ABSTRACT

Background. Excessive stress on abutment teeth adjacent to a periodontal defect during the loading of acrylic resin removable partial denture in years. Those defect may leads a movement on abutment teeth. Purpose. To assess the effect of acrylic resin removable partial denture use against the movement of its abutment teeth; and to investigate the effect of several factors amongst the denture exertion on periodontal health for patients using this type of prosthesis. Methods. Thirty-one patients wearing acrylic resin removable partial dentures for among 1 to 4 years were included in the study. Patients were clinically examined and given a number of questions about the prosthesis handlings. Result. Among the 31 patients, 16 were recorded to have some movements on the abutment teeth. In addition there was a stastically significant result supported by other factors. Conclusion. Teeth used as direct abutments for acrylic resin removable partial dentures are periodontally affected to a movement of the teeth itselfs.

Keyword: Teeth movement, abutment, acrylic resin partial denture, periodontium.