



LIVE

Surgery

Dr. SM Chung

2020.10.08 (THU.)



[Case Preview]

Simpler approach to Implant placement and Sinus Lifting

Patient Information

Age : 69

Sex : Male

Chief Complaint

: I feel uncomfortable using denture.
I can't taste it when I eat something.

Past Medical History

: Hypertension (Take aspirin)



Patient Information

Surgery Plan (#10)

- Implant placement using Tissue level fixture (#14, 15, 16 or #14, 15, 17)
- Using Digital Guide



Patient Information

Surgery Plan (#20)

- Sinus lifting with crestal approach
- #26,27 Implant placement using Bone level fixture (Digital Guide)
- Bone grafting



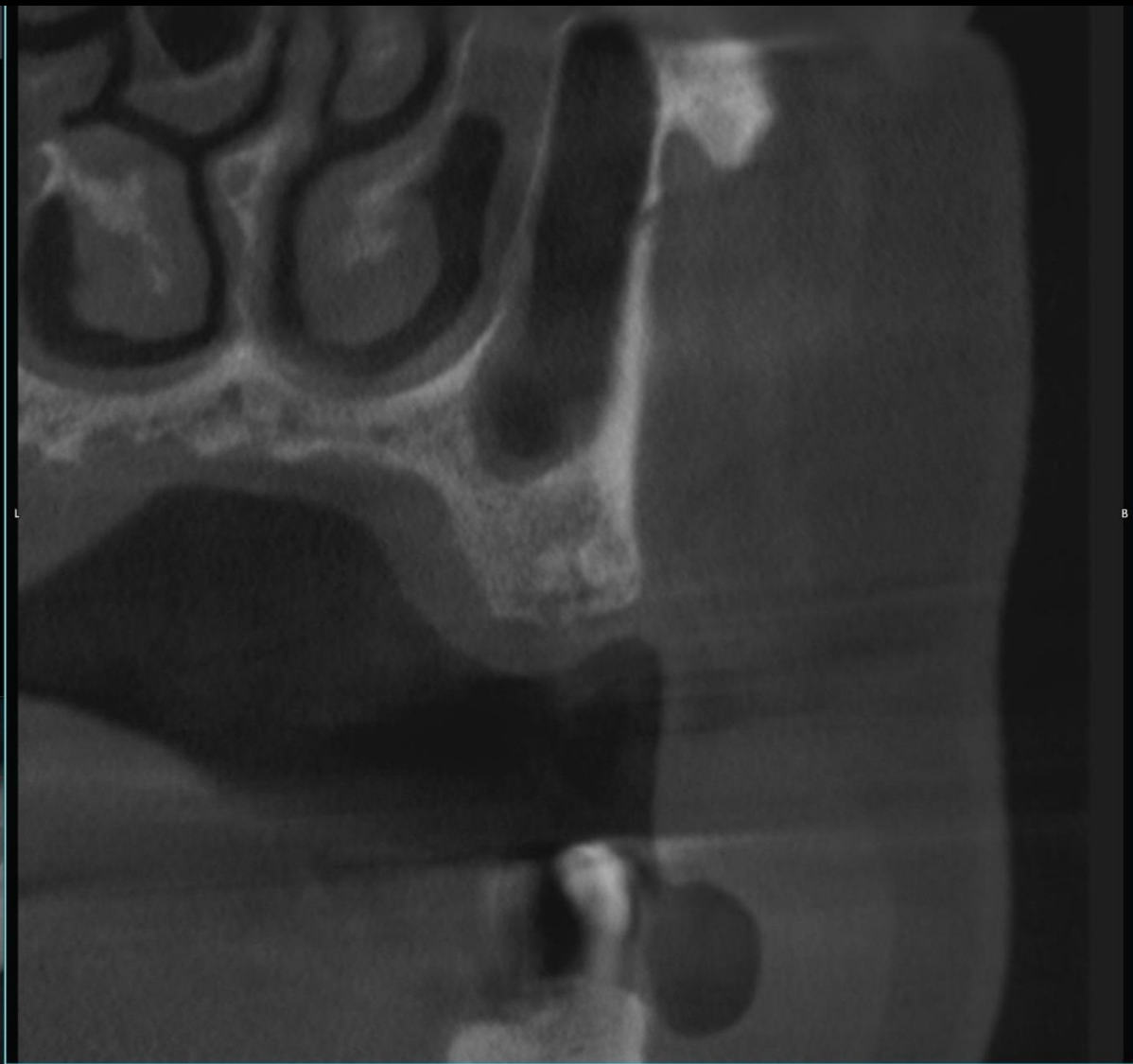
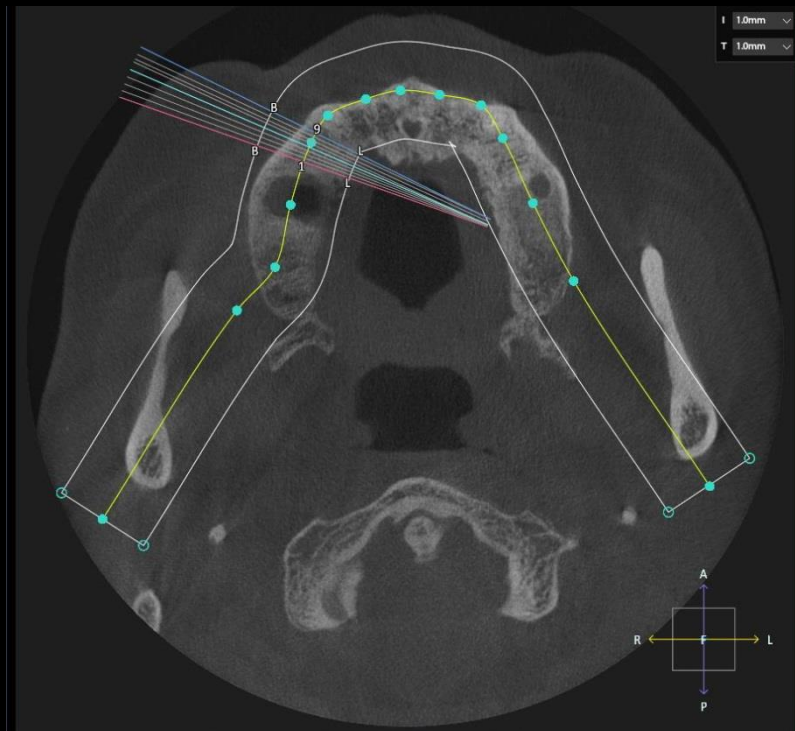
Pt. YIH (69/Male)

Pre-op (2020-09-17)



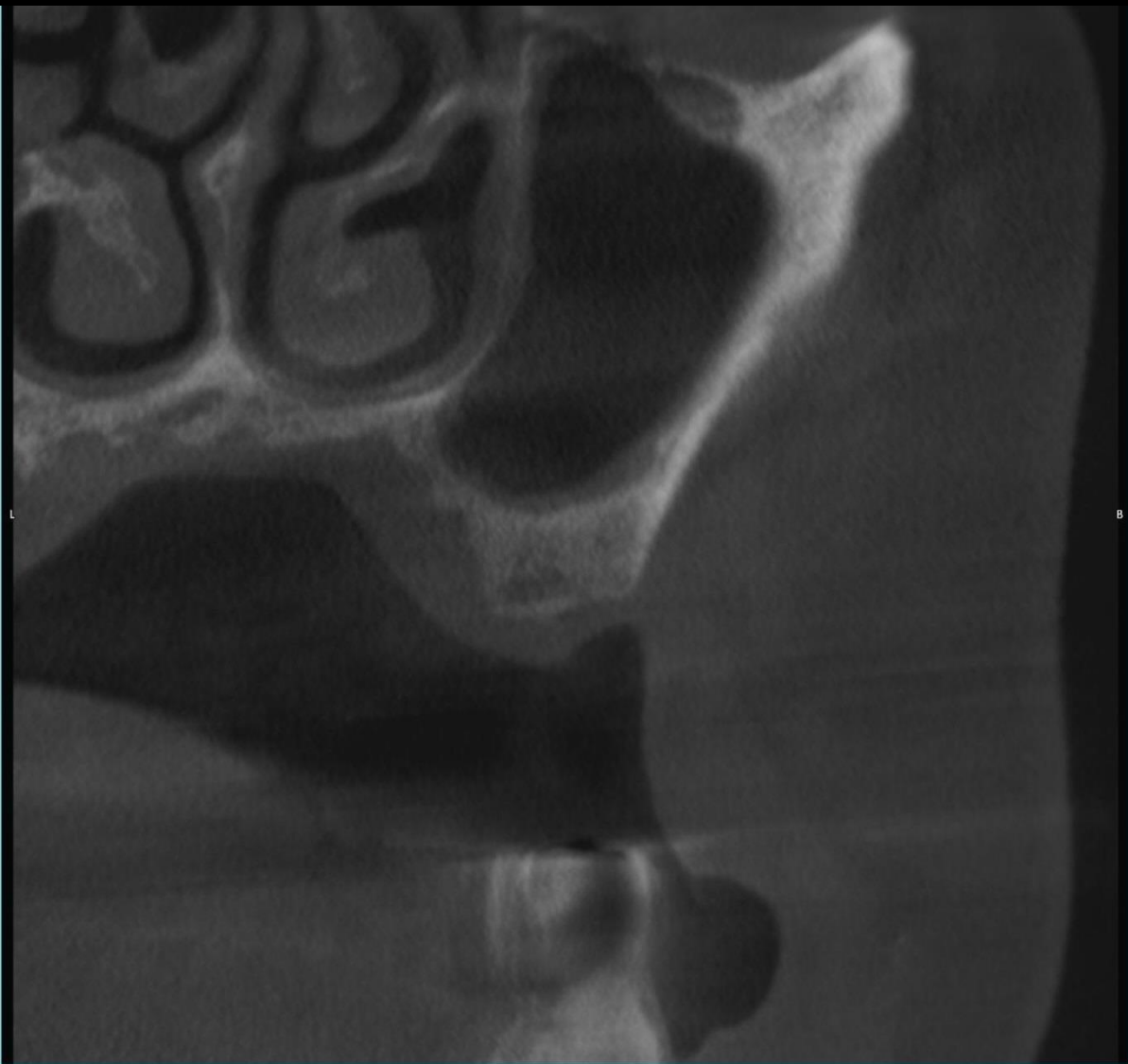
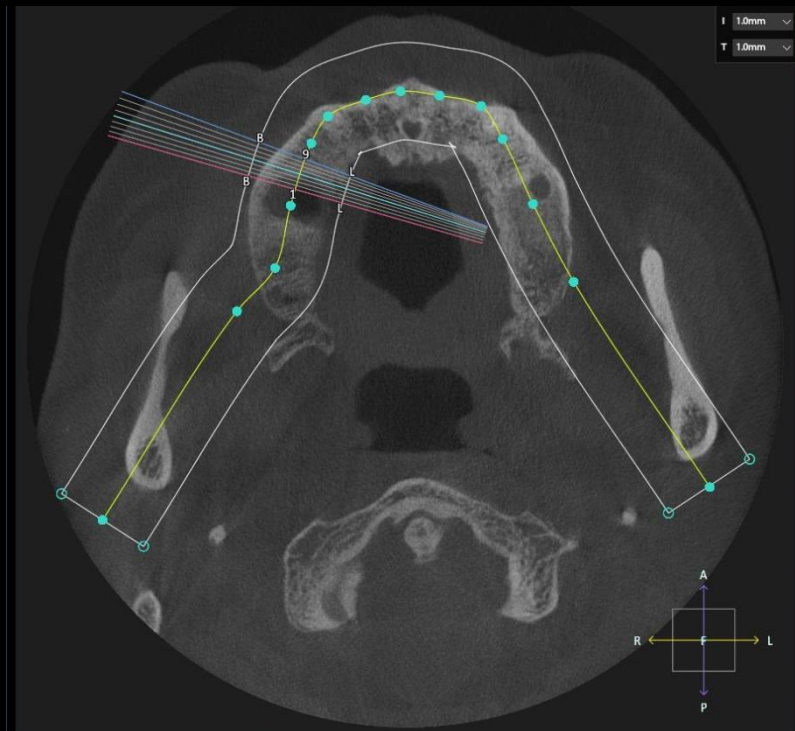
Pt. YIH (69/Male)

