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Synthetic calcium phosphate surgical material for restoration of hard tissues defects

DSI Syntoss

INSTRUCTIONS FOR USE

DSI Syntoss bone material supplien in the form of granules based on β-tricalcium phosphate (60%) with hydroxyapatite (40%).

PURPOSE

DSI Syntoss is osteoplastic material, for optimisation of bone regeneration in general dental and maxillofacial surgery, as well as in traumatology and orthopedics. Prepared by sintering of synthetic materials, it does not contain substances of animal origin, biologically compatible with body tissues. Granules have a high micro-, macro- and intergranular porosity, creating ideal conditions for the fast recovery of the bone. The material is radiopaque.

FIELD OF USE

Parodontics: filling a two-or multi-bone pockets and bi-and tri-furcations of the teeth, augmentation of the atrophied sinus.

Implantology: sinus lifting or sub-antral augmentation (mixed with patient bone or allograft), filling of alveolar defects for supporting of sinus base after the tooth extraction, filling extraction defects prior the implant placement.

Cyst defects: Defects after extirpation of the bone cyst, defects after resection of the root apex and defects after removal of impacted teeth surgically, as well as other multi-grid bone defects of the alveolar processes and facial bones.

FEATURES

Sterile and gradually resorbable bone substitute material.
Releases calcium and phosphate ions to help promote new bone formation.

Syntoss arrives in the different particle size as following:
• 100-500 μm – small periodontal bone defects;

• 500-1000 µm – universal particle size for most cyst and alveolar defects;
• 1000-2000 µm – recommended for large defects and sinus lifting.

The choice of granules size depends on the size and the location of the defect.

DSI Syntoss granules have an osteoconductive micro-and-macroporous structure that fosters dense new bone growth. Depending on the size of the granules and tissue regeneration potential of the materials, DSI Syntoss is completely absorbed in 6 to 9 months. Granules dissolving process takes place in parallel with the regeneration.

DIRECTION FOR USE

After the necessary preparatory surgical procedures, the granules can be mixed with the patient's blood or with saline solution in a sterile. Dappen dish before being placed onto the operative site using a dental spatula. For large bone defects, mix with bone particles from the same patient (autologous bone) for the best results. The operative site will have to be closed by joining together the wound edges (coaptation) with suture stitches.

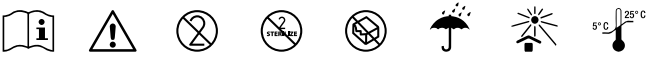
PACKAGING:

Type	Size	Products	REF
Granules	0.25 cc	Bits 500-1000 µm	BG47702
Granules	0.5 cc	Bits 500-1000 µm	BG47705
Granules	1.0 cc	Bits 500-1000 µm	BG47710
Granules	2.0 cc	Bits 500-1000 µm	BG47720
Granules	5.0 cc	Bits 500-1000 µm	BG47750
Blocks	☐ 5 x 5 x 5 mm	4 pcs in vial	BG470505
Blocks	☐ 5 x 5 x 10 mm	2 pcs in vial	BG47510
Cones	Ø 5 x L 15 mm	2 pcs in vial	BG47515
Cones	Ø 7 x L 17 mm	2 pcs in vial	BG47717

Sterile vial in blister package (sterilised by gamma radiation – minimal dose: 25 kGy).

STORAGE

Store in a dry and dark place in tightly closed containers at temperature (+5°C…+25°C).
Avoid contact with moisture! Do not use after the expiry date mentioned on the outer package.



STERILE R

ATTENTION! The sterility of the product cannot be guaranteed if the package bears evidence of damage, has been opened previously or wet.

Failure to comply with the conditions of storage leads to a change of the working characteristics of the material and decrease the shelf life of the material.
The manufacturer is not responsible for any loss of quality caused by the failure to comply with terms of transportation, storage and use established by the manufacturer for this product. Responsibility for the use of the material for purposes other than those specified by the manufacturer falls on the user.