

Inferior thalamic peduncle

A large fiber bundle emerging from the anterior part of the [thalamus](#) in the anterior and rostral direction, in part joining the medial fibers of the [internal capsule](#), and in part curving laterally around the medial margin of the capsule into the [innominate substance](#). Many of its fibers establish a reciprocal connection of the mediodorsal nucleus of the thalamus with the orbital gyri of the frontal lobe, but numerous other fibers constitute a conduction system from the amygdala and olfactory cortex to the mediodorsal nucleus.

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Last update: **2024/06/07 02:53**