#14 Pre-op (2020-09-17)



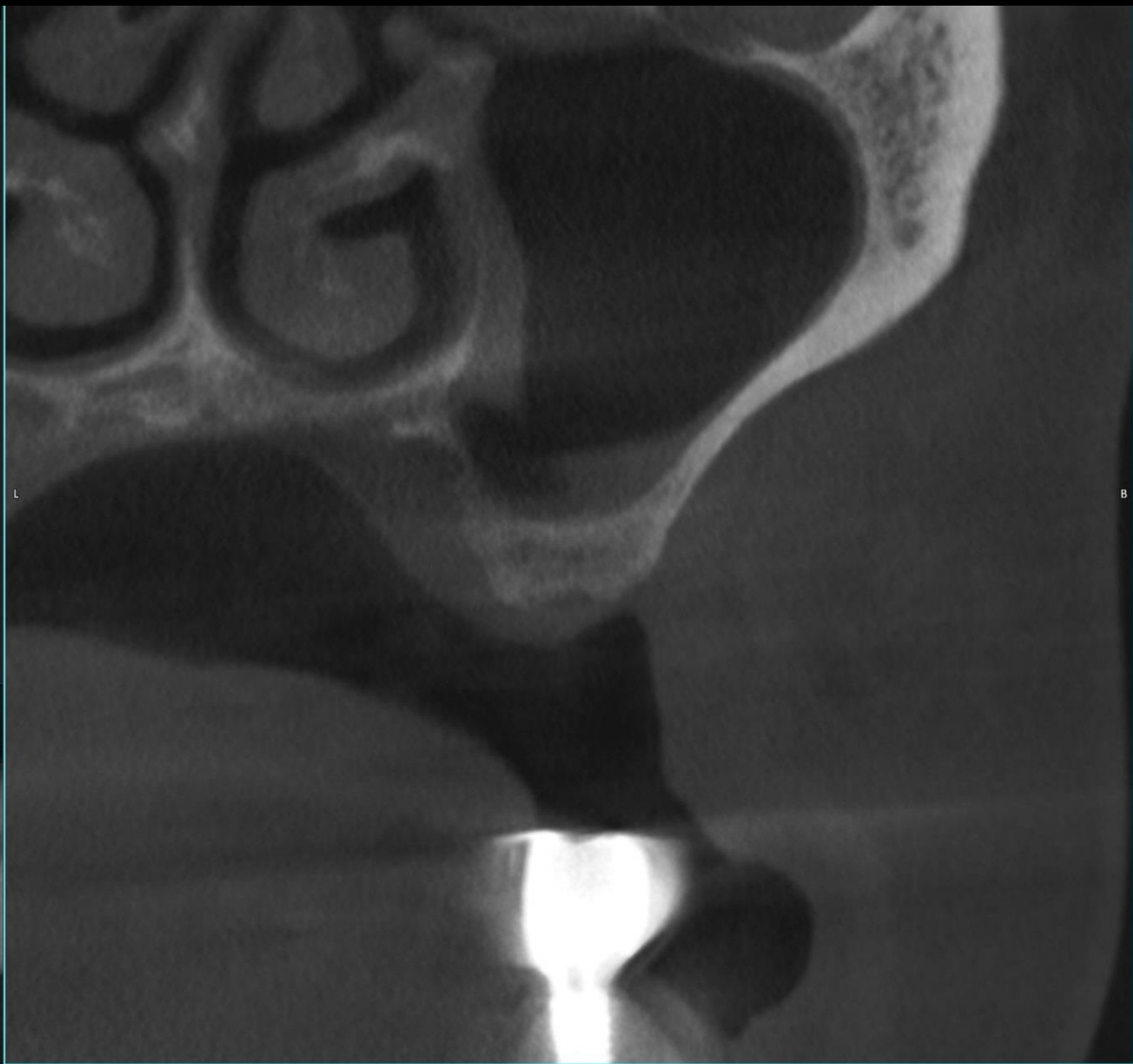
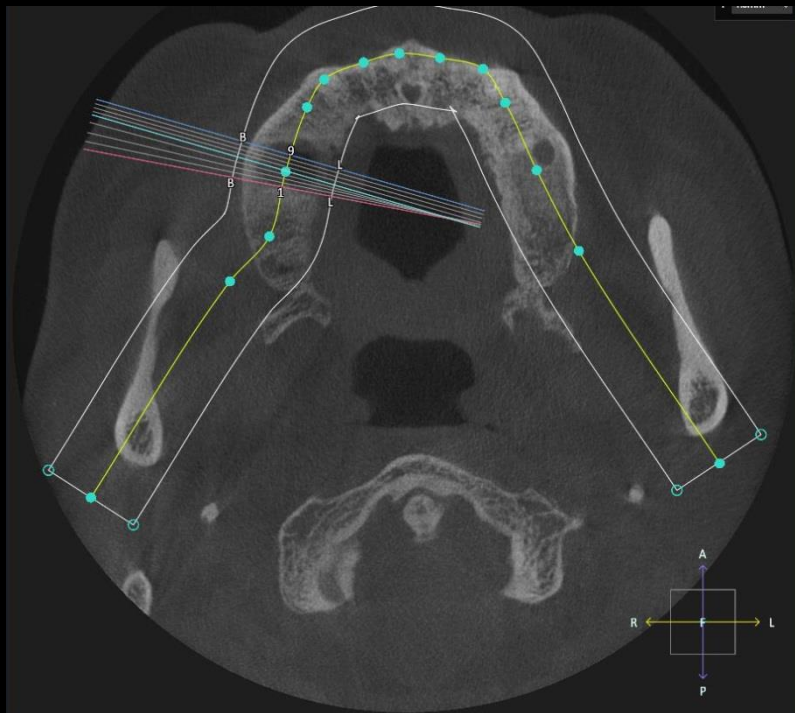
Pt. YIH (69/Male)

#15 Pre-op (2020-09-17)



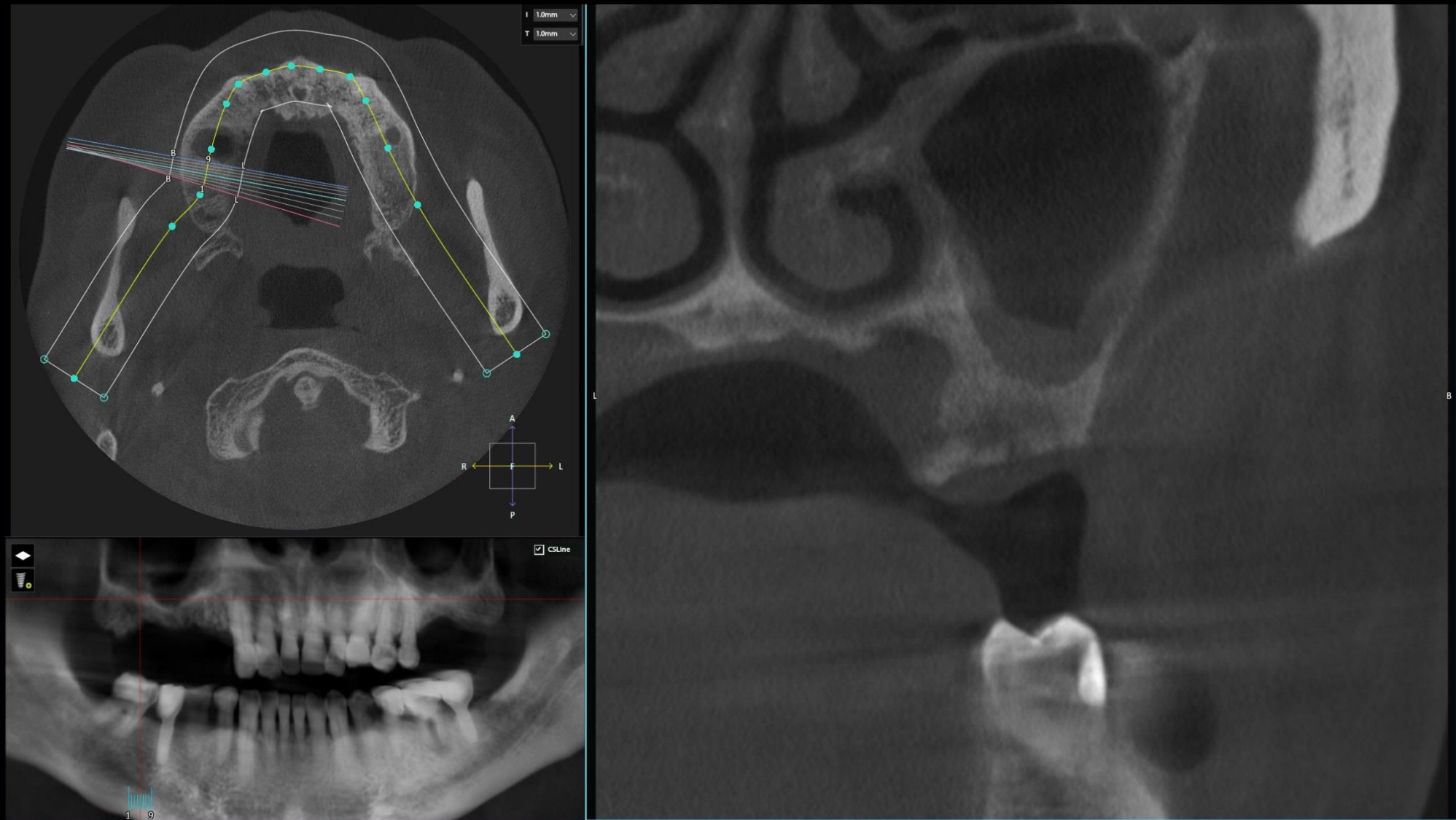
Pt. YIH (69/Male)

#16 Pre-op (2020-09-17)



