

RELATED PRODUCTS

Safety implant membrane

The migration of the implant into the sinus cavity is one of the most dangerous and troublesome complications due to legal implications. The Safety Implant Membrane has been designed to avoid this complication. Placed and blocked with the screw on the implant and the residual ridge, it prevents the entrance of the implant into the sinus cavity.



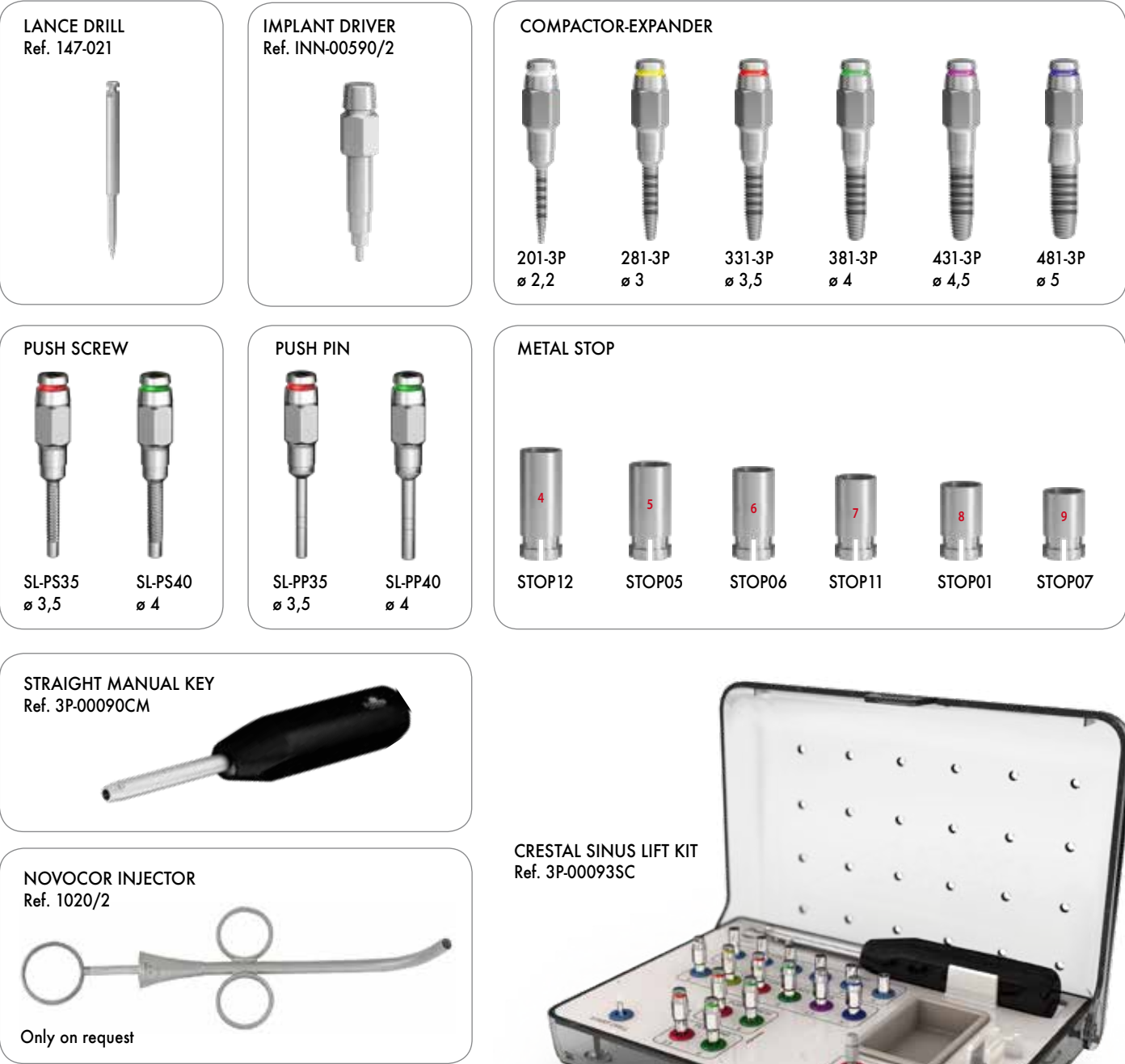
*In case of excessive exposure of the membrane, it is preferable to remove it.

Novocor Plus

The Novocor Plus medical device includes grains of natural coral with a low surface/volume, ranging from 200 to 500 mm. The natural coral , also known as coralline hydroxyapatite, includes 98% Aragonitic Calcium Carbonate (CaCO3).



