OSSIX™ Bone

Regenerating True Bone the Natural Way!

OSSIX™ Bone is a resorbable sponge-like matrix of hydroxyapatite and collagen cross-linked by sugar. Developed to augment hard tissue in periodontal and implant surgeries, it also utilizes GLYMATRIX® technology featured in OSSIX® PLUS and OSSIX® VOLUMAX.
OSSIX™ Bone – True Bone Regeneration the Natural Way

What is OSSIX™ Bone?
OSSIX™ Bone is a sponge-like ossifying block for true bone formation, featuring GLYMATRIX® technology.
• Hydroxyapatite and sugar cross-linked collagen matrix
• Provides a spacious environment for vascularization, cellular proliferation and bone maturation
• Bone forming material that contributes to the ossification process

OSSIX™ Bone Can Be Used:
• For socket preservation following any extraction procedure
• In closed sinus augmentation procedures prior to, or in conjunction with implant placement
• In lateral and vertical bone augmentation prior to, or in conjunction with implant placement
• To correct bony defects in implants with peri-implantitis
• In periodontal bony defects around teeth

OSSIX™ Bone Main Benefits*:
• Easy to Use
• Undergoes ossification
• Provides true bone (no remnants)
• No migration of particles
• Cost effective for Doctor and Patient
• In socket preservation can be used without a membrane
• Predictable results and consistent efficacy

Please refer to the IFU before use and for the information on indications, contraindications, warnings and precautions.

OSSIX™ Bone - your new alternative!

<table>
<thead>
<tr>
<th>Parameter</th>
<th>OSSIX™ Bone</th>
<th>Autogenous Bone</th>
<th>Allograft (Particulate, Blocks)</th>
<th>Xenograft (Particulate, Blocks)</th>
<th>Synthetic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety &amp; Biocompatibility</td>
<td>+++</td>
<td>+++</td>
<td>++</td>
<td>+</td>
<td>++/++</td>
</tr>
<tr>
<td>Bone Promotion (efficacy)</td>
<td>+++</td>
<td>+++</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Consistent Performance</td>
<td>+++</td>
<td>+++</td>
<td>+</td>
<td>+</td>
<td>++</td>
</tr>
<tr>
<td>Ease of Use</td>
<td>+++</td>
<td>++</td>
<td>++</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>No Migration</td>
<td>+++</td>
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<tr>
<td>Morbidity</td>
<td>+++</td>
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</tbody>
</table>

**OSSIX™ Bone in a socket preservation procedure**

- Periodontal-endodontal lesion in tooth #19
- Following extraction and debridement OSSIX™ Bone was placed in the socket
- 4 months - implant placed in newly formed bone with a healing abutment
- 7 months - implant is fully integrated and ready to be restored

**OSSIX™ Bone in a trans-crestal maxillary sinus elevation procedure**

- Before
- After

Courtesey: Dr. Matthew Fien, Deerfield Beach, FL, USA

**OSSIX™ Bone in an osteotome sinus elevation procedure**

- Pre extraction
- At implant placement
- 5.5 months - implant is fully integrated
OSSIX™ Bone is currently available in the USA (pending Health Canada license and CE Mark in Europe).

OSSIX™ Bone is a sponge-like block available in 3 sizes:
- 5x5x5 mm (0.125cc)
- 5x5x10 mm (0.25 cc)
- 5x10x10 mm (0.5 cc)

Redefining Regeneration

OSSIX™ Bone is part of the OSSIX® Dental Regeneration Portfolio of innovative products. Additional products include:

- OSSIX® PLUS - the ossifying resorbable collagen membrane that maintains a barrier effect for 4-6 months and is resistant to degradation for 3-5 weeks if exposed.
- OSSIX® VOLUMAX is a thick cross-linked, ossifying collagen scaffold which restores lost volume. It won the DrBicuspid Dental Excellence Award for Best New Regenerative Material in 2017.
- OSSIX™ Bone features the same proven proprietary GLYMATRIX® technology as OSSIX® PLUS and OSSIX® VOLUMAX. Our products featuring GLYMATRIX® are supported by over 100 scientific peer-reviewed publications, spanning over 15 years of market presence.

OSSIX™ GRAFT is a 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 25 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.