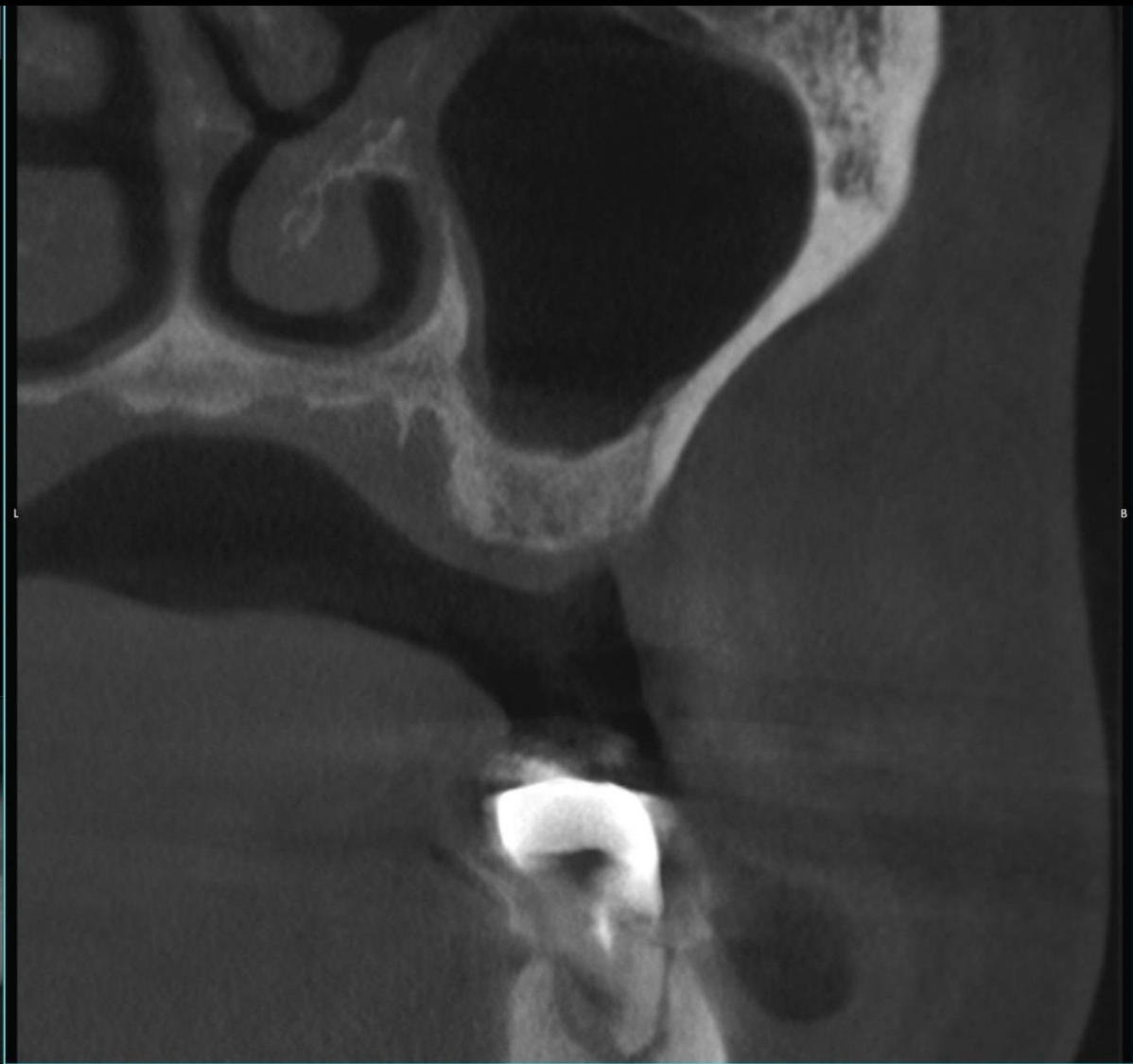
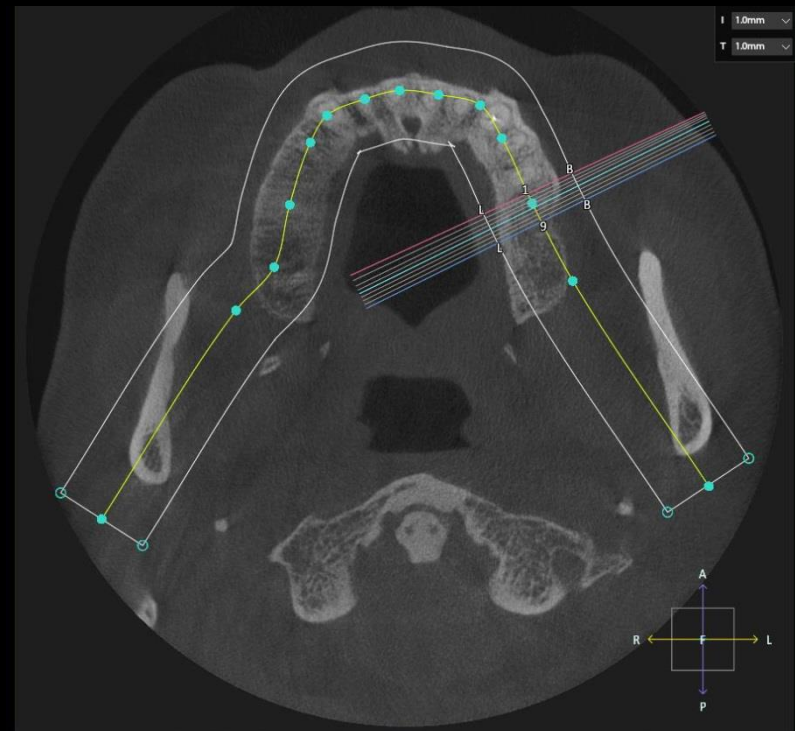
Pt. YIH (69/Male)

#17 Pre-op (2020-09-17)



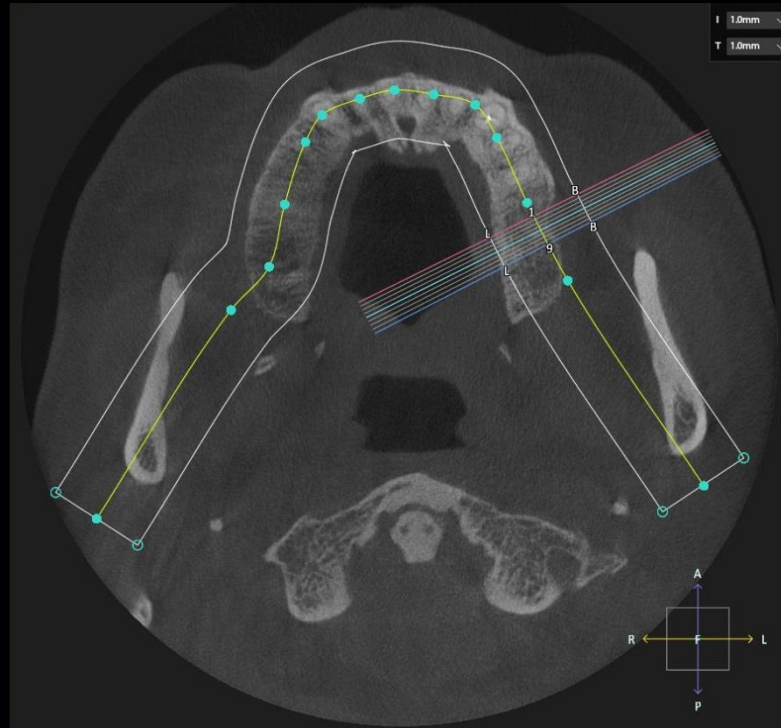
Pt. YIH (69/Male)

#26 Pre-op (2020-09-17)



Pt. YIH (69/Male)

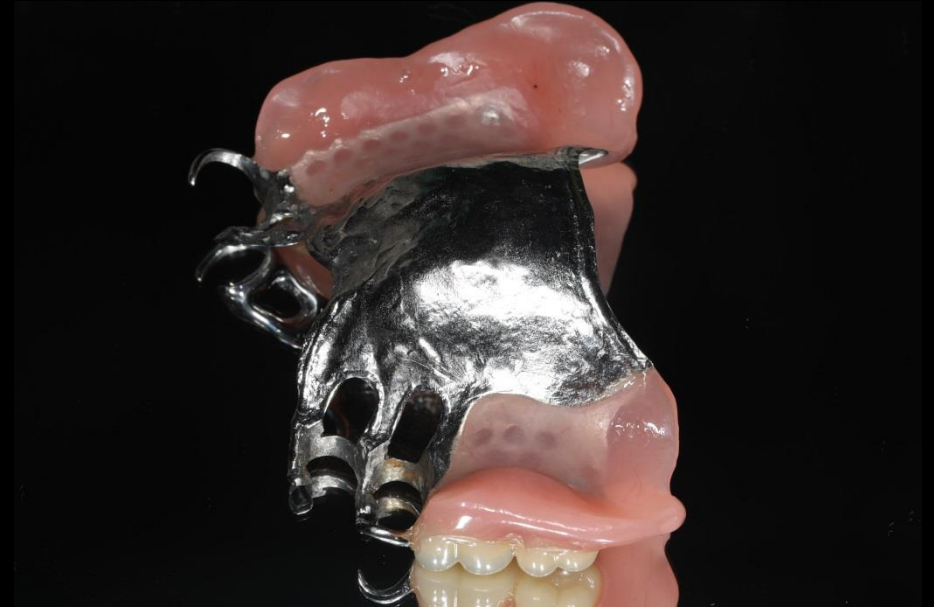
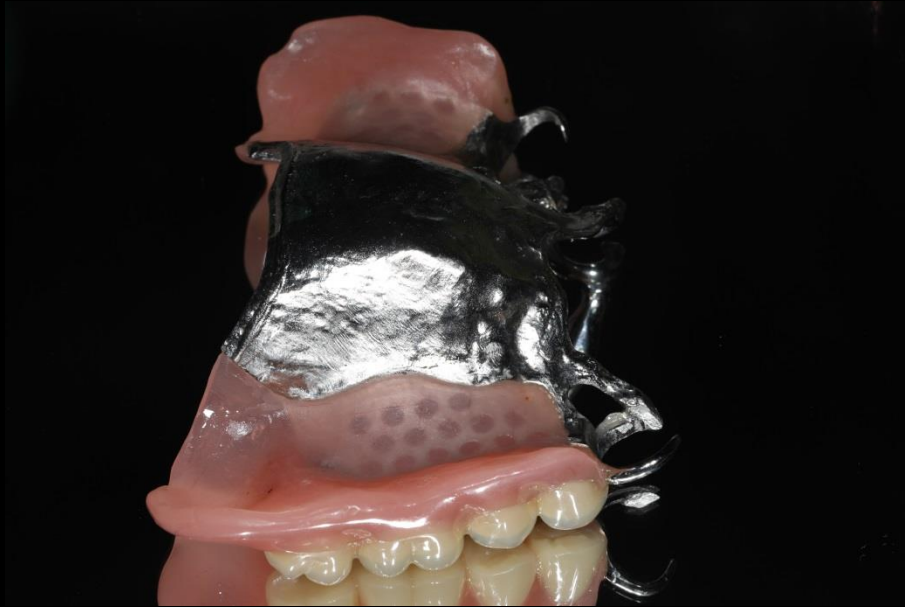
#27 Pre-op (2020-09-17)



Initial Photo (with Removable denture)



Removable denture



Initial Photo

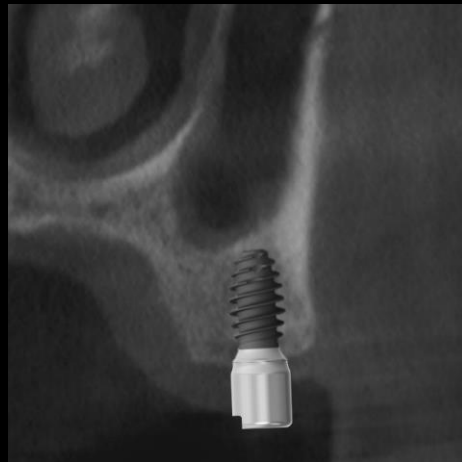
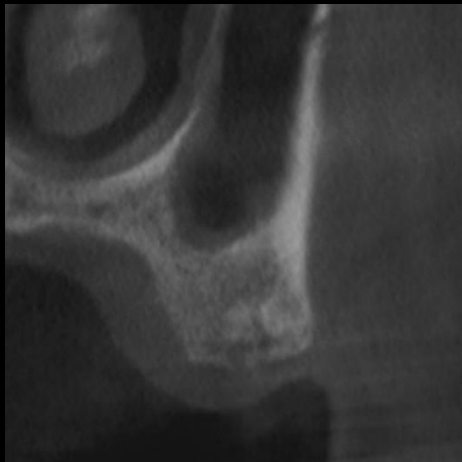


Initial Photo

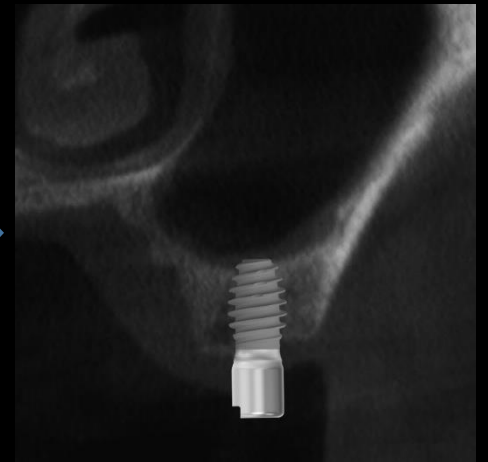
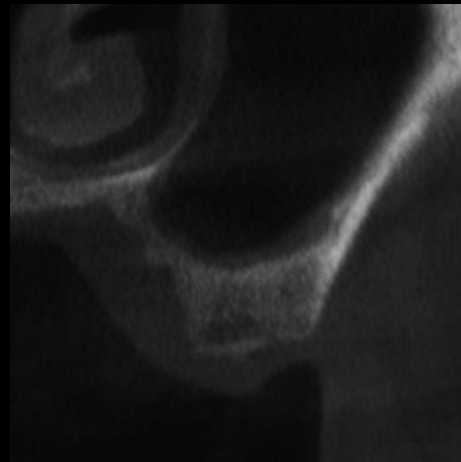


Treatment Plan (#14, 15, 16 or 17)

- **Ø 4.5 & 5.0 / 7mm** Size fixture installation (Tissue Level Fixture)
- Horizontal Incision line : **Palatal side incision**
- Do not Suture.



