

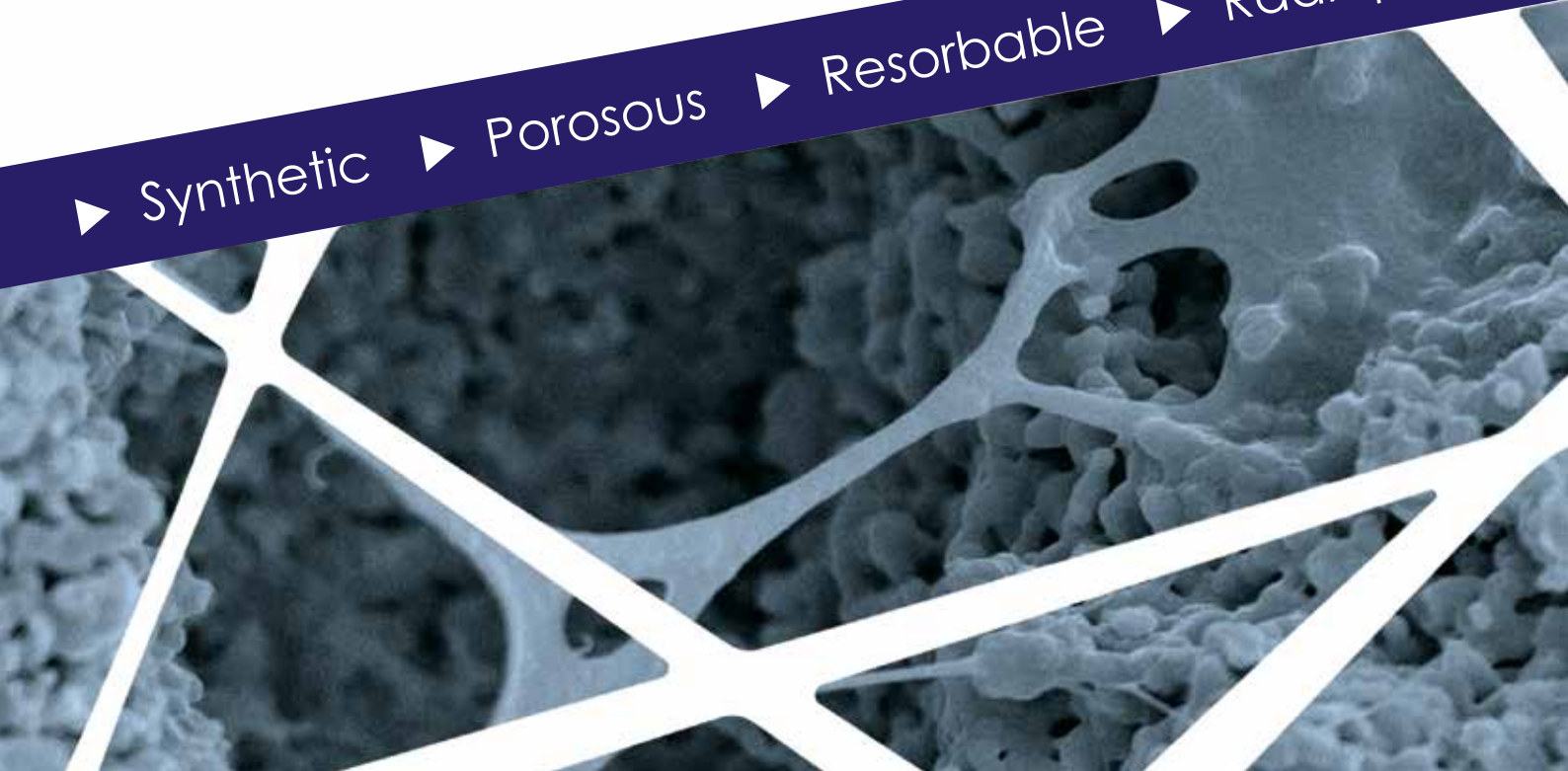


for more than 25 years leader in dental surgery

Fly-Oss™

Resorbable, synthetic bone substitute granules

▶ Synthetic ▶ Porous ▶ Resorbable ▶ Radiopaque



Fly-Oss™

Natural bone remodeling process

Fly-Oss™ is a biphasic synthetic bone graft substitute, consisting of 60% hydroxyapatite HAP and 40% β -phosphate-tricalcium (β -TCP).

