

Brazilian Oral Research

Print version ISSN 1806-8324

Abstract




[CURY, Patricia Ramos](#) et al. The relationship between radiographic and clinical parameters in periodontal maintenance in class II furcation defects. *Braz. oral res.* [online]. 2004, vol.18, n.2, pp. 116-120. ISSN 1806-8324. doi: 10.1590/S1806-83242004000200005.

The goal of the present study was to investigate the relationship between probing and radiographic parameters, and the reliability of repeated longitudinal periodontal probing measurements for early diagnosis of periodontal breakdown in class II furcation defects. Eighteen class II furcation defects in lower molars were included in this study. Standardized radiographs and clinical measurements, relative vertical clinical attachment level (CAL-v) and probing depth (PD) were obtained immediately before periodontal surgeries and at 6, 12, 18, and 24 months after surgery. A total of 72 pairs of radiographs were subtracted following correction for contrast and planar geometric discrepancies, and the bone loss/gain (in mm) was measured. There was no statistically significant correlation between CAL-v and bone height (BH) measurements. A statistically significant correlation for PD reduction at 24 months and BH increase at 18 months was found ($r = 0.5$, $p < 0.05$). These results suggest that clinical measurements and radiographic bone height reflect different features of periodontal destruction and periodontal healing, and repeated longitudinal measurements of vertical clinical attachment level are not reliable for early diagnosis of periodontal breakdown in class II furcation defects.

Keywords : Periodontitis; Bone; Radiography; Diagnosis; Furcation defects.

[?abstract in portuguese](#) [?text in english](#) [?pdf in english](#)

services

-  custom services
-  Article in pdf format
-  Article in xml format
-  Article references
-  How to cite this article
-  Access statistics
-  Cited by SciELO
-  Similar in SciELO
-  Automatic translation
-  Show semantic highlights
-  Send this article by e-mail



All the content of the journal, except where otherwise noted, is licensed under a [Creative Commons License](#)

Sociedade Brasileira de Pesquisa Odontol^{ógica}

Av. Lineu Prestes, 2227
Caixa Postal 8216
05508-900 S^{ão} Paulo SP - Brazil
Tel./Fax: +55 11 3091-7810

 e-Mail

bor@sbpgo.org.br