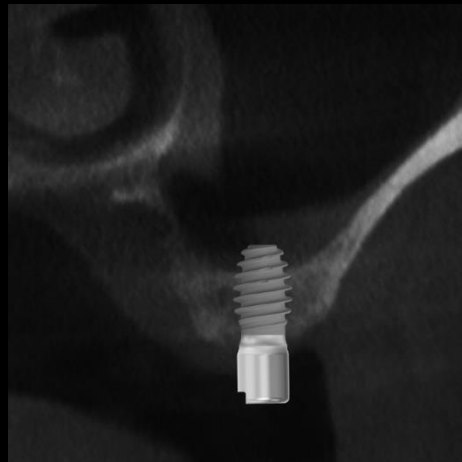
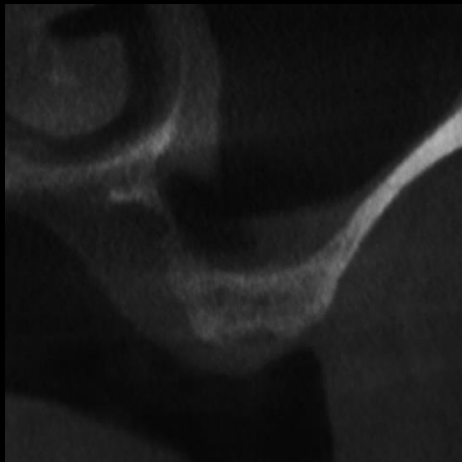
#14



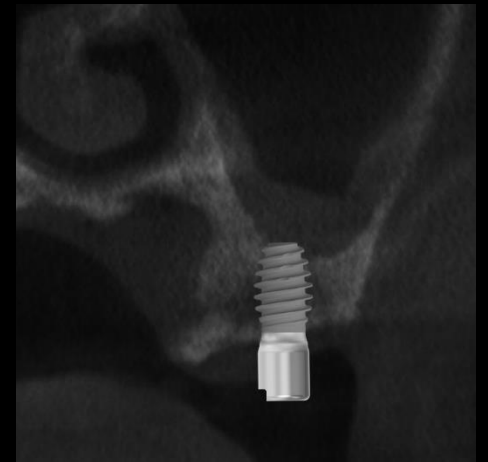
#15

Treatment Plan (#14, 15, 16 or 17)

- **Ø 4.5 & 5.0 / 7mm** Size fixture installation (Tissue Level Fixture)
- Horizontal Incision line : **Palatal side incision**
- Do not Suture.



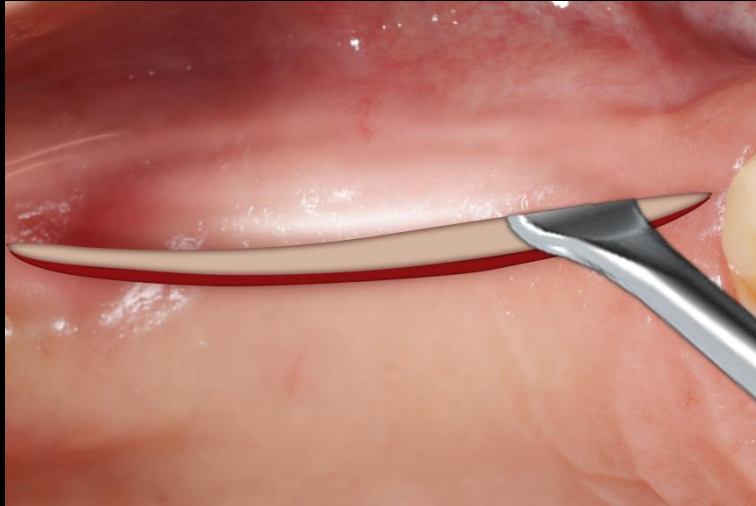
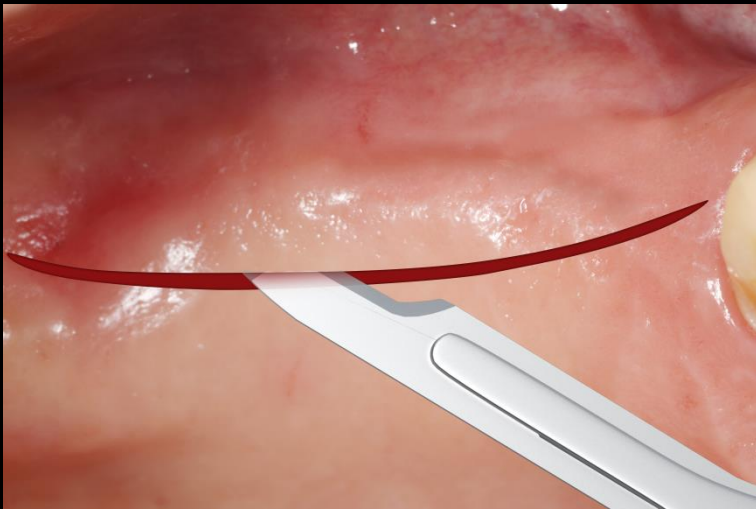
#16



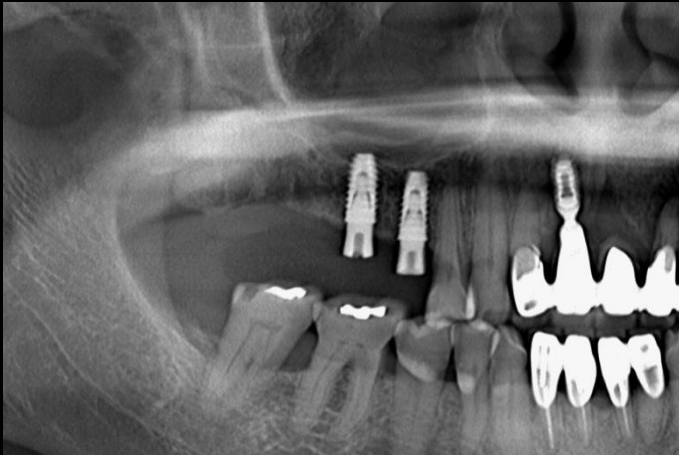
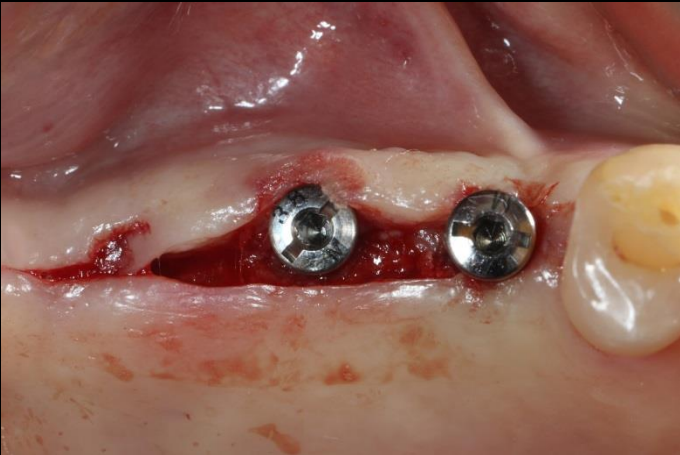
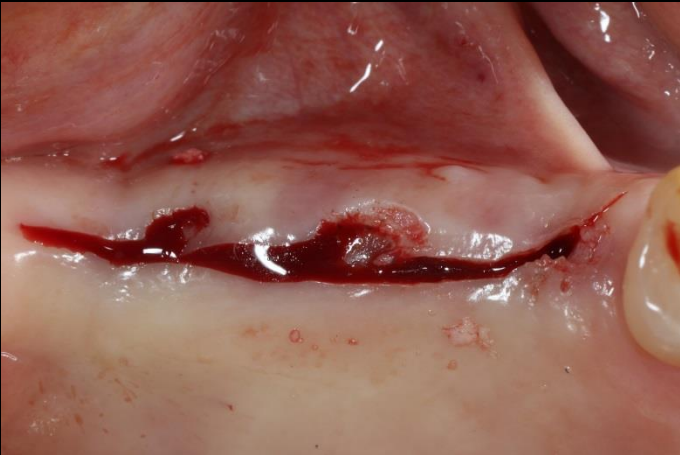
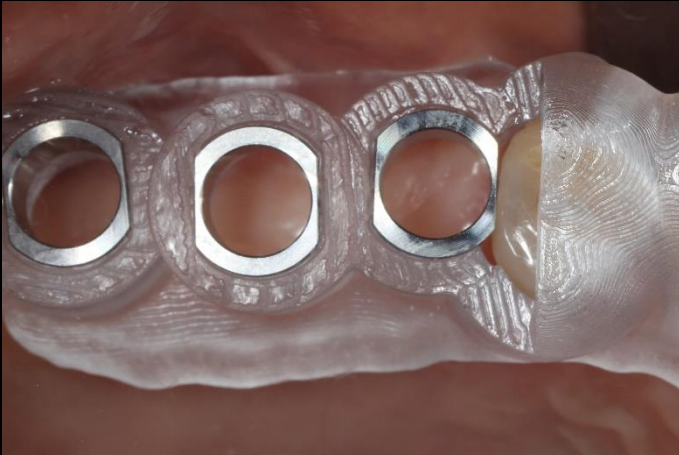
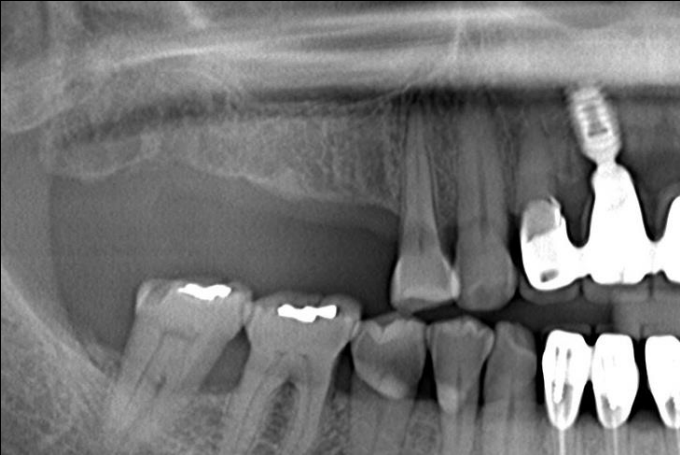
#17

Treatment Plan (#14, 15, 16 or 17)

- **Ø 4.5 & 5.0 / 7mm** Size fixture installation (Tissue Level Fixture)
- Horizontal Incision line : **Palatal side incision**
- Do not Suture.



