

*New Innovative Sinus Drills Set*

# *Socket Reamer Set*



MYTIS  
Arrow Implant 

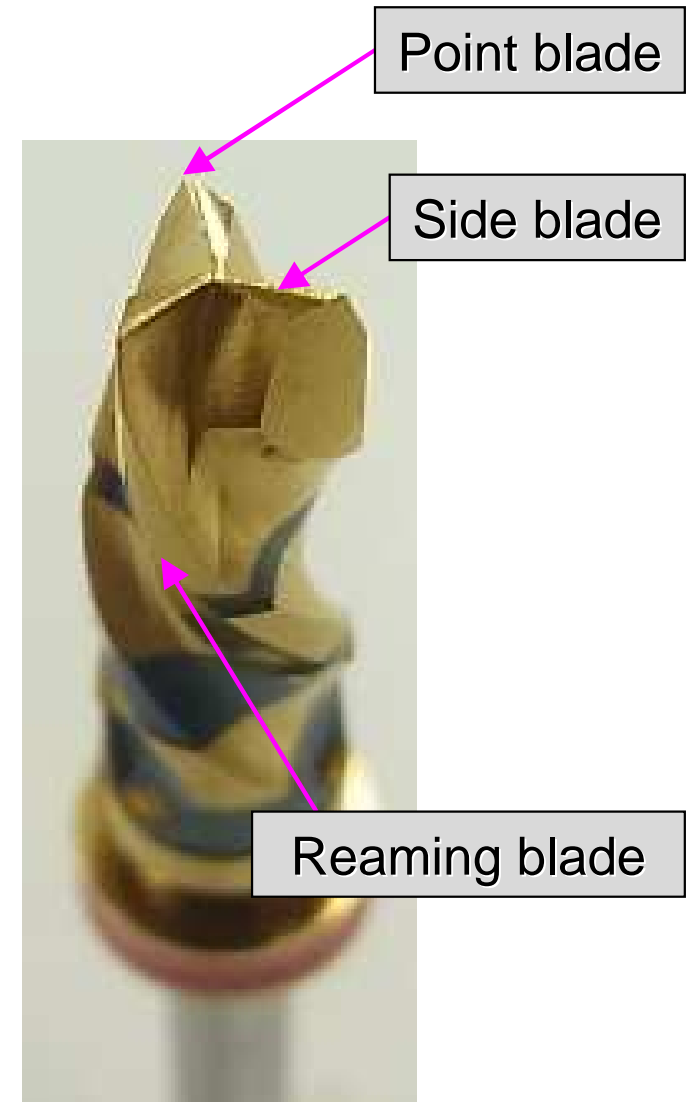
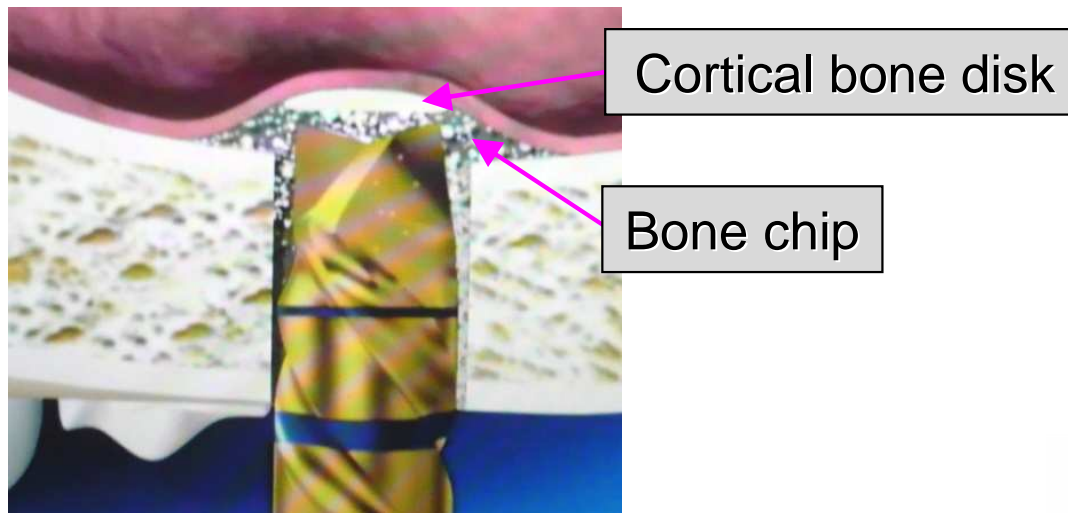
BrainBase Corporation



# Socket Reamer Set

## Innovative Three Cutting Blades

It has innovative three cutting blades with an inverse screw structure. Due to this property, it enables to lift bone chip up inside bone and form cortical bone disk simultaneously. By interposing bone chip between sinus membrane and the tip of Socket Reamer, it allows for sinus bottom elevation without hurting membrane.



