

CNS 5 NORMAL BRAIN LEFT HEMISPHERE

GROSS

- Left cerebral hemisphere showing the frontal lobe, parietal lobe, temporal lobe and occipital lobe

SALIENT FEATURES:

Blood supply

- Blood is carried to the brain by **two paired arteries**, the internal carotid arteries and the vertebral arteries
- The **internal carotid arteries** supply most of the cerebrum.

Fixation of Brain:

- For complete examination of the brain, it is fixed in **10 percent formalin for one week**.
- In foetuses and infants, **acetic acid may be added to formalin** which makes the tissues firmer.
- The **weight** of the brain is increased by about **8% due to fixation** in formalin.

Normal weight of BRAIN : 1400 grams (males); 1275 grams (females); 22% body weight

