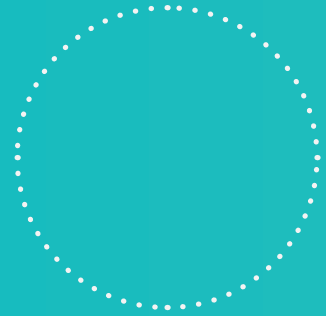
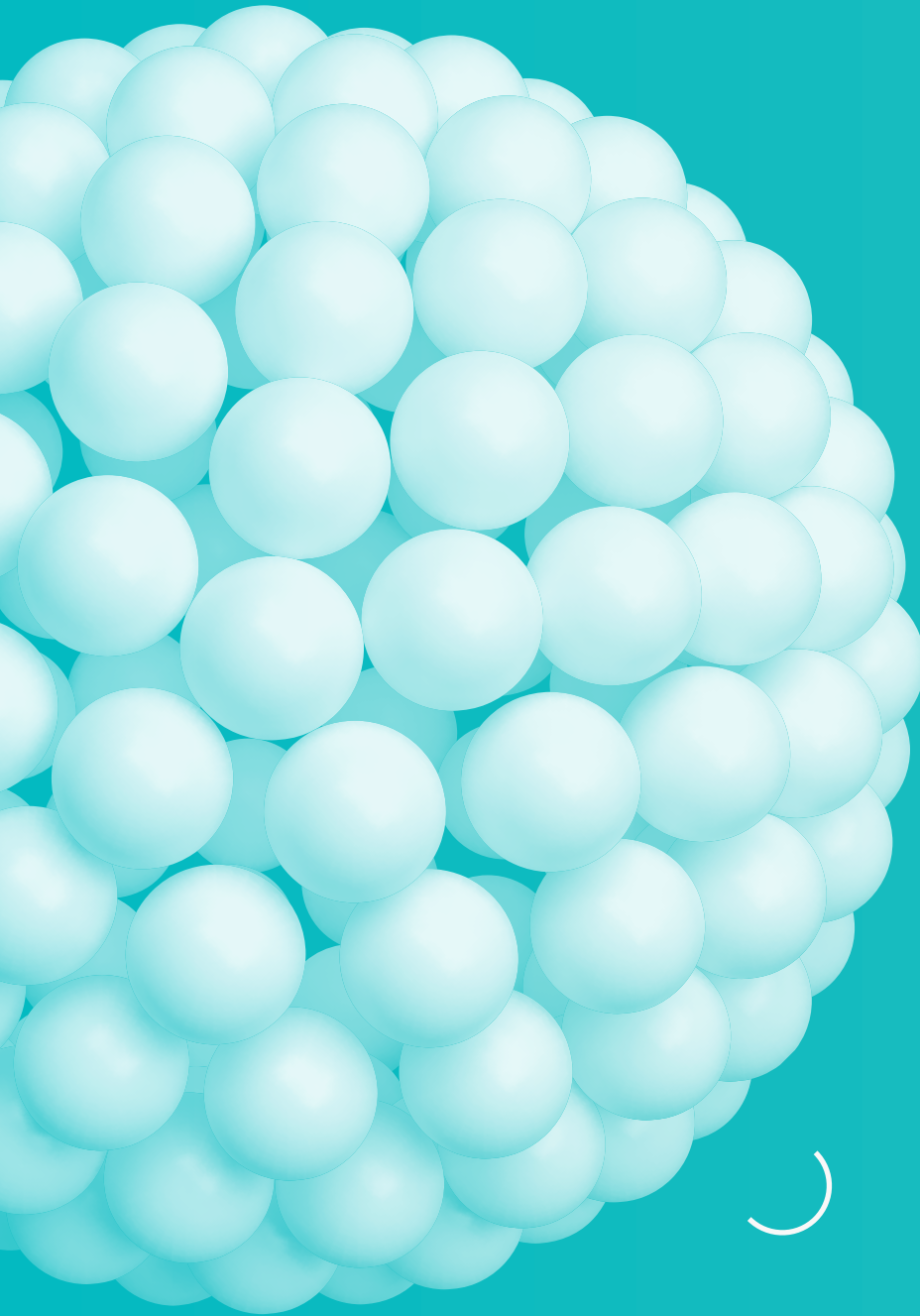


