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Proximal caries detection: Sirona Sidexis versus Kodak Ektaspeed Plus.
Khan EA, Tyndall DA, Ludlow JB, Caplan D.

Faculty of Dentistry, King Abdulaziz University, Jeddah, Saudi Arabia.

This study compared the accuracy of intraoral film and a charge-coupled device (CCD) receptor for proximal caries detection. Four observers evaluated images of the proximal surfaces of 40 extracted posterior teeth. The presence or absence of caries was scored using a five-point confidence scale. The actual status of each surface was determined from ground section histology. Responses were evaluated by means of receiver operating characteristic (ROC) analysis. Areas under ROC curves (Az) were assessed through a paired t-test. The performance of the CCD-based intraoral sensor was not different statistically from Ektaspeed Plus film in detecting proximal caries.

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