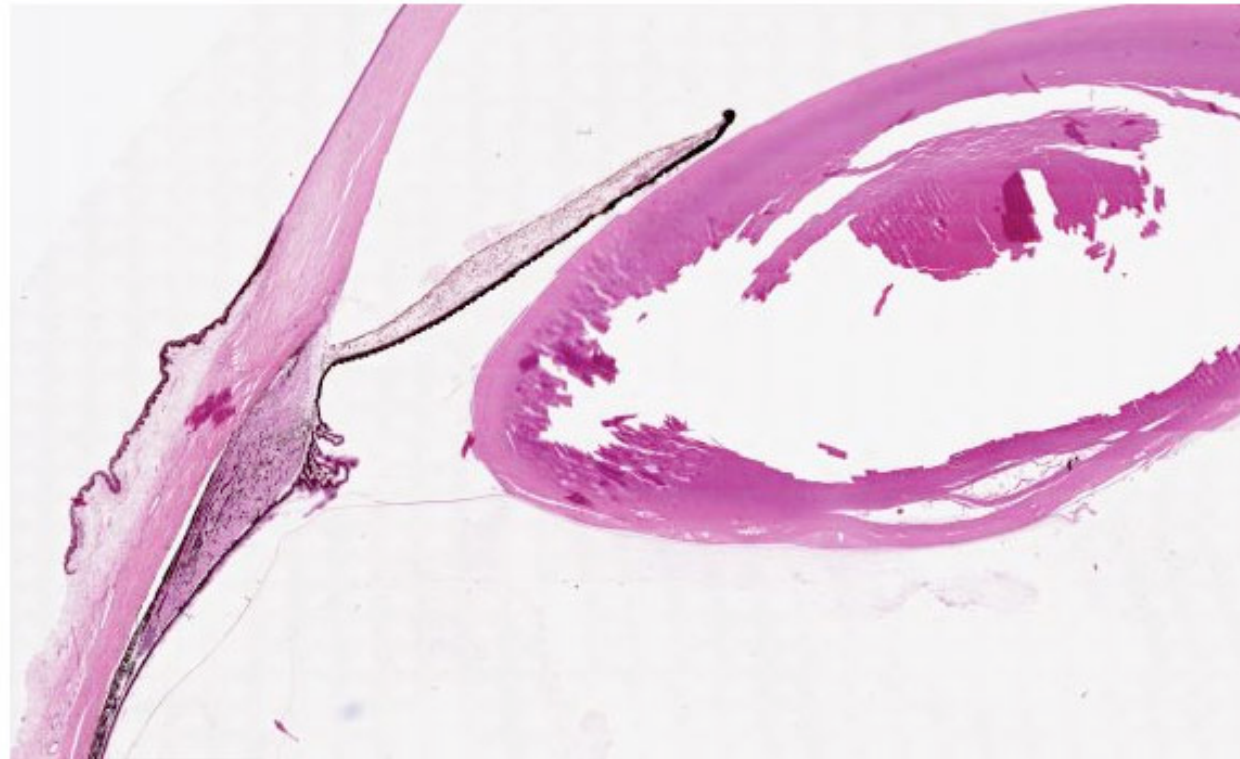
- Middle layer of eye
- **Choroid** - thin and highly vascular
- **Ciliary body** - projections near edge of cornea
 - Made of **Ciliary muscle**
- **Iris** - Long anterior projection around lens
- **Pupil** - opening between the iris