The radiopaque and resorbable Fly-Oss™ biomaterial, is characterised by a particular purity and is **very similar to the natural components of bone and is therefore perfectly biocompatible.**

Fly-Oss™ combines the characteristics of medium-slow resorption of hydroxyapatite, with those of β -phosphate-tricalcium, characterised by rapid resorption as well as effective osseointegration.

These features allow the integration of the bone substitute with the natural tissue in the ideal time frame for the dental treatment.

Regular geometry with no sharp edges

The **uniform grain size** combined with a **regular geometry without sharp edges** make Fly-Oss particularly **suitable for sinus lift** procedures.

Fly-Oss™

Predictable and effective bone regeneration

The **complete resorption** of Fly-Oss™ bone substitute and the effective, induced remodeling of natural bone, allow the **maintenance of bone volume**, meeting the functional and aesthetic needs required by the patient.

The features of Fly-Oss™ guarantee the satisfaction of the most demanding clinical needs and Fly-Oss™ is the ideal biomaterial to fill bone defects in different clinical situations:

- ▶ Sinus lift
- ▶ Filling extraction sockets
- ▶ Increasing bone volume
- ▶ Implantology

Fly-Oss™ stimulates natural bone regeneration process and effectively replace the missing bone tissue, allowing the **maintenance of bone volume**, for functional and aesthetic results which are **predictable, effective and reproducible.**

Bibliographic references:

- BIGNON et al. «Effect of ball milling on the processing of bone substitutes with calcium phosphate powders» *Journal of Biomedical Material Research, Applied Biomaterials*, 63 (2002) 619-626.
- CHOUTEAU et al. «Culture cellulaire d'ostéoblastes et de fibroblastes sur substitut osseux poreux en phosphate de calcium». *Revue de Chirurgie Orthopédique*, 89 (2003) 44-52.
- BIGNON et al. «Effect of micro and macroporosity of bone substitutes on their mechanical properties and cellular response». *Journal of Material Science: Materials in Medicine*, 14 (2003) 1089-1097.
- G. Garlini, M. Perelli, A. Fasano, L. Daniele, M. Redemagni et al. "Il rialzo del seno mascellare per via crestale", *Il dentista moderno, Italia* 01/2020
- G. Garlini, M. Perelli, A. Fasano, L. Daniele, M. Redemagni et al. "Crestal Maxillary Sinus Lift with Rotating Instruments and Different Grafting Materials: Results at 4 Years Follow Up", *Acta Scientific Dental Sciences, Italia* 09/2020

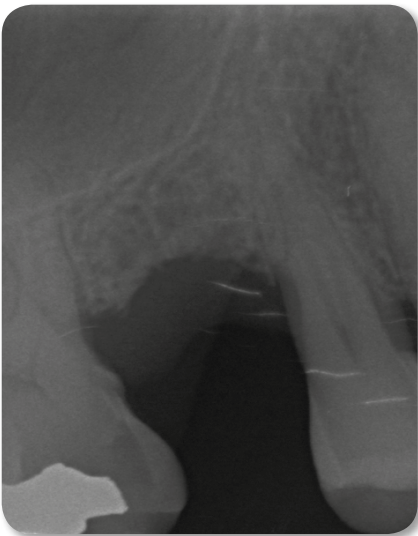
Fly-Oss™

Dr. Giuliano Garlini Clinical case

► Case 1

Sinus lift with SCA technique (Sinus Crestal Approach) and filling of vestibular defect.

Courtesy by Dr. Giuliano Garlini, Milano.

