

## From Multiple Conflicts To No Conflict In Trigeminal Neuralgia

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### **Purpose**

The trigeminal neuralgia caused by neurovascular compression is a neurosurgical pathology and requires preoperative identification as exact as possible of the neurovascular conflict. However, there are some cases in which the vascular conflict is missing, even in surgery. The aim of this paper is to review some of the conflicts of no conflicts that occur in this pathology.

### **Material and Methods**

Patients included underwent brain Magnetic Resonance Imaging (MRI) with positive clinical diagnoses of trigeminal neuralgia. We isolated these patients in 3 groups, one with multiple vascular conflicts, regardless of arterial or venous; one with only 1 conflict, venous or arterial; one with no conflict whatsoever but all the clinical symptoms. All patients were operated and microvascular dissection was performed in a standard manner. Intraoperative findings recorded included the presence of compression and the vessel(s) causing the compression and the presence of adhesions and no vascular conflict. All patients were followed up in the outpatient clinic.

### **Results**

Several techniques that could be used during microvascular decompression for trigeminal neuralgia in the absence of neurovascular conflict have been described. The success rates of these techniques, pain recurrence rates and rates of complications are also reported, as to the experience of our department regarding this type of pathology.

### **Conclusion**

We aimed to compare our center experience with results from the literature. There is no gold standard, but several techniques could be successfully used in the absence of neurovascular conflict.