

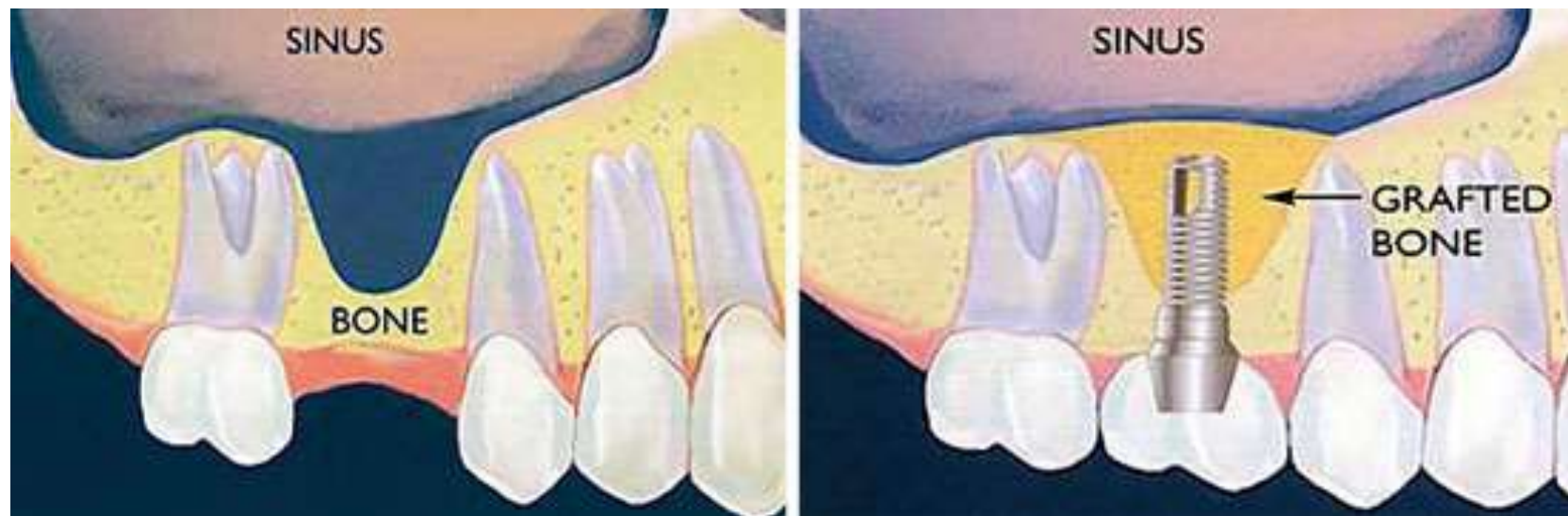
Sinus lift



Maxillary sinus floor augmentation (also termed **sinus lift**, **sinus graft**, **sinus augmentation** or **sinus procedure**) is a [surgical procedure](#) which aims to increase the amount of bone in the [posterior maxilla](#) (upper jaw bone), in the area of the [premolar](#) and [molar teeth](#), by lifting the lower [Schneiderian membrane](#) (sinus membrane) and placing a bone graft