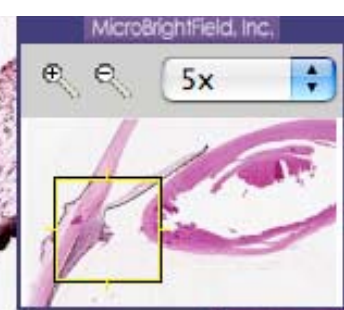
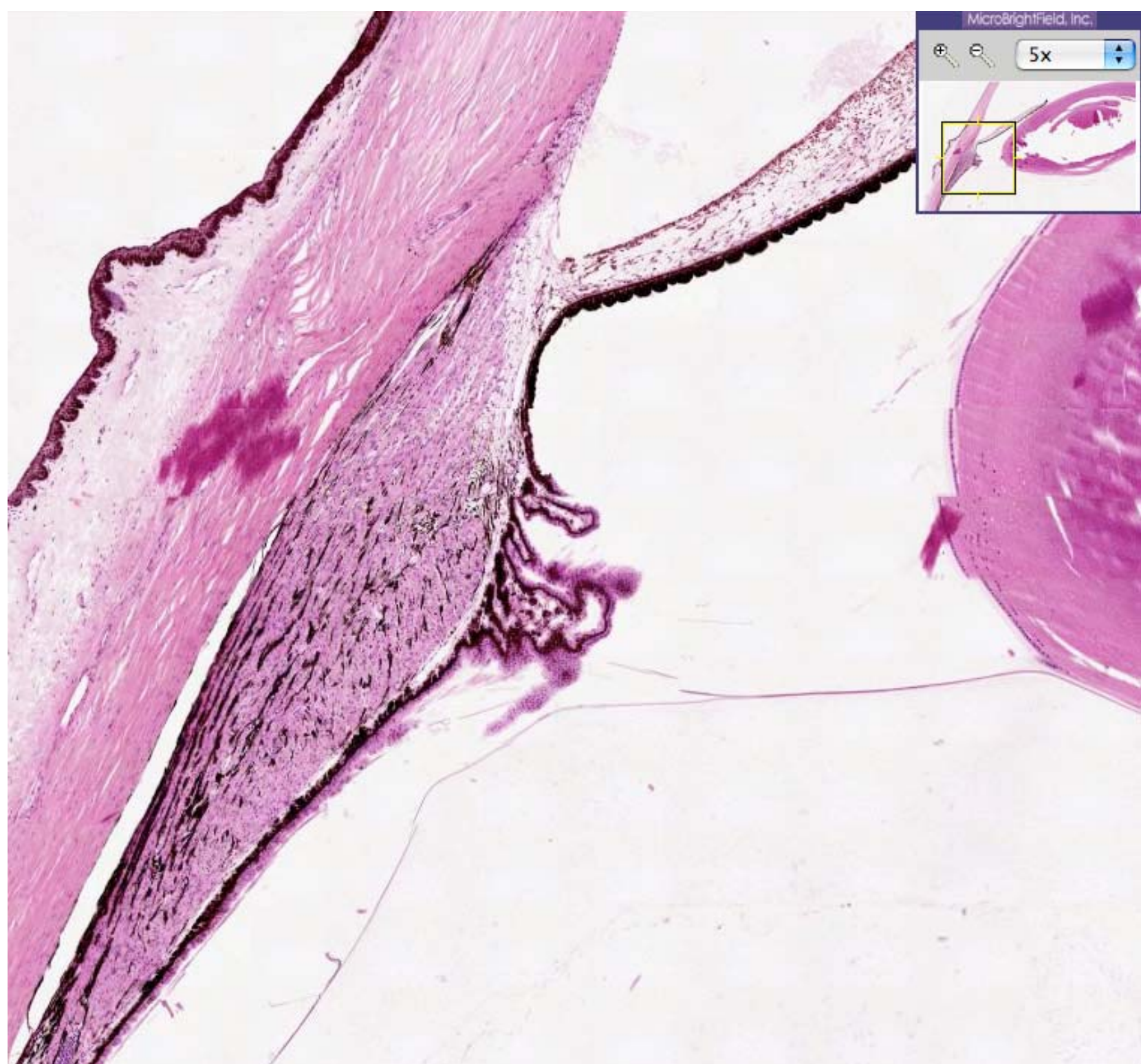


