

Uncommon leiomyoma of the left inferior turbinate: A rare tumour in the nasopharynx

Teoh Bernard Kok Haur¹, Kho Jasmine Pei Ying¹, Goh Shanny², Tang Ing Ping^{1,3}

¹Department of Otorhinolaryngology, Sarawak General Hospital, Kuching, Sarawak, ²Department of Pathology, Sarawak General Hospital, Kuching, Sarawak, ³Department of Otorhinolaryngology, Faculty of Medicine and Health Sciences, University Malaysia Sarawak (UNIMAS), Kota Samarahan, Sarawak

ABSTRACT

Introduction: Leiomyomas are rare, benign smooth muscle tumours infrequently diagnosed in the nasal cavity and paranasal sinuses. These unique growths present a clinical challenge due to their uncommon occurrence in the nasopharynx and their distinct nature. This case report aims to shed light on the atypical presentation of leiomyomas in the nasal cavity and the appropriate management. **Case Description:** A 55-year-old gentleman presented with recurrent epistaxis for 2 weeks. He had a history of intermittent episodes of epistaxis for the past 5 years. Physical examination of the nose via rigid direct nasal endoscopy revealed an irregular mass with contact bleeding arising from the left nasal inferior turbinate. The patient underwent left inferior turbinectomy via endoscopic endonasal surgery. Histopathologic examination of the left nasal inferior turbinate showed a spindle cell tumour with smooth muscle differentiation suggestive of leiomyoma. The spindle cells are immunoreactive with Caldesmon and Smooth Muscle Actin (SMA) which suggests smooth muscle differentiation. The patient recovered well and had no evidence of recurrence during the 2 months follow-up. **Conclusion:** Sinonasal leiomyomas are uncommon. Diagnosis is achieved through histological and immunohistochemistry examinations. The main management is total resection with clear margins to prevent the risk of local recurrence and ensure optimal patient outcomes.