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Abstract









[MONIKA, Chaves Medici](#) and [FRONER, Izabel Cristina](#). A scanning electron microscopic evaluation of different root canal irrigation regimens. *Braz. oral res.* [online]. 2006, vol.20, n.3, pp. 235-240. ISSN 1806-8324. doi: 10.1590/S1806-83242006000300010.

The purpose of this study was to assess the effectiveness of endodontic irrigants in removing the smear layer from instrumented root canal walls using Scanning Electron Microscopy (SEM). The endodontic irrigants used were: 1% sodium hypochlorite (NaOCl); 1% NaOCl mixed to 17% EDTAC; 2% chlorhexidine gel; and *Ricinus communis* gel. Photomicrographs of the middle and apical thirds were evaluated with the aid of the Fotoscore - v. 2.0 software. The results indicated that the mixture of sodium hypochlorite and EDTAC completely removed the smear layer from dentinal walls. The other endodontic irrigants were not as efficient in cleansing the root canals.

Keywords : Smear layer; Root canal irrigants; Chlorhexidine; *Ricinus communis*.

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