

Neobone[®]

Granules for Dental Application



Background

As a result of early dental loss or after tooth extraction often occurs a rapid bone absorption that can have two implications for implant surgery. First, the bone ridge can be too thin to accommodate a dental implant and second the aesthetic outcome of the implant restoration can be compromised. These may influence the dental implant osseointegration and its good biomechanical performance.

Therefore, after extractions, it is necessary to preserve alveolar bone so the original shape of the dental sockets can be preserve. Bone grafting can be undertaken to increase bone volume to allow implant placement but also to improve the aesthetic outcome of the final implant restoration.

The alveolar ridge preservation with calcium phosphates granules prevents the immediate absorption of the alveolar bone after tooth removal. The granules behave as a matrix for bone to grow, reestablishing bone dimensions and bone structure, by apposition in the surface of the bone substitute in a process that, after approximately 6 months, leads to the total replacement of the bone substitute into vital bone. In addition, the increase of bone volume allows a higher support of the soft tissues, leading to an improved facial aesthetics.

Neobone®

Granules for Dental Application



Composition

Neobone® - granules for dental application are a synthetic mixture of Hydroxyapatite and β -tricalcium phosphate (β -TCP) which closely resembles the mineral phase of natural bone.

Advantages

Neobone® - granules for dental application are entirely synthetic. Hence, the product does not involve any risk of adverse immune response.

Neobone® - granules for dental application are rapidly osseointegrated due to its chemical composition, similar to the human bone mineral phase, and to its interconnected porosity, which allows a total vascularization of the implant.

Neobone® - granules for dental application unique sphere like shape allows the filling of irregular shaped cavities.

Neobone® - granules for dental application are biocompatible, radiopaque and avoid the use of autologous graft.

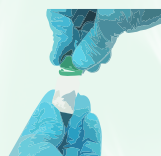
Presentations

Sizes (μm)	Qt (g/pack)	Reference
75-125	0.5	GD105
	1.0	GD110
125-355	0.5	GD205
	1.0	GD210
355-500	0.5	GD305
	1.0	GD310
500-1000	0.5	GD405
	1.0	GD410

Applications

Neobone® - granules for dental application are intended for filling and reconstruction of bone defects in oral, maxillofacial and dental surgery.

Indications of use



Hold the bottle firmly in one hand and carefully open it to avoid spilling the granules.

Impregnate **Neobone® granules for dental application** with patient's blood or autologous bone marrow. Do not humidify excessively.

The flat side of a sterile spatula may be used to mix **Neobone® - granules for dental application** with the liquid. The humidified granules must be applied in direct contact with the porous autologous bone. Its surface must bleed slightly.



Gently fill each defect progressively up to the highest level of the bone cavity.



Once completely filled with **Neobone® - granules for dental application**, the wound must be carefully adjusted. Wound closure must be complete and airtight. A membrane can be used to ensure full closure.



Manufactured by
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