



INTRA PAROTID PLEXIFORM NEUROFIBROMA IN A CHILD WITH GLOBAL DEVELOPMENTAL DELAY A RARE ASSOCIATION

Dr Lavanya T*

Postgraduate *Corresponding Author

Dr Noorulla. A. M

Senior Resident KIMS

Dr Athulp J.

Assistant Professor KIMS

ABSTRACT

These are extremely rare benign neoplasms, difficult to diagnose. Very few pediatric cases have been reported in the literature. It is a benign tumor that tends to occur in patients suffering from neurofibromatosis type 1. This report addresses a rare case where the tumor affected the parotid gland, deriving from the peripheral portion of the facial nerve. A 2-year-old child who is a known case of Global developmental delay was referred to us complaining about a gradually enlarging swelling over the right parotid area since birth with occasional bloody discharge from right ear led us to perform imaging, localized the lesion to the superficial lobe of parotid gland, and Right parotid biopsy suggested Benign spindle cell neoplasm, favour plexiform neurofibroma.

KEYWORDS : Intraparotid, Facial Nerve, Neoplasms, Plexiform, Rare,

INTRODUCTION

Intraparotid facial nerve neurofibromas are extremely rare benign neoplasms difficult to diagnose, manage and treat. Very few pediatric cases have been reported in the literature.



Figure ; Child with Intraparotid Tumor and MRI Images

Case Study

A 2-year-old female child who is a known case of global developmental delay was referred to us with a history of gradually progressive swelling over the right parotid area since birth and occasional bloody discharge from right ear since 1 month, which led us to perform imaging studies and localized the lesion to the superficial lobe of the parotid gland. The surgical exploration found the tumor attached to the sheath of the facial nerve. The excision of the mass was performed. The pathological study suggested a benign spindle cell neoplasm in favour of plexiform neurofibroma.

CONCLUSIONS

Even though plexiform neurofibromas in the parotid are extremely rare and their diagnosis is not often primarily evoked in front of any growing mass of this region, we must keep in mind the existence of these neoplasms as a differential diagnosis which needs a multidisciplinary treatment approach.

REFERENCES

1. Adil Lekhbal, Hicham Lyoubi, Omar Wiyadi et al. Intraparotid facial nerve plexiform neurofibroma in a child (case report). *Annals of medicine and surgery* 55 (2020) 9-12
2. Sarantis Blioukas, Sotiris Sotiriou, Katerina Rizou, et al. An exceptional case of Intraparotid plexiform neurofibroma originating from autonomic fibers of the Auriculotemporal Nerve, *Hindawi case report in medicine* volume 2017