

Vasculo-Nervous Conflict of the Pontocerebellous Angle Revealed by a Hemiface Spasm

Belhaj N^{1,3*}, Rahim H¹, Ait Taleb Oumhand H², Bencheikh R², Benbouzid MA², Essakalli L²

¹Resident physician in otorhinolaryngology, Department of Otorhinolaryngology, Head and Neck Surgery, Ibn Sina University Hospital, Rabat, Morocco

²Professor of otorhinolaryngology, Department of Otorhinolaryngology, Head and Neck Surgery, Ibn Sina University Hospital, Rabat, Morocco

³Faculty of Medicine and Pharmacy of Rabat, Mohammed V University, Rabat, Morocco

DOI: [10.36347/sjmcr.2020.v08i04.015](https://doi.org/10.36347/sjmcr.2020.v08i04.015)

| Received: 11.04.2020 | Accepted: 18.04.2020 | Published: 21.04.2020

*Corresponding author: Belhaj Najoua

Abstract

Case Report

Facial hemispasm is secondary to neuro-conflict vascular in the majority of cases; a lesion of the posterior fossa is rarely involved. MRI, thanks to volume sequences and angio-MRI, proves this. We report in this work, the observation of a patient who consulted for hemiface spasm in the radiological assessment is reported to have shown a vasculonervous conflict.

Keywords: Vasculo-Nervous Pontocerebellous Hemiface Spasm.

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INTRODUCTION

Neurovascular conflicts of the ponto-cerebellar angle involving the facial nerve are quite rare. The nature of nerve compression is arterial in 87% and mainly from the antero-inferior cerebellar artery. The effect induced by the vascular beat against the wall of the nerve locally modifies the histology and physiological behavior of the latter. We propose from this work to specify the clinical and radiological particularities of this pathology.

CASE REPORT

We report in this work 'observation of a 61-year-old patient with no pathological history, who

presented for two months before his consultation the installation of a spasm of the left hemiface without other associated signs. The otological cochleovestibular clinical examination, are normal. The neurological examination did not find a sensory deficit motor, or cranial pair paralysis.

The clinical examination was supplemented by a biological assessment income normal, the additional imaging, brain scanner income normal, resonance imaging magnetic shows a crossing of the left AICA with the left facial nerve located at 6mm from its apparent origin and on the right side a visible crossover at 7mm from its origin (figure 1.2).

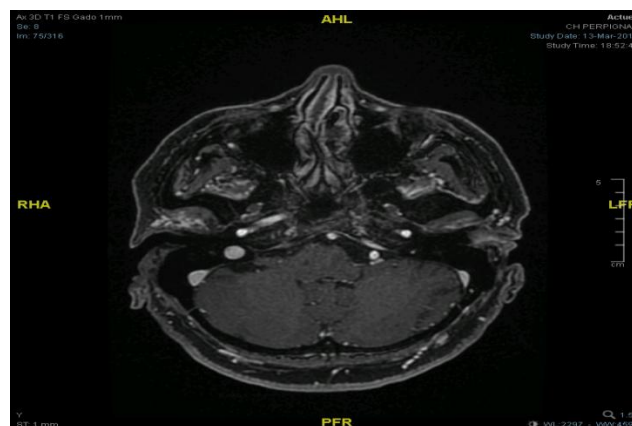


Fig-1 : irm axial sections T1 injected showing the vascular and nervous conflict

CONCLUSION

Imaging remains the essential element for the diagnosis of the vascular and nervous conflict of the ponto-cerebellar angle, and this by objectifying the deformation of the nerve and the orthogonal path of the vessel with respect to the nerve path.

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