Sinus







Sinus kit



Two approaches

- Lateral
- Crestal

Lateral vs Crestal

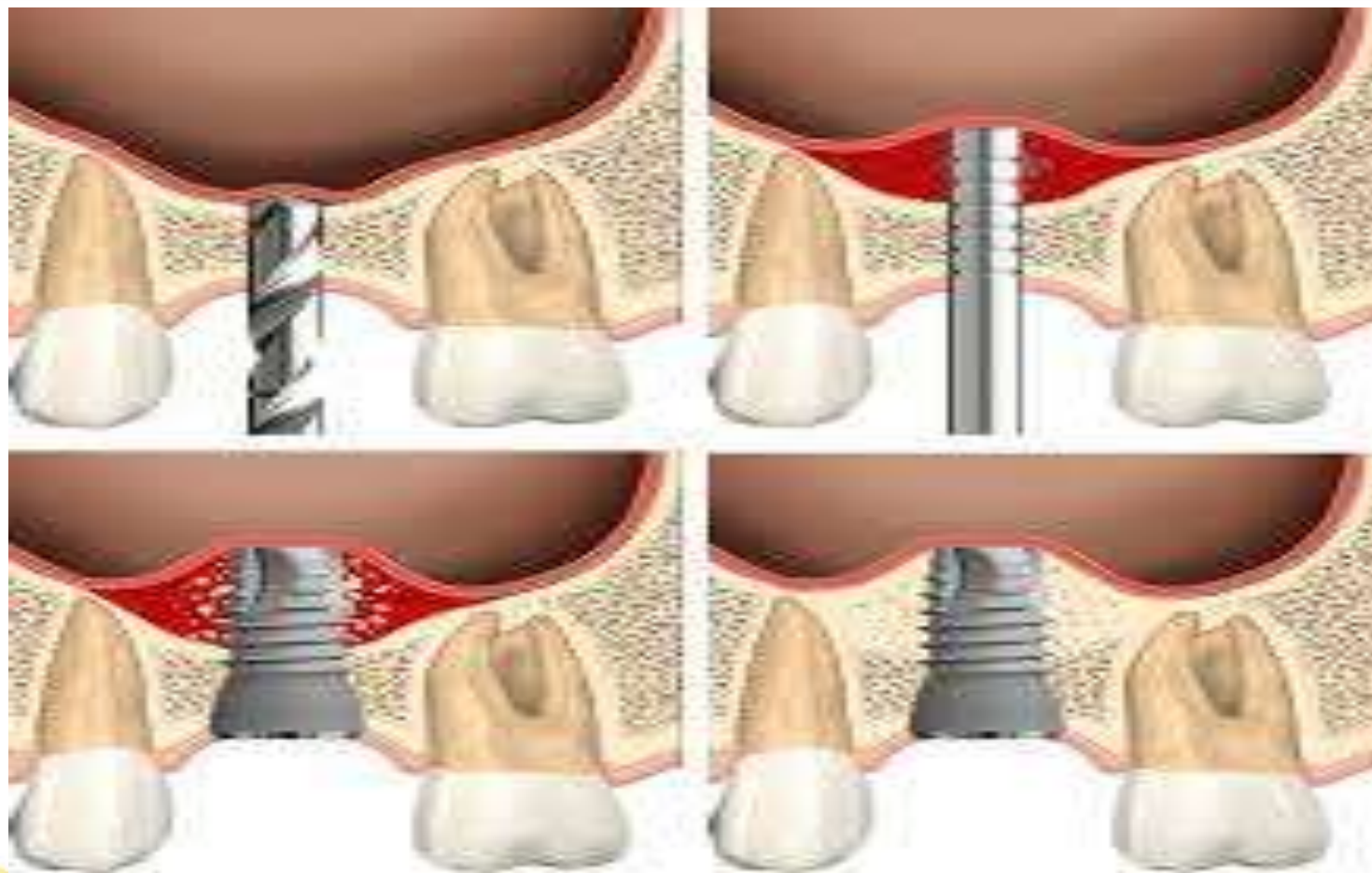
Internal (osteotome-crestal) approach



External (lateral window) approach



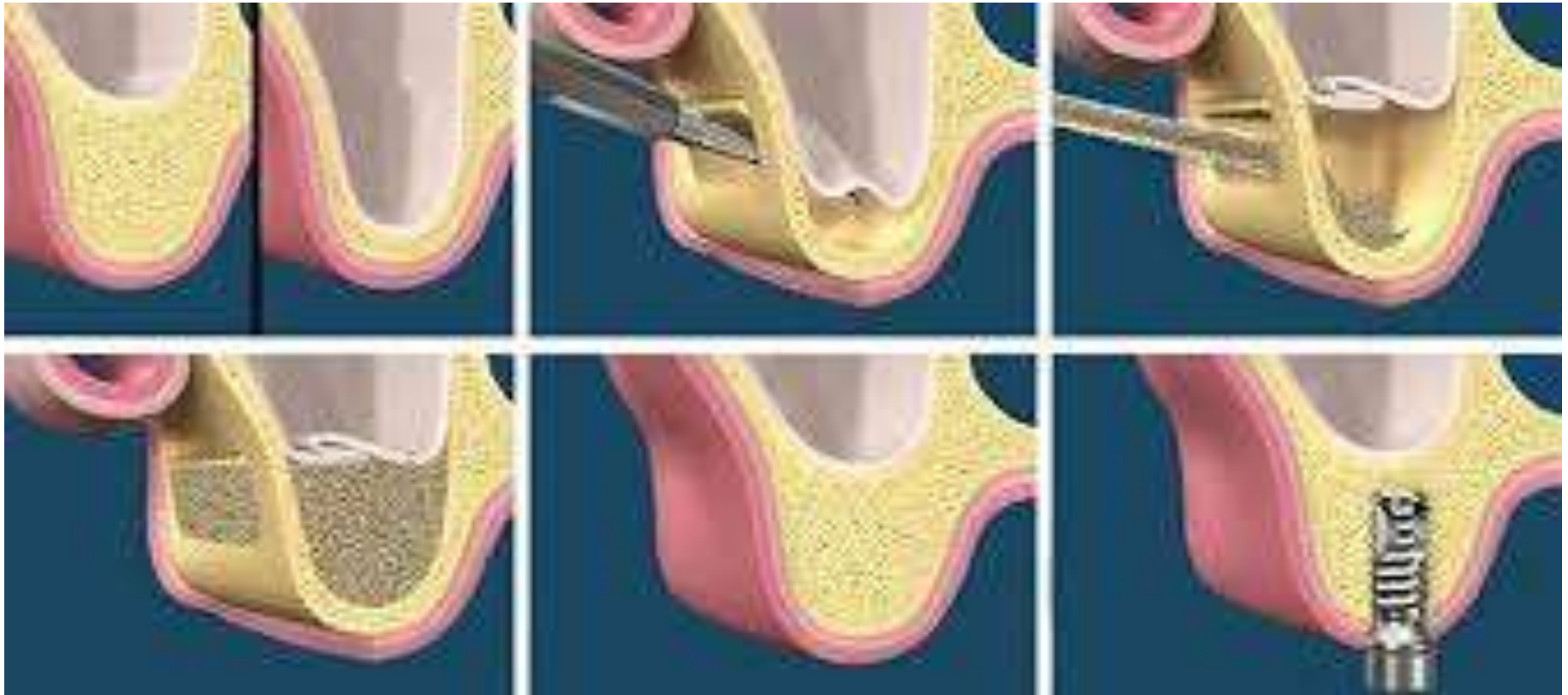
Crestal Approach

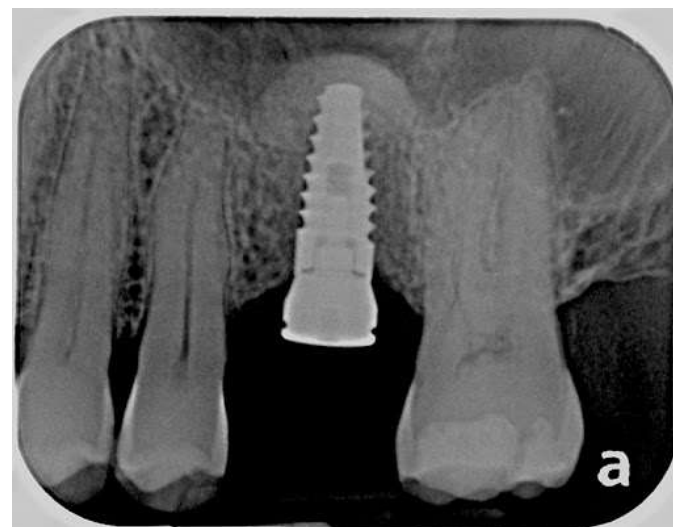


Membrane lift



Lateral approach







Ø 2.0 Initial drill



Crestal Round drill \varnothing 2.8 mm



Crestal Round drill \varnothing 3.6 mm



Crestal stoppers

Crestal Stoppers



Code	CST 11	CST 10	CST 09	CST 08	CST 07	CST 06	CST 05	CST 04	CST 03	CST 02

Stoppers must be used to alter depth of the drill. They are color coded & laser marked.

Lateral Core drill \varnothing 5.5



Lateral Core drill \varnothing 7.0



Lateral round drill \varnothing 5.5 mm



Lateral round drill \varnothing 7.0 mm



Membrane lifter



Saline tube



Sinus kit cont.



Sinus Depth gauge



Bone Condensor



Medbone



- Started 2008
 - Present in more than 90 countries
 - Available for Dental, Orthopedic & veterinary surgeries
-
- Decorative wavy lines in shades of orange and yellow at the bottom of the slide.

