

OSSIX™ Bone

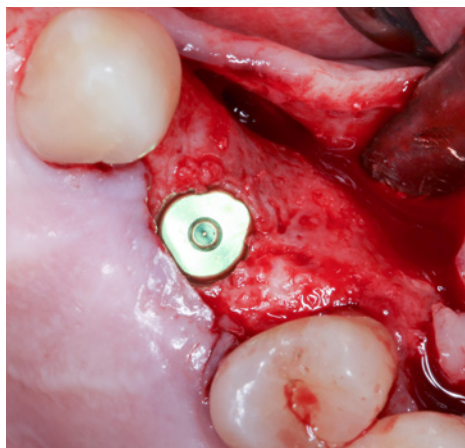
Ridge Augmentation with OSSIX™ Bone
and Simultaneous Implant Placement

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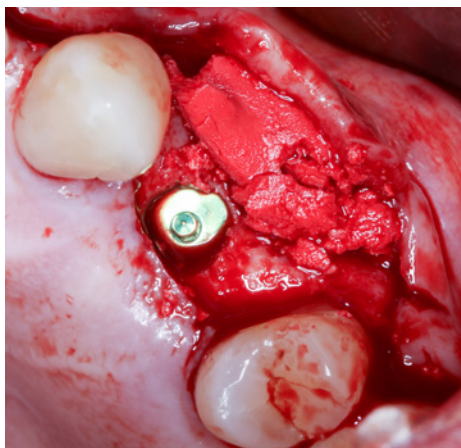
Case Background

A 67 year old female with no contributory medical history presented with an edentulous maxillary left 1st premolar. Patient reported the tooth had been missing for over 10 years. The ridge presented with a moderate ridge width deficiency and only 6mm of residual ridge thickness to support implant placement. The site was planned for implant placement with simultaneous guided bone regeneration.

Pre-Op

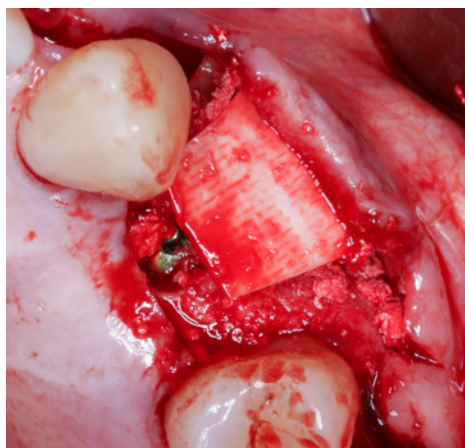


Following Implant placement, the width of the residual buccal plate was measured to be less than 1mm in thickness. Because good bleeding was noted at the site, no intra marrow decortications were placed.

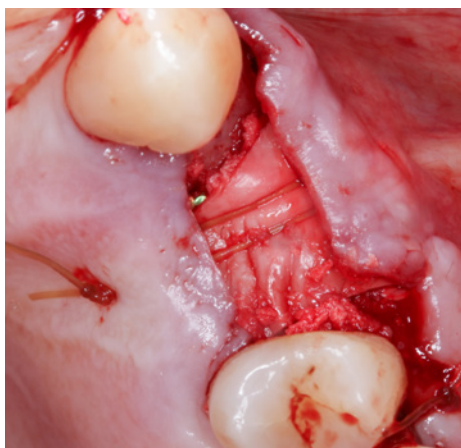


OSSIX™ Bone was adapted to the buccal plate defect and hydrated at the site with the patient's blood.

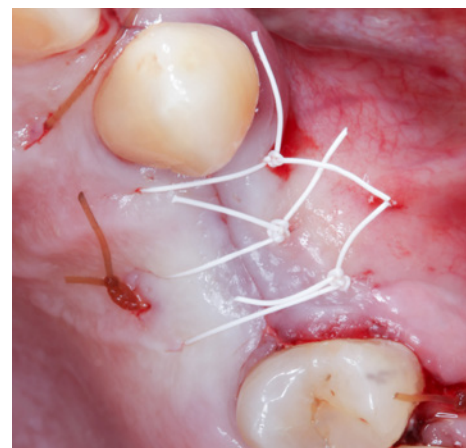
Procedure



An OSSIX® Plus membrane was adapted over the buccal occlusal line angle



The OSSIX® Plus membrane was stabilized over OSSIX™ Bone using a horizontal mattress suture with 4.0 chromic gut.



Primary closure was then obtained with 3.0 PTFE sutures.

Post-Op

Occlusal view at 3.5 months post-op reveals complete healing.



Healing of the site at 3 weeks reveals primary closure was maintained and normal healing with no signs of pain, swelling or infection.

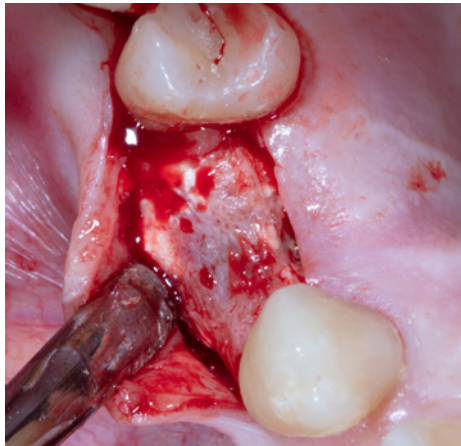


A CBCT was captured at 4 months post-op, revealing a significant increase in the thickness of the buccal plate.

Implant Exposure



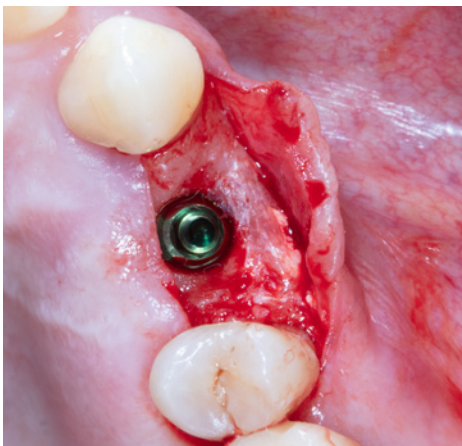
At 6 months the patient returned for uncovering of the implant.



A mid-crestal incision was placed, followed by the elevation of a full thickness mucoperiosteal flap. Hard tissue regeneration was noted 2-3mm over the implant platform.



Excess bone coronal to the implant platform was carefully removed with a combination of diamond burs and hand instruments.



Exposure of the implant reveals a significant increase in the width of the buccal plate, from less than 1mm to over 4mm following guided bone regeneration with OSSIX™ Bone and an OSSIX® Plus membrane.

Ridge Augmentation with OSSIX™ Bone and Simultaneous Implant Placement

OSSIX™ Bone is a resorbable sponge-like matrix of hydroxylapatite and collagen cross-linked by sugar. Developed to augment hard tissue in periodontal and implant surgeries, it is powered by GLYMATRIX® technology

OSSIX™ Bone is available in 3 sizes.

OSSIX® products are available in over 40 countries around the world.

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