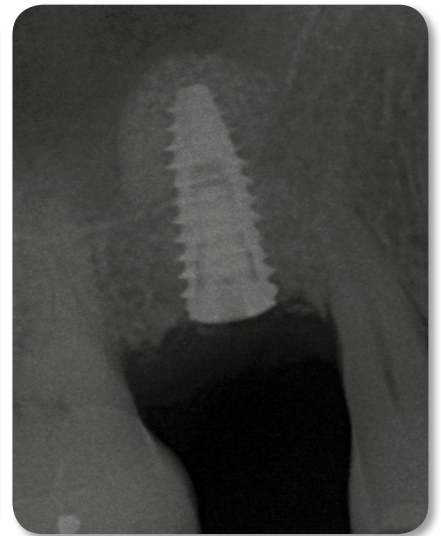


1. Missing of 16 that must be replaced with an implant and contextual sinus lift.

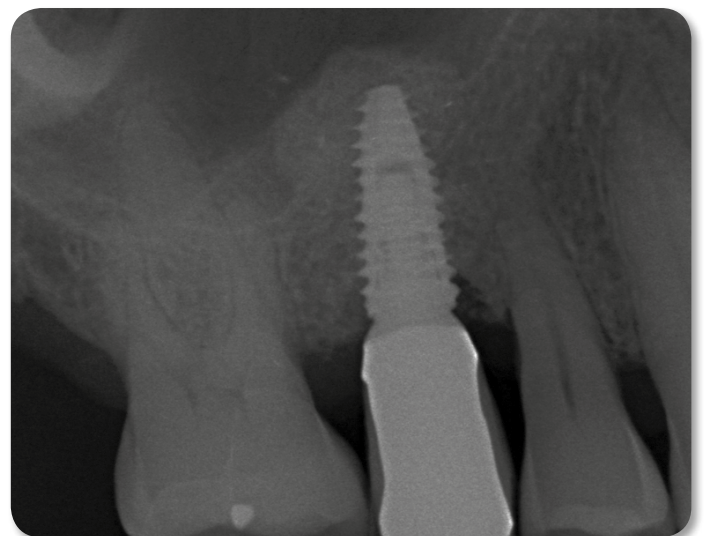


2. Insertion of Neobiotech Implant and contextual sinus lift with crestal approach technique (SCA) and use of Fly-Oss biomaterial mixed with blood products of human nature to correct the vestibular defect too.

3. Control XRay.



4. Zirconia-ceramic prosthesis screwed on implant.



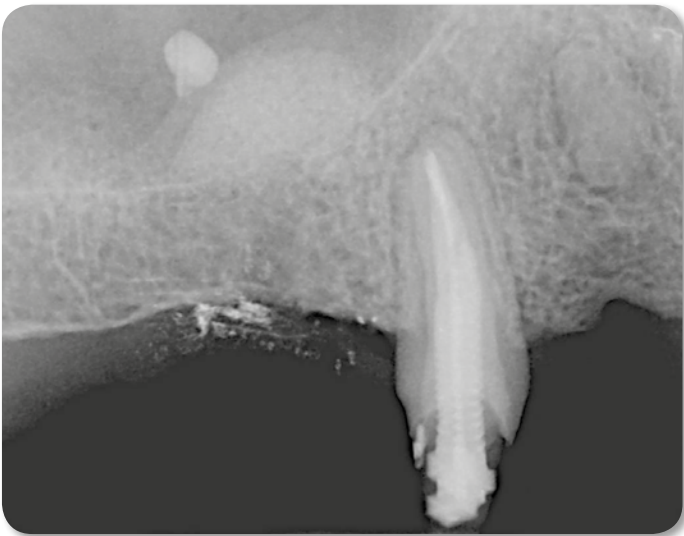
5. Control XRay, 24 months follow up.

Fly-Oss™

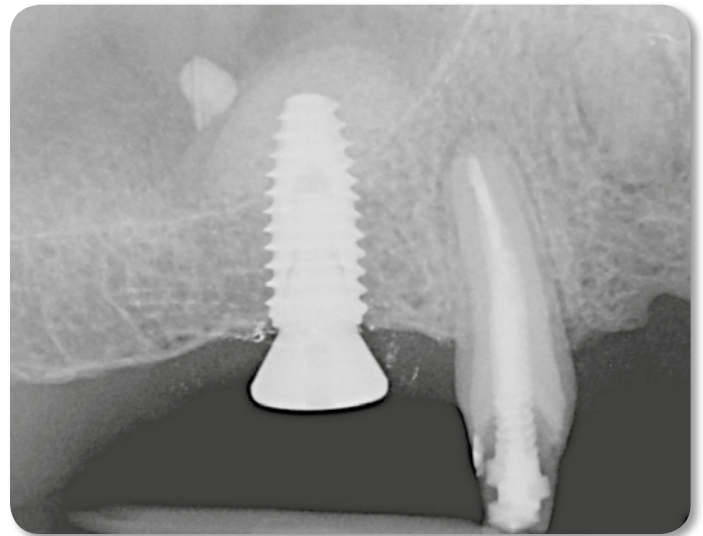
Dr. Carlo Saccone Clinical case

- **Case 2**
Sinus lift with SCA technic (crestal approach) and Fly-Oss biomaterial.

