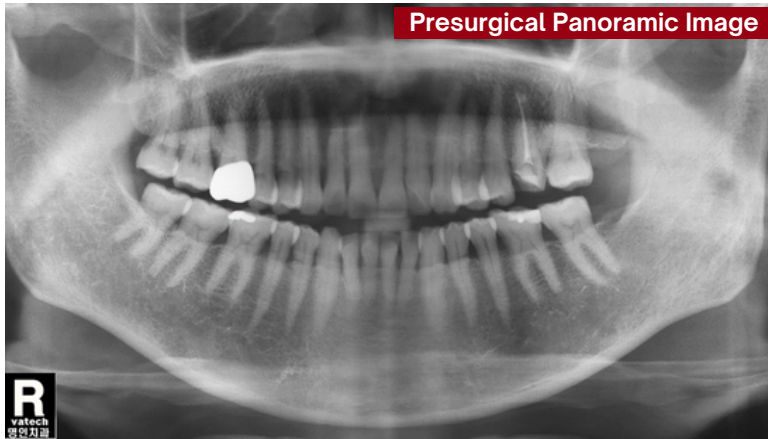


Tooth Extraction - 10 Years Follow-up case study

In this issue we are presenting clinical a case study of teeth extraction and simultaneous implant placement on upper left first molar with **10 years follow-up** report.



Presurgical Panoramic Image

- **Clinical situation:** Maxillary left first molar shows endodontically treated tooth. Teeth removal and immediate implant placement on upper left first molar is needed.
- **Surgical solution:** Implant placement and graft placement simultaneously in one stage approach.
- **Restoration:** Final metal ceramic fixed implant restoration after provisional loading in 7 months.
- **Year of Surgery: 2011; Treatment duration:** 7 Months.

Gender: Female; **Age:** 58 years old with no systemic disease; **Operation Site:** #26 Maxillary Left First Molar

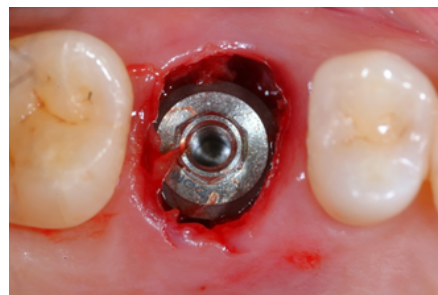
Preparation and Surgery Procedure with Ti-oss®



Septal area well preserved during removal and core was taken to use as osseous coagulum.



Crushed core part .

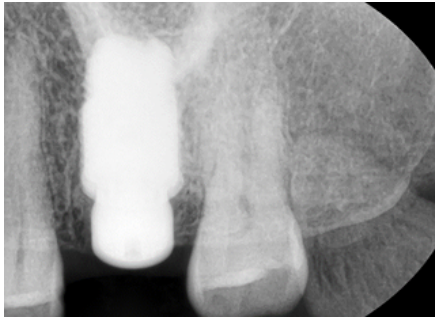


Multiporous structure well noted in PRP mixture of Ti-oss.®

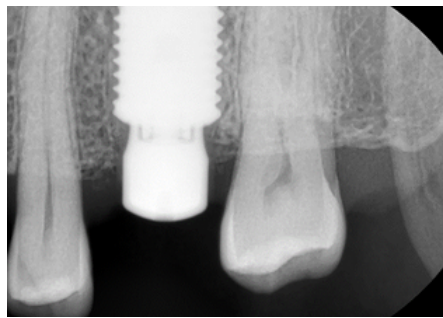


Healing abutment connected for one stage surgery and Ti-oss® graft pushed into the socket, preserving its porous nature.

