References


Clinical Radiographic and Histomorphometrical Analysis of Maxillary Sinus Augmentation Using Synthetic Bone Substitute – 4Bone.

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Materials and Methods

A 57-yr-old man suffering from severe periodontal disease and no site available for implant placement was referred to an oral and maxillofacial surgeon. An internal collagen membrane was planned to perform an autogenous bone graft. Debris and bacteria were removed from the sinus membrane using suction and a small curette. A sheet of collagen membrane was then sutured to the Schneiderian membrane at the posterior aperture of the sinus (Fig. 2). A CT scan performed 9 months after sinus augmentation showed a radiopaque zone covered by a thin layer of newly formed bone. The biopsy specimen was fixed in 10% neutral buffered formalin for 96 hours, then dehydrated and embedded in paraffin. The biopsy included both pristine and newly formed bone. Of remaining bone granules (Fig. 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5). Osteoblasts were seen lining graft particles in conjunction with surrounding it (Figs. 4, 5).