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Clinical indicators in the diagnosis of orofacial non-odontogenic tumours

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Objective: This study was aimed at determining the clinical features of non-odontogenic tumours which are helpful as indicators in the diagnosis of malignant and non-malignant non-odontogenic orofacial tumours.

Study design: This was a prospective study performed on patients with swellings in the oral and maxillofacial region clinically suspicious of being tumours of non-odontogenic origin in the University of Benin Teaching Hospital, Benin City, Nigeria. The statistical variables that were analyzed include patients' biodata, clinical features including the radiological features and the histopathological diagnosis of the lesions. The level of significance was set at $p < 0.05$. Inferential analysis was done using Student's t-test and Chi-square, binary logistic regression and adjusted odds ratio as appropriate.

Results: Among the 40 patients histopathologically diagnosed as non-odontogenic tumours, 25 (62.5%) were females and 15 (37.5%) were males. Histological features showed three different categories: Benign, reactive and malignant lesions. The growth rate was observed to be significantly associated with the histological diagnosis of the non-odontogenic tumours.

Conclusion: This study showed that non-odontogenic tumours occur mostly in younger patients with a female preponderance. The mandible and the preauricular sites were the commonest solitary sites. Lymphadenopathy and non-mobility of the swellings were strong clinical indicators for malignant non-odontogenic tumours.

Biography

D.S Okoh graduated from the University of Benin in 2002 with a BDS degree. He completed his postgraduate residency training in Oral pathology in 2014 and he's a fellow of the West African College of Surgeons (FWACS). Presently, he is a Consultant Oral Pathologist in the University of Calabar Teaching Hospital, Cross River State, Nigeria and a lecturer in the School of Dentistry, College of Medical Sciences, University of Calabar, Nigeria.

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