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SINUS LIFT KIT

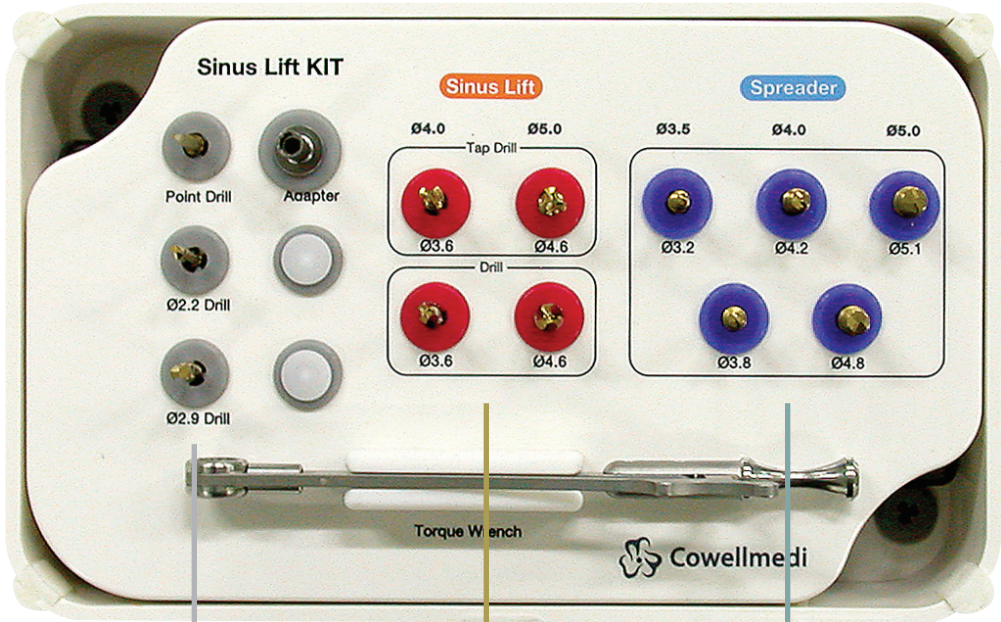


CWM
Cowellmedi Co., Ltd.

COWELLMEDI IMPLANT SYSTEM

Sinus Lift KIT [KSA001]

SINUS LIFT KIT is the world's most innovating kit for performing maxillary sinus lift, ridge splits, and bone condensing cases. This revolutionary kit uses US Patented Modified Tap Drills and Spreaders in order to allow any dentists to easily lift, split, or condense surrounding bone with simple drilling. Dentists can expect more predictable results, and patients can enjoy less traumatic surgeries with shorter chair time.



- For All Surgery**
- > Universally Used Drills / Used for both sinus lift or ridge split.
 - > Drilling must be accompanied with copious amounts of refrigerated sterile irrigation.

Drill Speed : 800-2000 rpm

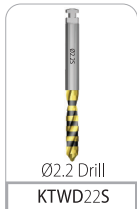


Point Drill
KPD01S



Adapter
KRA20L

For manual operation using Torque Wrench, Adapter need to connect Machine Driver with Torque Wrench



Ø2.2 Drill
KTWD22S



Ø2.9 Drill
KTWD29SL



Torque Wrench
KTW001

Sinus Lift

- > Used in any Maxillary Sinus Implantations.

Drill Speed : 20-30 rpm
Torque : 45 N·cm

Ø4.0 fixture



Ø3.6 Tap
KMTD36S



Ø3.6 Drill
KTWD36S

Ø5.0 fixture



Ø4.6 Tap
KMTD46S



Ø4.6 Drill
KTWD46S

Spreader

- > Used in Bone Condensing or Ridge Split Implantations.
- > Also used in maxillary sinus lift & immediate placement cases.

