

## Video 1 - Overview of Central Nervous System and Cranial Nerves

- Meninges
  - Dura mater
    - Falx cerebri
  - Arachnoid mater
  - Pia mater
- Spinal cord
- Brainstem
  - Medulla oblongata
    - Medullary pyramids
    - Inferior olives
    - Inferior cerebellar peduncle (obscured)
  - Pons
    - Middle cerebellar peduncles
  - Cerebellum
  - Midbrain
    - Tectum
      - Superior colliculi (visual)
      - Inferior colliculi (hearing)
    - Tegmentum
      - Cerebral peduncles
  - Thalamus (not yet visible)
- Cerebral hemispheres/Brain

### Cranial Nerves

- Telencephalon
  - Cranial Nerve I, The olfactory nerve
    - Olfactory bulbs
    - Olfactory tract
    - Medial and lateral olfactory stria
- Diencephalon/Hypothalamic Area
  - Cranial Nerve II, The optic nerve
    - Optic chiasm
    - Optic tracts
    - Not part of CN II but may also be visible nearby
      - Pituitary infundibulum
      - Mammillary bodies of hypothalamus
- Midbrain
  - Cranial Nerve III, The oculomotor nerve
  - Cranial Nerve IV, The trochlear nerve
- Pons
  - Cranial Nerve V, The trigeminal nerve
- Pontomedullary juncture
  - Cranial Nerve VI, The abducens nerve
  - Cranial Nerve VII, the facial nerve
    - Nervus intermedius

- Cranial Nerve VIII, The vestibulocochlear nerve
- Lateral medulla
  - Cranial Nerve IX, The glossopharyngeal nerve
  - Cranial Nerve X, The vagus nerves
- Spinal Cord
  - Cranial Nerve XI, the accessory nerve
- Anterior medulla
  - Cranial Nerve XII, the hypoglossal nerve