3-cutting blades

# Socket Reamer Set

3 Reamer Stopper

3.0/4.5/6.0/7.5/9.0

(For Socket Reamer 2.5/ 3.0)

Reamer Hand Wrench



Socket Reamer

2.5/3.0/3.5/4.0



4 Reamer Stopper

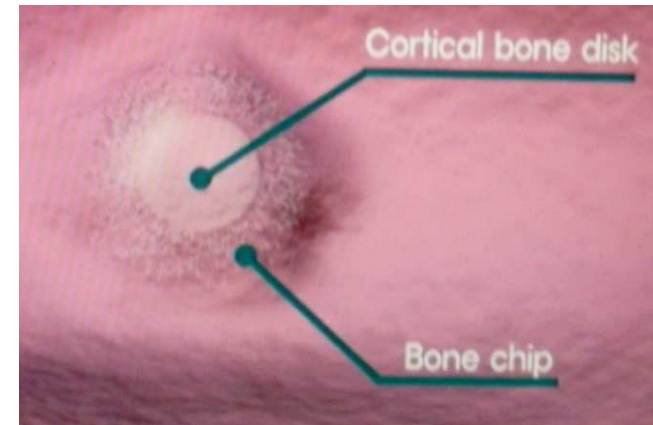
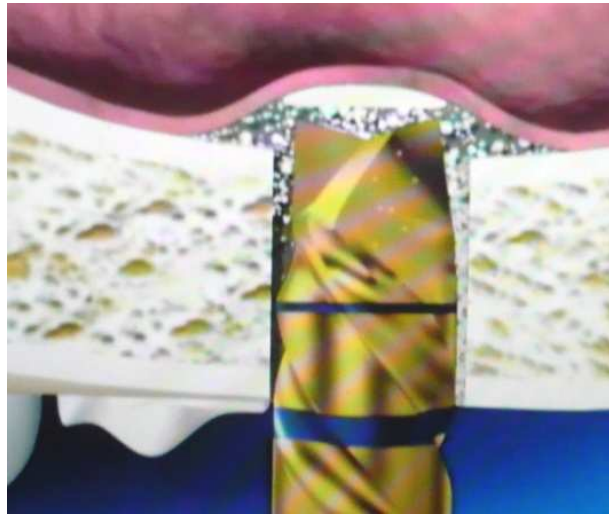
3.0/4.5/6.0/7.5/9.0

(For Socket Reamer 3.5/ 4.0)





## Precautions on operating procedure

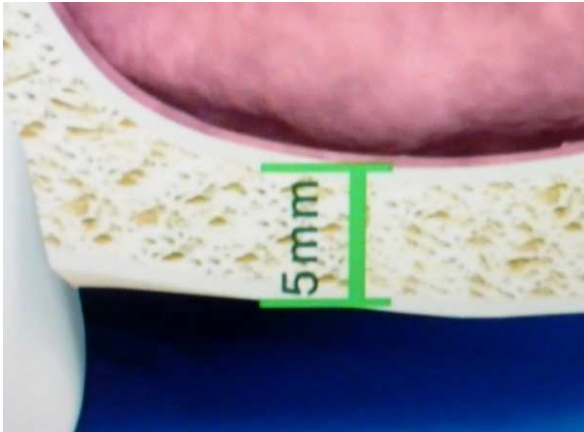


### **【Important precautions】**

When forming a guide bone, special caution is required since there are several types of bone quality.

Following the standard rotation value of 40-50rpm and the torque value of 40N, drill the bone with 20N and implant bone graft with 15rpm in case of soft bone quality.