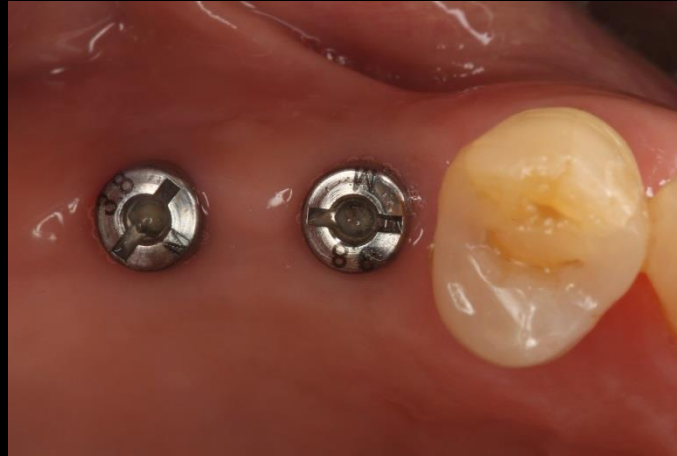
Similar case



Similar case



Healing : 2 weeks



Healing : 3 months



Provisional restoration

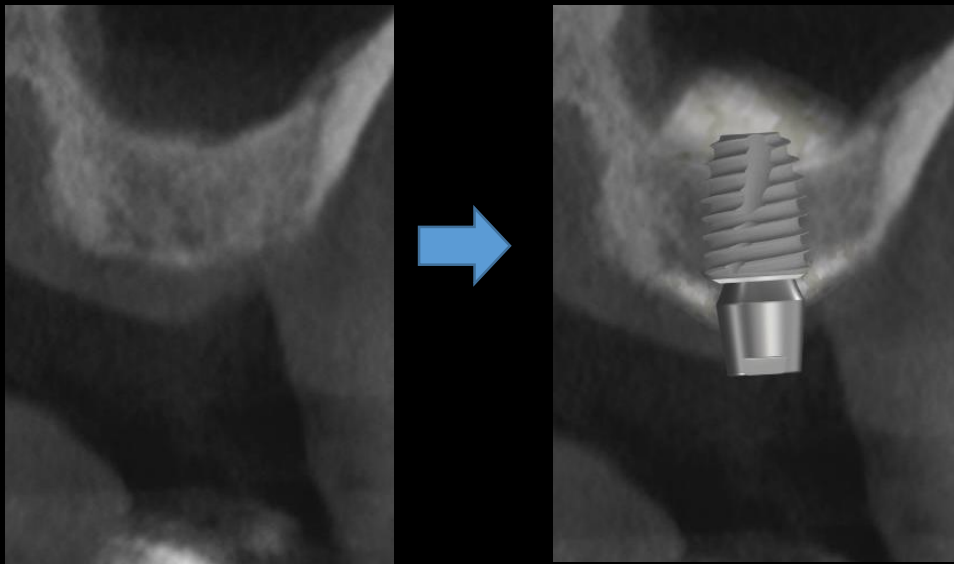
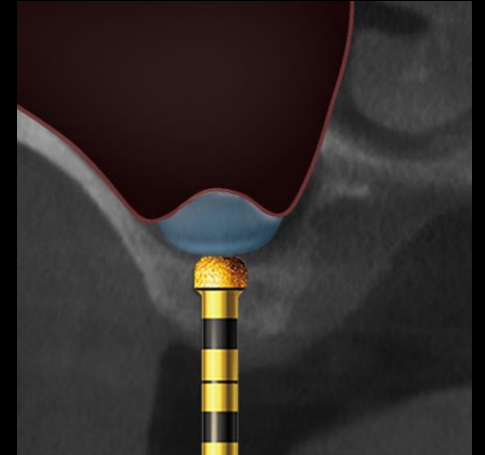


Final prosthesis

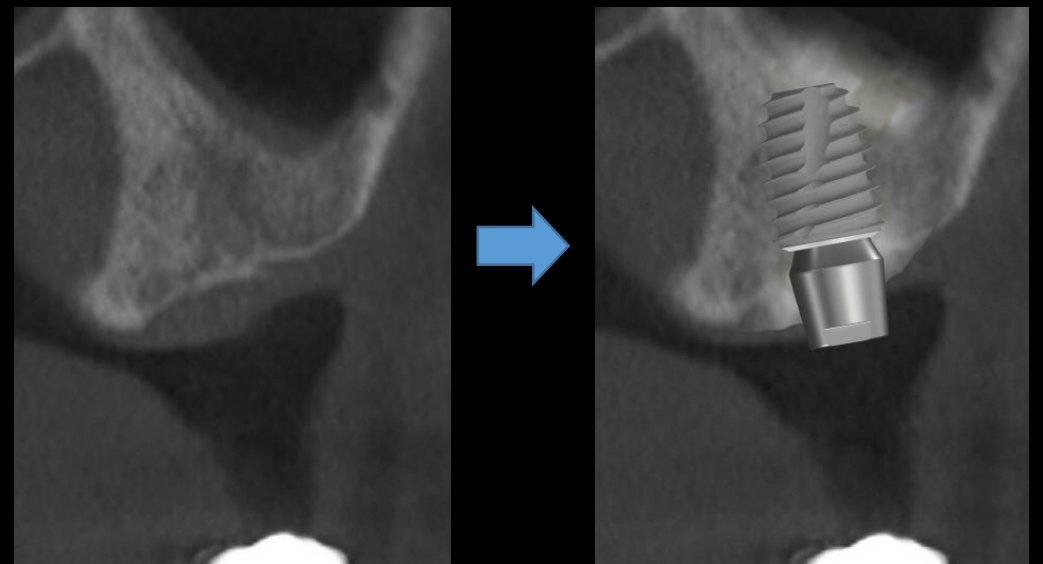


Treatment Plan (#26,27)

- **Ø 5.0 / 7mm** Size fixture installation (Bone Level Fixture)
- Sinus lifting with crestal approach
- Bone graft (OSTEON™ 3 Collagen)



#26



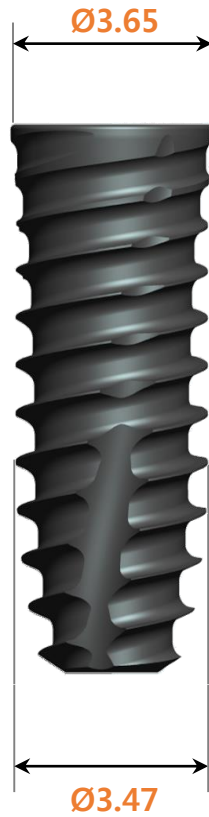
#27

Bone Level Fixture

FX 30 Taper



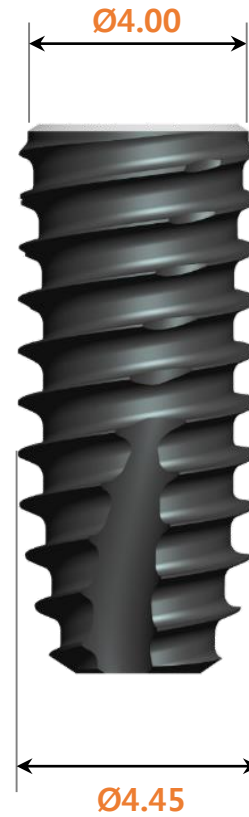
FX 35



FX 40



FX 45



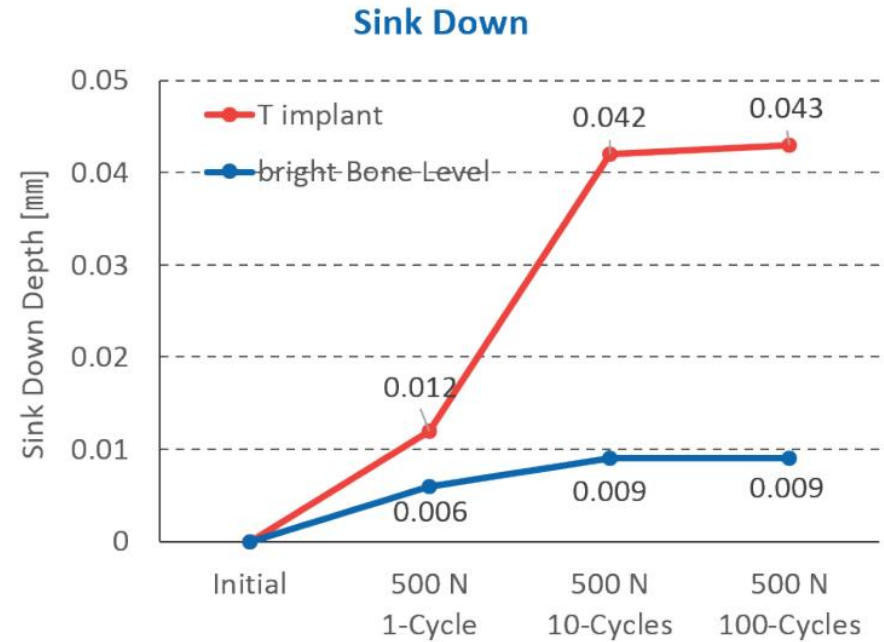
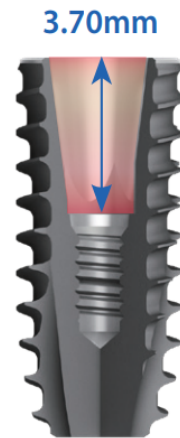
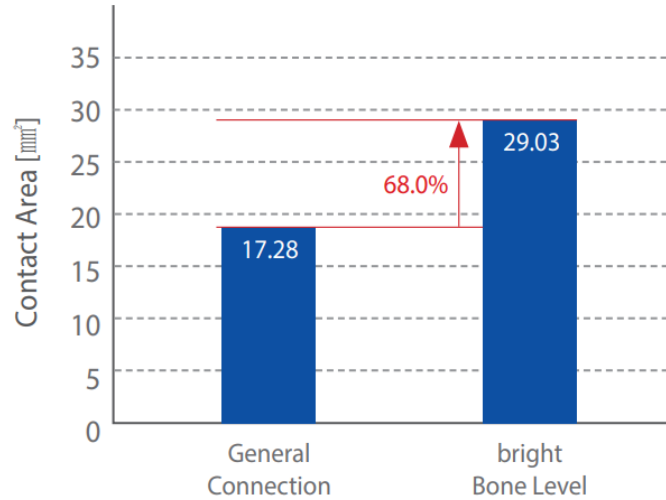
FX 50





