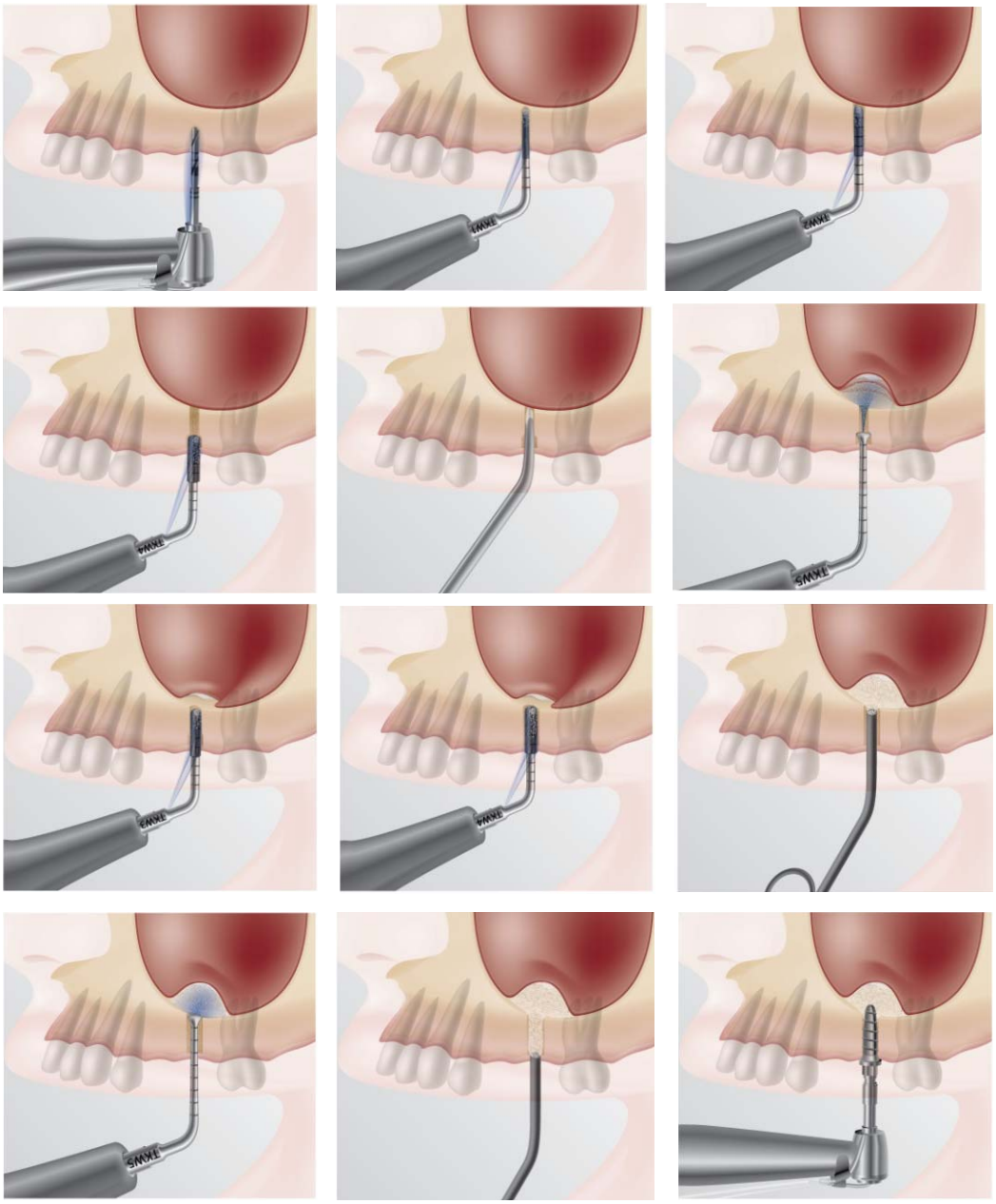
INTRALIFT

Sinus lift by the crestal approach guideline



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1. Reveal Alveolar Crest Bone by a 8x8mm top crest flap or 6mm diameter crestal punch and use an implant pilot drill if the residual bone is more than 3mm. Stop drilling before sinus floor.

2. Pilot drilling with TKW1 Ø 1.35mm in very dense cortical bone when residual bone is less than 3mm. Stop drilling 1mm before reaching the sinus floor bone.

3. Use the cylindrical TKW2 tip (Ø 2.1 mm) to drill, widen the access canal and open the sinus floor to have a direct view on the membrane. Check with unilateral Valsalva-test.

4. Perform a receptacle preparation with TKW4 (Ø 2.8 mm) of 2mm depth (control with the laser marks which are placed every 2mm). If alveolar crest is only 1-2 mm receptacle depth should be 0.5mm.

5. Place a collagen sponge in contact with the sinus membrane for additional perforation protection.

6. Insert the TKW5 tip into the receptacle preparation previously performed, check if TKW is press-fit sealed into the receptacle and activate the ultrasonics for 5 seconds (this will create an augmentation volume of 2.5ml under the sinus membrane). Check floating of sinus-membrane by direct view or by unilateral Valsalva-test.

7. Use the TKW3 (Ø 2.35 mm) to widen the access canal to the sinus membrane prior to plugging bone graft. Because of the selective cut of the ultrasonics and as the membrane has already been fully detached the risk of membrane perforation is almost zero if applied carefully.

8. Widen even more the canal with the TKW4 (Ø 2.8 mm).

9. Insert the bone grafting material.

10. Perform the "Plug & Spray" technique with TKW5 for 2-3 seconds if bone graft gets stuck in the canal and/or to disperse the bone graft evenly on the sinus floor.

11. Complete the biomaterial insertion.

12. Place the implant if you have enough primary stability. Take into consideration that the implant will consume 50 % of the augmentation volume so insert only 50% of bone graft in order to prevent a membrane rupture during implant insertion.

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