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: (1) the crevicular fluid (1) the pocket depth(1) the gingival index(1) the change in the marginal bone height both mesially and distally(2) 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.

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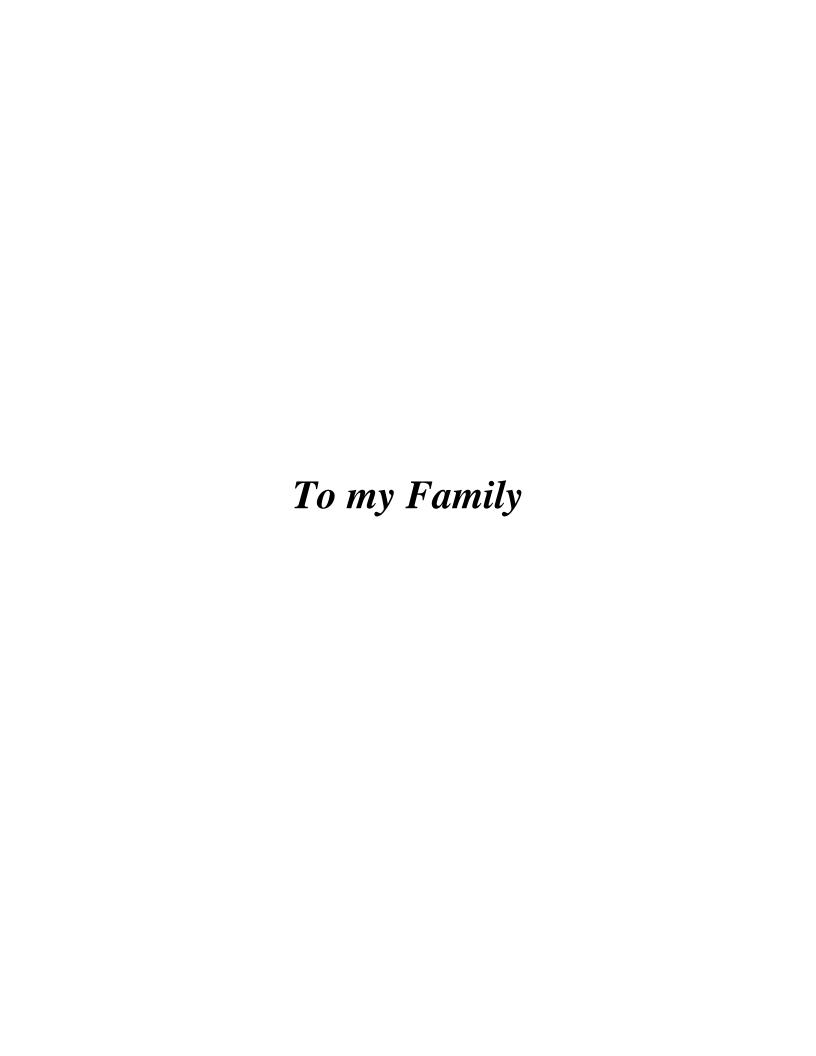
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