

# Điều trị đau dây V bằng phẫu thuật - kết quả tại Bệnh viện Xanh Pôn

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## ABSTRACT

**Microvascular decompression surgery for trigeminal neuralgia: An experience of a single-center**

**Objectives:** This study reviewed the clinical features, MRI imaging, and the outcome of microvascular decompression in the treatment of trigeminal neuralgia.

**Background:** Microvascular decompression procedure (Janetta technique) effectively relieves symptoms in trigeminal neuralgia due to the conflict between the Vth nerve and artery.

**Methods:** During a two-year period, 57 patients with trigeminal neuralgia caused by the vascular compression of the trigeminal nerve were treated by microvascular decompression and are the subject of this study. All of the patients were performed by retrosigmoid approach at the

Department of Neurosurgery - Saint Paul Hospital (Hanoi - Vietnam).

**Results:** Our research consisted of 20 male and 37 female patients, with 78,9% of cases are over of 50-year-old. The most frequent area of distribution is V2-V3. With the 3D T2W SPACE sequence in 3-Telsa MRI, the superior cerebellar artery (SCA) is the most common cause of the compression. A neuro-patch was placed between the artery and the compressed nerve. The excellent outcome (pain relief without any treatment) are 91,3% at the discharge. There were no recurrences after 2 years of follow-up. The complications included meningitis (1 patient), and CSF leakage (1 patient).

**Conclusions:** Microvascular decompression via the retrosigmoid approach is the best surgical technique for treating trigeminal neuralgia caused by the compression.