spherHA
Dental



The shape of bone healing
Nano-structured bio-mimetic HydroxyApatite

SpherHA Granules & Chips

Dense granules and porous chips available in two different granulometries (0.5-1 mm and 1-2 mm) and multiple formats (from 0.5 cc to 2 cc).

Dense granules are compact and similar to the human cortical bone; their remodeling time is slower than porous chips, which resemble cancellous bone. The spherical shape and uniform size of SpherHA granules allow an optimal filling of large irregular defects and the formation of homogeneous inter-granular pores, thus improving osteointegration and bone remodeling.

Indications

Filling of small and medium-size bone defects, maxillary sinus lifts, peri-implant defects, and post-extraction sockets.



SpherHA Injectable Paste

Injectable paste with a high-density mixture of nanocrystals and micropowder of nanostructured hydroxyapatite, in a phosphate-buffered saline solution with physiological pH; available in a wide range of formats (from 0.25 cc to 2 cc). A small tip is available inside the package for a precise *in situ* application.

Indications

Filling of periodontal and peri-implant defects, maxillary sinus augmentation with crestal access.



SpherHA Moldable Crunch

The Crunch formulation, with the addition of microgranules with specific granulometry, shows a higher nanostructured hydroxyapatite amount than the injectable paste, thus resulting in an extremely moldable and stable mixture even in a bleeding environment. The open-mouth syringes allow the extrusion of the product in a cylindrical shape, easily adaptable and conformable to any implantation site.

Indications

Filling of paradontal, peri-implant and post-extractive bone defects. It is also indicated for sinus lift with vestibular access.



Nano-structured bio-mimetic HydroxyApatite



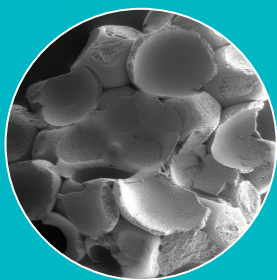
SpherHA is a line of innovative synthetic bone substitutes, based on biomimetic nanostructured hydroxyapatite.

SpherHA is available in dense granules, porous chips, injectable paste, and moldable crunch in a wide range of sizes, to respond in a practical and functional way to multiple implant requirements.

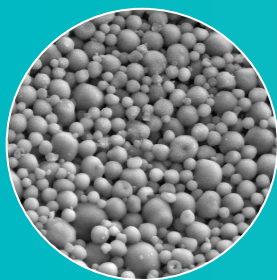
SpherHA hydroxyapatite is a calcium phosphate biomaterial with Ca / P ratio of 1.67, the same as the human bone apatite. Its nanocrystals composition, structure, and size are remarkably similar to the human mineral bone matrix.

SpherHA is a biomimetic bone substitute with high surface/volume ratio, thus being an ideal scaffold for osteointegration and regeneration of bone defects. The highly porous and interconnected structure is optimally osteoconductive: it promotes cellular colonization, nutrients exchanges, and rapid vascularization.

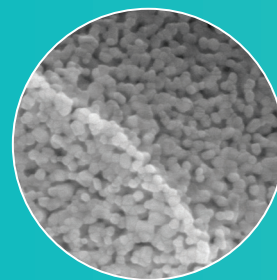
Thanks to its specific composition and nanometric dimension of the crystals, SpherHA bone substitutes are completely degraded by osteoclastic activity and physiologically remodeled into new vital bone tissue.



