

عنوان مقاله:

Experimental Anatomic System to Electrical Impedance Tomography Measurement of Dental Roots and its Decay in Phantom

محل انتشار:

کنفرانس بین المللی پژوهش در مهندسی، علوم و تکنولوژی (سال: 1394)

تعداد صفحات اصل مقاله: 13

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خلاصه مقاله:

Up to now, several methods for the location of the root of the tooth and calculating the tooth decay detection is presented, such as the statistical use of the teeth length mean, using feeling of hand and radiography. The most important and most valuable developments in dentistry and endodontic, is the discovery of anesthesia and the use of X-ray and radiography. Common method to determine the root of tooth is to providing films; but in some cases may provide a suitable radiography is not feasible due to problems such as nausea, severe reaction, pregnancy, etc. On the other hand the dangers of radiation, particularly in children and radiological problems in people with disabilities, disadvantaged and our children on this thinking that if a device can determine the root caries detection, and effectively used instead of X-ray radiation levels reduce the radiation to the patient, will be valuable and this led to the idea of electronic instruments and determine root caries detection using impedance measurements

کلمات کلیدی:

current source , dental decay, experimental measurement , impedance tomography , multi frequency , root position

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