

## Brazilian Oral Research

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### Abstract

[WOLWACZ, Victor Ferraz](#); [CHAPPER, Ana](#); [BUSATO, Adair Luiz Stefanello](#) and [BARBOSA, Alcebades Nunes](#). Correlation between visual and radiographic examinations of non-cavitated occlusal caries lesions: an *in vivo* study. *Braz. oral res.* [online]. 2004, vol.18, n.2, pp. 145-149. ISSN 1806-8324. doi: 10.1590/S1806-83242004000200010.

The aim of this study was to conduct an *in vivo* investigation of the correlation between the visual and radiographic scoring systems by Ekstrand *et al.*<sup>7</sup> (1997) for the diagnosis of occlusal caries lesions. The study sample comprised 147 occlusal sites from 23 patients. Two trained and experienced examiners performed the clinical visual examinations. A third examiner, which was also trained, experienced and blind to the results of the visual clinical examination, performed the analysis of the bitewing radiographs. The correlation between visual and radiographic scores was assessed by Goodman & Kruskal's gamma correlation coefficient. Results showed a strong correlation between the scores for occlusal caries found in the visual and radiographic diagnosis systems used in this study.

Keywords : Dental caries; Dental occlusion; Radiography, bitewing.

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