COMPONENTS



B&B DENTAL
implant company

Via San Benedetto, 1837 - 40018 San Pietro in Casale (BO) Italy
Tel. +39 (0) 51.81.13.75 - Fax +39 (0) 51.666.94.00
info@bebdental.it - www.bebdental.it



Certified Quality System
UNI EN ISO 13485

DURAVIT CRESTAL SINUS LIFT

Sinus lift with crestal approach



B&B DENTAL
implant company

DURAVIT CRESTAL SINUS LIFT

WHAT IS IT

The “DURAVIT CRESTAL SINUS LIFT” is an innovative kit to prepare the implant site near the Schneider membrane. The kit includes “Compactor-Expanders” (newly-designed manual osteotome) for a “Manual key”, depth stops for different lengths and “Push-pin” to push the bone regeneration material within the crest.

WHAT IS IT FOR

The “DURAVIT CRESTAL SINUS LIFT” technique accomplishes a controlled crestal osteotomy with the lifting of the maxillary sinus membrane in extremely simplicity and safe conditions, even in cases of minimal crestal residual.

A wide range of Safety Implant Membrane (S.I.M.), available in various shapes and sizes, avoids the risk of implants entering in the sinus cavity.

EQUIPMENT

The Compactors-Expanders “DURAVIT CRESTAL SINUS LIFT” are equipped with depth stops that allow obtaining a guided hole in the alveolar bone as close as possible to the maxillary sinus membrane.

The innovative system was designed to obtain the controlled fracture of the bone floor through a 1 mm step-by-step progress.

WHEN SHOULD IT BE USED

The “DURAVIT CRESTAL SINUS LIFT” technique can be used in case of 4 to 9 mm residual bone availability and in any sufficient anatomic condition to stabilize the implant in the implant site.

GRAFTING MATERIALS AND QUANTITY

B & B Dental has patented and developed as material for bone regeneration the Novocor Plus. The medical device includes grains of natural coral with a low surface/volume, ranging from 200 to 500 mm.

The natural coral , also known as coralline hydroxyapatite, includes 98% Aragonitic Calcium Carbonate (CaCO3).

However any type of certified regeneration material can be use with the technique.

The amount of graft material is difficult to establish a priori, since this depends on the shape of the sinus conformation and the importance of the lifting: references can only be given by intra-operative X-rays performed with the aid of Rinn technique.

IMPLANTS LOADING TIME

As for all the implants inserted with any sinus lift technique the exposure time of the implants is related to the initial height of the crestal bone: when it is 6/7mm or more, we can expose after 6/7 months, when it's less (4/5 mm) we must delay the exposure to about 10/11 months after surgery.

In case of old prosthesis, the patient can wear it again after about 10 days, unless complications. It's important to unload the prosthesis on the fresh wound to avoid compression.

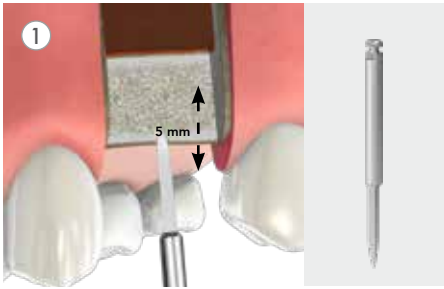
PRECAUTIONS

Appropriate X-rays (OPG and CT-scan), direct palpations and inspections of the operating site are necessary to identify the anatomy of the available bone.

ADVANTAGES

The technique is straight forward and atraumatic and since the cortical bone is perforated and not fractured, the risk of accidental laceration of the membrane is prevented. Using the specific sequence of compactor-expanders and stops, the clinician slowly approaches the Schneiderian membrane. The shape of the compactor-expanders tip prevents the perforation of the membrane.

SURGICAL PROCEDURE



Cut and open until it's possible to see well the entire bone thickness and inclination and Perforate, only 1 or 2 mm, the cortical tissue with the Lance drill.



Depth perforation using the Ø 2 Compactor-Expander and suitable stop in order to enter 1 mm inside the maxillary sinus membrane.



Wide the preparation site with the Ø 3 Compactor-Expander using the same stop previously used.

Example: Residual crestal bone height 5:



Lift the sinus and wide the implant site using the Ø 3.5 Compactor-Expander and then, depending from bone thickness, the following Ø 4 Compactor-Expander, using the 1 mm shorter stop.

Example: Residual crestal bone height 5: Inizial stopper 6 mm.



Place the “Novocor Plus” using the injector inside the cavity.

Note: See Novocor Plus's preparation in the next page

Example: Residual crestal bone height 5: Inizial stopper 6 mm.



Push the “Novocor Plus” inside by using the “Push-Pin” and stop 1 or 2 millimetres longer then the initial one.

Example: Residual crestal bone height 5: Second stopper 7mm.



When the NOVOCOR PLUS insertion has been performed, the last stage is with the Push Screw and 1 mm shorter stop.



Implant insertion.



To prevent any complication as migration of the implant inside the maxillary sinus, it is always advised to use S.I.M. (Safety Implant Membrane).

Example: Residual crestal bone height 5: forth stopper 8 mm

SURGICAL SEQUENCE