Drill Speed : 20-30 rpm
Torque : 45 N·cm



Ø3.2
KMTD32S



Ø4.2
KMTD42S



Ø5.1
KMTD51S



Ø3.8
KMTD38S

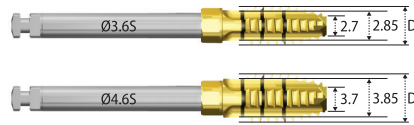


Ø4.8
KMTD48S

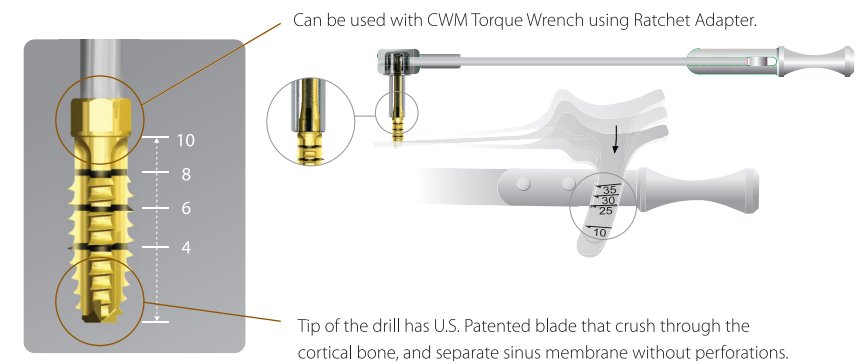
Sinus Lift

Tap Drill (Ø3.6 ,Ø4.6)

- > The Tap Drill uses low speed and high torque to grind through the maxillary bone, and safely elevates sinus without membrane perforation.
- > Must be used at 20rpm / 40~45N.cm.
- > No irrigation is required.

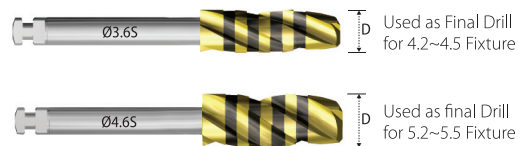


Diameter	Ø3.6	Ø4.6
	KMTD36S	KMTD46S



Twist Drill (Ø3.6 ,Ø4.6)

- > The Twist Drill is used after tapping as final drill for dense bone (Bone quality of 2 or greater), or to eliminate tapping thread in order to facilitate bone grafting.
- > Must be used at 20rpm / 40~45N.cm.
- > No irrigation is required.



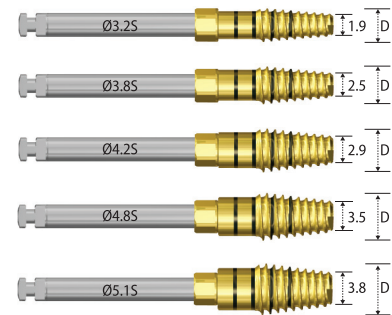
Diameter	Ø3.6	Ø4.6
	KTWD36S	KTWD46S



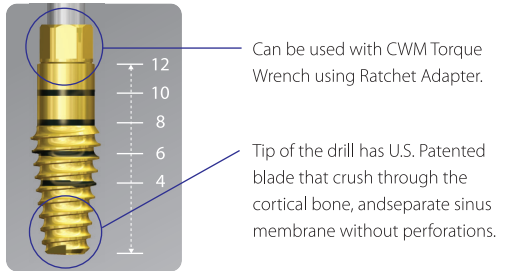
Spreader

Tap Drill (Ø3.2 , Ø3.8, Ø4.2, Ø4.8, Ø5.1)

- > The Spreader Drill is used to condense and/or spread the bone in either sinus lift or ridge split cases.
- > Must be used at 20rpm / 40~45N.cm.
- > No irrigation is required.



