

ATOLL
IMPLANT



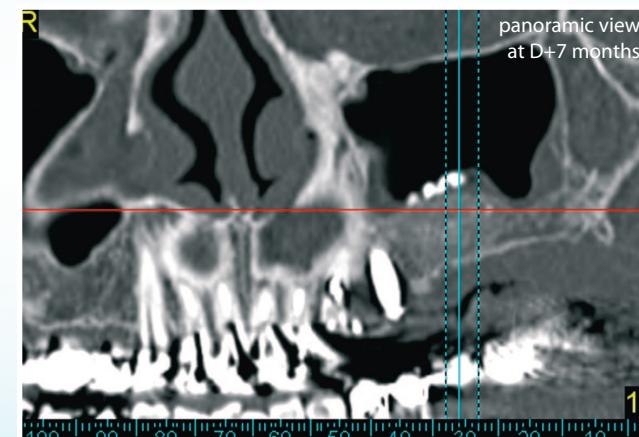
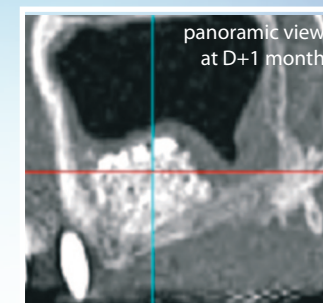
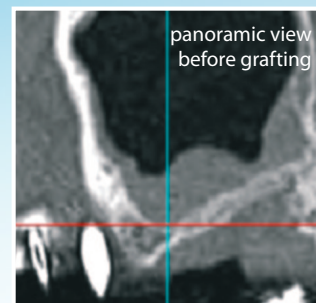
Packaging

ISIOS+ is packaged in boxes of 5 double cups, (individually sterile).

Designation	Ref.	Packaging
ISIOS+ 150-500 µm	ISIOS+ 0050	Box of 5 cups x 0.5 cc - sterile
ISIOS+ 500-1000 µm	ISIOS+ 0550	Box of 5 cups x 0.5 cc - sterile
ISIOS+ 1000-2000 µm	ISIOS+ 1050	Box of 5 cups x 0.5 cc - sterile

isiOS[®]+

High porosity synthetic bone substitute



Sinus lift using ISIOS+

DISTRIBUTED BY

ATOLL
IMPLANT



L'innovation fait la différence

16 RUE MAURICE FONVIEILLE
31000 TOULOUSE - FRANCE
Tél. +33 (0)5 61 12 41 43.
Fax +33 (0)5 62 30 22 22
info@atoll-implant.fr
www.atoll-implant.fr

ATOLL
IMPLANT



isiOS+ is a synthetic bone substitute with exceptionally high porosity (90%) and total interconnection.
Thanks to this porosity and its chemical composition (beta-TCP), when implanted in bone, isiOS+ is replaced in 6 or 7 months by neoformed bone tissue.

Indications

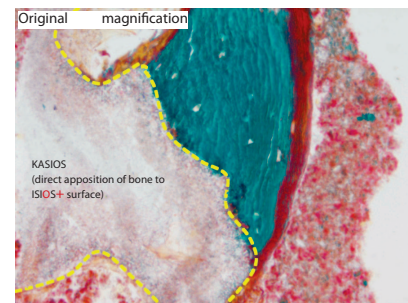
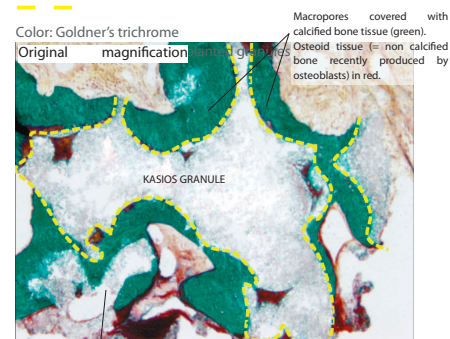
- Sinus graft
- Bone loss correction
- Filling alveoli
- Periodontology

Biomaterial

isiOS+ is entirely composed of beta-TCP. Beta-TCP, or beta-tricalcium phosphate, belongs to the same chemical family as the mineral substance of bone, so that osseointegration is complete when it is placed in a bone site.