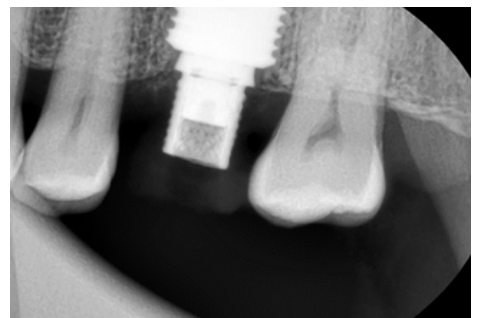
Treatment Progress and Follow-ups



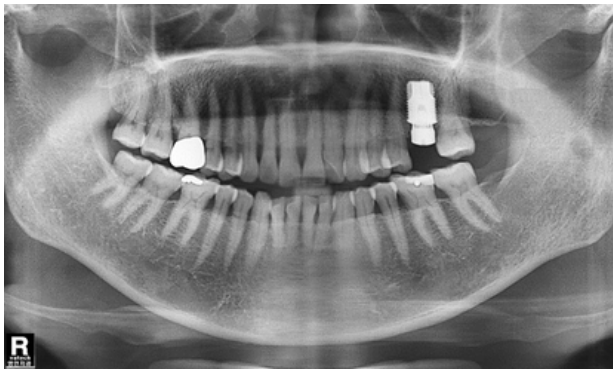
1 month after Surgery



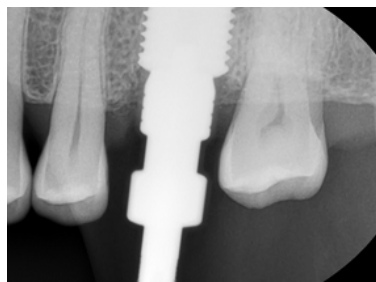
2 month after Surgery



Temporary loading after 2 ½ months



2 month after Surgery

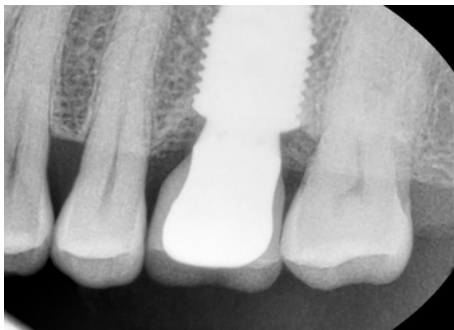


4 month after Surgery

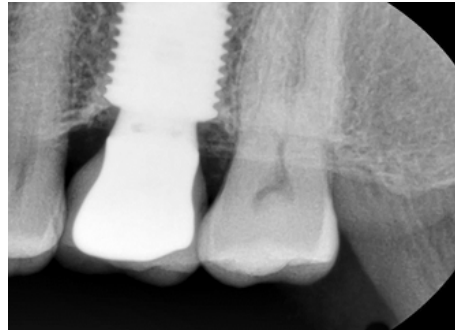


4 ½ months after surgery

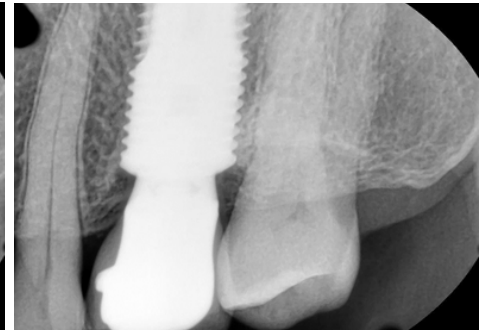
Immediate placement is well completed in 4 months using one stage procedure. This proves biologically accepting nature of Tioss[®].



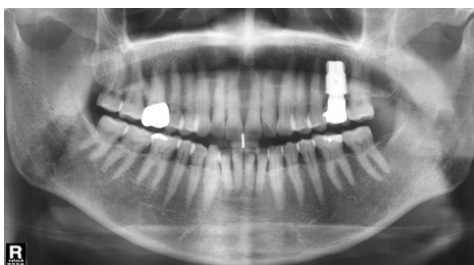
6 Years after Surgery (2017)



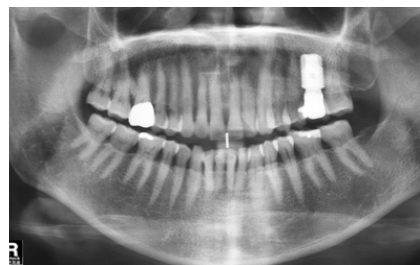
8 Years after Surgery (2019)



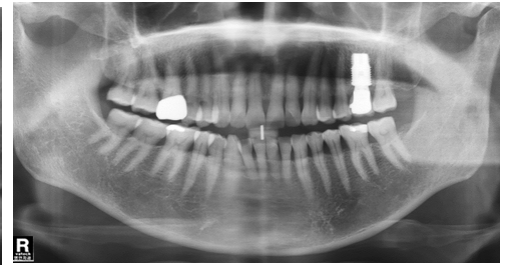
11 Years after Surgery (2022)



6 month after Surgery



33 month after Surgery



47 month after Surgery

Conclusion: A favorable amount of bone regeneration and long-term stability, in immediate molar implant insertion, is crucial for the success and survival rate of dental implants. In the present clinical case, Ti-oss[®], with its bone remodeling and osteoconductive properties, shows adequate bone formation and **10 years follow-up** shows bone stability at the implant area.