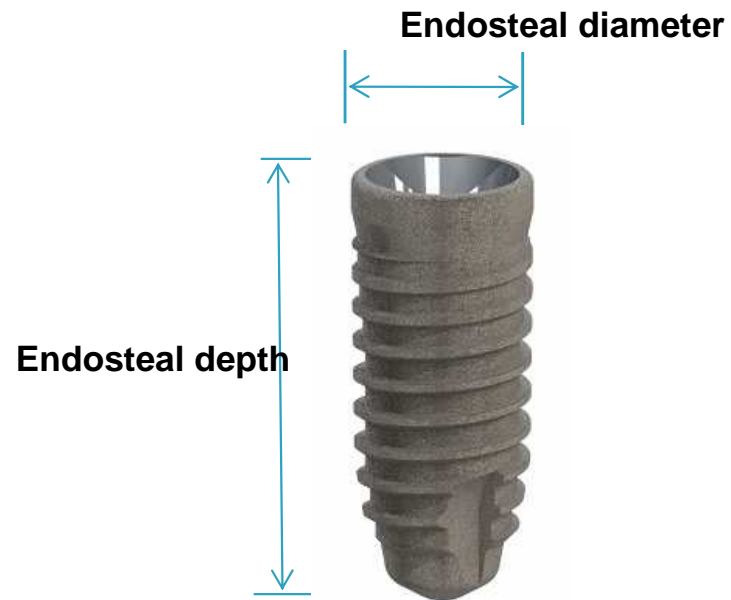
# In case of residual bone distance 5mm up to the floor of maxillary sinus



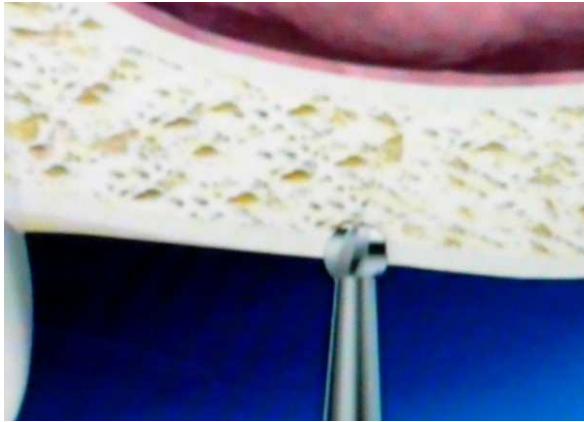
<Fixture to be placed>

In case of placing C4010S fixture

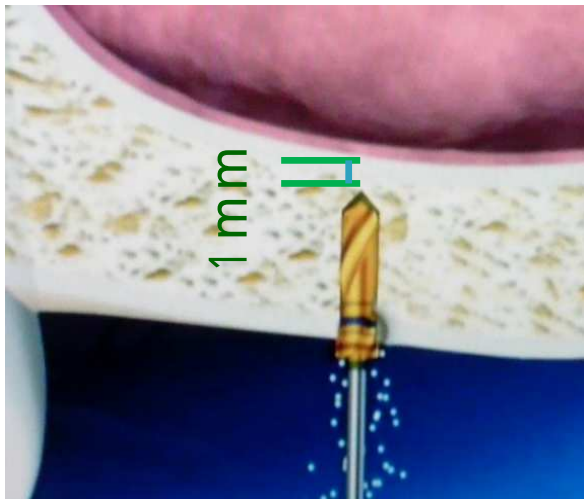
(Endosteal diameter : 4.0mm / Endosteal depth : 10.0mm)



## Forming a guide bone

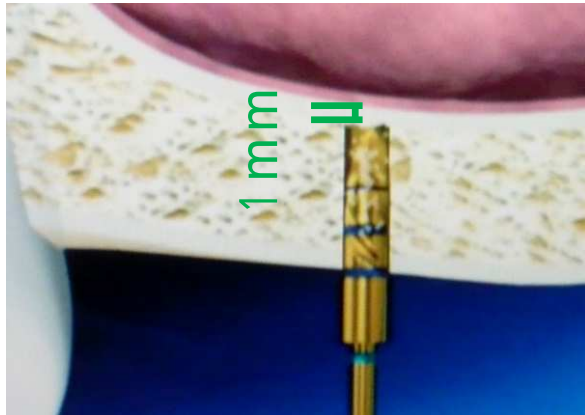


Marking with a Round Bur.



By using a 2.0- Guide Drill, drilling to safety distance (1mm) before floor of maxillary sinus. (Using a Depth Gauge and dental X-rays, confirm the depth of the formed hole)

## Reaming by using a 2.5- Socket Reamer (1st reaming)

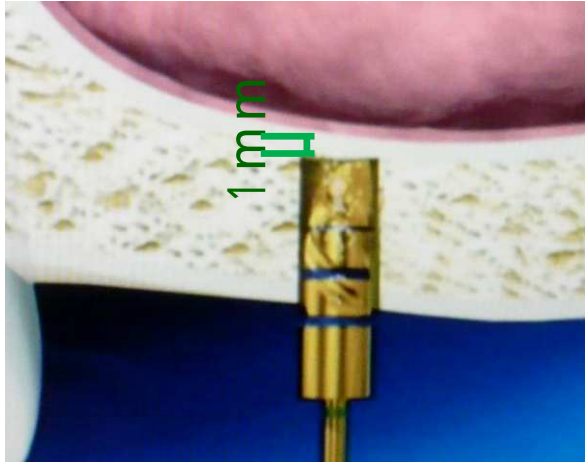


By using a 2.5- Socket Reamer, reaming to the safety distance (1mm) before floor of maxillary sinus.  
【40 ~ 50rpm / 40N】

Safety reaming can be done by using reamer stoppers.



