

Transventricular approach

The [transventricular approach](#) through a [transcortical approach](#) or a [transcallosal approach](#) allows access to the [third ventricle](#) with transforaminal, subchoroidal, or transforamian approaches. The usefulness of these approaches have been reported for intraventricular tumor removal ^{1) 2) 3) 4)} but there is a risk of injuries to the surrounding neuronal or vascular structures, such as the body of the [fornix](#).

In 1958, Niemeyer described a more selective [approach](#) to the [hippocampus](#) and [amygdala](#) through the [middle temporal gyrus](#) ⁵⁾.

Transventricular preforniceal approach

see [Transventricular preforniceal approach](#)

1)

Chamoun R, Couldwell WT. Transcortical-transforaminal microscopic approach for purely intraventricular craniopharyngioma. Neurosurg Focus. 2013;34(1 Suppl) Video 4.

2)

Danaila L, Radoi M. Surgery of tumors of the third ventricle region. Chirurgia (Bucur) 2013;108:456-62.

3)

Liu JK. Interhemispheric transcallosal approach for resection of intraventricular central neurocytoma. Neurosurg Focus. 2013;34(1 Suppl) Video 3

4)

Tomasello F, Cardali S, Angileri FF, Conti A. Transcallosal approach to third ventricle tumors: How I do it. Acta Neurochir. 2013;155:1031-4

5)

Niemeyer P, Baldwin M, Bailey P. The [transventricular amygdala-hippocampectomy](#) in [temporal lobe epilepsy](#). In: Temporal Lobe Epilepsy. Springfield: Charles C Thomas; 1958:461-482

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