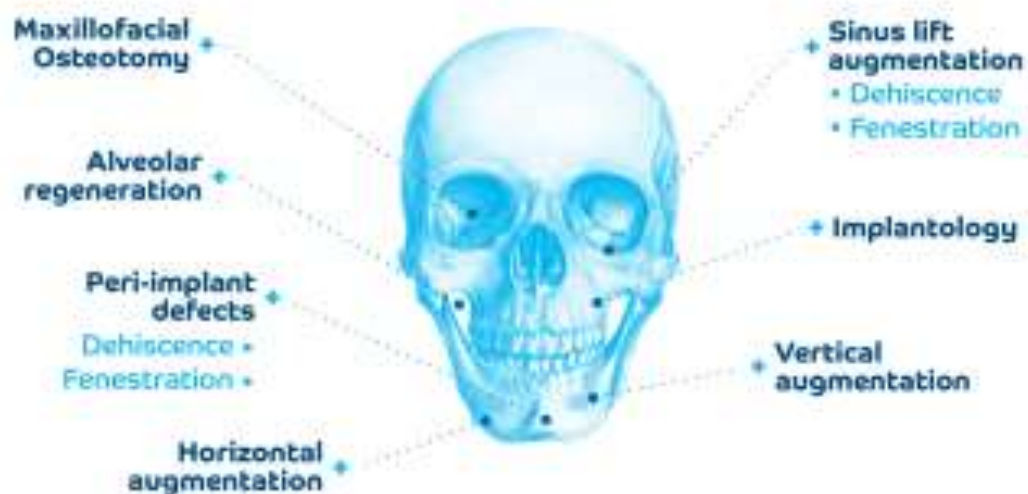
All our products are certified by the
European Directive 93/92/EEC.

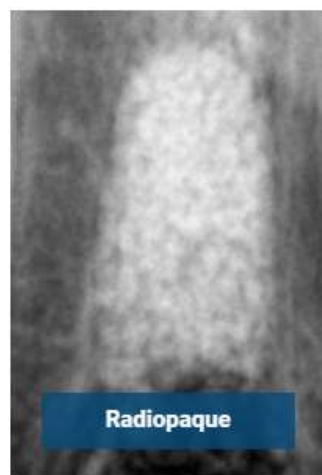
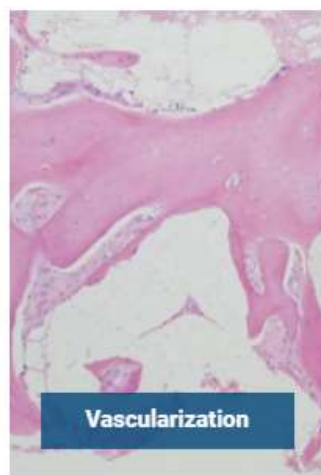
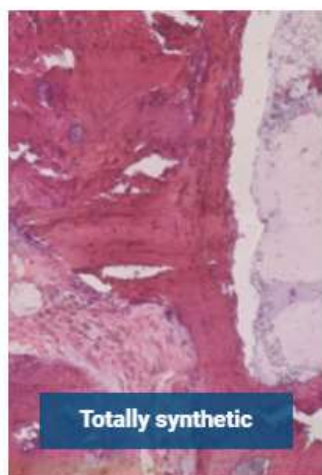


- Made from resorbable biomaterials based on Calcium phosphates
- 100% resorbable
- Presence of interconnected pores/channels (~.05mm in dia)

- Supporting neovascularization-
enables material biodegradation
& bone ingrowth within the bone
substitute

adbone® is intended to be used as a bone void filler or augmentation material for bone defects that are not intrinsic to the stability of the bony structure:





- Easy to Handle- Can be mixed with patients blood, autologous bone marrow, PRP & PRF
- Hydrophilic- excellent cohesivity
- Totally synthetic- No animal/human tissue derivatives

- Radiopaque- allows easy monitoring of osseointegration through X ray's
- Membrane not mandatory unless risk of graft exposure
- High mechanical resistance-allows the conservation of the initial cavity volume
- High Porosity

