

## PICTORIAL

## CENTRAL NEUROTHAKEOMA OF MANDIBLE

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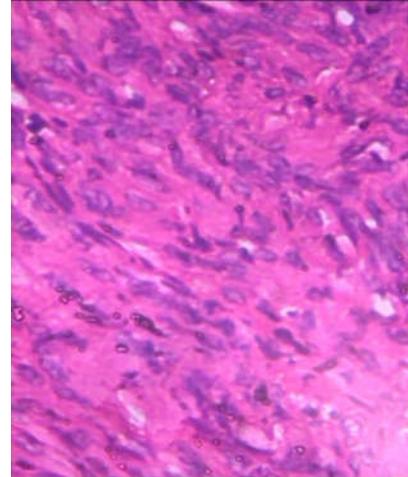
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Swelling on the lower left back region of the jaw



CT Scan with 3D reconstruction



Thin Spindle shaped cells with variable amount of myxoid stroma (Hematoxylin and Eosin stain 40X)

J Ayub Med Coll Abbottabad 2015;27(3):744

A Sixty year old lady presented to the Department of Oral medicine and Radiology with the chief complain of asymptomatic swelling in the left back region of the lower jaw of two years duration. Both the past medical history and systemic signs are not relevant with the case. Extraoral examination did not reveal any abnormality. Intra oral examination revealed a hard swelling on the left side of the alveolar region of the posterior mandible. The three dimensional computed tomography demonstrated a large well defined homogenous attenuated soft tissue density lesion of approximately 54×46×44 mm. Lesion producing a mass effect over adjacent tongue and musculature. Provisional diagnosis of ameloblastoma was made. Excision of the lesion under local anaesthesia was done and the growth was easily malleted out. The histopathological diagnosis of central/ Intra osseous neurothakeoma was given. Post operative follow up of the patient is uneventful.

Neurothekeoma (NTK) is an uncommon benign tumor of nerve sheath origin. On the basis of the amount of myxoid content it is classified into classical, mixed and cellular variants.<sup>1</sup> Intra-osseous nerothakeoma of the jaw is very rare and according to our best knowledge only two cases have been reported previously. Neurothekeoma is not a highly recurrent tumor. Complete excision, in a conservative way is believed to be curative, as reported for the dermal counterpart. Little is known or has been reported over the biologic behavior of this tumor when occurring in an intraosseous site. Consequently, the best treatment options and subsequent prognosis for the present case are not known.

## REFERENCES

1. Bajpai M, Rahman F, Girish KL, Pardhe N. Neurothekeoma of Gingiva in a Pediatric Patient: Report of a Case and Literature Review. Oral Maxillofac Pathol J 2015;6(1):575-7.

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