**MULTIFOCAL SCHWANNOMAS IN PAROTID GLAND AND ABDOMINAL WALL IN A PEDIATRIC PATIENT**

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**BACKGROUND:** Schwannoma is a benign and encapsulated tumor that derives from the nerve sheath of Schwann cells. The onset is predominantly after the 4th decade of life in adults. By comparison, the incidence is extremely rare in pediatric population. This tumor can compress the nerve of origin and cause symptoms, such as hearing loss in the vestibular schwannoma associated with inherited neurofibromatosis. Sporadic schwannomas have been identified in multiple loci, such as head and neck, retroperitoneum, and gastrointestinal tract. However, they are generally solitary and rarely multifocal.

**METHODS:** Computed tomography (CT), magnetic resonance imaging (MRI), histopathology

**RESULTS:** In this study we reported a 15-year-old female pediatric patient who presented with two highly-vascularized masses in the left parotid gland and anterior abdominal wall. The masses were excised and histopathology showed that both masses were benign schwannomas. There were no other significant abnormalities. MRI of the brain was negative for vestibular schwannoma, ruling out neurofibromatosis type 2. Two rare schwannomas presenting simultaneously in the same patient was an unusual event. Genetic test of neurofibromatosis was negative. 1-year follow up did not show any significant recurrence of the tumor or symptomatic changes.

**CONCLUSIONS:** We have reported and characterized the first identified case of multifocal schwannomas in the parotid gland and abdominal wall in a pediatric patient. Further study of this patient may lead to a novel disease model for sporadic nerve sheath tumors.

**CONTENT CATEGORY:** Clinical science (case report)

**KEYWORDS:** *schwannoma, multifocal, parotid gland, abdominal wall, pediatrics*