

## عنوان مقاله:

Evaluation of periodontal condition in intruded molars using miniscrews

## محل انتشار:

مجله مواد و تکنیک های دندانپزشکی، دوره 4، شماره 4 (سال: 1394)

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## خلاصه مقاله:

**Introduction:** The purpose of this preliminary study was to evaluate the periodontal condition of intruded molars in various phases of treatments. **Methods:** 30 patients with at least one overerupted upper first molar were selected. Upper molar bands with brackets were cemented. Two miniscrews were placed in the mesiopalatal and mesiobuccal aspect of the aforementioned teeth. A titanium molybdenum alloy (TMA) spring was attached to the head of miniscrew in one end and ligated to the bracket in the other end to reach the predetermined force. Plaque index (PI), probing pocket depth (PPD), keratinized gingiva (KG), The distance between miniscrew (M.S) and gingival level (GL), and bleeding on probing (BOP) were recorded before loading and 1, 2, 3, 4 and 5 months post-loading. **Results:** All patients completed the study and no complications were reported. Statistically significant intrusion ( $2.1 \pm 0.9$  mm) was obtained during active treatment. Inserting miniscrews generally was presented with greater sulcus bleeding, plaque accumulation and plaque formation at follow-up visits. There was a statistically significant increase in PI, PPD and BOP indices. Furthermore, the results showed decrease in KG level and M.S to GL level. **Conclusion:** Miniscrews can provide a clinical benefit as an absolute anchorage device. However, keeping a good oral hygiene is essential to achieve ideal results, because the presence of miniscrews, as a foreign object in mouth, and intrusion force might be harmful for periodontal tissues

## کلمات کلیدی:

intrusion, mini implant, mini-screw, over-erupted molar, soft tissue health

## لینک ثابت مقاله در پایگاه سیویلیکا:

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