

# **OSSIX<sup>®</sup> PLUS**

## Delayed Implant in the Molar Area with Histology

Courtesy of  
Dr. Yuval Zubery, Ramat Hasharon, Israel

datumdental

# **OSSIX<sup>®</sup> PLUS**



**52 year old female presented with severe periodontal lesion in left maxillary molar. Following extraction the defect is filled with FDBA and covered with OSSIX<sup>®</sup> PLUS membrane.**

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## OSSIX® PLUS



6.5 Months later an implant is placed and covered with OSSIX® PLUS membrane with no bone graft. Primary closure with good soft tissue healing was achieved.

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## OSSIX® PLUS

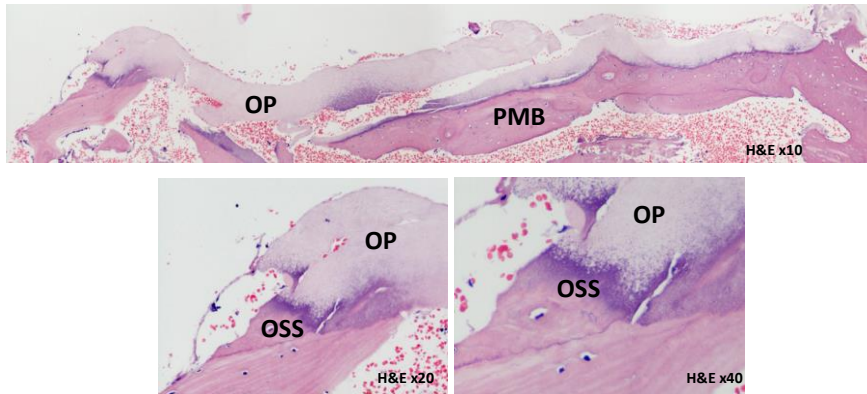


Radiograph at 2<sup>nd</sup> stage implant surgery with radio opaque line over the implant cover screw. Following flap elevation OSSIX® PLUS is still visible covering the implant and is removed for histological analysis.

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## OSSIX® PLUS



**Histological observation reveals intact OSSIX® PLUS (OP) with a dense layer of peri-membrane bone (PMB) and evidence of membrane ossification (OSS).**

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## OSSIX® PLUS

- Cross-linked resorbable collagen membrane for Guided Bone Regeneration and Guided Tissue Regeneration.
- Maintains barrier functionality for 4-6 months, allowing sufficient time for osseous defects to achieve optimal bone regeneration
- Resistant to degradation when exposed for 3-5 weeks
- The only known membrane to ossify
- Please read IFU before use and for additional information on indications, contraindications, warnings and precautions

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## Studies Demonstrating OSSIX® PLUS Ossification

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, Zubery et al 2008)

The following articles were submitted to the FDA and can be referred to if required.

- 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* 79:101-1107
- 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 serious. *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

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## Yuval Zubery, DMD

Yuval Zubery graduated and earned his certificate in Periodontics from The Hebrew University in Jerusalem, School of Dental Medicine.

Dr. Zubery has been a visiting professor at The University of Texas, Health Science Center in San Antonio, Texas and on staff at Tel-Aviv University in Israel from 1988-1995.

Dr. Zubery publishes and lectures both nationally and internationally on bone and tissue regeneration and is currently CMO of Datum Dental Ltd.



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## Thank You

Please read IFU before use, for full information on indications, contraindications, warnings and precautions

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