

LAB 2 Study Aid - Brain

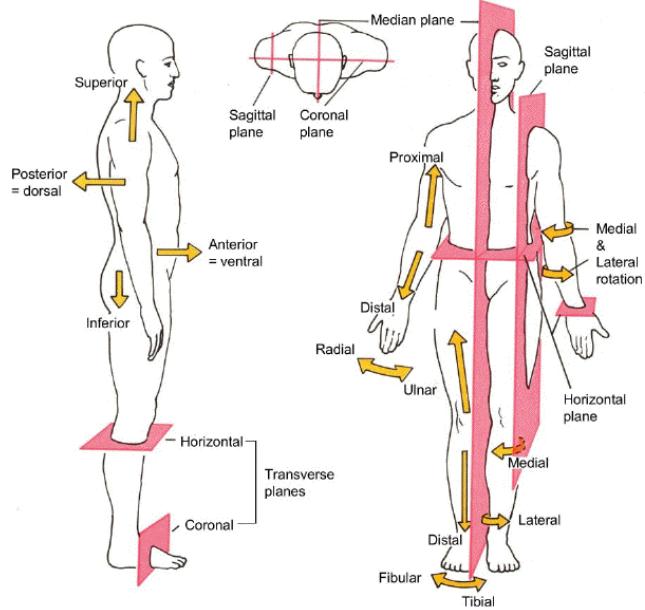
Mnemonics:

1. **Ventricle** = open/'empty' space (filled with CSF)
 - a. <https://www.youtube.com/watch?v=0jSWjOBIIUI>
 - b. <https://www.youtube.com/watch?v=Jcf273U0ktc>
2. **4th ventricle** = backwards 4
3. **Insular lobe** = 'insulated' by other lobes (hidden from view)
4. **Parietal lobe**: Parents pat on top of head
5. **Occipital lobe**: "got eyes on the back of my head"
6. **Sulci** = 'sulk' (a groove)
7. **Commissural fibers** = cross at corpus callosum (both start with C)
8. **Hypothalamus** = looks like a W (looks like an H if you squish it)
9. **Optic chiasm** = X shaped, Greek letter Chi (X) is an x (think *Chi square* test from statistics)
10. **Regarding cranial nerves: Tract** = goes to the brain | **Nerve** = comes from sensory organ
11. **Colliculi**
 - a. **Superior** = initiate visual reflexes (**eyes are above the ears**)
 - b. **Inferior** = initiate auditory reflexes (ears are **below** the eyes)
12. **Cerebral Peduncle vs. Cerebellar peduncle** == look where each type of tract is heading
13. **CRANIAL NERVE** mnemonic:
 - a. **Oh once one takes the anatomy final, very good vacations sound heavenly**
 - b. (**olfactory, optic, oculomotor, trochlear, trigeminal, abducens, facial, vestibulocochlear, glossopharyngeal, vagus, spinal accessory, hypoglossal**)
14. **NERVE CLASSIFICATION** mnemonic (**Sensory, Motor, or Both** sensory+motor):
 - a. **Some say marry money, but my brother says big business makes money**
 - b. Olfactory (S), optic (S), oculomotor (M), trochlear (M), trigeminal (B), abducens (M), facial (B), vestibulocochlear (S), glossopharyngeal (B), vagus (B), spinal accessory (M), hypoglossal (M))

Notes

1. **Basal Nuclei** = clusters of grey matter that are located deeper than white matter of Cerebrum
2. **Epithalamus** = brain structure early in development that develops into the Pineal Body and the **Choroid Plexus**
3. CAN'T see on the models (could still show up as pictures): basal nuclei, meninges, substantia nigra, red nuclei

Useful Diagram of Anatomical terms:



Tract = goes to the brain
Nerve = comes from sensory organ
 (Think optic nerve dangling from eyeball in horror film)