BCP

- 25% β tricalcium phosphate + 75% Hydroxyapatite
- Porosity 60%
- Pore size 300-500 μ m
- Mechanical resistance- 3 Mpa
- Resorption- 20% in 1.5yrs

orthopedic

dental



adbone®
BCP

75% of hydroxyapatite and
25% of beta-tricalcium phosphate



Available geometries

Granules



0,1 – 0,5mm
0,5 – 1mm
1 – 2mm
3 – 4 mm

Crunch



4 x 7mm

Cylinder



8 x 20mm

Wedges

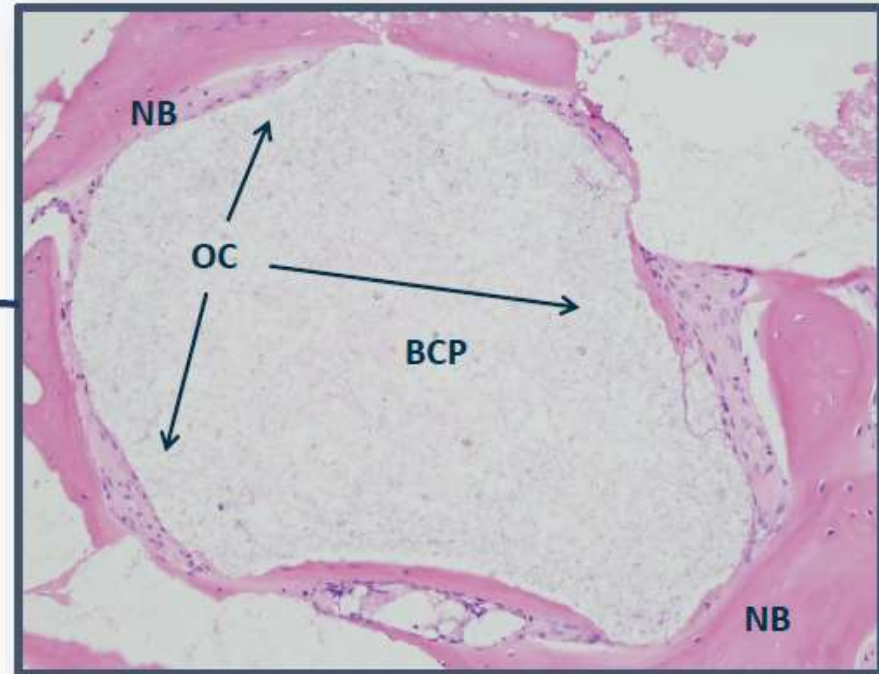
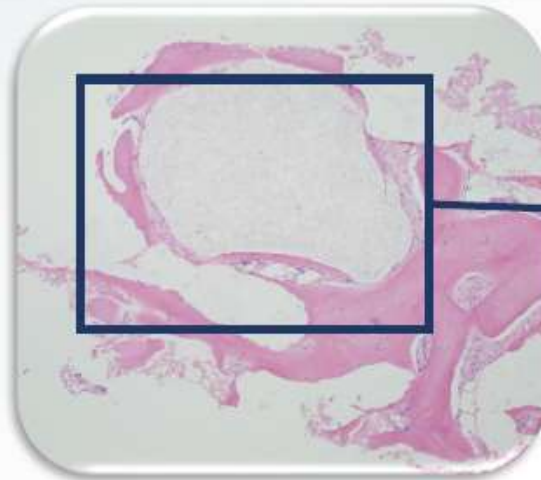


6 x 25 x 30mm
8 x 25 x 30mm
10 x 25 x 30 mm
12 x 25 x 30mm
14 x 25 x 30mm

Blocks




4 x 4 x 20mm
5 x 10 x 15mm
8 x 8 x 20mm
15 x 15 x 20mm
15 x 20 x 30mm



New vital bone surrounding the granule of adbone®BCP, observable after 12 weeks.

High osteoclastic activity, indicating bone remodeling

TCP

- 100% β tricalcium phosphate
 - Porosity 60%
 - Pore size 300-500 μ m
 - Mechanical resistance- 3 Mpa
 - Resorption- 20% in 5-6mth
- 