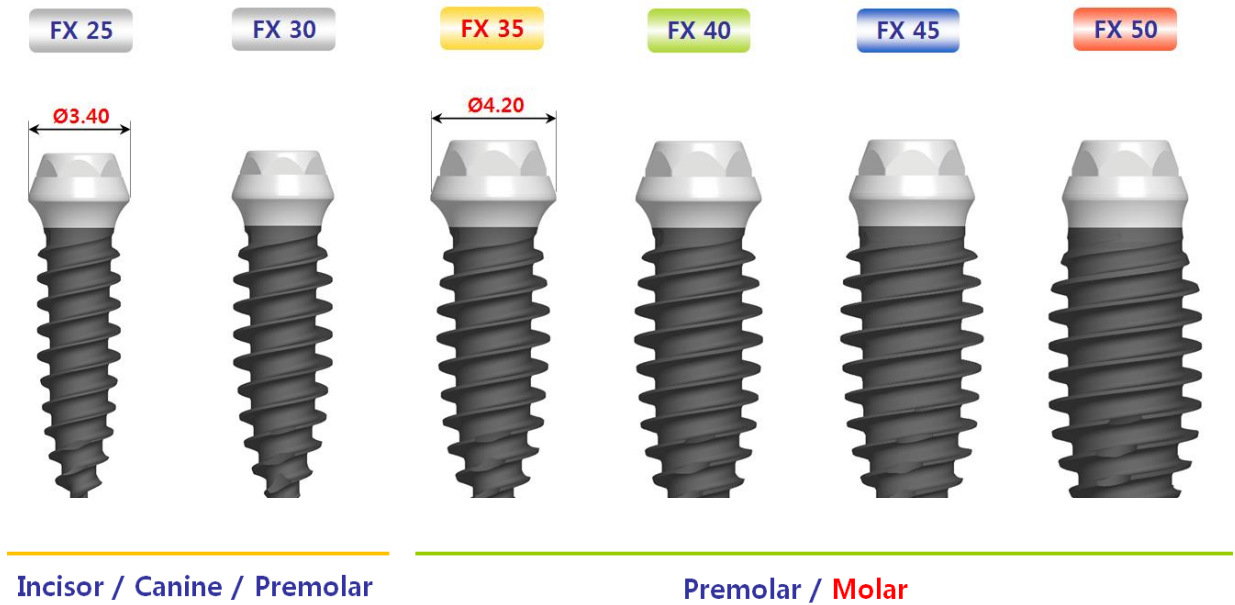
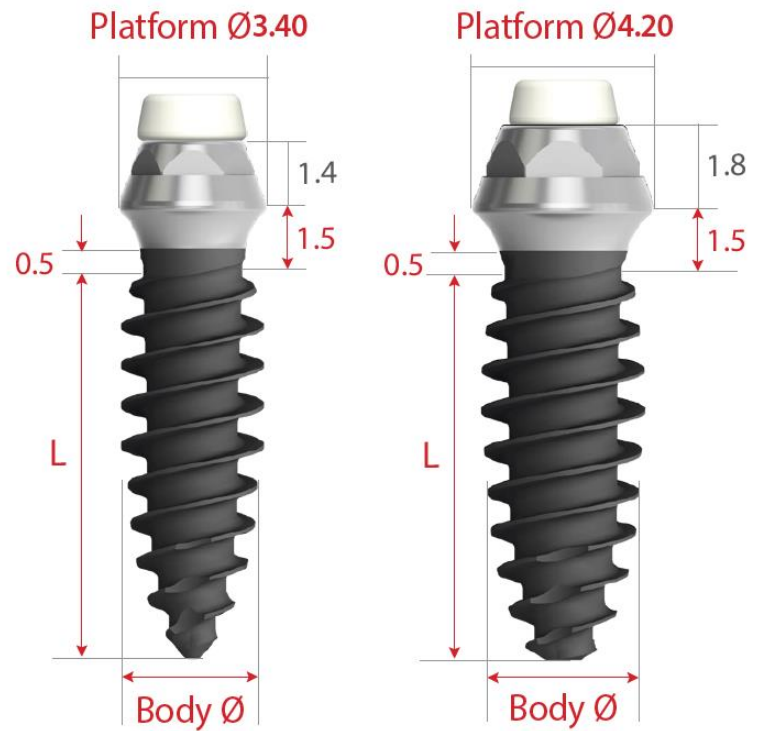
- **10°, 3.70mm Deep Connection**

No rotation even in non-hex after adaptation of abutment.



Tissue Level

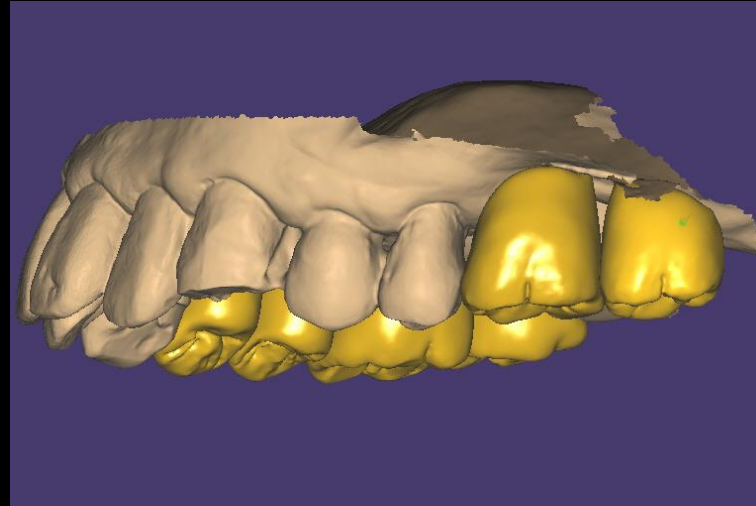
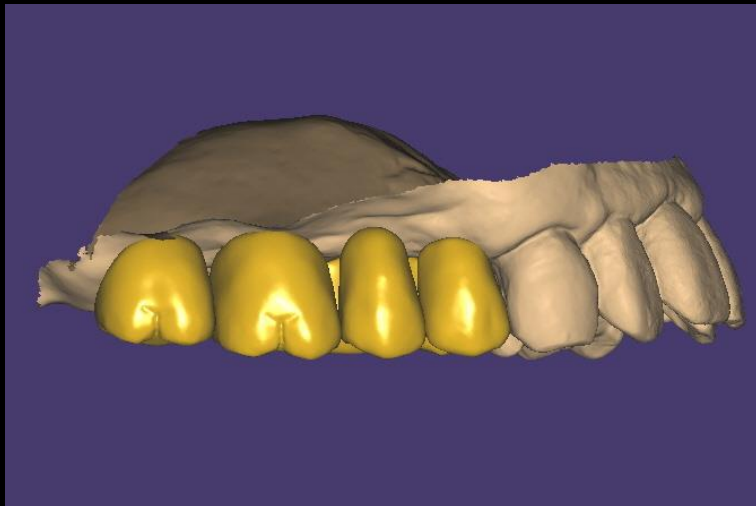
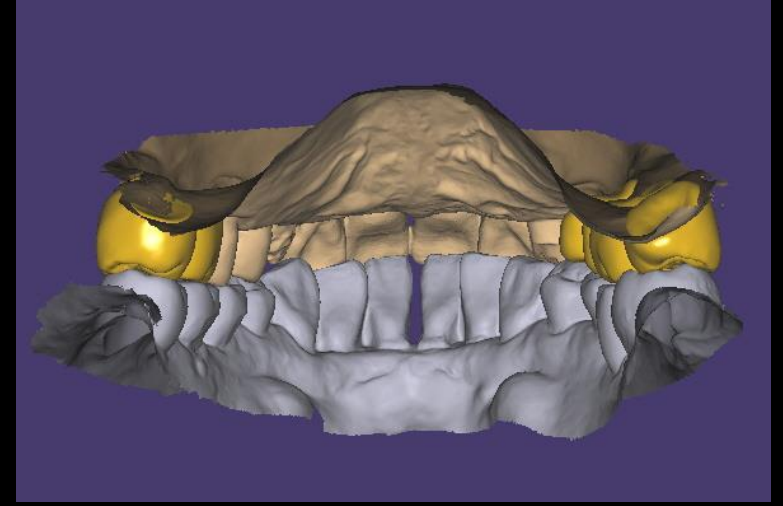
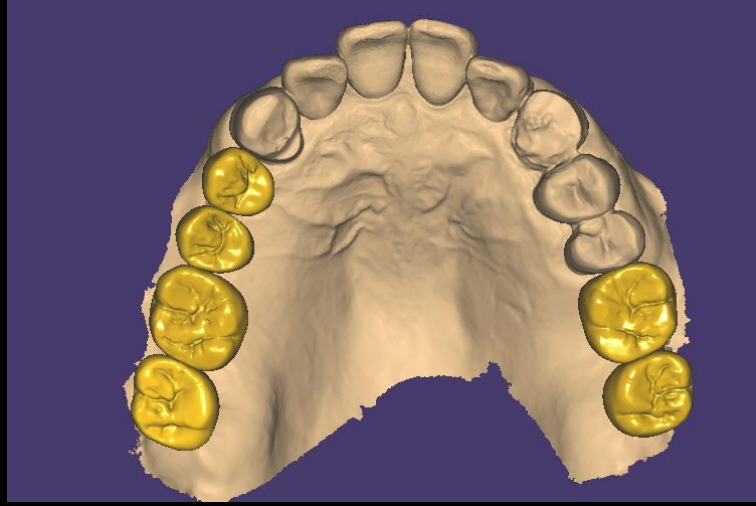
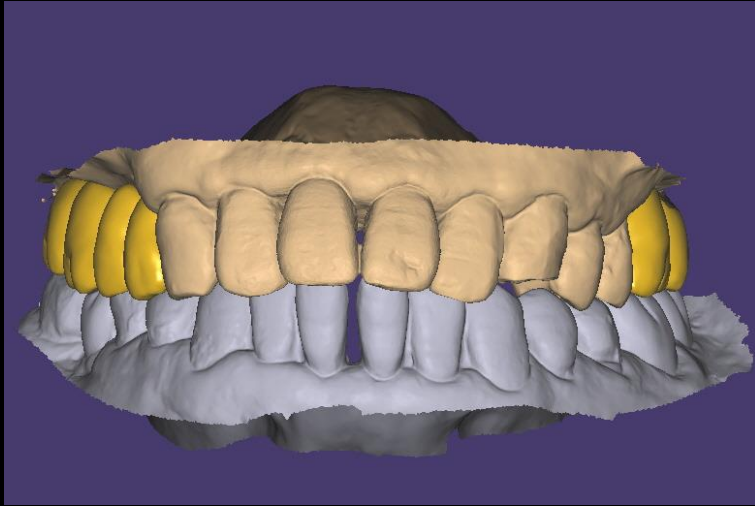
Fixture (Included Cover Screw) 



