

Cornell Notes

Name Marcelle Nugent

Date 2/6/12

Topic Cerebellum

Class/ Subject Mr. Jobe Anatomy Per 4

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Parts of the Brain

Thalamus - Surrounds the third ventricle

- The relay station for sensory impulses
- Transfers impulses to the correct part of the cortex for localization and interpretation

Hypothalamus - Under the thalamus

- Helps regulate body temperature
- Controls water balance
- Regulates metabolism
- An important part of the limbic system

The pituitary gland is attached to the hypothalamus.

Epithalamus - Forms the roof of the third ventricle.

- Houses the pineal body (an endocrine gland)
- Includes the choroid plexus - forms cerebrospinal fluid.

Brain Stem - Attaches to the spinal cord.

- Parts of the brain stem:

1. Mid Brain
2. Pons
3. Medulla Oblongata

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Parts of the Brain Stem

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midbrain - mostly composed of tracts of nerve fibers

- Has two bulging fiber tracts - cerebral peduncles
- Has four rounded protusions - corpora quadrigemina
 - Reflex center for vision and hearing

Pons - The bulging center part of the brain stem

- Mostly composed of fiber tracts
- Includes nuclei involved in the control of breathing

medulla oblongata - The lowest part of the brain stem

- merges into the spinal cord
- includes important fiber tracts
- contains important control centers
 - Heart rate control
 - Blood pressure regulation

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Reticular Formation - Diffuse mass of gray matter along the brain stem

- involved in motor control of visceral organs
- Reticular activating system plays a role in awake/sleep cycles and consciousness