

# OSSIX<sup>®</sup> PLUS

OSSIX<sup>®</sup> PLUS is a cross-linked, ossifying collagen barrier membrane, for guided bone regeneration (GBR) and guided tissue regeneration (GTR) procedures.



With over 100 scientific publications, this resorbable collagen membrane has been in used in hundreds of thousands of cases for over a decade.

# OSSIX® PLUS — The Ossifying Membrane

## Featuring GLYMATRIX®

GLYMATRIX® is a proprietary collagen cross-linking technology, similar to the naturally occurring glycation process in the human body. The technology uses sugars to cross-link collagen molecules producing a collagen matrix, which can be tailored to deliver products of varying physical properties and customized longevity.

## What is OSSIX® PLUS?

OSSIX® PLUS is a resilient resorbable collagen membrane, featuring GLYMATRIX® technology:

- Maintains barrier functionality for 4-6 months
- Resistant to degradation when exposed for 3-5 weeks
- Excellent handling properties, adapts and conforms to defects, and adheres well to tissue
- Porcine derived, provides excellent biocompatibility and minimizes the risk of BSE contamination

## OSSIX® PLUS is intended for use during GBR and GTR procedures:

- Ridge augmentation for later implant insertions
- Simultaneous ridge augmentation and implant insertions
- Ridge augmentation around implants inserted in delayed extraction sites
- Ridge augmentation around implants inserted in immediate extraction sites
- Alveolar ridge preservation consequent to tooth (teeth) extraction(s)
- Over the window in lateral window sinus elevation procedure
- In implants with vertical bone loss due to infection, only in cases where satisfactory debridement and implant surface disinfection can be achieved
- In intra bony defects around teeth
- For treatment of recession defects, together with coronally positioned flap
- In furcation defects in multi rooted teeth

Please read IFU before use and for additional info on indications, contraindications, warnings and precautions.

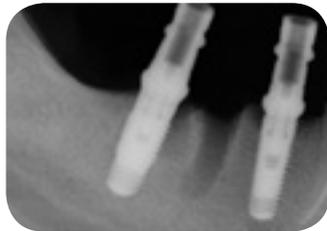
## Supporting Predictable Results



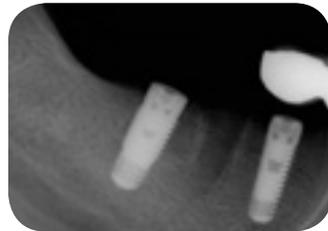
## OSSIX® PLUS — True Ossification

Ossification is defined as the formation of bone, the state of being changed into a bony substance.

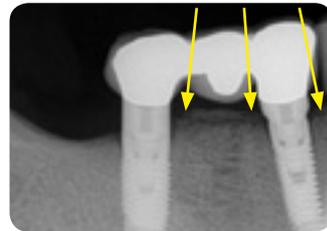
### Long Term Effect on Bone Formation



8/2011



1/2012

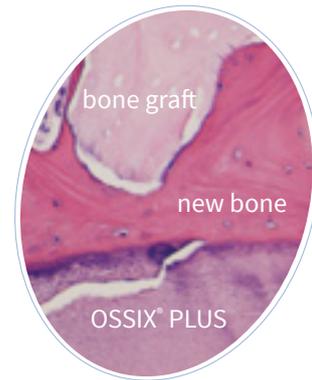


12/2015



8/2016

### Human Histology 4-6 Months Post-op



### OSSIX® PLUS Ossification — Supporting Publications

To the best of our knowledge, these are the first reports of complete ossification of a collagen barrier membrane in GBR procedures.

- Zubery et al. (2007). Ossification of a novel cross-linked porcine collagen barrier in guided bone regeneration in dogs. *J Periodontol* 78:112- 121.
- Zubery et al. (2008). Ossification of a collagen membrane cross-linked by sugar: a human case series. *J Periodontol* 79:1101-1107.
- Tal H, Kozlovsky A, Artzi Z, Nemcovsky CE, Moses O. (2008) Long-term bio-degradation of cross-linked and non-cross-linked collagen barriers in human guided bone regeneration. *Clin Oral Implants Res.* 19(3):295-30.
- Capri G, Smukler H, Landi L. (2012) A less invasive approach to mandibular horizontal ridge augmentation using autogenous bone: A human histological case series. *The Journal of Implants and Advanced Clinical Dentistry* 4:27-36.
- Artzi Z, Weinreb M, Carmeli G, Lev-Dor R, Dard M, Nemcovsky CE. (2008) Histomorphometric assessment of bone formation in sinus augmentation utilizing a combination of autogenous and hydroxyapatite/biphasic tricalcium phosphate graft materials: at 6 and 9 months in humans. *Clin. Oral Impl. Res.* 19; 686–692.

OSSIX® PLUS is currently available in countries on all continents including the USA, Canada, Europe, Asia, LATAM and Africa.

OSSIX® PLUS is available in 3 sizes.



## Redefining Regeneration

OSSIX® PLUS is part of the OSSIX® Dental line of premium products for GBR and GTR. Featuring the same proven GLYMATRIX® technology, OSSIX® VOLUMAX is an ossifying collagen scaffold, which restores lost volume in GBR and GTR procedures. It undergoes rapid ossification (in CT scans and histology after one month). OSSIX® VOLUMAX is thick (1-2 mm) and expands when wet, it has excellent handling, and is easy to use, adapting and adhering to the bone.

OSSIX™ GRAFT is our particulate allograft, currently available in the USA and Canada.

## About Datum Dental

Datum Dental Ltd., a subsidiary of Datum Biotech, was established in 2012 in order to develop, manufacture and market a full line of dental biomaterials for bone and tissue regeneration and augmentation.

Datum Dental's GLYMATRIX® technology is based on over 20 years of research, development, manufacturing and marketing. Hundreds of thousands of procedures have been performed using GLYMATRIX® based products in the dental and aesthetic fields, with an excellent record of efficacy and safety. This proprietary collagen cross-linking technology is highly controlled and predictable, producing collagen matrices with optimized bio-durability, high biocompatibility and excellent tissue regeneration properties.

datum**dental**

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