Intra Oral Scanning

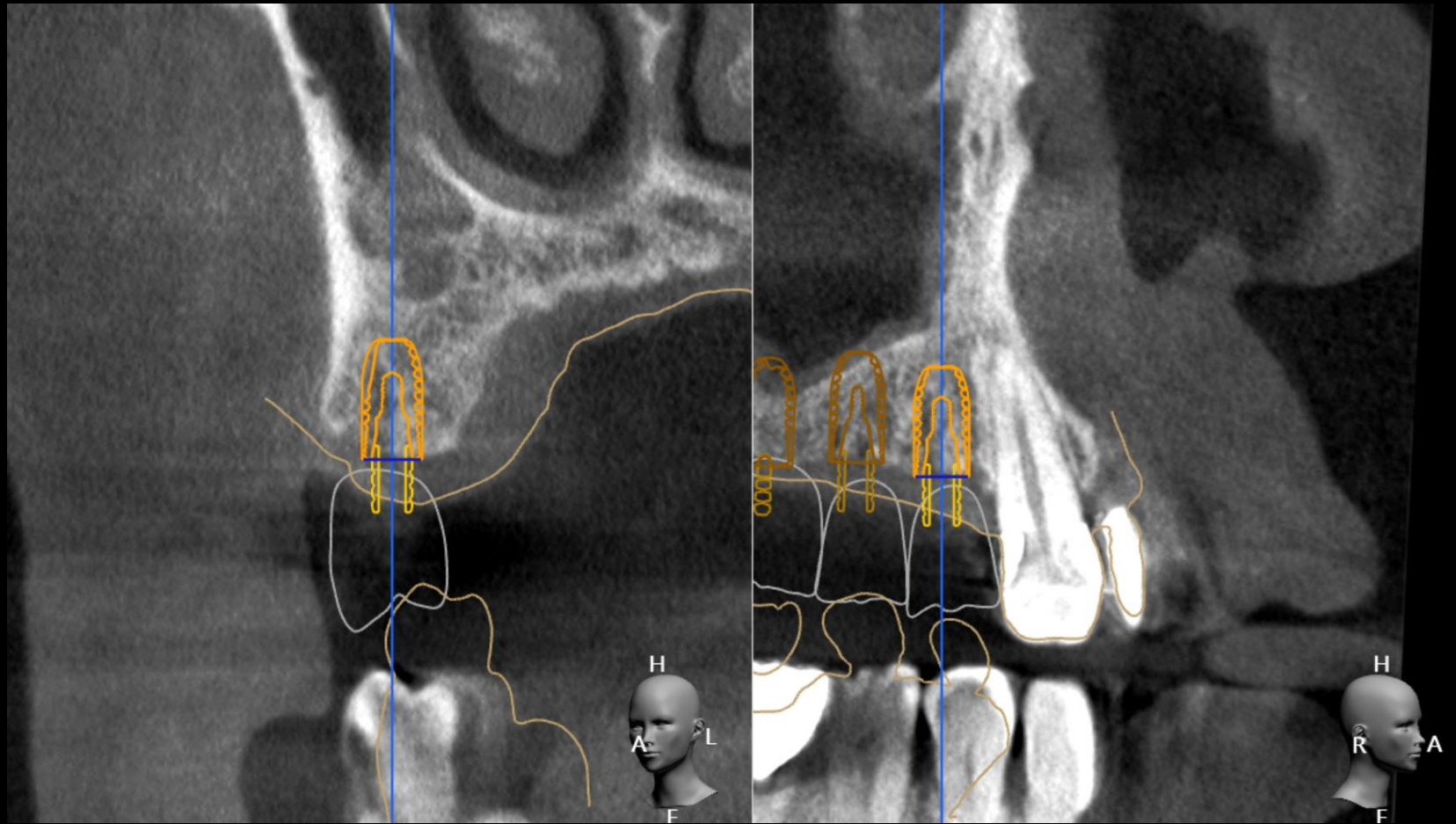


Virtual Set up



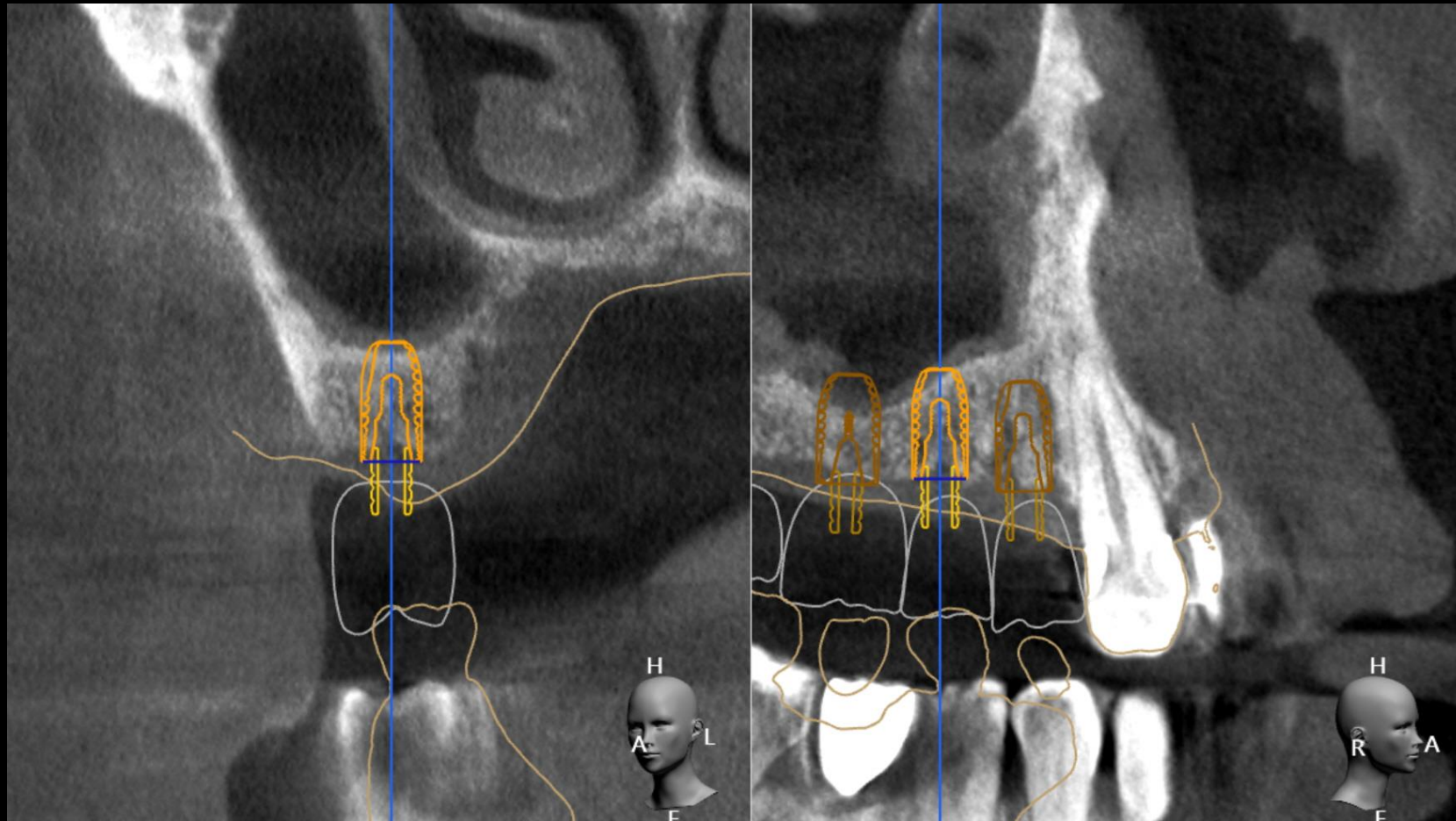
Implant Planning

#14 (4507)



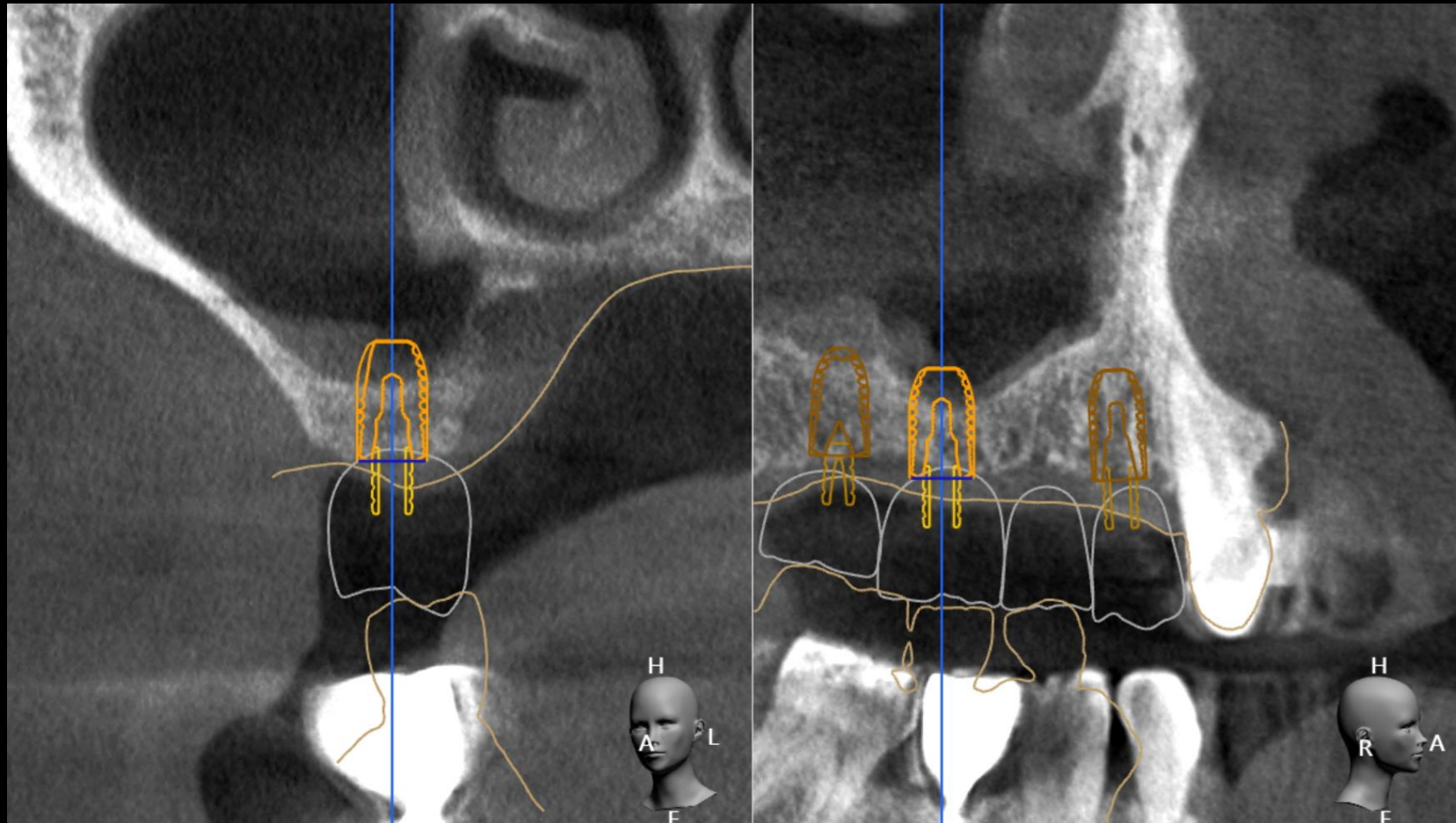
Implant Planning

#15 (5007)



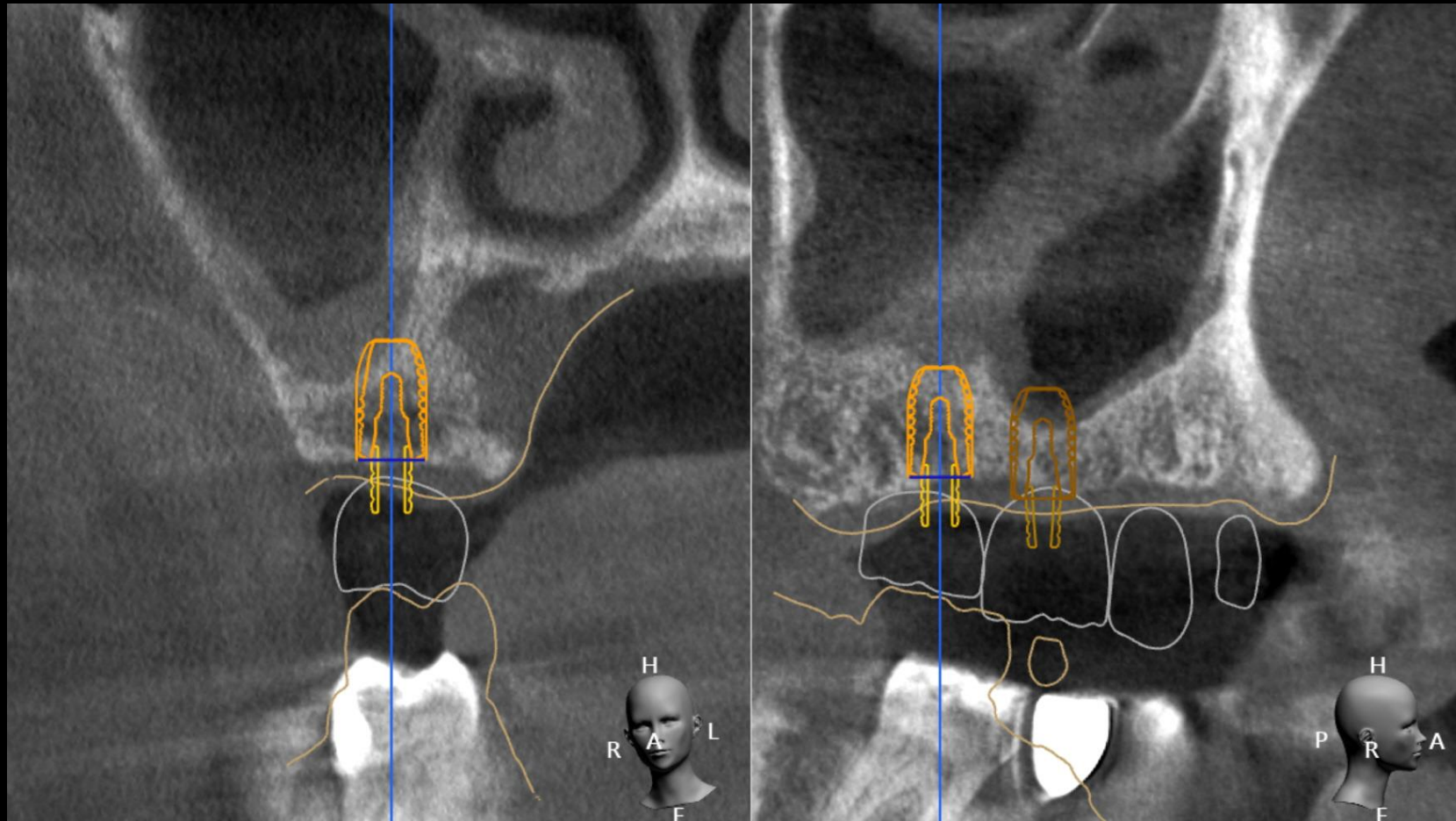
Implant Planning

#16 (5007)



