

MECTRON PIEZOSURGERY® NEW SINUS PIEZO-LIFT TECHNIQUE

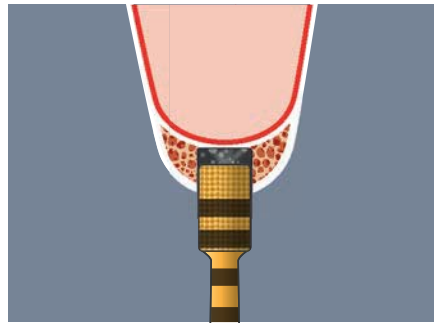
→ BEST SAFETY IN SINUS LIFT BY CRESTAL APPROACH



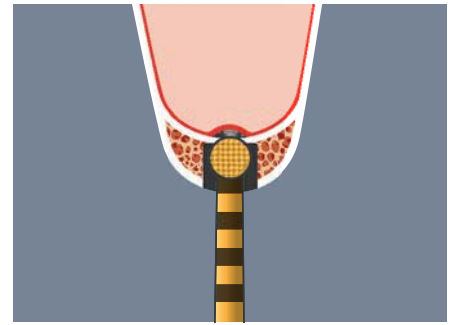
→ PIEZO-LIFT BY TOMASO VERCELLOTTI



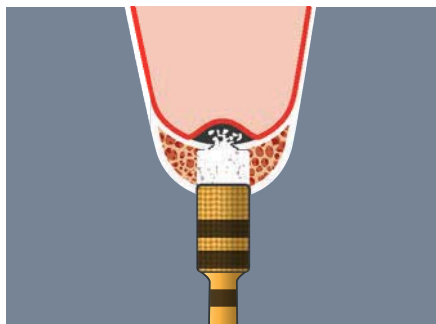
1 PL1 – sinus floor reaching



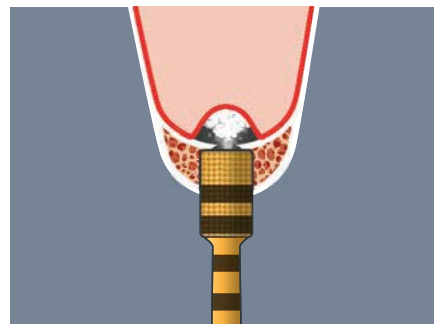
2 PL3 – cylindrical site preparation



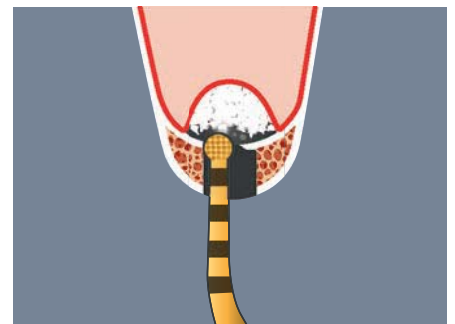
3 PL2 – sinus floor consumption and membrane PIEZO-LIFT



