OsteoBiol® Apatos

Nanocrystalline hydroxyapatite

CHARACTERISTICS

Apatos is a biomaterial of heterologous origin with characteristics similar to mineralized human bone; it can therefore be used as an alternative to autologous bone. The natural microporous consistency of Apatos facilitates the formation of new bone tissue in bone defect area, accelerating the process. Apatos nanocrystalline hydroxyapatite is available in cancellous, cortical and mixed granules.

OsteoBiol® Apatos grafted in a large intrabony defect
Source: Courtesy of Dr Roberto Rossi, Genova, Italy

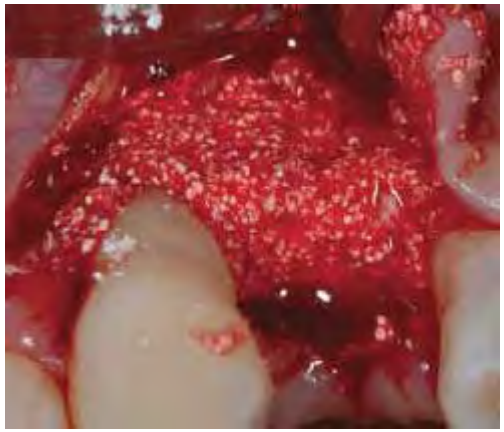
HANDLING

Apatos must always be hydrated and thoroughly mixed with a few drops of sterile saline; it can also be mixed with patient's blood. Finally it can be mixed if necessary with the drug selected for surgery; the mixture thus obtained should be positioned with a sterile spatula or syringe for biomaterials.

CLINICAL INDICATIONS

Oral surgery: granulomas, dentigenous cysts and ridge split.

Implantology: universal filler used in treatment of dehiscences and peri-implantitis, two wall defects, lateral and crestal access sinus lift. In particular Apatos Cortical is characterized by a very long resorption time, guaranteeing optimal preservation of the graft volume. When needed, Apatos graft can be protected with OsteoBiol® Evolution membrane or soft cortical Lamina.



OsteoBiol® Apatos grafted in a horizontal defect
Source: Courtesy of Dr Roberto Rossi, Genova, Italy

SCIENTIFIC PUBLICATIONS ON OSTEOBIOL® APATOS

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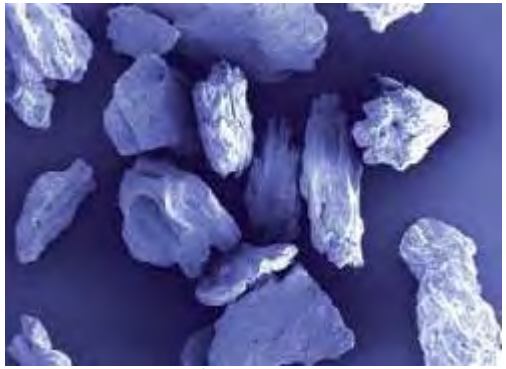

SEM image of OsteoBiol® Apatos, cancellous granules
Source: Courtesy of Dr Ulf Nannmark, University of Göteborg, Sweden

Tissue of origin
Apatos Mix: Cortico-cancellous heterologous bone mix
Apatos Cortical: Heterologous cortical bone

Tissue collagen
Degraded

Physical form
Radiopaque granules of mineral hydroxyapatite

Composition
Apatos Mix: 100% cortico-cancellous mix
Apatos Cortical: 100% cortical bone

Granulometry
600-1000 µm

Re-entry time
About 5 months

Packaging
Mix | Vial: 0.5 g, 1.0 g, 2.0 g
Cortical | Vial: 0.5 g, 1.0 g

Product codes
Mix | A1005FS | 1 Vial | 0.5 g | Porcine
Mix | A1005FE | 1 Vial | 0.5 g | Equine
Mix | A1010FS | 1 Vial | 1.0 g | Porcine
Mix | A1010FE | 1 Vial | 1.0 g | Equine
Mix | A1020FS | 1 Vial | 2.0 g | Porcine
Mix | A1020FE | 1 Vial | 2.0 g | Equine
Cortical | AC1005FS | 1 Vial | 0.5 g | Porcine
Cortical | AC1010FS | 1 Vial | 1.0 g | Porcine