

The Prevalence of Inflammatory and Developmental Odontogenic Cysts in a Libyan Population

Orafi H. El Gehani R, Krishnan B ,
Department of Oral and Maxillofacial Surgery, Faculty of Dentistry, Benghazi,
Libya

ABSTRACT

Objective- The aim of this study was to determine the prevalence of odontogenic jaw cysts in a Libyan population and to compare the data with previously published reports from other countries.

Materials and methods- We retrieved and analyzed 2190 case notes and biopsy records of the Department of Oral and Maxillofacial Surgery and the Department of Oral Pathology and

Microbiology, Al Arab Medical Sciences University, Benghazi, Libya, dating from January 1990 to

December 2005. There were 326 cases (14.8%) of diagnosed odontogenic cysts among the 2190

biopsies performed during this period. The cases were analyzed for age and sex distribution, site of

presentation, association with impacted teeth, and the method of treatment.

Results- The male to female ratio of patients was 1.3:1. Radicular cysts accounted for 222 cases (68.1%), followed by dentigerous cysts (n=49, 15%) and odontogenickeratocysts (n=43, 14.1%). Mean ages of the patients were, respectively, 31.7, 22.7 and 36.1 years. . The maxilla was more commonly involved than the mandible (1.3:1). The anterior maxilla was the commonest site (n=132, 37.4%) followed by the posterior mandible (n=96, 29.4%). Fifty three cases were associated with impacted teeth, and the highest frequency was for dentigerous cysts (n=37). Enucleation and curettage was performed on 300 patients, marsupialization on 14, and marginal/segmental resection on 12.

Conclusion- To our knowledge, this is the first such study on a Libyan population. Our results are comparable to studies from other countries. Knowledge of the relative frequencies and sites of presentation of odontogenic cysts in different ethno-geographic backgrounds is essential for the early diagnosis and management of these benign yet potentially destructive lesions

It is a great honor for the scientific committee to welcome you to the 3rd scientific day of dental school, Benghazi, Libya.

Despite the challenges that our city Benghazi is going through, we have managed to achieve the 3rd scientific day that will cover and discuss the important scientific problems and papers with updates of different subjects and topics in the field of dentistry. Our aim is to achieve every possible benefit for general practitioners and specialists.

I would like to thank all the organizers and participators for their effort.

I wish you a successful meeting

Sincerely

Prof. Salma Mahfoud

Chairman of organizing committee