Case Study

OSSIX® Volumax

Correction of Buccal Ridge Deficiency at Implant Second Stage Surgery

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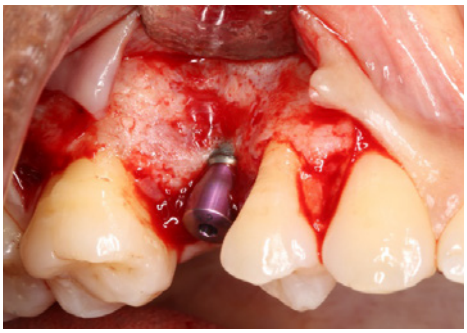
datumdental

Case background

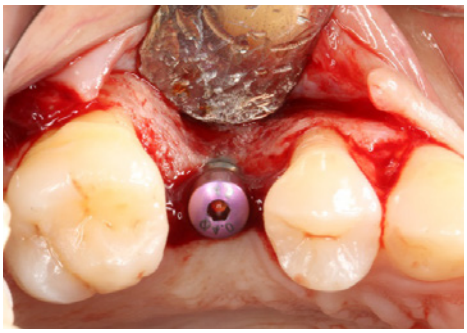
32 year old female presented with tooth #4 missing. Tooth had been extracted 5 years before initial examinations. A 3.6x13 mm implant was placed in conjunction with GBR to correct horizontal alveolar bone deficiency. At second stage surgery, volumetric soft tissue deficiency and thin buccal plate were found. Soft and hard tissue augmentation were performed using a double-layered OSSIX® Volumax scaffold, without bone grafting materials.

Pre-Op

Occlusal view of #4 implant before surgery to uncover the implant. Soft tissue volume deficiency detected



Flap elevation showing that the buccal plate was thin, but still present

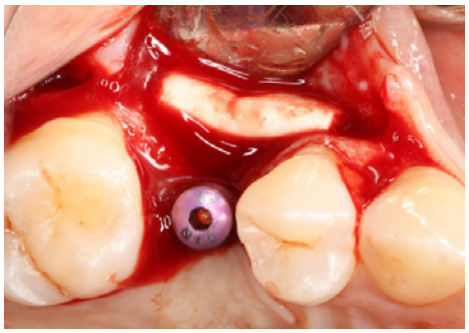


Occlusal view illustrates ridge deficiency that would result in poor esthetic outcome of the future implant restoration

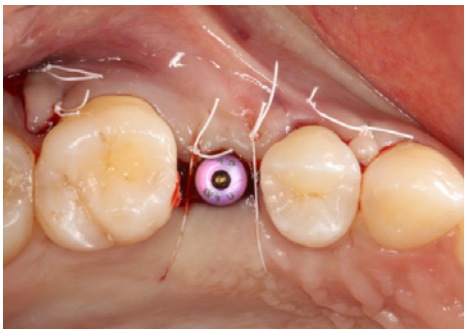
Procedure

OSSIX Volumax (25x30mm) after hydration in sterile saline

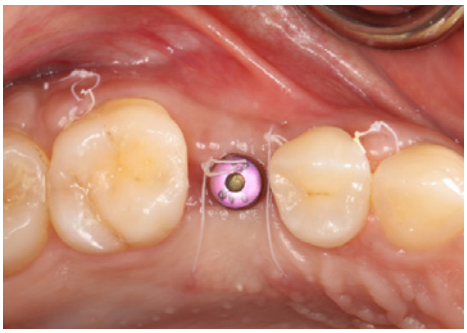
OSSIX Volumax folded in half for additional tenting and tissue thickness



OSSIX Volumax adapted for optimal ridge without bone graft



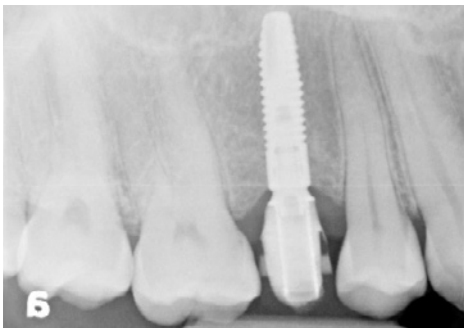
Buccal flag positioned and sutured with 4.0 PTFE sutures



2-week post-op showing optimal wound healing and ridge contours

Please refer to OSSIX Volumax IFU for the full information on indications and contraindications.

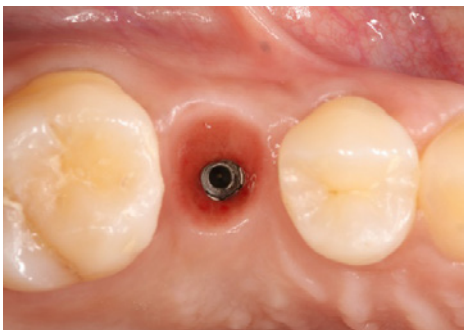
Provisional restoration was installed at 30 days to develop soft tissue profile



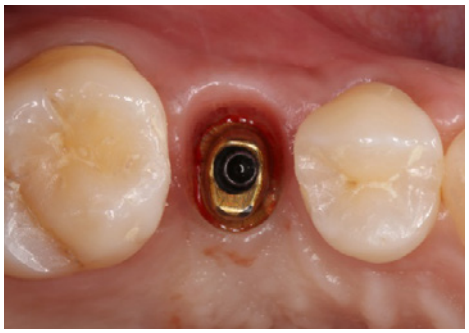
Radiograph at 30 days showing the provisional restoration

Follow-up – 3 to 5 months

Occlusal view at 3 months before final impressions



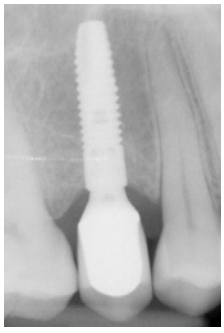
Occlusal view at 5 months showing stable results and soft tissue health



Abutment adaptation to the developed soft tissue profile

Final implant-supported crown – 5 months

Follow-up – 6 months



Radiograph at 6 months showing optimal crestal bone levels

Follow-up at 6 months showing stable results after final restoration

Buccal view showing excellent esthetic result with OSSIX Volumax

6 months CT scan. Original bone and OSSIX Volumax ossification visible

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OSSIX® Volumax is a thick, cross-linked, ossifying collagen scaffold, which restores lost volume in guided bone regeneration (GBR) and guided tissue regeneration (GTR) procedures.

OSSIX Volumax is available in 4 sizes.

OSSIX Volumax is currently available in the USA, Europe, Argentina, Canada, Chile, Colombia, Dominican Republic, Hong Kong, India, Israel, Korea, Mexico, and Singapore.

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