

We recommend that the identification stickers that come with the product be attached to the patient's documentation: clinical record of the patient, the report delivered to the patient, product sales invoice, vendor control and control of the surgeon in charge, ensuring the complete traceability of the product.

Contra indications

1. Bonefill, as well as all the other biomaterials, should not be placed on an existing active infection or in any other degenerative disease that might affect the biomaterial's placement.
2. It must not be utilized in patients that are notable, under the clinical point of view, to be submitted to a medical or odontological intervention. Such as, for example, in patients with uncompensated diabetes.
3. Bonefill is not indicated for odontopediatric patients.
4. It's contraindicated for procedures different from those recommended in item "Use Indication".
5. Bonefill should not be exposed to the external medium.

STERILIZATION

Bonefill is supplied STERILE (Gamma Radiation 25kGy), provided the package integrity is not compromised.

PRE AND POST-SURGICAL CARES

The pre-surgical evaluation, the correct indication of materials and the employment of compatible techniques and procedures, as well as the post-surgical follow-up and controls, are fundamental to achieve the desired results.

Pre-Surgical: All the patients that will be submitted to a surgical procedure must be carefully examined and evaluated with the purpose of determining their clinical and radiographic state, as well as their dental, bone, or adjacent soft tissue deficits that might influence the final result of the intervention.

Post-Surgical: Depending on the procedures and professional technical conduct, painkillers, antibiotics and/or rest for 24 to 48 hours may be. The product must not be exposed to the oral environment on the immediate post-operative. There must be a good coaptation of the surgical flap edge, in order to not have the Bonefill exposure, which would compromise the surgery outcome. The exposition to the oral environment decreases drastically the absorption time.

SPECIAL CONDITIONS FOR THE PRODUCT'S STORAGE AND TRANSPORTATION, CONSERVATION AND/OR HANDLING

Storage and Transportation:

Store and transport the product away from direct sunlight, and from heat. (temperature between 15-25°C) and humidity sources. Keep the packaging sealed until its utilization time. Do not use it if the sterile package has been opened, or if it's damaged, or if the sterilization validity date has expired in order to avoid possible contamination. Discard any mischaracterized product according to the applicable legislation for hospital waste, or return the damaged packages to the factory, including the device.

Conservation and Handling

In case of any alteration in the Bonefill characteristic that might have mischaracterized it, please discard it according to the applicable legislation for hospital waste, or return the damaged packages to the factory, including the device.

COMMERCIAL PRESENTATION FORMS

Bonefill available in the form of granules and blocks.

Bonefill with fine granulation (particles with a diameter of up to 0.6 mm), average granulation (particles with diameter between 0.6 mm and 1.5 mm), and large granulation (particles with diameter between 1.5 mm and 2.5 mm)

USE INSTRUCTIONS

When using Bonefill – Materials for bone graft in its various presentations, the professional should observe the general surgical principles of sterile handling and prophylactic medication of the patient, completely eliminating the granulation tissue and preparing the receiving bed with bone perforations to promote blood nutrition.

The incisions should produce flaps of the soft tissue without damages, with enough flexibility to completely cover the implanted biomaterial, free from stress during the suturing procedure. In case the flaps are not enough to cover, the professional should make additional incisions on the periosteum to release and increase the flexibility of the soft tissue for covering.

The Guided Bone Regeneration techniques strongly recommend the use of membranes and barriers. In the same way, Bonefill – Materials for bone graft should be isolated from the soft tissues with a barrier that promotes the osteoconductive mechanism of its particles.

Bonefill Granules

1. It should be placed in the defect using sterile instruments (curettes or spatulas), without the mandatory need for prior hydration.
2. Modeling in situ can be performed with a spatula or another suitable instrument chosen by the surgeon.
3. It is advisable to cover the granulated biomaterial with a membrane or barrier according to the protocols of the regenerative techniques should avoid competition of the soft tissues and maintain the stabilization of the material.

Bonefill Block

1. Bonefill Block is presented in pre-manufactured measurements and shapes by Bionnovation. To use, remove from the pack and model it giving the desired shape for the region to be implanted. For modeling, scissors, hemostatic forceps or drills can be used.
2. Bonefill block is presented in pre-manufactured measurements and shapes by Bionnovation.
2. Observe the preparation of the area and use of suitable sterile scrub of the surgeon, assistants and patient for a sterile procedure.
3. Using sterile gloves remove the block from the pack and model it with the aid of scissors, hemostatic forceps or drills, giving the desired shape for the region to be implanted.
4. Before applying the product, the receptor bone region of the biomaterial must be exposed and curetted, decorticated or perforated to produce bleeding and nutrition of the graft. Areas impaired with injuries must be carefully treated with the removal of the impaired tissue. It is at the discretion of the surgeon to use the graft in areas that are infected and with the presence of suppuration. Bionnovation does not indicate its use in critical infectious conditions.
5. Irrigate the site before placing the graft.
6. After exposure, creation of nutrition and bleeding of the receptor area, the Bonefill block can be attached with the aid of a graft and fixation screw, providing greater stability to the bone block.
7. Ensure maximum contact between the bone substitute material and the receptor bone, with complete filling of the space. The Bonefill particles can be used to help fill the spaces.
8. Reposition the flap over the grafted area and ensure the complete covering of the surgical bed. There can be no exposure of the biomaterial because it is essential for the surgical success and to avoid contamination of the area.
9. Like in any Bone Regeneration technique, Bionnovation strongly recommends the use of membranes or barriers that promote cellular exclusion.
10. For all regeneration techniques, the surgeon must be very cautious when displacing flaps in order not to damage the soft tissues and periosteum. The health of these is very important in the prevention of early exposure of the implanted materials.

Special instructions for use in periodontal correction procedures

A basic requirement for a well successful periodontal treatment includes the control of any bacterial infection as well as careful oral hygiene. Therefore, it is advisable to have a health promotion and oral preparation phase prior to the surgical implant procedures, combined with instructing the patients regarding the oral hygiene maintenance procedures. Also, carry out a careful treatment of the periodontal lesion (scraping, root planing, decontamination and debridement) before the implant. The application of the granulated biomaterial in the bone defects should be followed by the use of barrier or membrane for good tissue regeneration.

CARE WHEN DISCARDING THE PRODUCT

The product's disposal must comply with the environmental and biosafety laws in force. Do not discard contaminated products in the general waste.