

A Pericardium Membrane powered by
GLYMATRIX® Technology

"OSSIX Agile™ has performed extremely well, as it is easy to trim, place with draping to the underlying bone, and tuck in easily beneath the flaps. For anyone accustomed to securing their membranes with tacks or sutures, you must try this, as it is remarkably easy to work with."

Dr. David Barack, DDS MS,
Periodontist
Private clinic, Chicago, US



Ridge Augmentation & Immediate Implant Placement

Case Description:

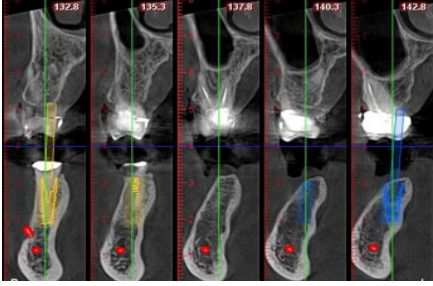
An 81-year-old female with a history of cancer and COPD presented for treatment. . She developed recurrent caries which necessitated the extraction of the mandibular left second premolar, leading to the subsequent loss of a fixed three-unit bridge. Significant horizontal and vertical atrophy had developed in the area of the missing first molar (#19).

Surgical procedure/ Treatment plan:

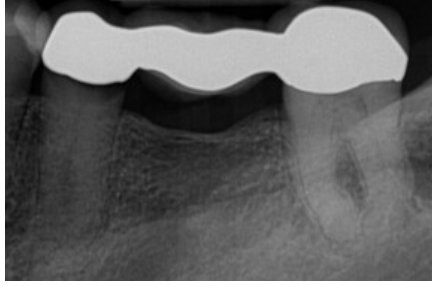
Full-thickness flap elevation was performed, along with the extraction of the mandibular left second premolar (#20). Implants were placed immediately into the extraction site (#20) and the adjacent edentulous area (#19)

OSSIX™ Bone was positioned buccally to implant #19 and both buccally and lingually to the implant in the socket. The site was then covered with OSSIX Agile™ and secured with a DS Heal Design Healing Abutment and one pin.

The approach demonstrated successful immediate implant placement, with both implants integrating and healing, surrounded by robust tissue and bone.



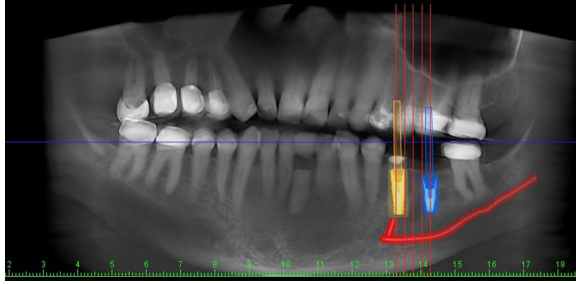
1.



2. Periapical radiograph of the mandibular left posterior area before removal of the bridge and surgical treatment



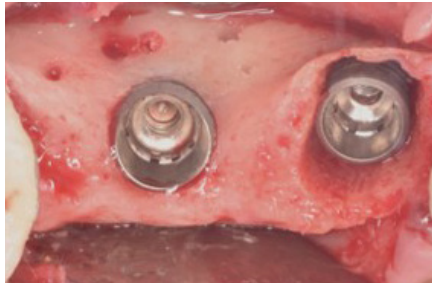
3. Severely atrophic buccal plate



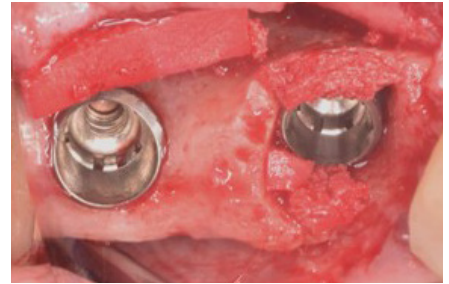
4. Panoramic image taken from the CBCT planning software showing the intended position of the implants to be placed



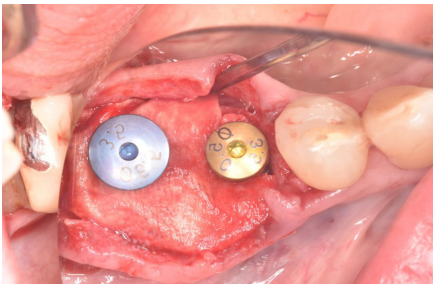
1. crestal view of the area before the surgery



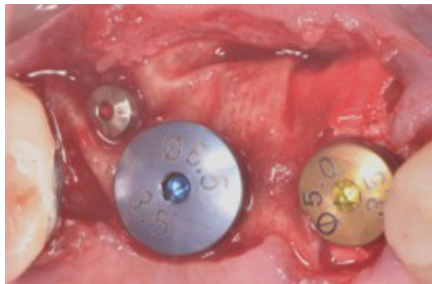
2. Premolar extracted, implants placed



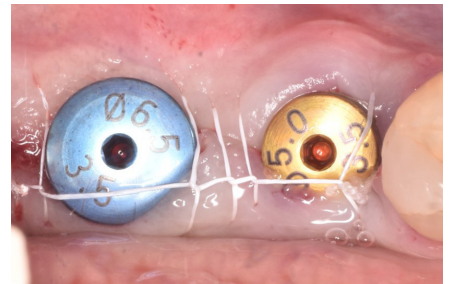
3. OSSIX™ Bone positioned buccally in atrophic area and adjacent to the implant in socket space



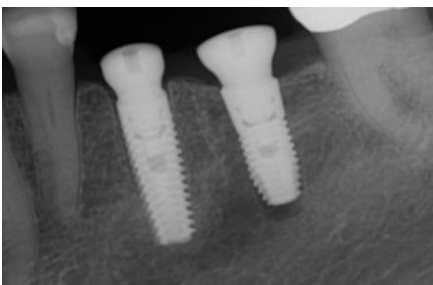
4. OSSIX Agile™ placed over graft material



5. OSSIX Agile™ tacked over the graft



6. Flaps sutured over OSSIX Agile™

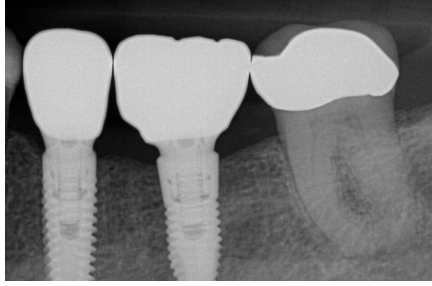


7. Radiograph showing the placed implants

Post-Op



1. Healing at 2 weeks



2. Post-implant placement at 4.5 months



3. Buccal view- 5 months post-procedure

Summary



Pre-OP - Severely atrophic buccal plate



Post-OP - Healing after 4 months

For more information on OSSIX® regenerative products and activities on your region:

www.datumdental.com



This case report is published as an inspiration for you as a clinician / technician and not necessarily as a recommendation from Dentsply Sirona