4 PL3 – bone grafting with cavitation effect



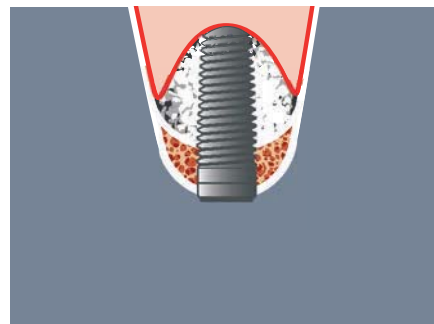
5 PL3 – safe sinus lift



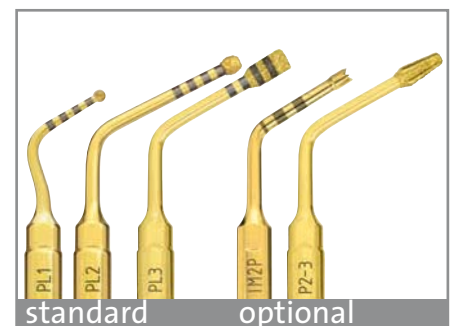
6 PL1 – safety bone ring removal



7 PL3 – bone grafting technique



8 implant placement

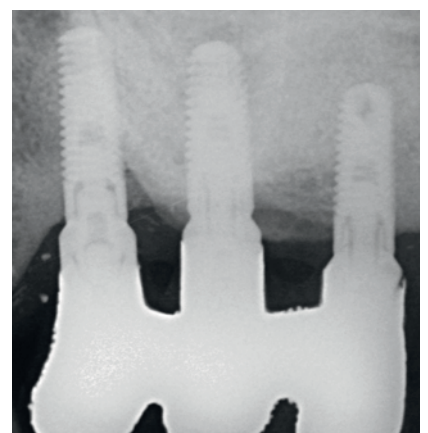
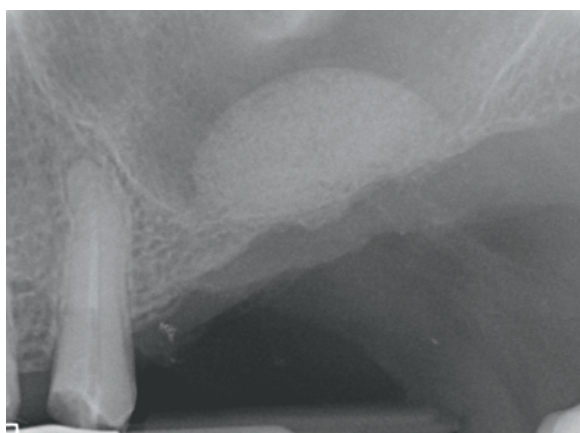
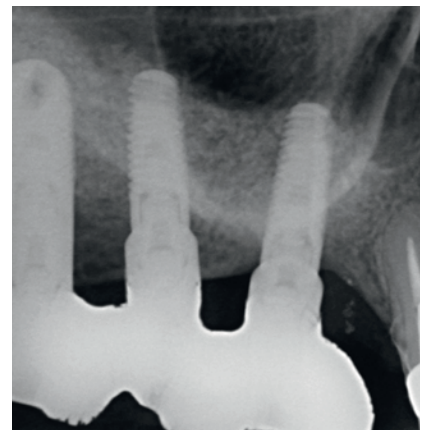
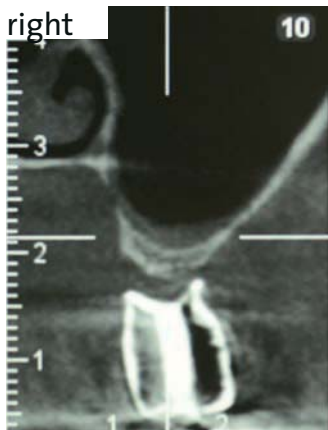


standard inserts PL1, PL2, PL3
OPTIONAL IM2P and P2-3

→ NOTES

- The ideal technique is performed with a residual crest between 2 and 5 mm.
- Device settings:
 - power level: cortical
 - irrigation level: level 2 for PL1; level 1 for PL2 and PL3; step 7 with PL3 will be without any irrigation.
- An Rx test is recommended after steps 1 and 5.
- A dedicated probe to check the sinus membrane perception is recommended after step 3; hence, perform the Valsalva maneuver.

CLINICAL CASE WITH PIEZO-LIFT TECHNIQUE

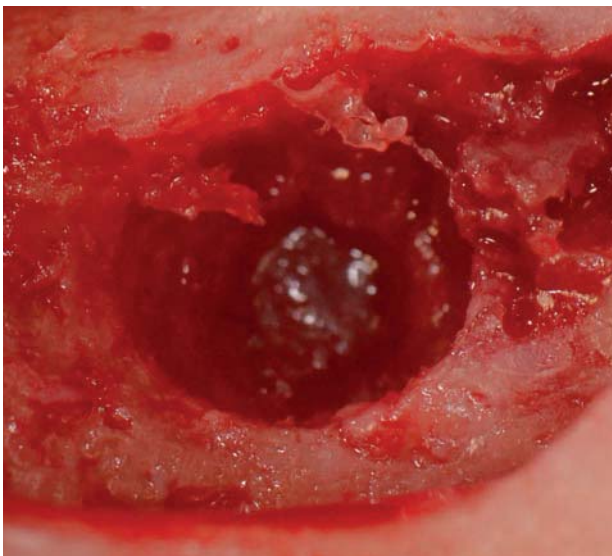


initial situation

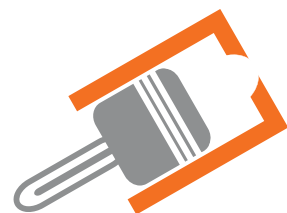
sinus lift

2 years follow-up

SINUS FLOOR BONE RING FOR THE UTMOST OPERATORY SAFETY



Safety of the Piezo-Lift technique: insert PL3 works as a piston inside a cylinder.





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