## Reaming by using a 3.0- Socket Reamer (2nd reaming)



By using a 3.0- Socket Reamer, reaming to the safety distance (1mm) before floor of maxillary sinus.  
【40 ~ 50rpm / 40N】

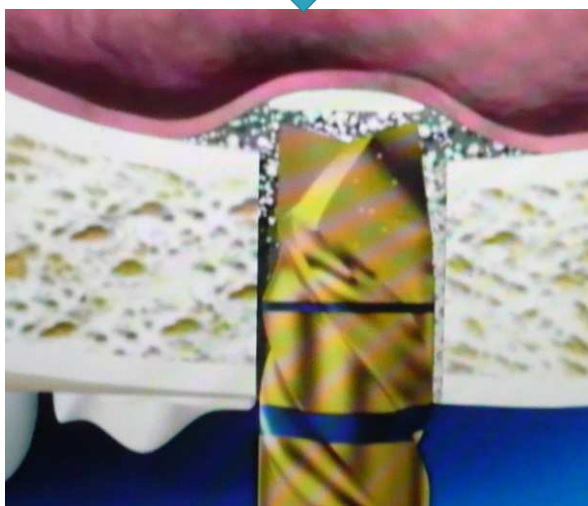
(When placing a 4.0mm fixture, a 3.0- Socket Reamer is the final size reamer)



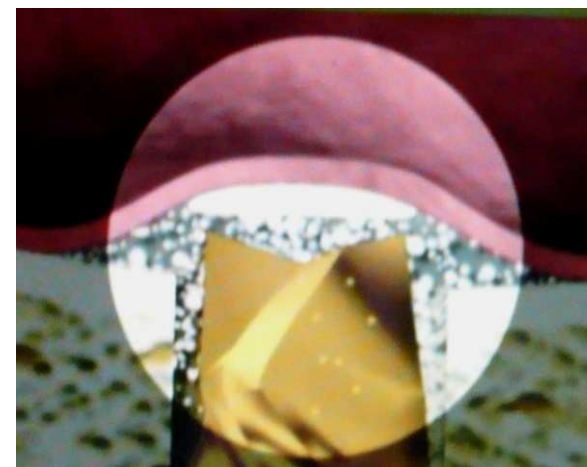
## Lift cortical bone up by using a 3.0- Socket Reamer



Using a 3.0- Socket Reamer, lift cortical bone up. [40 ~ 50rpm / 40N]



Cortical bone lift  
The maxillary sinus bottom is being lifted up. (Cortical Bone Disk & Bone Chip)



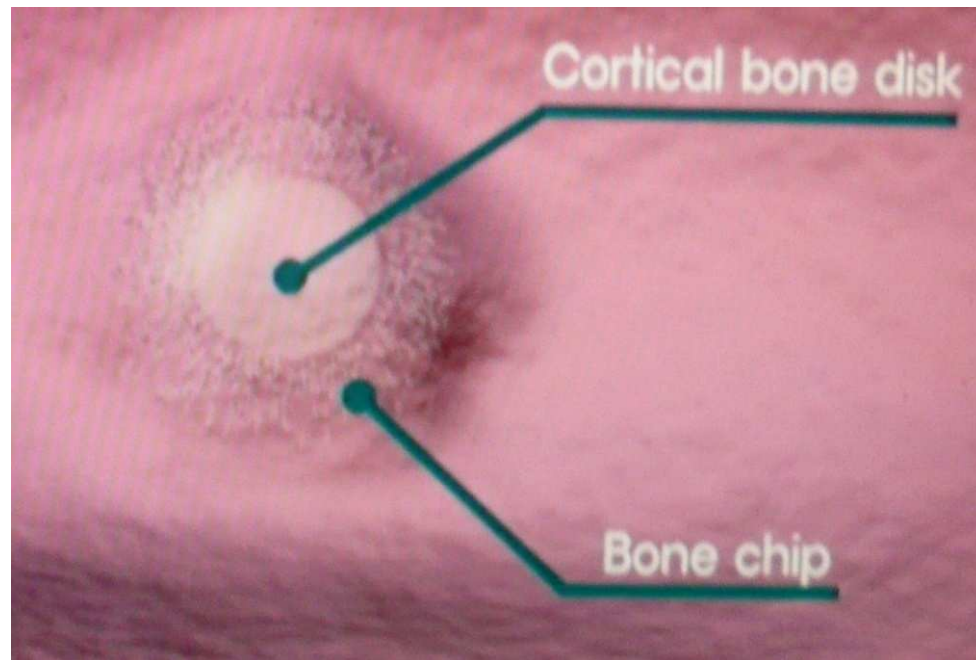
[The enlarged figure of cortical bone lift]

