

Which limb of the internal capsule separates the head of the caudate from the putamen?

Anterior limb

How does the function of the nucleus accumbens differ from that of the putamen?

Accumbens = emotions; putamen = limb movement control and body posture

How would you distinguish the function of the ventral pallidum from that of the external segment of the globus pallidus?

Ventral pallidum = output nucleus of the limbic loop of the basal ganglia; external segment of the globus pallidus = intrinsic nucleus of the other loops

What structure divides the internal and external segments of the globus pallidus?

Medial medullary lamina

Can you tell why the plane of section in X-60 is oblique?

Optic tracts close to the midline on bottom; splenium of corpus callosum on top

What tracts contribute fibers to the thalamic fasciculus?

Lenticular fasciculus, ansa lenticularis, cerebellothalamic fibers

In addition to the striatum, where else do midbrain dopaminergic neurons project?

Prefrontal cortex

From which dopaminergic cell group does this non-striatal projection originate?

Ventral tegmental area (VTA)

Where are the target neurons located of the substantia nigra pars reticulata?

Thalamus (VA/VL; MD)