

Acceleration of orthodontic tooth movement by alveolar corticotomy using piezosurgery

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Abstract

The purposes of this study were to: (1) Identify the effect of the corticotomy-facilitated (CF) orthodontics technique on orthodontic tooth movement compared with the non surgical standard orthodontics technique. (2) Evaluate pain and discomfort levels and the levels of satisfaction of the patients during the treatment about CF orthodontics technique performed with piezosurgery versus non- surgical standard orthodontics technique. Eight patients with minor to moderate mandibular crowding with normal skeletal class I pattern were treated with corticotomy-facilitated (CF) orthodontic technique. Patients were randomly divided to two groups; group I (corticotomy group) in which Alveolar Corticotomies (ACS) were performed using PES and group II (non surgical group) in which non- surgical standard orthodontics technique was done.

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