

Abstract:

Title: Patients' expectations of fixed orthodontic treatment (before treatment) in Ardabil during 2019-2020

Introduction: It is very crucial to understand patients' expectations of the method of treatment, the related problems, treatment period, and the frequency of visiting sessions. This study attempted to determine the patients' expectations of fixed orthodontic treatment (before treatment) in Ardabil in 2019-2020

Materials and methods : This cross-sectional study was carried out at the clinic of Dentistry Faculty of Ardabil University of Medical Sciences and several private orthodontic clinics in Ardabil. The data was collected using the standard questionnaire by Mirzaei et al. (2018). Moreover, the data was analysed using Chi-squared, Mann-Whitney, and Kruskal-Wallis tests on SPSS version 22 with P less than 0.05 considered significant

Results: The results of this study showed that patients' expectations of the first orthodontic treatment session were oral hygiene, explanation of the treatment plan, and dental radiography, respectively. The highest expectations of orthodontic patients were malocclusion, jaw disorders, and bracket attachment; the least expectations were jaw surgery and tooth extraction. Correct positioning of teeth and a beautiful smile were the patients' main expectations of orthodontic treatment. Most of the patients expected that the treatment period would be about one year or one and a half years and examination sessions would be every six weeks. Furthermore, the results showed that there was no significant difference based on gender in patients' expectations of orthodontic treatment, treatment period, and frequency of examination sessions ($P > 0.05$). In addition, there was no significant difference based on age and income in patients' expectations of orthodontic treatment period ($P > 0.05$). However, there was a significant difference based on age and income in some questions about patient's expectations of orthodontic treatment and frequency of examination sessions. Nonetheless, there was no significant difference in most of the questions ($P > 0.05$).

Conclusion: : It was concluded that the correct positioning of teeth and a beautiful smile were the patients' main expectations of orthodontic treatment and there was no significant difference based on gender, age, and income in most of the questions.

Keyword: Patients' expectations, treatment, fixed orthodontics, Ardabil