USE OF HYDROXY APATITE COATED AND UNCOATED IMPLANTS IN IMMEDIATE EXTRACTION SOCKETS WITH GUIDED BONE REGENERATION IN A RESORBED MAXILLA

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Abstract

This case illustrates the use of the principles of guided tissue regeneration to achieve osseointegration of endosseous dental implants. Three implants, two HA-coated and one uncoated were placed in immediate extraction sockets, while other three implants, one coated and two uncoated were placed in healed sites. Bone augmentation and barrier membranes were used to enhance bone formation over dehiscence and implants placed into extraction sockets. One year after insertion, both the coated and uncoated implants placed in immediate extraction sockets showed the same maintenance of crestal bone. No difference in osseointegration was noticed between immediate extraction and healed sites. Furthermore, the prosthetic procedures for fabrication a clip bar overdenture will he described. These procedures were made to satisfy the patient’s esthetic, psychological, and functional needs.

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