

INDUCE Oi-9™

CASE STUDY

Alveolar Ridge Preservation 67 Year-Old Male, Tooth #18

Clinical Presentation



Patient

This 67-year-old male presented for extraction of tooth #18.



Treatment Plan

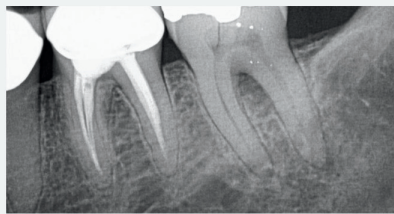
Alveolar ridge preservation procedure utilizing Induce Oi-9 Fiber Matrix covered with a BioXclude® membrane following extraction of tooth #18. Implant placement at 6 months following grafting. Bone core harvesting at implant placement and evaluation using micro-CT and Goldner's Trichrome staining.



Results

Complete bone regeneration was observed at 6 months. Evaluation of the bone core with micro-CT and histological staining demonstrated mineralized tissue consistent with new bone, surrounded by loose trabecular structures. In the few areas where graft material was identifiable, it was found to be fully integrated with the newly formed bone tissue and nearly completely resorbed.

Clinical Documentation



Pre-Op Radiograph



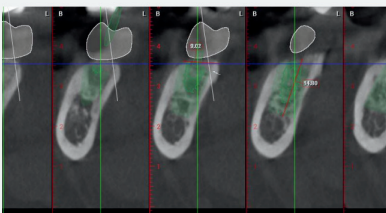
Day of Extraction Radiograph And Induce Oi-9 Placement



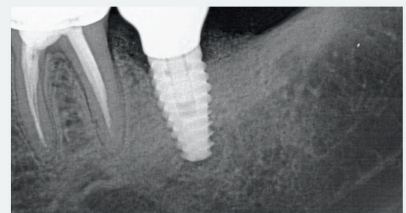
3 Months Post Extraction Radiograph And Induce Oi-9 Placement



6 Months Post Extraction Radiograph And Induce Oi-9 Placement



Implant Pre-Op CBCT 8 Months Post Extraction And Induce Oi-9 Placement



6 Months After Placing The Implant Radiograph

INDUCE Oi-9™

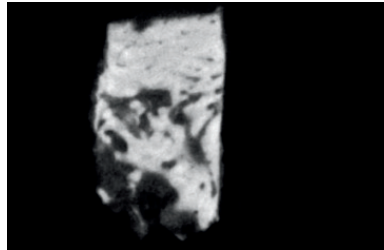
CASE STUDY

Alveolar Ridge Preservation

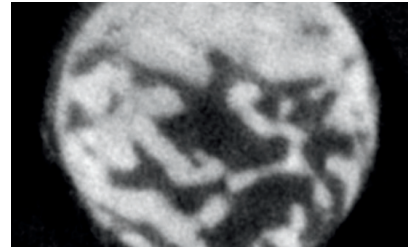
Clinical Documentation



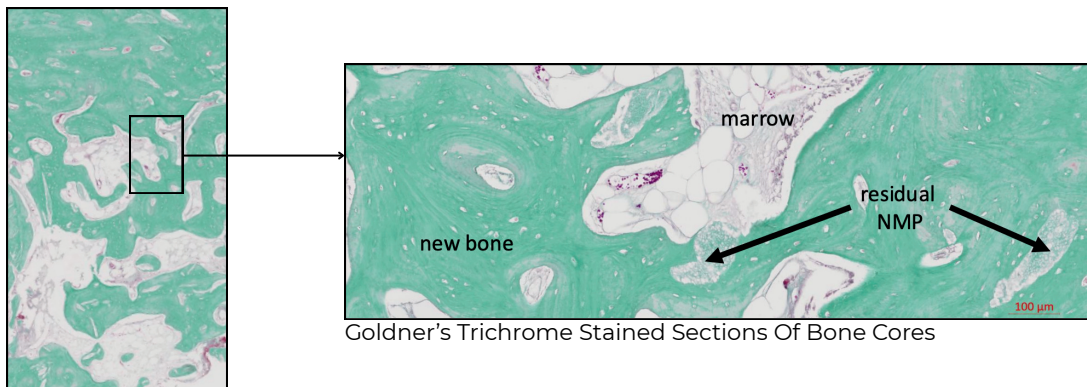
Bone Core



Micro-CT Of Bone Core (Image 1)



Micro-CT Of Bone Core (Image 2)



Goldner's Trichrome Stained Sections Of Bone Cores

Induce Oi-9™, a dental bioimplant designed to support bone regeneration. Using Natural Matrix Protein® (NMP®) technology, Induce Oi-9 makes key growth factors bioavailable, allowing clinicians to support bone formation in their grafting procedures.



Dr. Robert Horowitz, Clinical Assistant Professor, Periodontology NYU College of Dentistry
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