

An electrochemical Technique to study sealability of five root Canal Sealers.

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Abstract

The purpose of this study is to evaluate and measuring Seal a bility of five different Commercial root Canal sealers in Conjunction with gutta-percha by an electrochemical techirique. The electro chemical method Composed of the galvanic cell Cont-ained root specimens inserted in 1% Potassium chlorite Solution. Anode was attached to the root and connected to electrical source. Cathods was Connected to other in put and immersed in the electrolytic solution. A galvanic current will flow when there is onto the root canal and the current can be measured using a highly sensitive avometer. The magnitude of current will indicate the degree of micro leakage. The results showed that, maximum current was 16.62 in case of endo methas one and least current in care of Diaket sealer (4.09). It was concluded that, variation of leakage within the sealers due to the different physical properties.

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