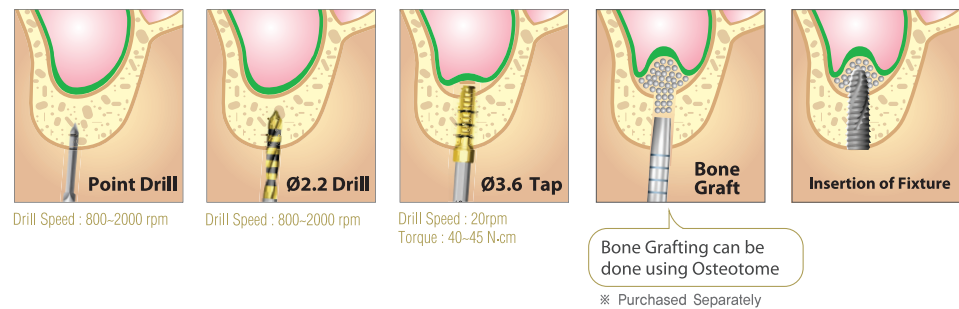
Diameter	Ø3.2	Ø3.8	Ø4.2	Ø4.8	Ø5.1
	KMTD32S	KMTD38S	KMTD42S	KMTD48S	KMTD51S



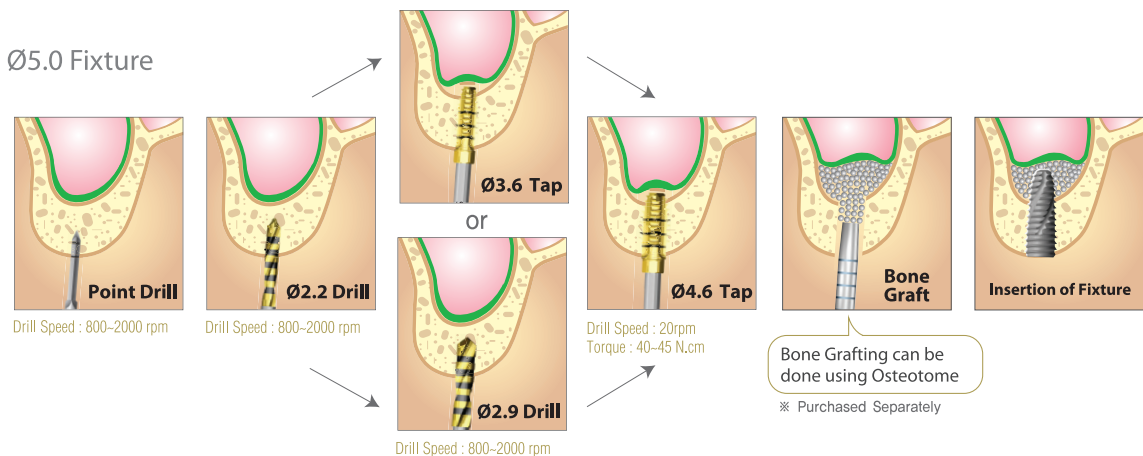
Sequence -Sinus Lift

Standard Sequence

Ø4.0 Fixture



Ø5.0 Fixture

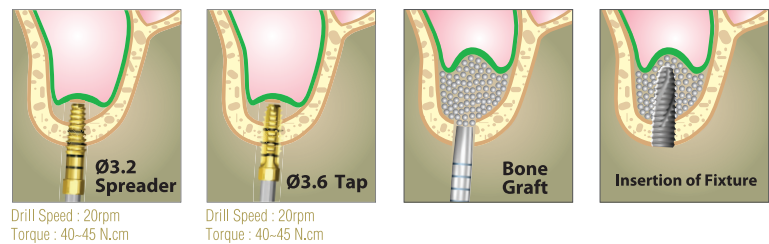


Modified Sequence

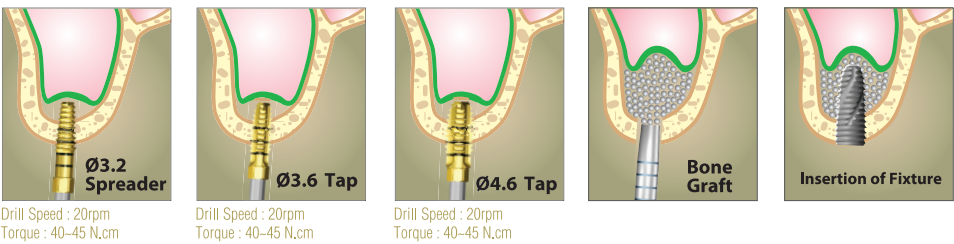
Indication (1)

