

**NEUR0010**  
**Week 4 Study Guide**

**Prepared by Ronnie Li**

- 4 planes of section

- directional terms  
(anatomical references)

- layers of the meninges

Neurodevelopment  
- terms for forebrain,  
midbrain, hindbrain  
- what does each develop  
into?

- neurogenesis in the adult brain: which areas? Factors that promote/hinder it?

- Parkinson's: death of neurons in what area?

- Other diseases:  
Alzheimer's, subdural hematoma, hemorrhage, hydrocephalus

**Most important anatomical structures to recognize and be able to identify (note: this list is NOT exhaustive):**

- Lobes: frontal, parietal, temporal, occipital
- Ventricles: lateral, third, fourth
- Cerebral aqueduct
- Pons
- Medulla
- Cerebellum
- Thalamus, hypothalamus
- Tectum, tegmentum (midbrain)
- Caudate nucleus, putamen, internal capsule, globus pallidus
- Hippocampus
- Spinal cord: dorsal horn, ventral horn, intermediate zone, spinal canal