

## Evaluation of Tooth Brushing Frequency of Children and Adults Who Applied to Afyonkarahisar Oral and Dental Health Center During the Covid-19 Pandemic Period: A Survey Study

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### ABSTRACT

**Objective:** The main purpose of the study was to determine whether the tooth brushing habits of individuals had changed during COVID-19 Pandemic or not comparing the period before Pandemic.

**Materials and Methods:** The survey study was held on 200 patients (30 children, 170 adults) who was admitted Afyonkarahisar Oral Health Center since 15.11.2020 to 30.11.2020. Those who are completely healthy as ASA standards and whose age differs between 10 to 65 were taken into study. Pregnancy was considered as an excluding criterion for female patients. The study protocol was conducted in line with the principles of the Helsinki Declaration, and with the approval of the Afyonkarahisar Health Sciences University Board of Clinical Ethics Committee (6.11.2020- 2020/496). Informed consent was obtained from all participants or their legal representatives. The survey study was consisted of seven questions including demographic data and tooth brushing routines at the morning and the night before pandemic and during this period.

**Results:** An increase was observed in brushing frequency in the morning and in the morning, at the night in adults ( $p < 0.05$ ). Although morning and night routine was affected on behalf of brushing habits for female patients, the morning routine seemed to be unaffected for male patients ( $p < 0.05$ ). Whether morning or night, brushing habits did not changed in the group of pediatric patients ( $p > 0.05$ ).

**Conclusion:** Increasing in tooth brushing habits among adult patients during COVID-19 Pandemic is promising. However, the same improvement in pediatric population is expected to be seen in the future.

**Keywords:** COVID-19, Dental hygiene, Tooth brushing, Survey study

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