- > If remaining vertical bone depth is limited to 1~3mm.
- > If cortical bone was not elevated with standard sequence.

Ø4.0 Fixture



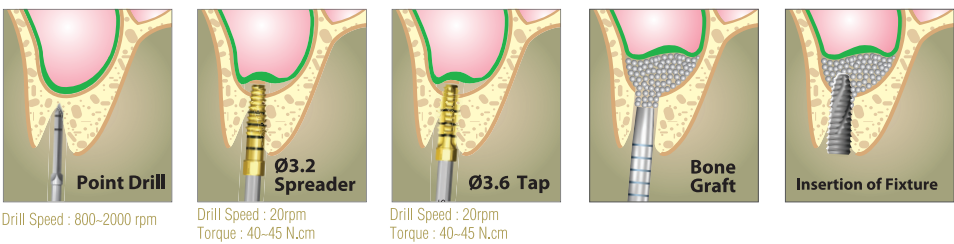
Ø5.0 Fixture



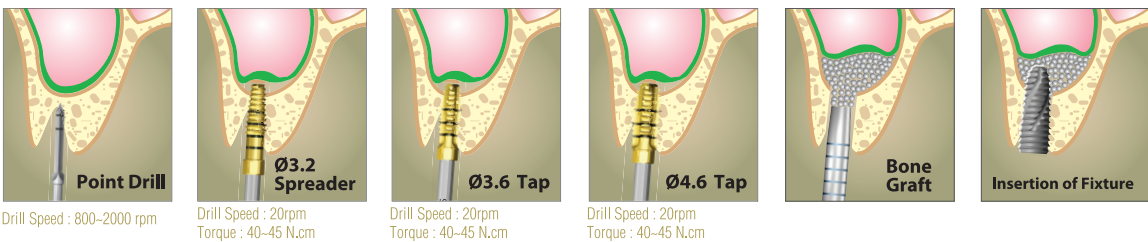
Indication (2)

- > Sinus lift through extraction socket.

Ø4.0 Fixture



Ø5.0 Fixture

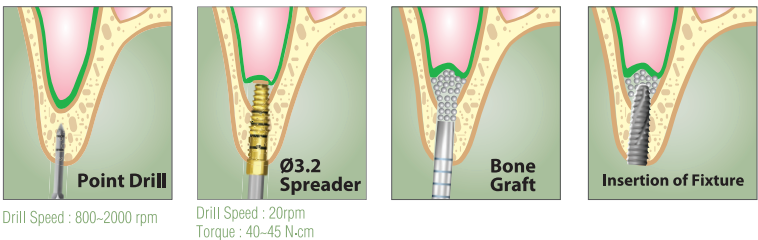


Sinus lift technique with ridge expansion.

Indication

- > If remaining horizontal bone width is limited to 4~5mm.