orthopedic

dental



adbone®
TCP

100% of beta-tricalcium phosphate



Available geometries

Granules



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Crunch



4 x 7mm

Cylinder



8 x 20mm

Wedges



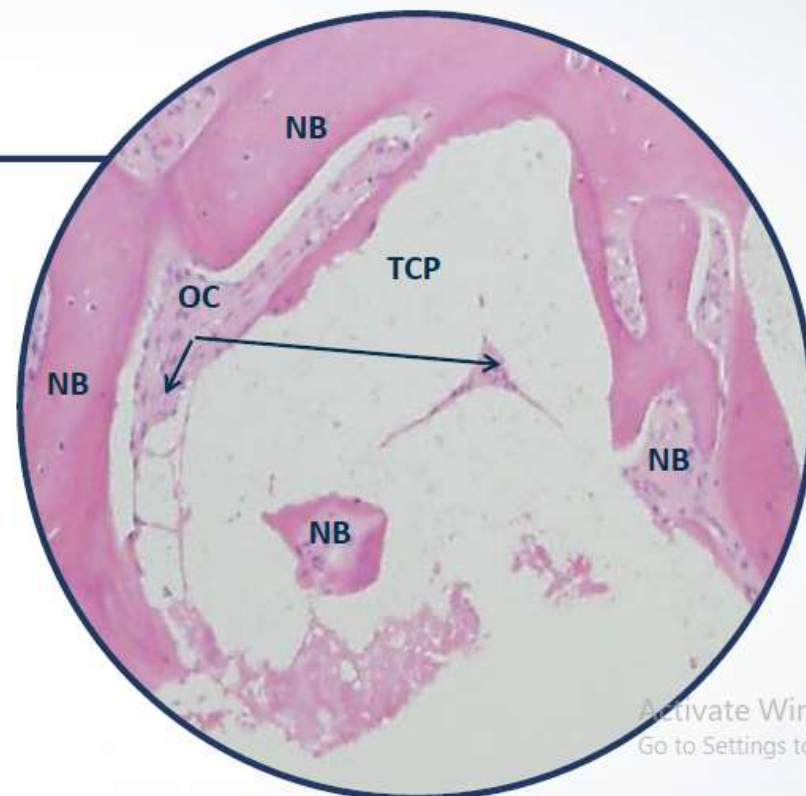
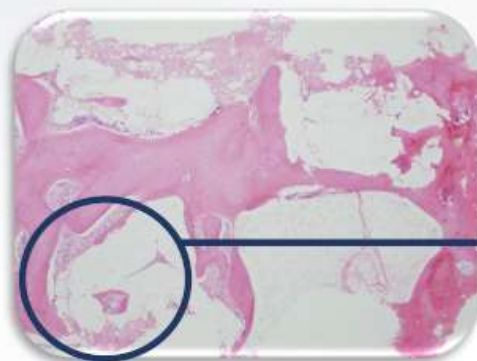
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12 week follow-up

