

Abstract

Evaluating problems and performance of complete prosthesis in Ardabil city in 1396

Introduction

The use of removable complete denture increases due to rising of age in societies. Nevertheless, patients who receive the complete denture report many problems while using them. The aim of this study was to evaluate the problems and function of removable complete denture in patients in Ardebil city.

Materials and methods

138 patients who were at least 1 years old from resiving removable complete denture examined at Ardabil city in 2017 year. Oral lesions that were evaluated including denture stomatitis , angular cheilitis .ulcer and epulis fissuratum. Denture function evaluated by PDA self-reported questionnaire. In addition, occlusion, vertical dimension of occlusion and retention evaluated in patients. Data were analyzed using SPSS 19 software.

Results

55 (39.3%) person was female and 83 (59.3%) person was male. The mean age of the patients was 64.8 ± 9.3 years. Mean age of denture was 12.1 ± 6.8 years. The average score of the function of the denture in the field of cosmetic and speech was 8.2 ± 0.9 , the mandibular function was 2.9 ± 0.8 , the expectations of the patients was 3.7 ± 0.7 , the maxillary function were 2.5 ± 0.7 and the denture importance was 2.7 ± 0.7 . The prevalence of stomatitis, ulcer, Angular cheilitis and Epulis fissuratum were 12.3%, 9.4%, 16% and 7.2% respectively. 73 (52.9%) cases had inaccurate occlusion plan. 56.5% cases had inaccurate cenric relation. Vertical dimension in occlusion was low in 66.6% and high in 10.9%. The prevalence of no retention was 34 (24.6%) cases. The prevalence of denture fracture and artificial tooth fracture were 10.2%, 10.9% respectively.

Conclusion

A significant percentage of the patients in the study had lips and mucosal lesions, and patients reported modest scores on their denture function. Most of the problems were related to the retention. It seems that a more suitable design of the palatal and replacement of the worn denture can be effective in reducing the problems of the denture and improving its function.

Key words: Function, Denture, Complete, Removable, Mucosal lesions.