

Worksheet for lecture 12

- Draw the ventral (anterior) surface of the brainstem. Label the midbrain, pons and medulla.
- Draw outlines of cross sections of the upper midbrain lower midbrain, pons, upper medulla, lower medulla and spinal cord.
 - Indicate the position of the IV ventricle in the appropriate cross sections.
 - Draw the outline of major grey matter landmarks in each cross section. You might want to include:
 - spinal grey (dorsal horn, ventral horn and central grey)
 - dorsal column nuclei (gracilis nucleus and cuneate nucleus)
 - inferior olivary nucleus
 - basilar pontine nuclei
 - inferior colliculus
 - superior colliculus
 - red nucleus
 - substantia nigra
 - Draw the outline of major axon tracks in each cross section. You could color code ascending (sensory) tracks and descending (motor) tracks. You might want to include:
 - dorsal columns
 - spinothalamic tract
 - medial lemniscus
 - corticospinal tracts (cerebral peduncles, pyramids, decussation of the pyramids, lateral corticospinal tract, anterior corticospinal tract)
 - spino-cerebellar tracts
 - cerebellar peduncles (superior, middle and inferior)