

Mesiotemporal region

The term mesiotemporal refers to the medial (inner) part of the brain's [temporal lobe](#). This region includes several key structures involved in memory and emotion, such as:

The [hippocampus](#) is essential for [memory](#) formation.

The [amygdala](#), involved in emotion processing.

The [parahippocampal gyrus](#), important for memory encoding and retrieval.

The [entorhinal cortex](#) acts as a hub between the hippocampus and the neocortex.

The mesiotemporal region is often discussed in the context of temporal lobe epilepsy, Alzheimer's disease, and memory disorders due to its critical role in cognitive functions.

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Last update: **2025/05/09 16:19**

