

Dorsal inferior frontooccipital fasciculus

The use of [subcortical electrostimulation](#) allowed identification of the specific [white matter tracts](#) associated with reading and writing. These tracts were found as portions of the dorsal [inferior frontooccipital fascicle](#) (IFOF) fibers in the deep [parietal lobe](#) that are responsible for connecting the [frontal lobe](#) to the [superior parietal lobule](#). These findings are consistent with previous [diffusion tensor imaging tractography](#) and [functional MRI](#) studies, which suggest that the IFOF may play a role in the reading and writing processes ¹⁾.

¹⁾

Motomura K, Fujii M, Maesawa S, Kuramitsu S, Natsume A, Wakabayashi T. Association of dorsal inferior frontooccipital fasciculus fibers in the deep parietal lobe with both reading and writing processes: a brain mapping study. J Neurosurg. 2014 Mar 21. [Epub ahead of print] PubMed PMID: 24655122.

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Last update: **2024/06/07 02:51**

