

INDUCE Oi-9™ CASE STUDY

Alveolar Ridge Preservation

69 Year-Old Male, Tooth #4

Clinical Presentation

Patient

This 69-year-old male presented for extraction of tooth #4. This patient had a medical history that included seizures, hypertension, and gastrointestinal issues.

Treatment Plan

Alveolar ridge preservation procedure utilizing Induce Oi-9 Fiber Matrix covered with a BioXclude® membrane following extraction of tooth #4. Implant placement at 5 months following grafting. Bone core harvesting at implant placement and evaluation using micro-CT and Goldner's Trichrome staining.

Results

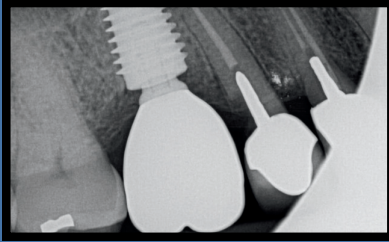
This patient demonstrated complete bone healing at the time of bone harvest and implant placement (5 months). Histological analysis revealed mineralized tissue consistent with new bone regenerate, surrounded by loose trabecular structures. In the few areas where Induce Oi-9 granules were identifiable, they were found to be fully integrated with the newly formed bone tissue and were nearly completely resorbed.

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.

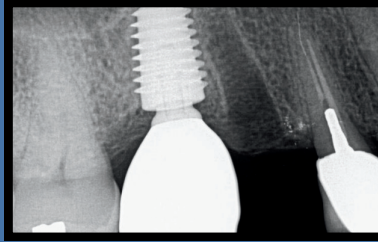


Clinical Documentation

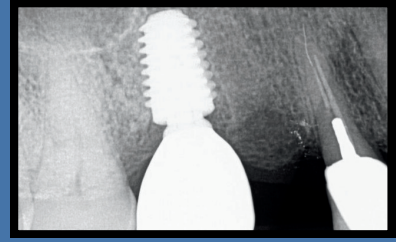
Pre-op Radiograph



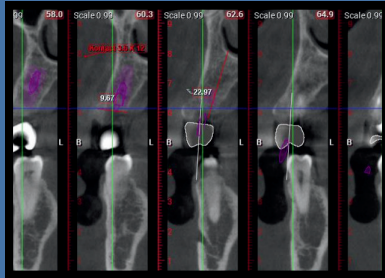
Day Of Extraction Radiograph



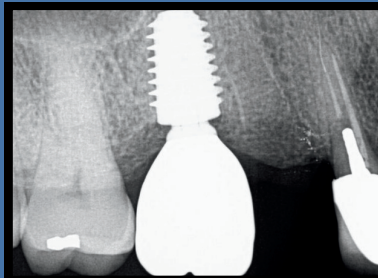
3 months Post Extraction Radiograph



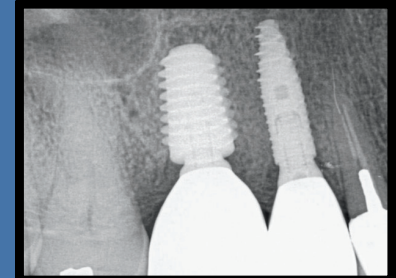
Implant Pre-Op CBCT (5 Months Post Extraction)



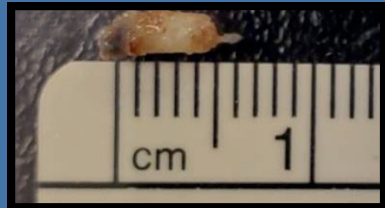
Implant Pre-Op radiograph (5 Months Post Extraction)



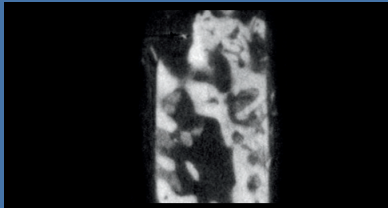
6 months After Placing The Implant Radiograph



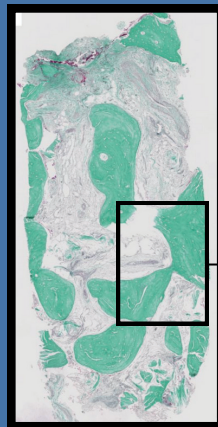
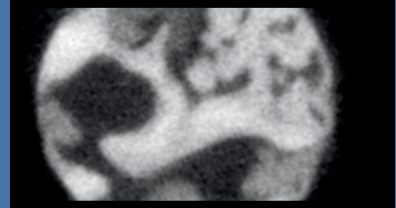
Bone Core



Micro-CT Of Bone Core (Image 1)



Micro-CT Of Bone Core (Image 2)



Goldner's Trichrome Stained Sections Of Bone Cores



Dr. Robert Horowitz, Clinical Assistant Professor, Periodontology NYU College of Dentistry
 Induce Oi-9™ and Regeneration Naturally® are trademarks of Red Rock Regeneration, Inc. NMP® is a registered trademark of Red Rock Regeneration, Inc. All other trademarks used are the property of their respective owners.