(When placing a 4.0mm fixture, a 3.0- Socket Reamer is the final size reamer)

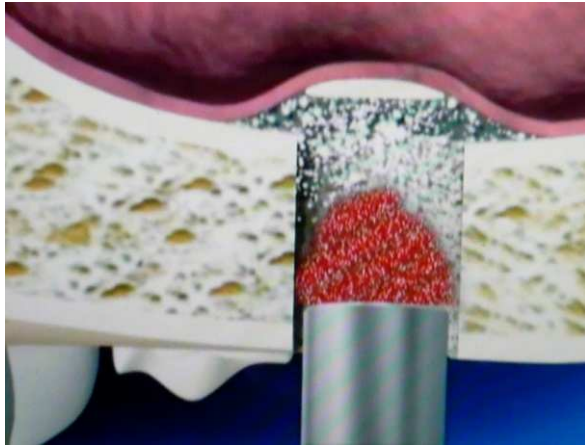
## Lift cortical bone up (disk up of cortical bone)



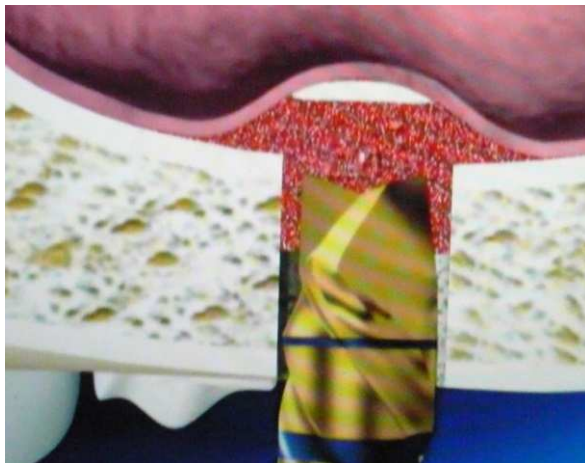
The maxillary sinus bottom is being lifted up.  
(The bone chip and cortical bone disk remains inside the formed bed.)



## By using a Socket Reamer, perform bone graft & sinus lift



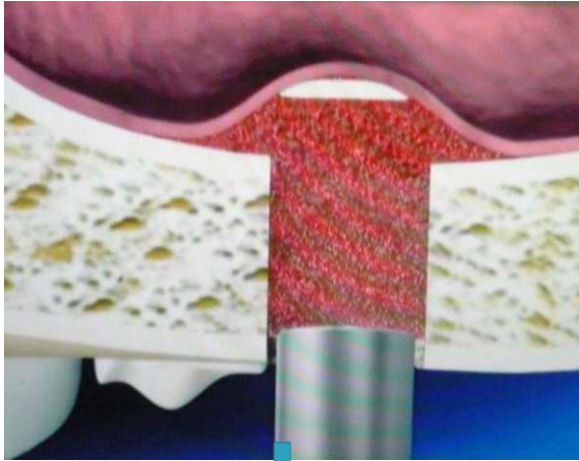
Implant bone graft (Arrow Bone- ) and/or autogenous bone into the formed hole by using an instrument.



