

Brazilian Oral Research

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Abstract





[CASSELLI, Henrique](#); [LANDULPHO, Alexandre Brait](#); [SILVA, Wilkens Aur](#)[nio Buarque e](#) and [SILVA, Frederico Andrade e](#). Electrognathographic evaluations of rehabilitated edentulous patients. *Braz. oral res.* [online]. 2007, vol.21, n.4, pp. 355-361. ISSN 1806-8324. doi: 10.1590/S1806-83242007000400013.

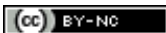
This study investigated, through computerized electrognathographic evaluations (K6-I Diagnostic System, Myotronics-Noromed Inc., Tukwila, USA), the mandibular movement pattern of 16 patients rehabilitated with complete dentures presenting no symptoms of stomatognathic functional alterations. The patients were instructed to wear an intra-oral appliance for occlusal plane coverage over their usual superior denture and were then rehabilitated with new dentures preserving a free-way space of 3 mm. After sixty days, the occlusal vertical dimension was increased and the modified inferior dentures were used for another 60 days. The obtained results were submitted to the Tukey Test and to the Friedman test, depending on which variable was under consideration, both at a significance level of 5%. The data revealed a significant decrease in free-way space when the first and the last evaluations were compared. No significant differences were found during opening and closing. It was concluded that the presence of a free-way space at the end of the treatment confirms the importance of its existence for maintaining the balance of the masticatory system, assuming the occurrence of a postural repositioning.

Keywords : Denture, complete; Masticatory muscles; Vertical dimension.

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