

Direct digital radiography and SPECT for evaluation of bioactive glass coated dental implants in human. Egyptian Dental Journal, 45 (3): 4189-4197, July, 1999.

Abstract:

The successful use of endosseous implants in dentistry had increased dramatically over the last twenty years. Bioactive glass particles were used to coat the endosseous dental implants. It has the ability to bond to bone tissue and enhances bone growth by its osteo-conductive properties. Bone healing between the implants and bone were evaluated clinically and by (1) direct digital radiographic examination through Digora system and by (2) single photon emission computed tomography (SPECT). The radiographic examination was performed before and after implants insertion by 1, 2, 3 and 4 months respectively