Gyrus rectus

The gyrus rectus (or straight rectus) is located inferomedially on the frontal lobe. Its function is unclear but it may be involved in higher cognitive function (e.g. personality).

**Gross anatomy**

The gyrus rectus is bounded medially by the great longitudinal fissure and laterally by the olfactory sulcus which separates it from the medial orbital gyrus. It is continuous with the superior frontal gyrus anteriorly.

**Relations**

- anteriorly - anterior cranial fossa floor
- superiorly - superior rostral sulcus of Eberstaller
- inferolaterally - olfactory bulbs
- posteriorly - anterior perforated substance and optic chiasm

Lateral - olfactory sulcus

Sometimes a partial resection of the gyrus rectus is often required in cases of high-positioned anterior cerebral artery aneurysms.