



**EVALUATION OF DENTAL ANOMALIES IN PERMANENT DENTITION AS  
A PART OF CLEFT SPECTRUM- A RADIOGRAPHIC RETRO-  
PROSPECTIVE STUDY**

by

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## **Abstract**

**Objective:** The aim of our study was to investigate radiographically the prevalence of dental anomalies in cleft patients.

**Material and method:** This is a retrospective review of panoramic radiographs of 200 subjects with cleft lip and/or palate that were evaluated from their file records and investigated for possible dental anomalies.

**Results:** Dental anomalies were found frequently in cleft lip and/or palate subjects. Missing teeth were found in 64 patients; the tooth most commonly missing was the maxillary lateral incisor. Supernumerary teeth were found in 3 patients; 27 had microdontia; structural anomalies were seen in 3 patients. 52% of the individuals had at least one dental anomaly.

The most common dental anomaly was found to be tooth agenesis (33% of individuals) followed by microdontia (12% of individuals), supernumerary teeth (1.5% of individuals), taurodontism (1% of individuals), fusion (0.5% of individuals).

**Conclusion:** This study emphasized the relation of cleft lip and/or palate to all dental anomalies studied. The severity of dental anomaly was found to dependent on the severity of cleft. The dental anomalies occurred predominantly in the cleft area, thus suggesting that the effect of the cleft disturbance is more local than general on the dentition.

**Key Words:** *dental anomaly, microdontia, oral clefts, supernumerary teeth, tooth agenesis.*