

# **Surgical 3D Anatomy Of Transcondylar Approach For Surgical Treatment Of Brain Tumors**

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## **Objective:**

Improvement of surgical tumor treatment outcome.

## **Materials And Methods:**

We have conducted an anatomic research of surgical approaches on cadaver specimen with silicone injected arteries and veins. Clinical cases are presented with 23 patients who underwent surgical treatment of CVJ tumors using this approach.

## **Results:**

The results of a study of the surgical anatomy of transcondylar approach are presented. It is demonstrated that for a better access we need to perform a transposition of vertebral artery. According to the study, patients underwent transcondylar approach with transposition of vertebral artery and jugular tubercle removal in a seated or recumbent position, which allowed to radically remove the tumors with no neurological deficits.

## **Conclusion:**

Transcondylar approach with transpositioning of vertebral artery is an alternative method of treatment of ventral craniovertebral tumors.