

Calcifying Odontogenic Cysts: A 20-year Retrospective Clinical and Radiological Review

Chané Nel · Liam Robinson · Ana LOC Roza · Pablo A Vargas · Christoffel J Nortjé · Willie FP van Heerden



Faculty of Health Sciences
Fakulteit Gesondheidswetenskappe
Lefapha la Disaense tša Maphelo

Background and Objectives

Calcifying odontogenic cysts (COCs) exhibit diverse clinical behaviours and may be associated with other benign odontogenic tumours. In this study, the clinical and radiological features of COCs were analysed with emphasis placed on cases exhibiting atypical or aggressive radiological appearances.

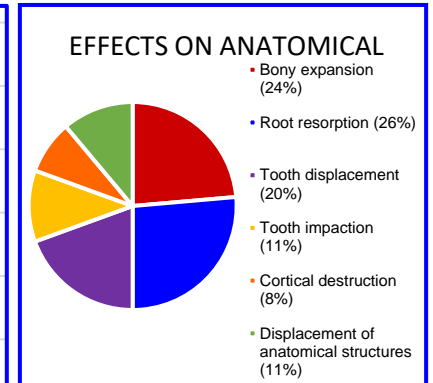
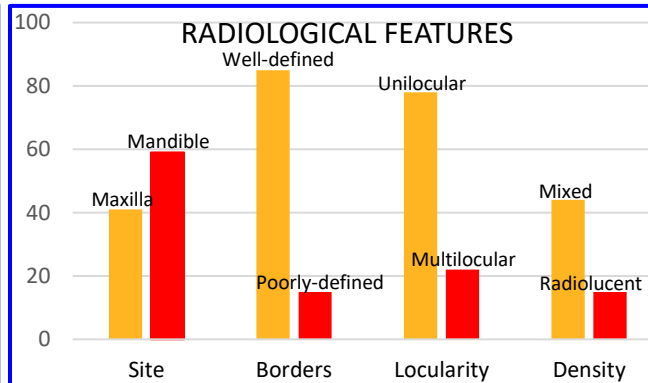
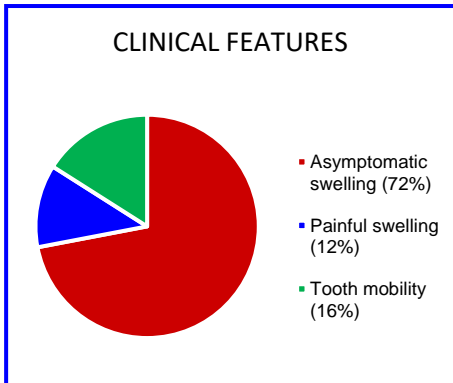
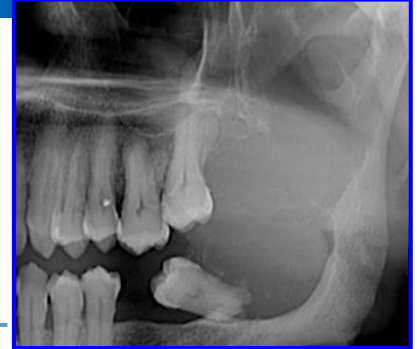
Materials and Methods

Histologically confirmed cases of COC were retrospectively reviewed in a 20-year period from three tertiary institutions.

Results

Twenty-seven cases of COCs were included in the study presenting at a mean age of 29 years. The sample included an almost equal gender distribution with a 1.3:1 male-to-female ratio.

Internal calcifications were noted radiologically in 56% of cases. Additionally, COCs were seen in association with odontomas in 6 cases.



Conclusion

Given the fact that COCs may present with a spectrum of clinicoradiological presentations, the academic debate regarding the cystic versus neoplastic nature of the entity is justifiable.

