



Endobon[®] Xenograft Granules
Bone Augmentation Material

Product Information



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Why Do I Need Bone Augmentation?

Bone augmentation is most often used to prepare a site for dental implants that are needed to replace a missing tooth or teeth. Bone in an area where teeth have been lost naturally shrinks or resorbs over time, both in height and width. As a result, new bone must be grafted to create a secure site for placing implants and to achieve aesthetic results. Bone grafting can also be used to save teeth that have experienced bone loss.¹

What Does Bone Augmentation Entail?

The surgical site is numbed locally. In the region requiring bone reconstruction, a small opening is created. A bone replacement material such as Endobon Xenograft Particulate is placed into the opened receptor site. The bone replacement material is then stabilized with a protective covering (a so-called membrane) and closed for the duration of the healing phase.¹

What Are Endobon Xenograft Granules

Endobon Xenograft Granules are bone grafting products obtained from bovine (cow) bone and are used in a variety of indications to rebuild oral bone. Endobon is a non-resorbable bone matrix that guides and facilitates bone regeneration and growth at the intervention site to replace what has been lost due to a variety of reasons.

What Types Of Bone Grafts Exist?

Bone can be taken from another part of the patient's body and transplanted to the site needing regeneration. Because this method of bone grafting often results in post-surgical pain and discomfort at the donor site, bone grafts are commercially available to avoid this surgical step. Commercially-available bone grafts originate from human donors or animal bone, like Endobon Xenograft Granules, or are synthetically manufactured.



What Happens To Endobon Xenograft Granules In The Body?

Endobon Xenograft Granules are considered to be nonresorbable and will remain in the body for a very long time.² The new bone cells colonise the Endobon grafting material and incorporate it into the newly formed bone.

How Do I Know It Is Safe?

Endobon Xenograft Granules are sterile and biocompatible. They are processed through a high temperature sintering process in compliance with strict procedures for consistency and quality. These processes ensure high standard for safety and quality. Zimmer Biomet Dental is committed to offering products with the highest possible quality and safety standards. For this reason, an independent Notified Body reviews and approves the manufacturer per standard processes. Endobon Xenograft Granules are medical devices that comply with European Regulations for CE Certification. However, transmission of diseases by biological materials cannot be ruled out with absolute certainty.

What Has To Be Considered?

Endobon Xenograft Particulate should be restricted for patients with the following circumstances or biologic conditions:²

- Existing acute and/or chronic infections, especially at the site of the operation, e.g. inflammatory bacterial bone diseases (acute or chronic osteomyelitis) and soft-tissue infections.
- Patient conditions including blood supply limitations, insufficient quantity or quality of bone, or latent infections.
- Uncooperative patients or patients with neurologic or psychiatric/psychological dysfunction.

The use of Endobon Xenograft Granules to fill bone defects may be a solution despite the presence of some of the circumstances listed above.²

References

1. Elgali, I., et al., Guided bone regeneration: materials and biological mechanisms revisited. *Eur J Oral Sci*, 2017. 125(5): p. 315-337.
2. Endobon Xenograft Particulate, Instructions for use (IFU).

Please note that while this brochure is designed to address some of the frequently asked questions about Endobon Xenograft Granules, individual factors may limit product use in certain indications. Please read instructions for use for more information.



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