Lifting the maxillary sinus bottom up by using a **3.0mm- Socket Reamer.**  
(Use a final size of Socket Reamer)  
【15rpm / 40N】



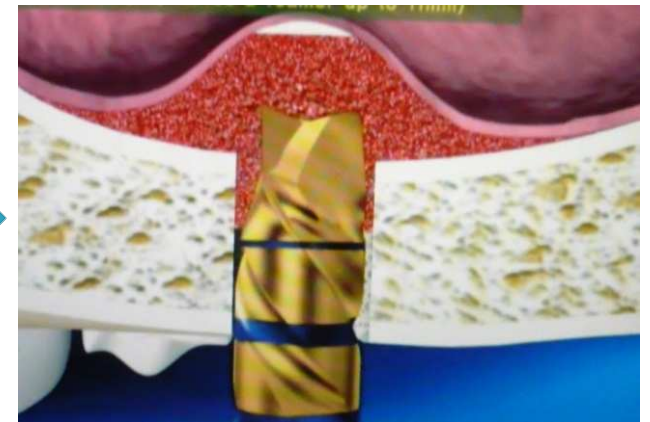
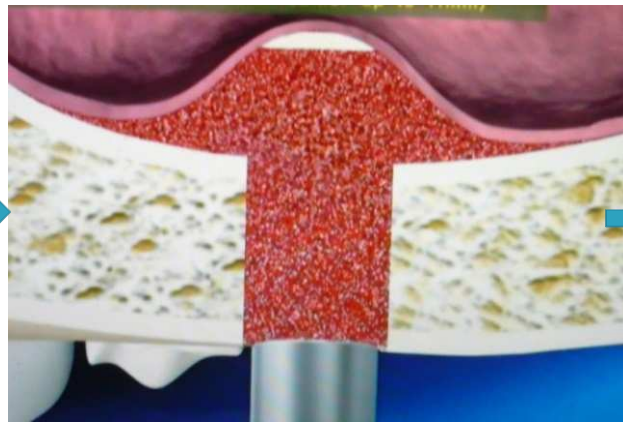
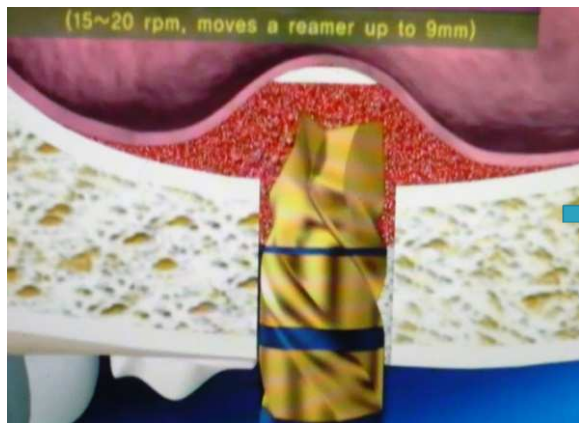
By using a Socket Reamer, perform bone graft & sinus lift



Up to the planned area, repeat bone graft & sinus lift

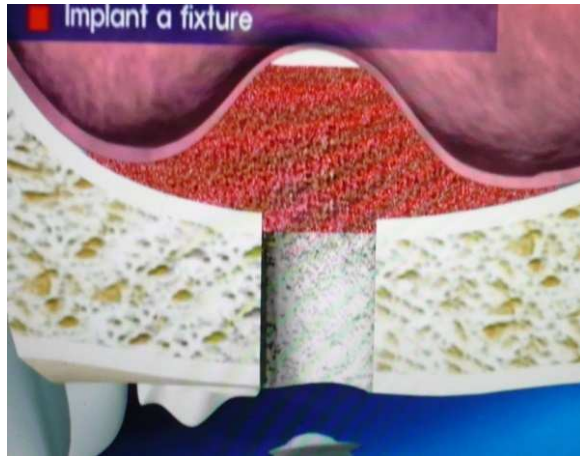
【15rpm / 40N】

(Lift the maxillary sinus bottom by 2mm per one try of bone graft & sinus lift)





## Completion of maxillary sinus bottom elevation



After sinus lift (disk-up of cortical bone) is finished, confirm the status of maxillary sinus bottom elevation with dental X-rays.

## Implant a fixture (C4010S)



After maxillary sinus bottom elevation is finished, place C4010S fixture and attach a Seal Cap onto the fixture.

And then, suture the surgical site to complete surgical procedure.

< Socket Reamer Set / Arrow Implant Drilling Sequence Chart >

D



	Round Bur	Guide Drill 20	Socket Reamer 2.5	Socket Reamer 3.0	Socket Reamer 3.5	Socket Reamer 4.0
D: 4.0mm (C40xxS)	Marking	Drilling	Reaming	Reaming Sinus Lift		
D: 4.3mm (C43xxS) (C46xxS)	Marking	Drilling	Reaming	Reaming	Reaming Sinus Lift	
D: 5.0mm (EW50xxS)	Marking	Drilling	Reaming	Reaming	Reaming	Reaming Sinus Lift