Ø3.5 Fixture

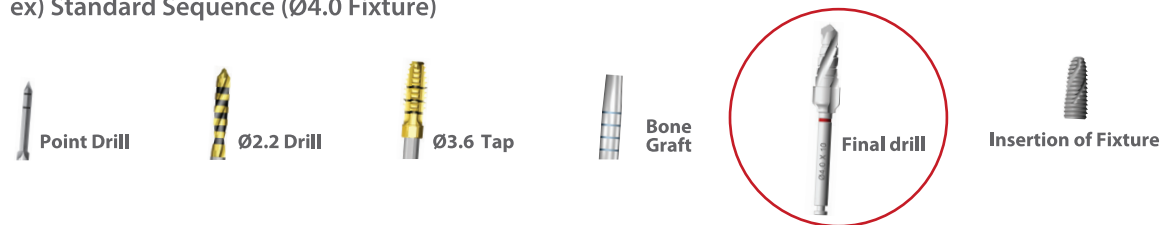


Note

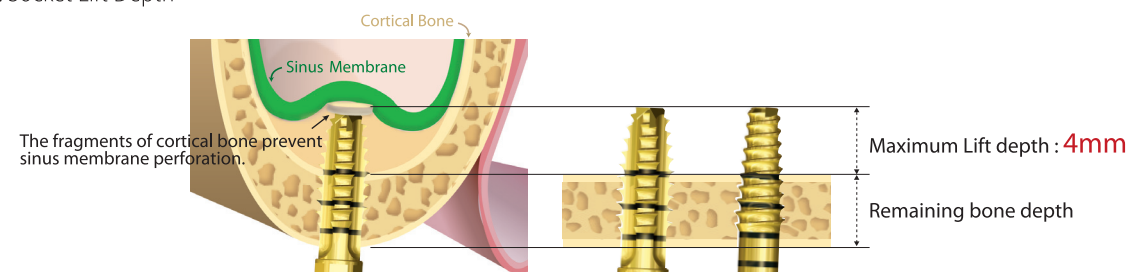
1. In case of Sinus Lift, Sharp and narrow tip of 3.2 Spreader allows to drill through the bone without using Point Drill.

2. In case of Bone Quality Type 2, use the final drill of the implant to prevent condensing osteotomy.

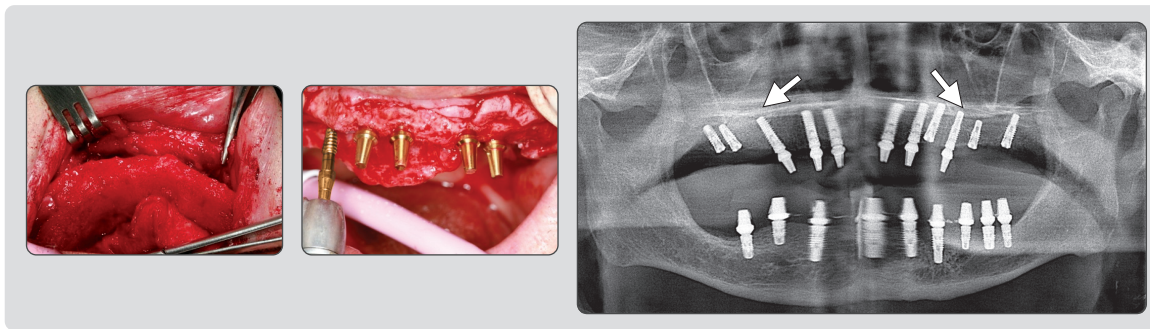
ex) Standard Sequence (Ø4.0 Fixture)



3. Socket Lift Depth

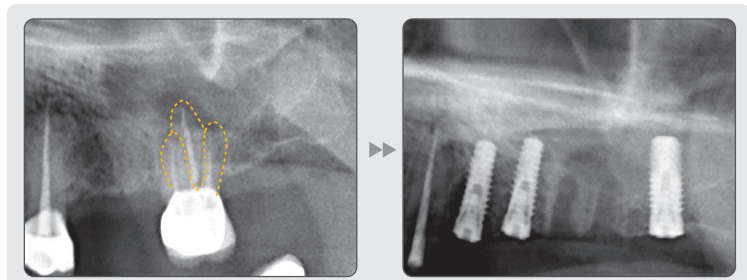


Immediate Loading and Sinus Lift Technique with Spreader Drill. (Ø4.0 Fixture)