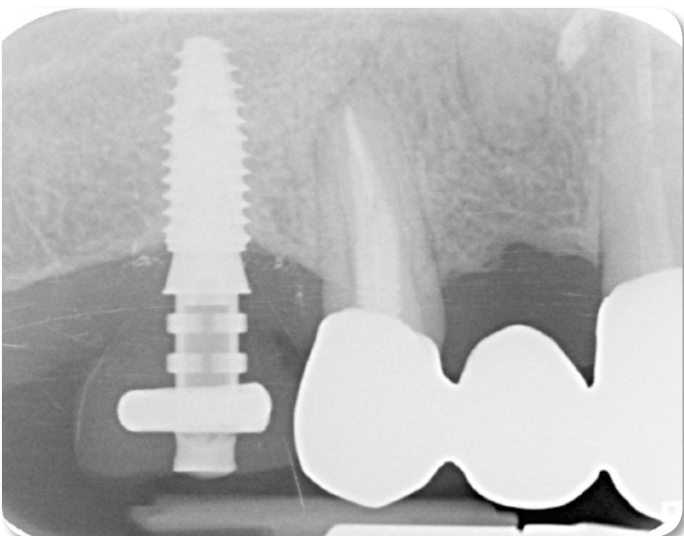
Courtesy by Dr. Carlo Saccone, Torino.



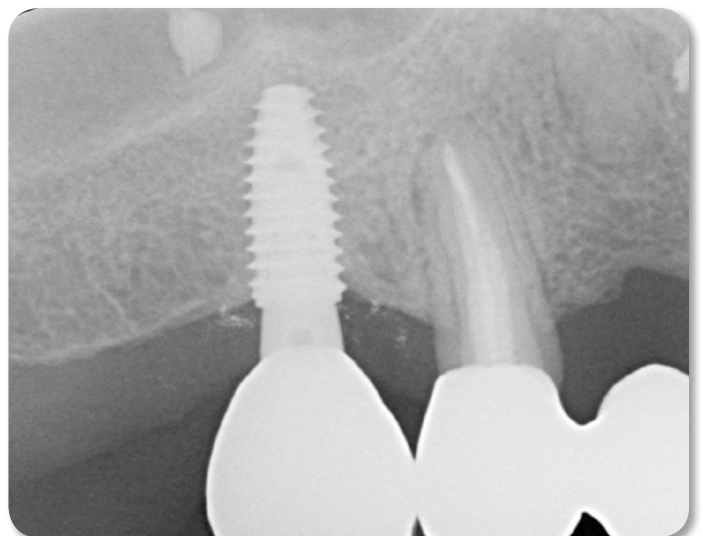
1. Sinus lift with fine grain Fly-Oss and SCA technique (Sinus Crestal Approach - SCA Kit Neobiotech).



2. Contextual implant insertion.



3. 22 months follow-up.



4. 24 months follow-up.

Fly-Oss™

Dr. Giuliano Garlini Clinical case

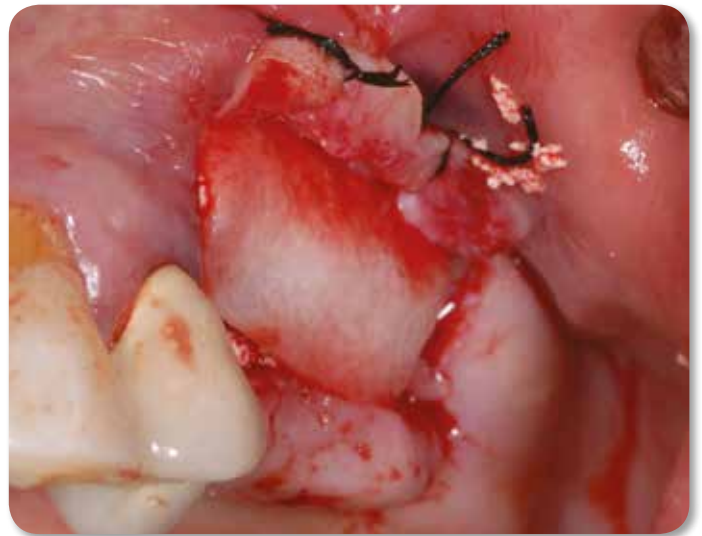
► Case 3

Filling of vestibular defect with Fly-Oss biomaterial and Theraform membrane.

