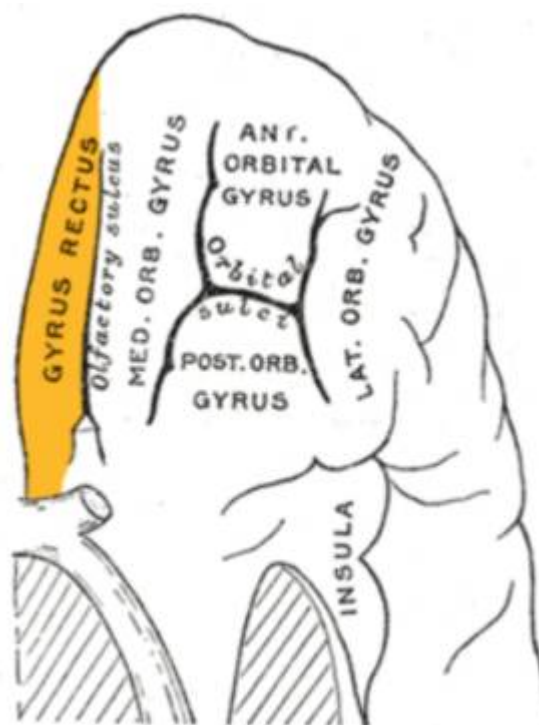


Gyrus rectus



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.

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