Retina tunic

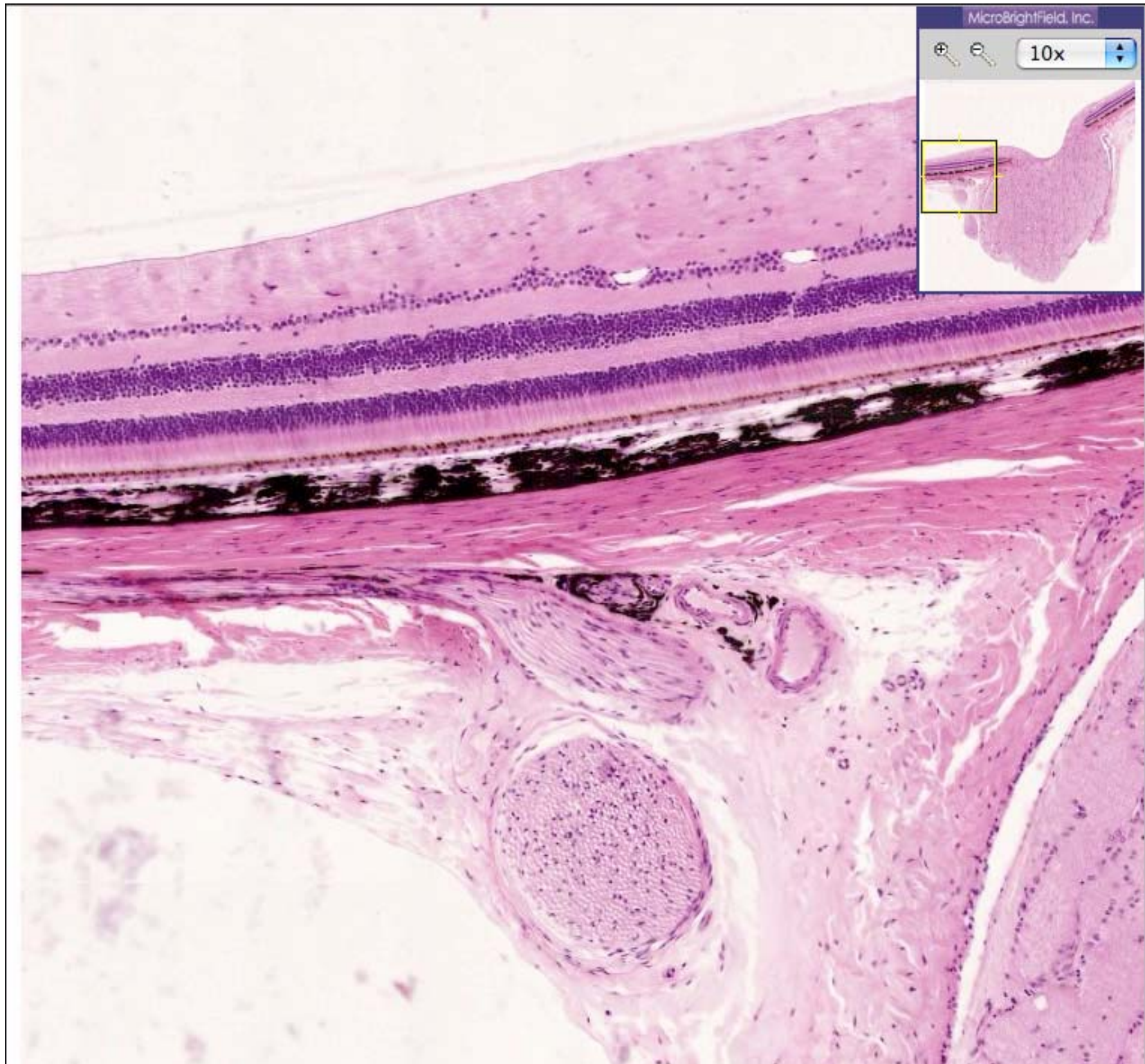
- Retina
 - Pigmented layer - dark outer layer
 - Nervous tissue layer - inner layer with 2 layers of nuclei





