S

Splenium

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Definition

Term for the bulbous, posterior portion of the corpus callosum which lies above the quadrigeminal cistern. This portion of the corpus callosum is supplied by the posterior cerebral artery and consists of commissural fibers interconnecting the posterior parietal, posterior

temporal and occipital cortices. Lesions in this area are associated with the well-known neurobehavioral disconnection syndrome of *alexia without agraphia*. This syndrome can result from infarction of the left posterior cerebral artery. Here, in addition to suffering a right homonymous hemianopia (secondary to left occipital lobe infarction), visual input (i.e., written words) to posterior language area of the left hemisphere from the intact right occipital lobe is disrupted by the infarction of the splenium.

Cross-References

► [Alexia Without Agraphia](#)