

UTILIZATION OF ORTHODONTIC MICROIMPLANTS IN CLEFT PATIENTS AT HRAC-USP

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INTRODUCTION: Orthodontic procedures are often required to reduce treatment time, leading to a more efficient treatment. Surgical installation of orthodontic devices for bone anchorage has been reported more frequently. Temporary microimplants for rigid anchorage revolutionized how to treat unsatisfactory prognostic cases, mainly those which require large amount of anchorage, such as in some cleft lip and palate patients. Dental abnormalities, such as hypodontia, supranumerary teeth, impacted teeth, narrowing of the maxilla and mandible and discrepancies between the arches are frequent within those patients, and this scenario can interfere with orthodontic and rehabilitative treatments. At this way, microimplants can aid orthodontic mechanics and it seems essential to evaluate the success of their clinical application in those patients. **METHODS AND MATERIALS:** A retrospective survey was conducted, according to the success or failure results of corrective orthodontic treatment performed in thirty-seven patients of both genders, presenting unilateral or bilateral cleft, who were treated with microimplants installed on alveolar bone. The patients were treated between March 2007 and December 2008, at the Hospital for Rehabilitation of Craniofacial Anomalies (HRAC) – University of Sao Paulo (USP). **RESULTS:** This survey shows that the acquired mutual clinical experience of Implantology and Orthodontics sections, confirms, as reported in the literature, the benefits and advantages of temporary devices used for orthodontic anchorage. **CONCLUSIONS:** The evaluated parameters elevate and support the utilization of orthodontic microimplants during the correction and rehabilitation treatment of patients with cleft lip, alveolus and palate.