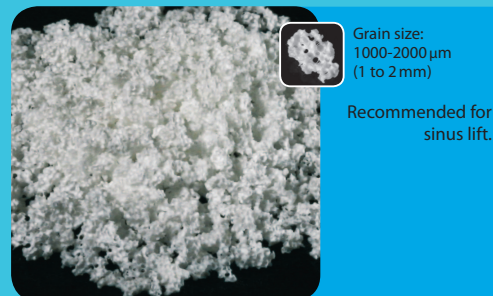
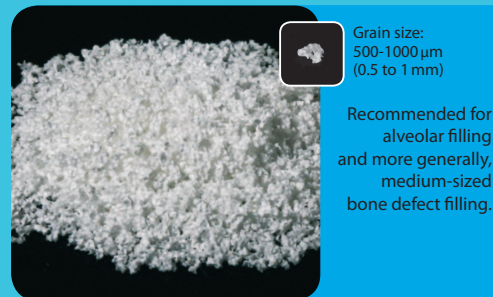
Histology

Bone cores were sampled at D+3 months from the sinuses previously filled with isiOS+. In all cases, the same degree of bone remodeling was seen (see imagery below). Please note on the second picture the perfect apposition of bone to biomaterial, evidence of its osseointegration.



INSERM U922-Angers (Pr D. Chappard)

Granulometric data

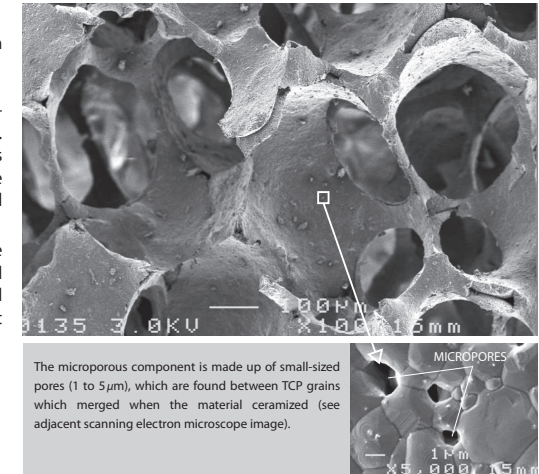


Porosity

Global isiOS+ porosity is close to 90%. Both macroporosity and microporosity are present.

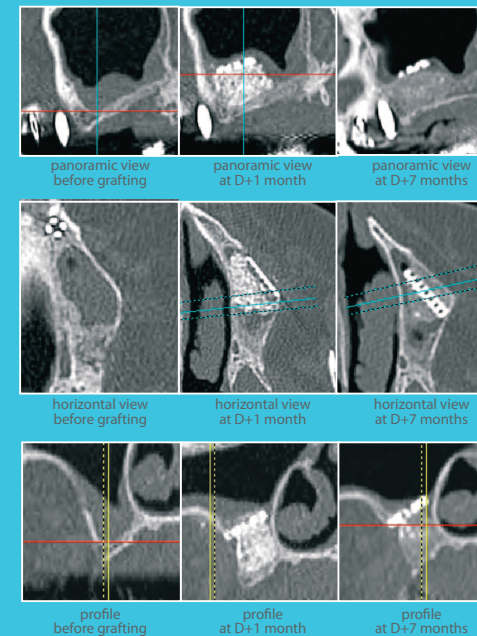
The macroporous component is made up of large-sized pores (0.2 to 0.5 mm), all interconnected. (See scanning electron microscope image). This interconnected macroporosity allows bone tissue to penetrate into the heart of the biomaterial (osseointegration by osseosubstitution).

The next step is the start of the isiOS+ bone remodeling process, during which bone cells will be fragmenting and digesting the biomaterial while they produce new bone replacement tissue.



INSERM U922-Angers (Pr D. Chappard)

CLINICAL CASE: Sinus lift with isiOS+ grafting and dental implant reconstruction, at 7 months



placing implants



x-ray after implant placement

(Courtesy of Bernard Guillaume, M.D. and Norbert Bellaiche, M.D.)