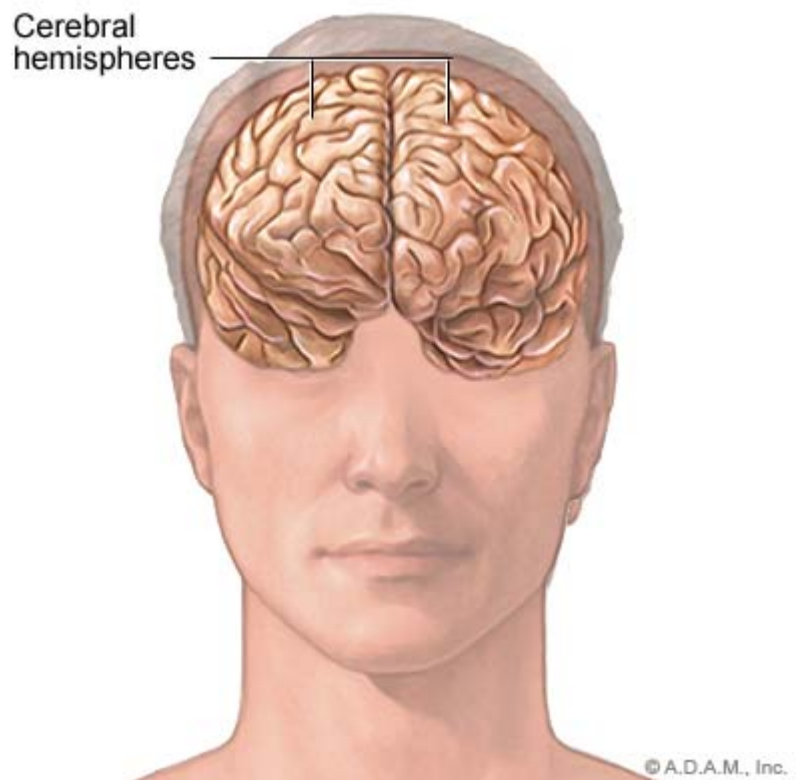


Cerebral hemisphere

The [brain](#) is formed by two cerebral hemispheres that are separated by a groove, the [medial longitudinal fissure](#). The brain can thus be described as being divided into left and right cerebral hemispheres.



Each of these hemispheres has an outer layer of [grey matter](#), the [cerebral cortex](#), that is supported by an inner layer of [white matter](#). In eutherian (placental) mammals, the hemispheres are linked by the [corpus callosum](#), a very large bundle of nerve fibers. Smaller commissures, including the [anterior commissure](#), the posterior commissure and the hippocampal commissure also join the hemispheres and these are also present in other vertebrates. These commissures transfer information between the two hemispheres to coordinate localized functions.

see [Left hemisphere](#).

see [Right hemisphere](#).

[Dominant hemisphere](#)

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