

Mandibular Condensing Osteitis (CO): Case Series with Literature Review

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ABSTRACT

Introduction and Background: The current study aimed to report institutional case series as well as to update Saudi community prevalence statistics for condensing osteitis and its management. In the same population, differential diagnosis with other similar patterns such as idiopathic sclerosis (IS) and hypercementosis (HC) was compared.

Materials and Methods: A retrospective cohort analysis of patients diagnosed with condensing osteitis between 2016 and 2023 at Taibah University was performed. Data on clinical, radiological, pathological, and Odontogenic causes have been collected. Patient demographic information was also examined, and a literature review was carried out to identify comparable cases.

Results: 45 adult female patients with mean age of 26.4 ± 8.2 were diagnosed with condensing osteitis and this was confirmed by clinical, radiological, and pathological examinations. Related remaining roots to the lesion could be extracted normally in all cases. This condition requires no further treatment, and patient observation during routine follow-up is advised.

Conclusions: We could conclude that condensing osteitis is not uncommon among adult female dental patients in Saudi Arabia, and clinical documentation of its characteristics is required. Future research is needed to identify hidden causes and for genetic predictions.

Keywords: *condensing; osteitis; mandible; female*

Bahrain Med Bull 2024; 46 (4): 2548-2554

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