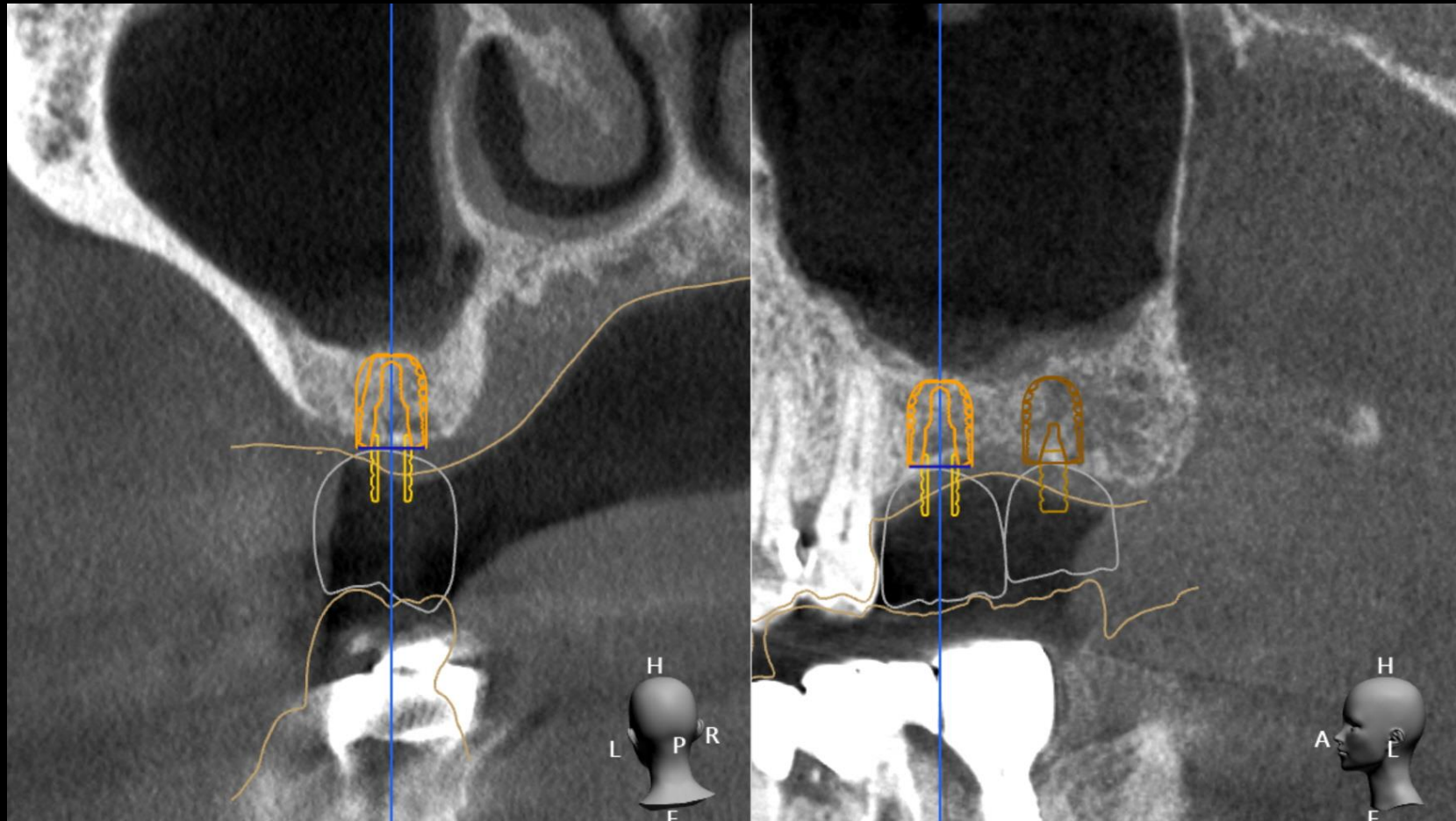
Implant Planning

#17 (5007)



Implant Planning

#26 (5007)

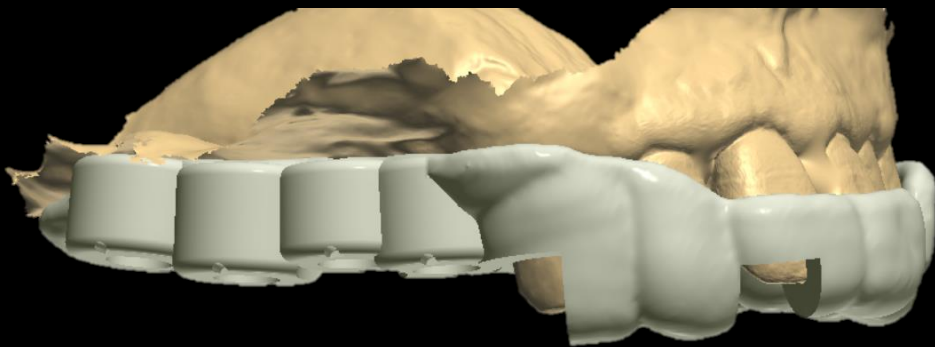
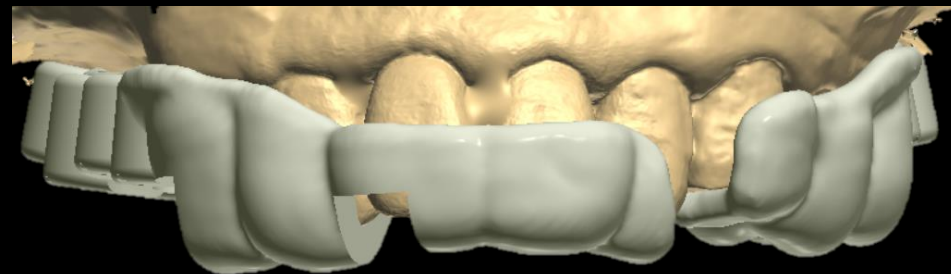
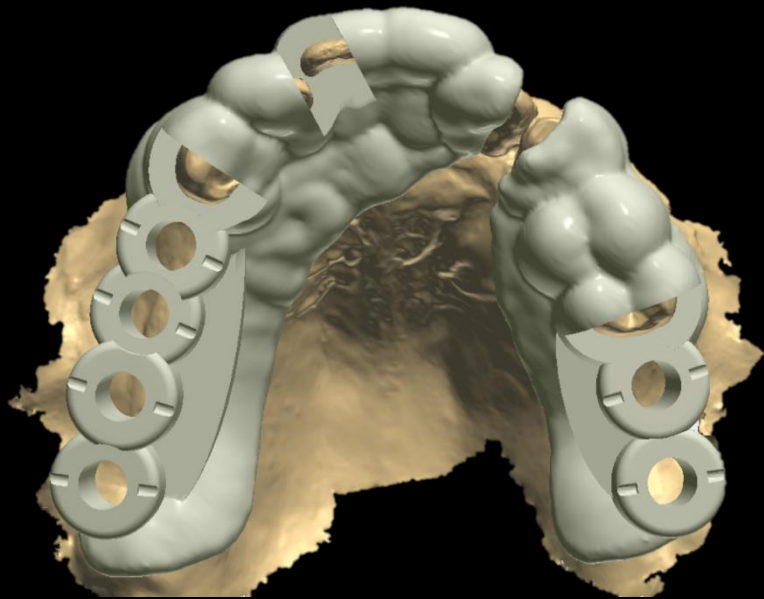


Implant Planning

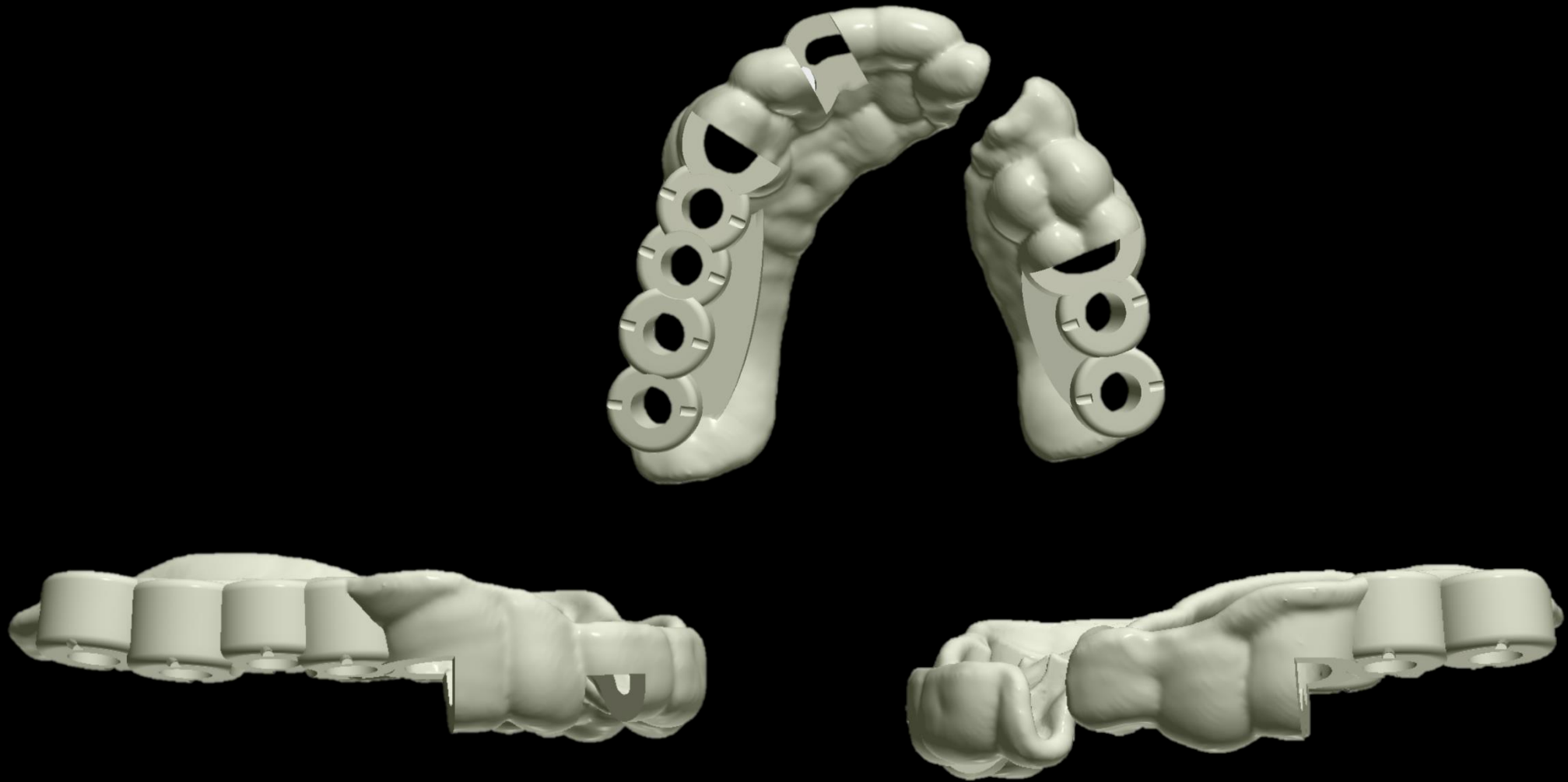
#27 (5007)



Stent design



Stent design



Stent (Milling)



Advantages of Milling Stent

- 1 It is more accurate than 3D Printing stent.
- 2 It doesn't require Metal-Sleeve.
- 3 It is possible to design that open the labial site for irrigation due to high strength.

