

In which layers do most axons from the lateral geniculate nucleus terminate?

Mostly layer 4

What are the connections of neurons in layers II and III?

They project to other cortical areas, on the same side and on the opposite side, via splenium of the corpus callosum

How about layers V and VI?

V=to brain stem mostly

VI=to thalamus (lateral geniculate nucleus)

What is anisocoria?

Pupillary asymmetry

Why does anisocoria occurs with lesions of the motor projection to the periphery only.

Because pretectal neurons project to Edinger-Westphal nuclei bilaterally. This way, visual input one eye only is projected to parasympathetic neurons bilaterally

What axons decussate through the posterior commissure?

Those of the pretectal nuclei

What other visual decussation is located on the midline?

The optic chiasm. Can we go for a third? You bet! The splenium of the corpus callosum