Courtesy by Dr. Giuliano Garlini, Milano.



1. Filling with Fly-Oss of vestibular defect in 25-27 and implant insertion.



2. Cover of Fly-Oss biomaterial with resorbable membrane Theraform.



3. Prosthetic rehabilitation with metal-ceramic crowns.



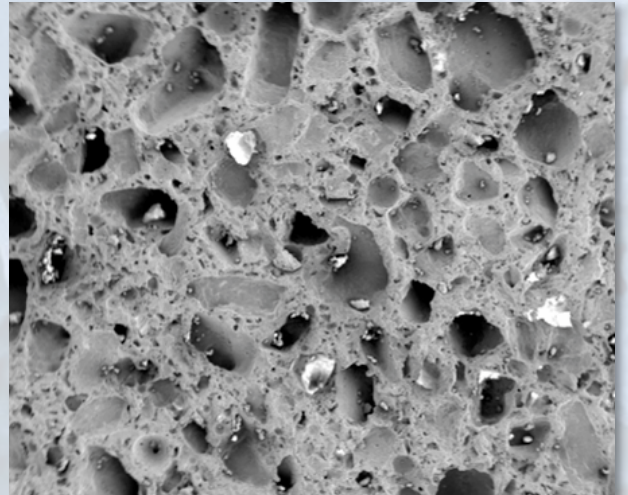
4. 24 months follow-up.

Fly-Oss™

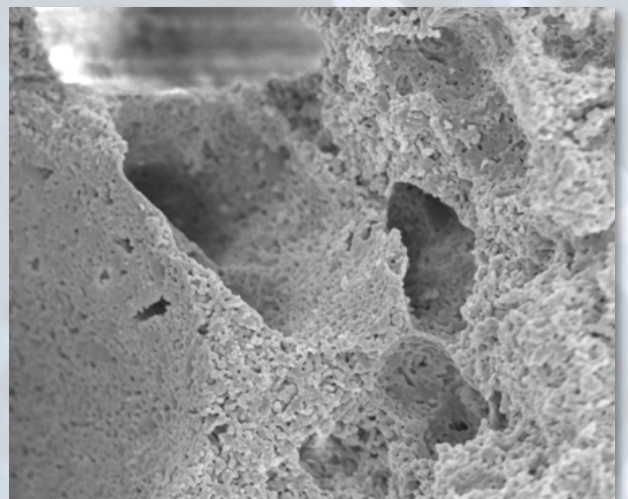
The ideal porosity for bone regeneration

The particular structure of Fly-Oss™ consists in a combination of macro and micro-pores with **specially designed sizes** that allow the **adhesion of the biological and growth factors** involved in the regeneration process, thus promoting osseointegration.

The macro-pores promote bone cell penetration into the biomaterial, while the micro-pores increase the surface area of the biomaterial in contact with biological fluids, allowing their perfect interaction and ensuring **stable and predictable regenerative results**.



Macro-pores (x20)



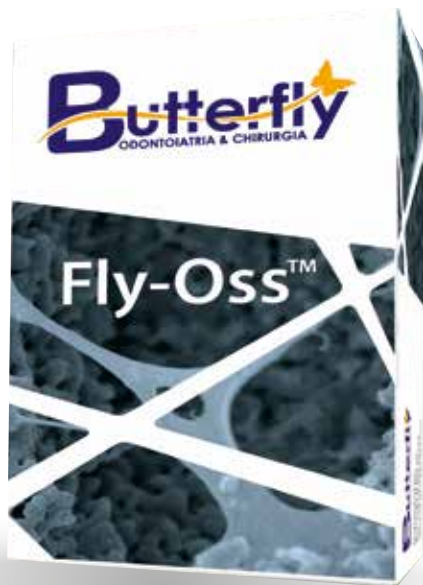
Micro-pores (x500)

The particular **porous structure** makes Fly-Oss™ extremely **flexible and easy to use**.



Fly-Oss™

Resorbable, synthetic bone substitute granules



Code	Packaging
FOF1	vials 1cc



▶ Synthetic ▶ Porous ▶ Resorbable ▶ Radiopaque