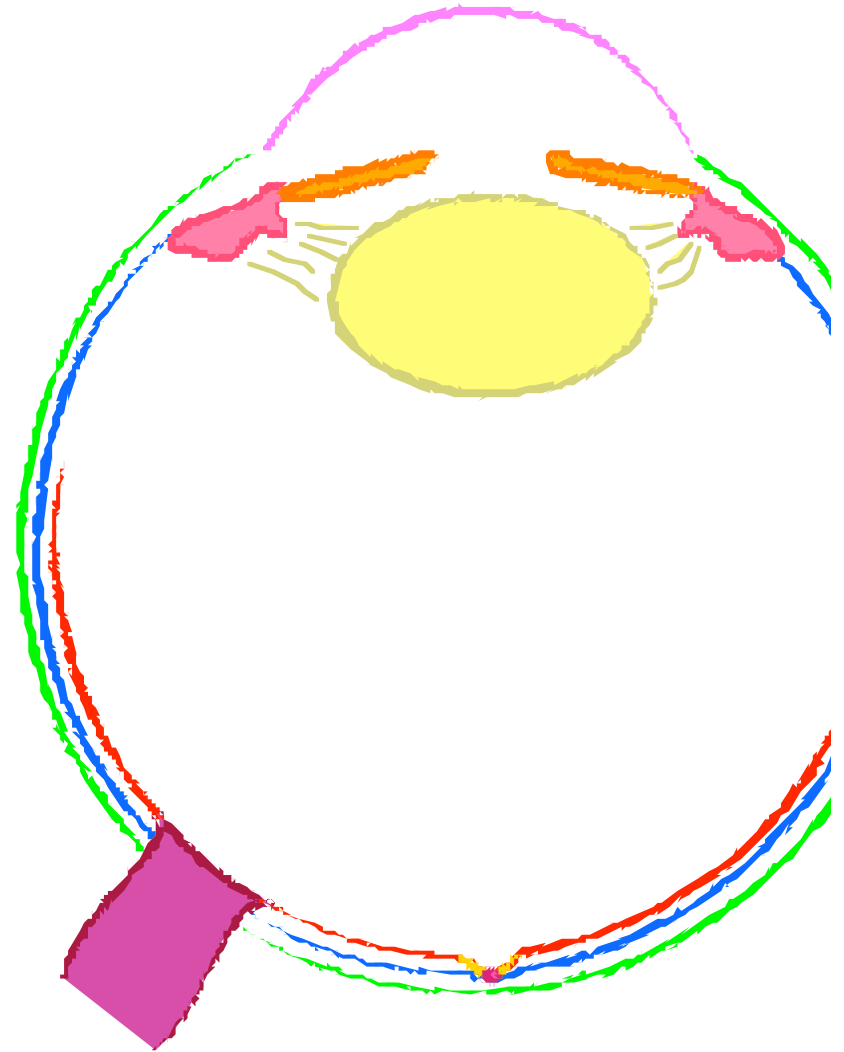






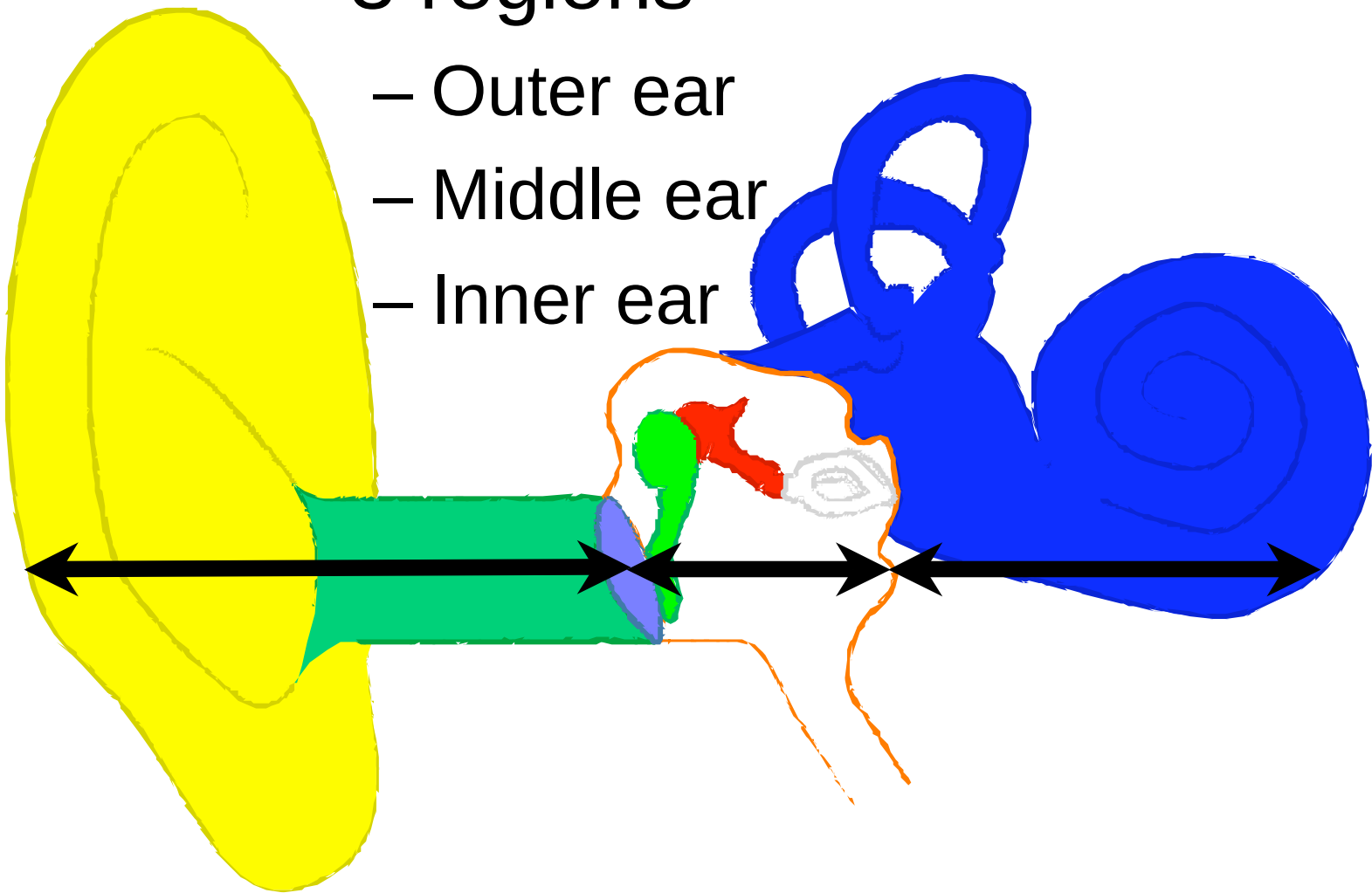
Spaces of eye

- **Anterior Cavity** - space anterior to lens
 - **Anterior Chamber** - anterior to iris
 - **Posterior Chamber** - posterior to iris
- **Posterior Cavity** - space posterior to lens



Ear

- 3 regions
 - Outer ear
 - Middle ear
 - Inner ear



Cochlea

- Spaces
 - **Scala Vestibuli** - bound by vestibular membrane
 - **Scala media (cochlear duct)** - middle space
 - **Scala Tympani** - bound by basilar membrane