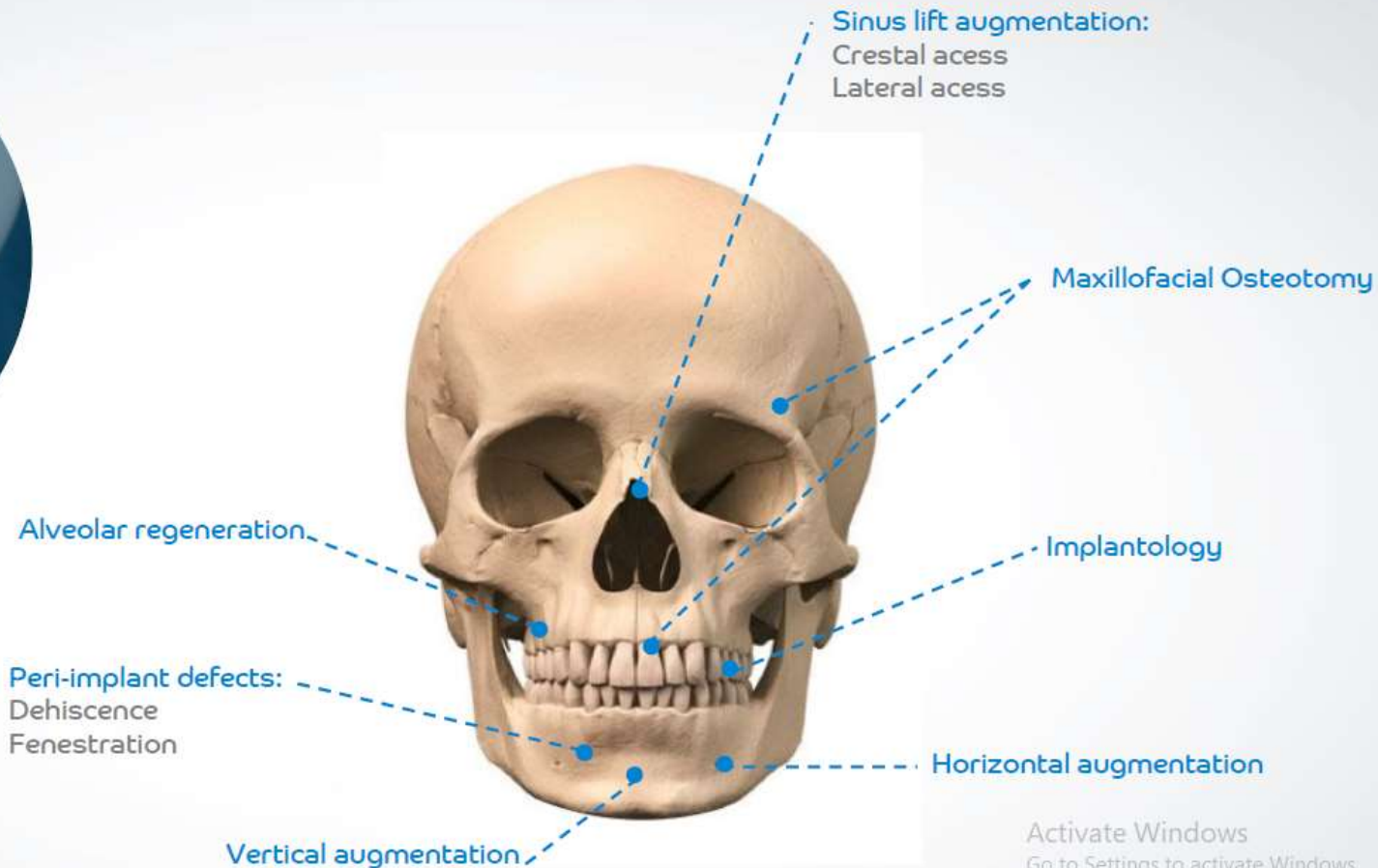


Due to our interconnected structure and large pore size, we can see new bone formation in the middle of the TCP particule





Dental indications



Activate Windows
Go to Settings to activate Windows.



Advantages



HIGH MECHANICAL RESISTANCE

Allows the conservation of the initial cavity volume



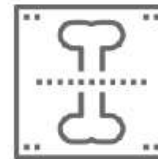
HIGH POROSITY

Allows osteoblasts to proliferate through the open canals



RESORBABLE

Totally synthetic origin
allows a perfect reabsorption



RADIOPAQUE

Permits the perfect monitoring of osteointegration through X-Ray



Advantages



NO MEMBRANE

Due to its physical and mechanical properties



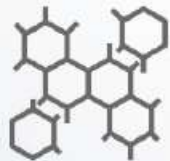
VASCULARIZATION

Interconnected porous structure allows an excellent vascularization



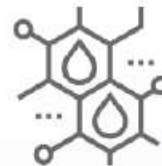
EASY TO HANDLE

The high cohesiveness allows the particles to stick to each other



HYDROPHILIC

Enhances bone growth



VOLUME STABILITY

Very hydrophilic which confers an excellent cohesivity of particles

Advantages

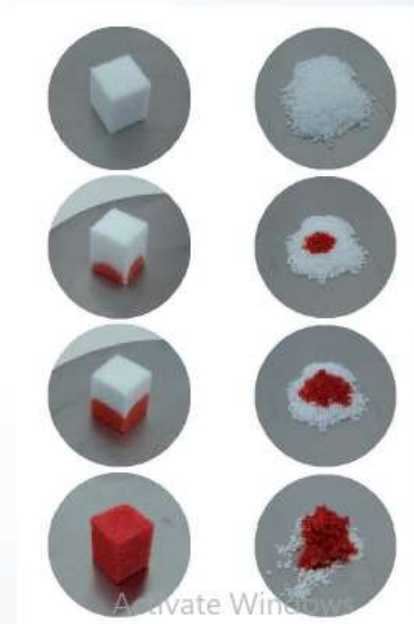
- No immunological risk
 - Reduces surgery time
 - No risk of infection
 - Avoids painful removal of autograft
 - High availability of synthetic bone



Easy Handling

It can be mixed with PRP, PRF, patient's blood or bone marrow, creating a cohesive and easy to use mixture.

Click in the
image to watch
an instructional
video



Activate Windows
Go to Settings to activate Windows



The Pitch:
steps to
follow

1. Texture and Mechanical Resistance
2. Structure and Porosity of the material
3. Absorption time and Hydrophilic Behaviour of the material
4. High Cohesiveness and Easy Handling
5. Advantages of Medbone's Products

Thank you

