

## **Abstract**

### **Evaluation of compliance of guidelines about prevention of covid 19 in dental setting in Ardabil city in 1401**

**Introduction:** In order to deal with the more and sudden prevalence of covid 19, dentists should be aware of the recent developments, especially the guidelines about prevention of covid 19. This study was done with the aim of evaluating of compliance of guidelines about prevention of covid-19 in the dental setting of Ardabil in 1401.

**Materials and methods:** This cross-sectionally total population study was done on 254 general dentists and specialists. The tool for collecting information was a researcher-made questionnaire that was validity and reliability based on the country's guidelines, which included 50 questions and 3 sections, the first section included demographic information of the dentist including: gender, age, marital status, education, work history, history of covid 19 infection and number of working hours. The second section included questions related to the management of patients before treatment and the required equipment and personal protection requirements and the required therapeutic action during the covid-19 pandemic. The third section included effective measures to prevent Covid-19. After collecting the data, they were classified and analyzed using chi-square test and Fisher's exact test. SPSS software version 26 was used for data analysis. The acceptable error level was considered 0.05.

**Findings:** The survey results showed that the rate of compliance of guidelines about prevention of Covid-19 in the index of patient management before treatment was estimated at 45%, in the index of required equipment and personal protection requirements was 72.42%, and in the index of required therapeutic action during the pandemic was 42.81%. There was a significant difference in compliance with the guidelines related to the prevention of Covid-19 based on education and work history ( $P < 0.05$ ). However, there was no significant difference in compliance with the guidelines related to the prevention of Covid-19 based on gender, age, marital status and history of corona infection ( $P > 0.05$ ).

**Conclusion:** The level of compliance with the guidelines related to the prevention of Covid-19 in the dental centers of Ardabil city was at an average level and was influenced by factors such as the dentist's education and work history.

**Keywords:** Guidelines, Prevention, Covid 19.