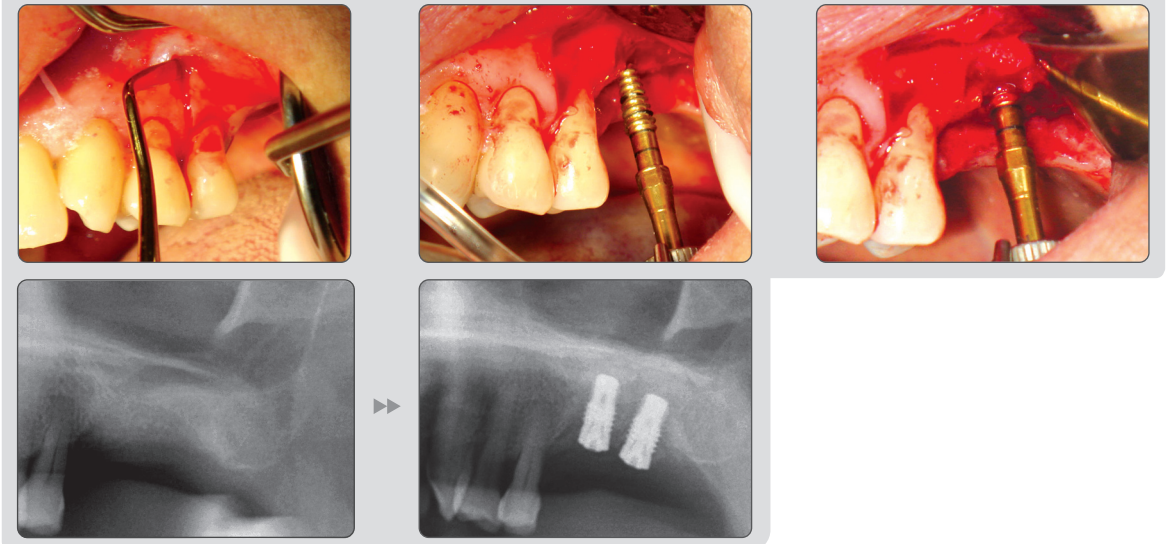
The Elevated Level and Pattern of Sinus Membrane according to Grafted Bone Volume.

Sinus Lift Technique through Drilled hole : 0.75 cc bone graft

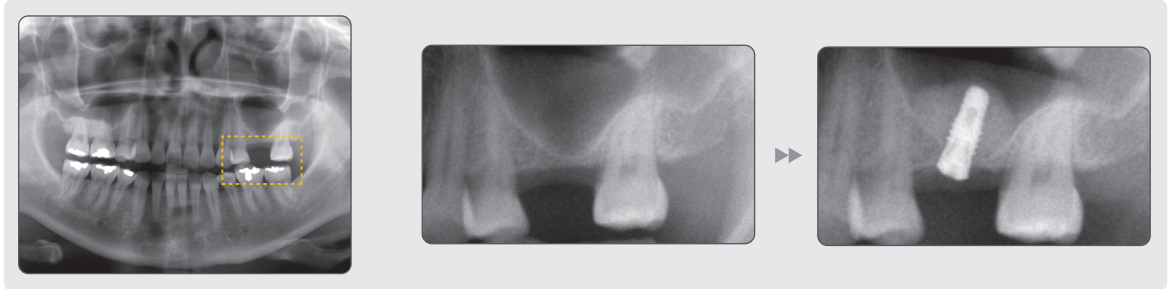


Elevation was not done at root tip expressions

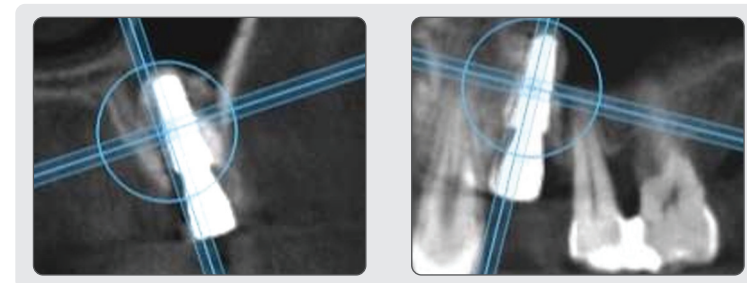
Sinus Lift Technique through Drilled hole : 0.75 cc bone graft