MACRO-POROSITY
200-500 μm



MICRO-POROSITY
2-3 μm



NANO-POROSITY
40-80 nm

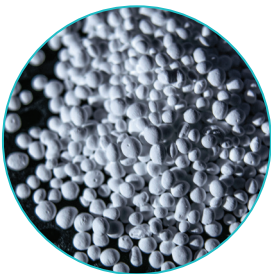


- Complete biocompatibility.
- Highly porous and interconnected structure to support optimal osteoconduction.
- High surface/volume ratio to improve the biological response.
- Osteostimulation properties that helps bone regeneration.
- Excellent chemical-physical stability.
- Complete remodeling in physiological times.

Product list

Dense Granules

SHA-D0501	SpherHA dense granules (0,5-1 mm)	1 btl.	0.5 cc
SHA-D0506	SpherHA dense granules (0,5-1 mm)	6 btl.	0.5 cc
SHA-D1001	SpherHA dense granules (0,5-1 mm)	1 btl.	1 cc
SHA-D1006	SpherHA dense granules (0,5-1 mm)	6 btl.	1 cc
SHA-D2001	SpherHA dense granules (0,5-1 mm)	1 btl.	2 cc
SHA-D2006	SpherHA dense granules (0,5-1 mm)	6 btl.	2 cc
SHA-D4001	SpherHA dense granules (0,5-1 mm)	1 btl.	2 cc
SHA-D4006	SpherHA dense granules (0,5-1 mm)	6 btl.	2 cc
SHA-D20201	SpherHA dense granules (1 -2 mm)	1 btl.	2 cc



Porous Chips

SHA-P0501	SpherHA porous chips (0,5-1 mm)	1 btl.	0.5 cc
SHA-P0506	SpherHA porous chips (0,5-1 mm)	6 btl.	0.5 cc
SHA-P050S1	SpherHA porous chips (0,5-1 mm)	1 syr	0.5 cc
SHA-P050S3	SpherHA porous chips (0,5-1 mm) (filter cap syr)	3 syr	0.5 cc
SHA-P1001	SpherHA porous chips (0,5-1 mm)	1 btl.	1 cc
SHA-P1006	SpherHA porous chips (0,5-1 mm)	6 btl.	1 cc
SHA-P20101	SpherHA porous chips (1-2 mm)	1 btl.	1 cc
SHA-P20106	SpherHA porous chips (1-2 mm)	6 btl.	1 cc
SHA-P20201	SpherHA porous chips (1-2 mm)	1 btl.	2 cc
SHA-P20206	SpherHA porous chips (1-2 mm)	6 btl.	2 cc





spherHA

Injectable Paste

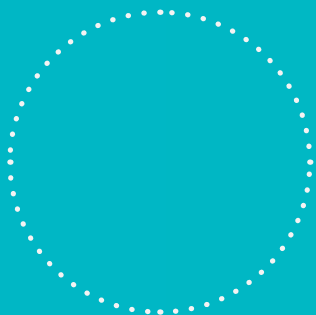
SHA-PA0251	SpherHA injectable paste	1 syr.	0.25 cc
SHA-PA0253	SpherHA injectable paste	3 syrs.	0.25 cc
SHA-PA0501	SpherHA injectable paste	1 syr.	0.5 cc
SHA-PA0503	SpherHA injectable paste	3 syrs.	0.5 cc
SHA-PA01001	SpherHA injectable paste	1 syr.	1 cc
SHA-PA01003	SpherHA injectable paste	3 syrs.	1 cc



Mouldable Crunch

SHA-CR0501	SpherHA mouldable crunch	1 syr.	0.5 cc
SHA-CR0503	SpherHA mouldable crunch	3 syrs.	0.5 cc
SHA-CR0101	SpherHA mouldable crunch	1 syr.	1 cc
SHA-CR0103	SpherHA mouldable crunch	3 syrs.	1 cc
SHA-CR2001	SpherHA mouldable crunch	1 syr.	2 cc



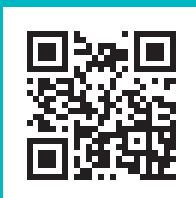


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Literature

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