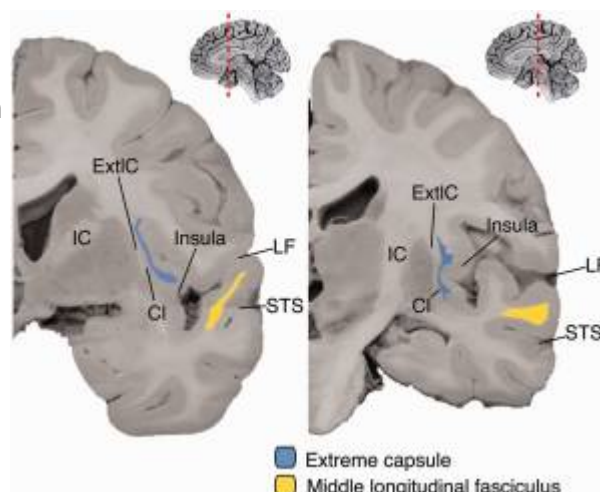


Extreme capsule

The extreme capsule (Latin: capsula extrema) is a long association fiber pathway of white matter in the brain that provides bidirectional communication between such areas as the **claustrum** and the **insular cortex**, and the **inferior frontal gyrus** (Broca's area) and the middle-posterior portion of the **superior temporal gyrus** (Wernicke's area).



Its fibers are near to but can be distinguished by MRI tractography from adjacent fiber bundles such as the **uncinate fasciculus**, the external capsule, the arcuate fascicle, and the medial, inferior and **superior longitudinal fasciculus**.

Given its bidirectional connection between the Broca's and Wernicke's speech areas it could have a role in language.

It is most easily visible in a horizontal section, just lateral to the claustrum.

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