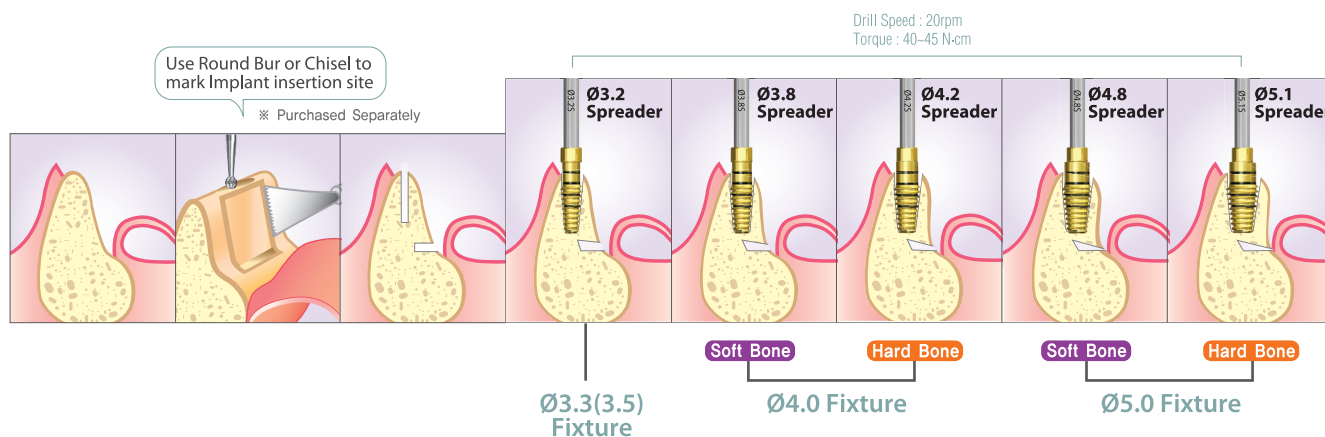
Sinus Lift Technique through Drilled hole : 1 cc bone graft



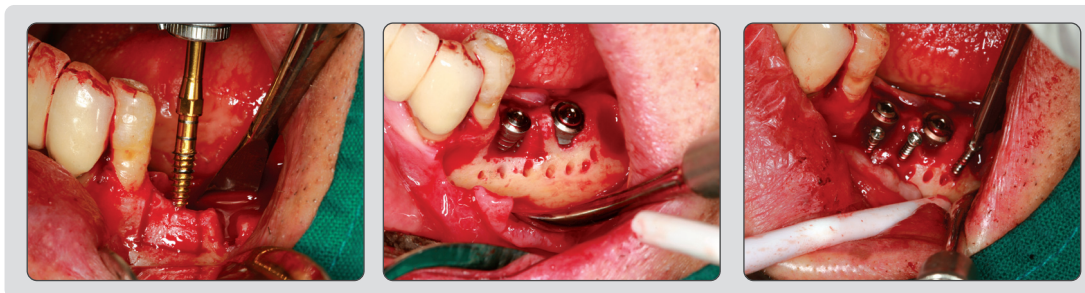
Sinus lift in Anterior wall of sinus : 0.25 cc bone graft



Surgical Manual -Spreader



►► Ridge Split using Spreader Drill and Bone Augmentation using Tenting Bone Screws. (Ø4.0 Fixture)



►► Ridge Split and Block Bone Augmentation Technique with Spreader Drill (Ø4.0 Fixture)

