

Abstract:**Evaluation of Prevalence of Impacted Teeth in Radiography of Patients Referred to Ardabil Radiology Clinics during 2018-2020**

Introduction: impacted tooth is a common phenomenon and its prevalence and distribution rate has considerable diverse in different nations. The present research aimed to investigate prevalence rate of impacted teeth in radiography of the clients referred to radiology clinics of Ardebil in the years 2018-2020.

Materials and methods: in this descriptive and retrospective study , 1624 panoramic radiography along with the data registered for the patients referring to Ardebil Dentistry Faculty Clinic and one of the private clinics of Ardebil city were analyzed. The data analysis was conducted using descriptive statistics test (percent and frequency) and chi-square test. Level of significance was considered as less than 0.05.

Results: findings of the study indicated that prevalence of impacted teeth was 24.8% in Ardebil, so that the highest percent of impaction prevalence was observed in Third maxillary molar. Such prevalence was also significantly more among women than men and the predominant ages of impacted teeth was between 20-30 ($P < 0.05$).

Conclusion: prevalence of impacted teeth in this study was more than other similar studies, which shows the importance of screening, diagnosis and timely treatment in the study population.

Key words: prevalence, impacted teeth, panoramic radiography.