

Prevalence of impacted maxillary canines among RAKCODS patients

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Abstract

Background: Upper canines are the second most teeth to be impacted and not erupt into the oral cavity. Therefore, by calculating the prevalence of their impaction and their association with other dental abnormalities, steps could be done in educating the population about preventive procedures and treatment options.

Aim: The aim of this study was to quantify the prevalence of impacted maxillary canines and identify any associations with other dental anomalies.

Materials and Methods: 8243 OPGs of patients who attended RAKCODS clinic in the period of 5 years were examined and then classified according to gender, site of impaction, and the presence of any associated dental anomalies then descriptive statistics was done and the prevalence of maxillary canine impaction was calculated.

Results: Out of the 8243 radiographs that were examined 146 cases had maxillary canine impactions. Of those cases 77 % were male patients versus 23% female patients. Therefore, making the male to female ratio almost 3 to 1. Also, as for the impaction cases that had associated dental anomalies, those were found to be 36 cases, representing 25% of the Impaction cases. Various Dental anomalies were observed in the participants radiographs, such as; Peg Shaped laterals, impacted lower Right canines, Supernumerary teeth, Odontoma, Multiple Impacted upper and lower teeth, impacted premolars and Retained primary teeth.

Conclusion: Patient with canine impaction had a higher tendency for dental anomalies and this might help in early diagnosis.

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Biography

Huda Abutayyem completed her Ph. D in Clinical Orthodontics from Eastman Dental Institute, UCL London, U.K. She is an experienced academician and specialist

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