

Effect of Palatal Coverage of Maxillary Overdentures on the Abutment Teeth

Thesis

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Abstract

The aim of the study was evaluate the effect of the palatal coverage of the maxillary overdentures on the supporting structures of the abutment teeth through comparing between two types of the OT Cap maxillary overdentures one with complete palatal coverage and the other with minimal palatal coverage. The abutment teeth were clinically and radiographically evaluated at time of denture insertion, after three months and after six months from denture insertion as regards: (١) the crevicular fluid (٢) the pocket depth(٣) the gingival index(٤) the change in the marginal bone height both mesially and distally(٥) the change in the abutment position.

From the results of the study, the following conclusion could be achieved: Both types of overdenture therapy with the OT Cap attachments weather with complete palatal coverage or with limited palatal coverage have the same clinical effects on the abutment teeth as a slight increase in the crevicular fluid, a slight increase in the pocket depth, and no effect on the gingival index and the same radiographic findings in the form of a slight decrease in the alveolar bone height. Although no significant change in the abutment position occurred with either type of the OT Cap attachment overdenture, the overdenture with the limited palatal coverage had a higher effect on the change in the abutment position than the overdenture with the full palatal coverage.

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

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Contents

Introduction	۱
Review of literature	
Overdenture	۲
Attachments	۲۵
Palatal Coverage	۳۱
Clinical evaluation of the abutment teeth	۳۴
Radiographic evaluation of the abutment teeth	۵۱
Aim of the Study	۵۳
Materials and Methods	
Selection of patients	۵۴
Canine assembly preparation	۵۶
Construction of the Radiographic Template	۶۲
Clinical Evaluation	۷۱
Radiographic Evaluation	۷۵
Results	۸۴
Discussion	
Discussion of Methodology	۱۰۵
Discussion of Results	۱۰۹
Summary and Conclusion	۱۱۳

List of Figures

Figure (١):	Maxillary bilateral canines were the only remaining teeth left	٥٥
Figure (٢):	The canines' preparations with the castable plastic pivots tried in (Right and Left)	٥٦
Figure (٣):	The OT Cap attachment kit	٥٨
Figure (٤):	The castable plastic pivots embedded in the fitting surface of the impression	٦٠
Figure (٥):	The castable plastic pivots and wax pattern over the abutments	٦٠
Figure (٦):	Copings casted in nickel chromium	٦١
Figure (٧):	Copings cemented over the canines	٦٢
Figure (٨):	Individualized Radiographic Acrylic Template over the cast	٦٤
Figure (٩):	Maxillary complete overdenture with full palatal coverage, maxillary complete overdenture with minimal palatal coverage and conventional lower complete dentures	٦٥
Figure (١٠):	Acrylic special tray of the maxillary ridge with holes over the canines	٦٦
Figure (١١):	The transfer caps over the copings and the metal housings covering them before the secondary impression	٦٦

Figure (١٢):	Two phase sectional impression of the maxillary ridge: zinc oxide eugenol for the residual ridge and the palate and an overall alginate impression	٦٧
Figure (١٣):	The master cast with the metal housings represented in stone	٦٧
Figure (١٤):	Transfer nylon caps over the copings	٦٩
Figure (١٥):	Wax engaging as a ring around the junction of the metal housing and the coping boundaries	٧٠
Figure (١٦):	Fitting surface of the denture with the metal housings and the retentive nylon caps in	٧٠
Figure (١٧):	Filter papers	٧٢
Figure (١٨):	The filter paper strips during calculating the stained area	٧٢
Figure (١٩):	Measuring the pocket depth	٧٣
Figure (٢٠):	Direct digital periapical image	٧٦
Figure (٢١):	Digital panoramic image with the metallic ball in the buccal flange of the individualized radiographic acrylic template	٧٧
Figure (٢٢):	A digital periapical radiograph for one of the studied cases demonstrating the used Digora tool box (right side) during assessment of marginal bone height changes	٧٨
Figure (٢٣):	A digital panoramic radiograph for one of the studied cases demonstrating the used Digora tool box (right side) during assessment of abutment position	٨٠
Figure (٢٤):	Line chart representing effect of time in crevicular fluid volumes in the two groups	٨٥
Figure (٢٥):	Bar chart representing mean percentage changes in crevicular fluid volumes in the two groups	٨٦
Figure (٢٦):	Line chart representing effect of time in pocket depth measurements for the two groups	٨٨
Figure (٢٧):	Bar chart representing mean percentage changes in	٨٩

pocket depth in the two groups

- Figure (٢٨):** Line chart representing effect of time in gingival index for the two groups ٩١
- Figure (٢٩):** Line chart representing effect of time in bone height of Group I ٩٣
- Figure (٣٠):** Line chart representing effect of time in bone height of Group II ٩٥
- Figure (٣١):** Bar chart representing mean percentage changes in mesial and distal sides within each group ٩٦
- Figure (٣٢):** Bar chart representing mean percentage changes in bone height of the two groups ٩٨
- Figure (٣٣):** Bar chart representing effect of time in abutment position ratios of Group I ١٠٠
- Figure (٣٤):** Bar chart representing effect of time in abutment position ratios of Group II ١٠٢
- Figure (٣٥):** Bar chart representing mean percentage changes in abutment position ratios of the two groups ١٠٥

List of Diagrams

Diagram (۱):	Pocket depth measurement	۷۴
Diagram (۲):	Marginal bone height measurement	۷۹
Diagram (۳):	Change in abutment position measurement	۸۱

List of Tables

Table (١):	The mean crevicular fluid volume values and effect of time in Group I	٨٤
Table (٢):	The mean crevicular fluid volume values and effect of time in Group II	٨٥
Table (٣):	The mean percentage change, standard deviation (SD) values and results of comparison between the two groups	٨٦
Table (٤):	The mean pocket depth values and effect of time in Group I	٨٧
Table (٥):	The mean pocket depth values and effect of time in Group II	٨٨
Table (٦):	The mean percentage change, standard deviation (SD) values and results of comparison between the two groups	٨٩
Table (٧):	The mean gingival index values and effect of time in Group I	٩٠
Table (٨):	The mean gingival index values and effect of time in Group II	٩٠
Table (٩):	The mean bone height values and effect of time in Group I	٩٣

Table (١٠):	The mean bone height values and effect of time in Group II	٩٤
Table (١١):	The mean percentage change, standard deviation (SD) values and results of comparison between mesial and distal sides within each group	٩٦
Table (١٢):	The mean percentage change, standard deviation (SD) values and results of comparison between the two groups	٩٧
Table (١٣):	The mean abutment position ratios and effect of time in Group I	١٠٠
Table (١٤):	The mean abutment position ratios and effect of time in Group II	١٠٢
Table (١٥):	The mean percentage change, standard deviation (SD) values and results of comparison between the two groups	١٠٣

Introduction