



Surgergy

Dr. SM Chung

2020.11.06 (FRI.)



[Case Preview]

Implant rehabilitation procedure to overcome implant complication

Patient Information

Age : 58

Sex : Male

Past Dental History

: #17 Extraction (2020.05.20)

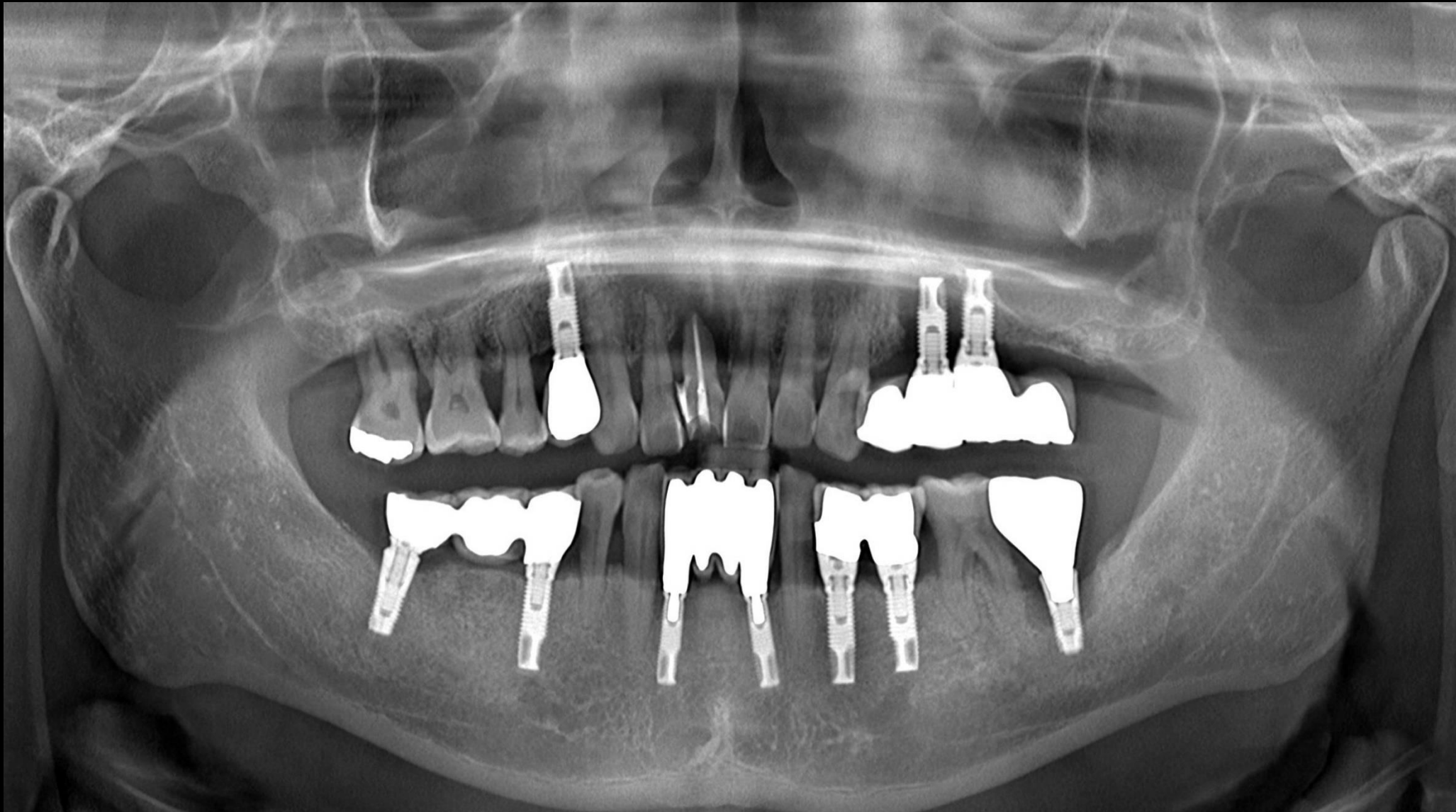
Past Medical History

: Hypertension (Do not Take aspirin)
Diabetes mellitus



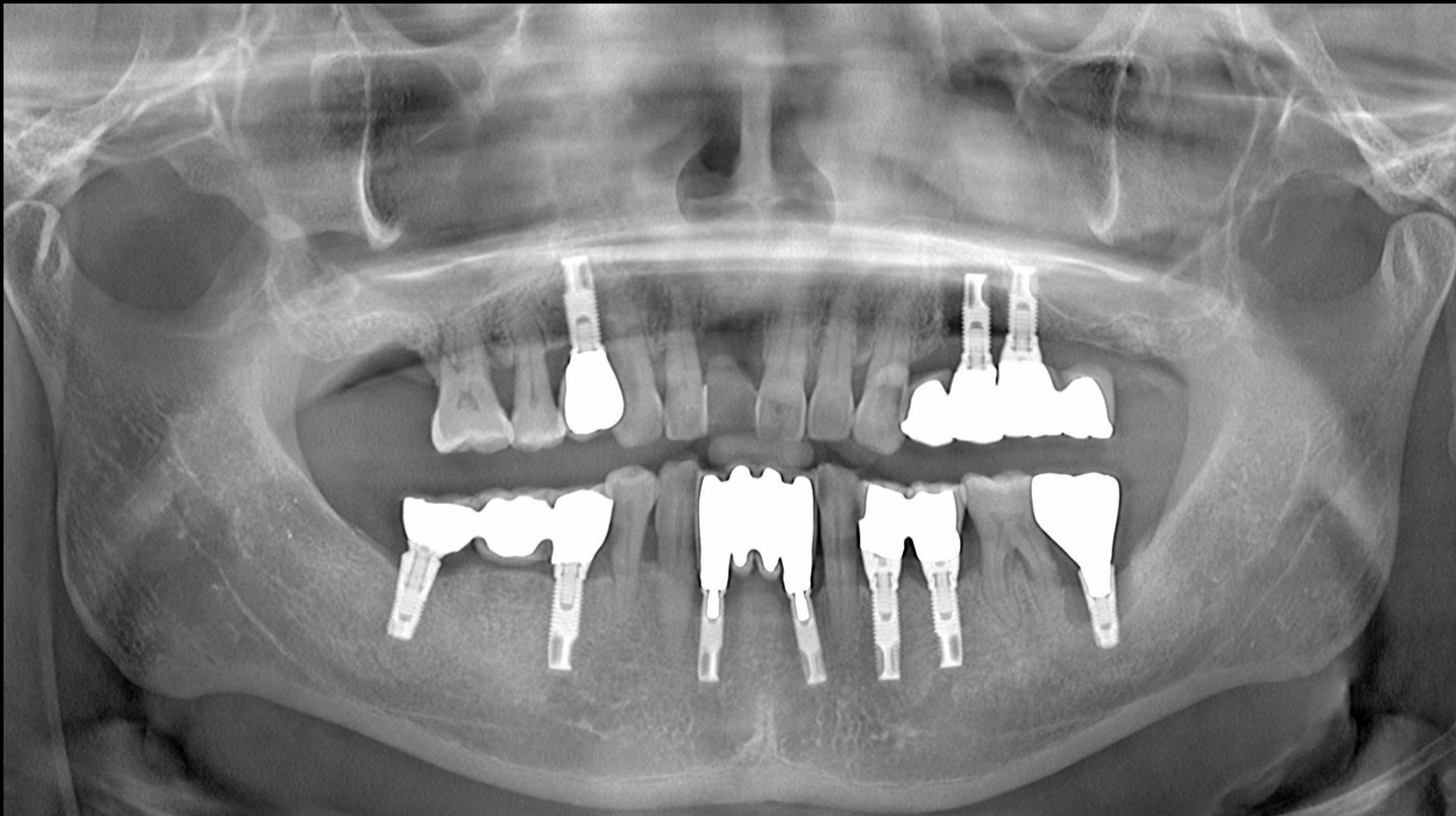
Pt. Yoon (58/Male)

Oral exam (2020-05-20)



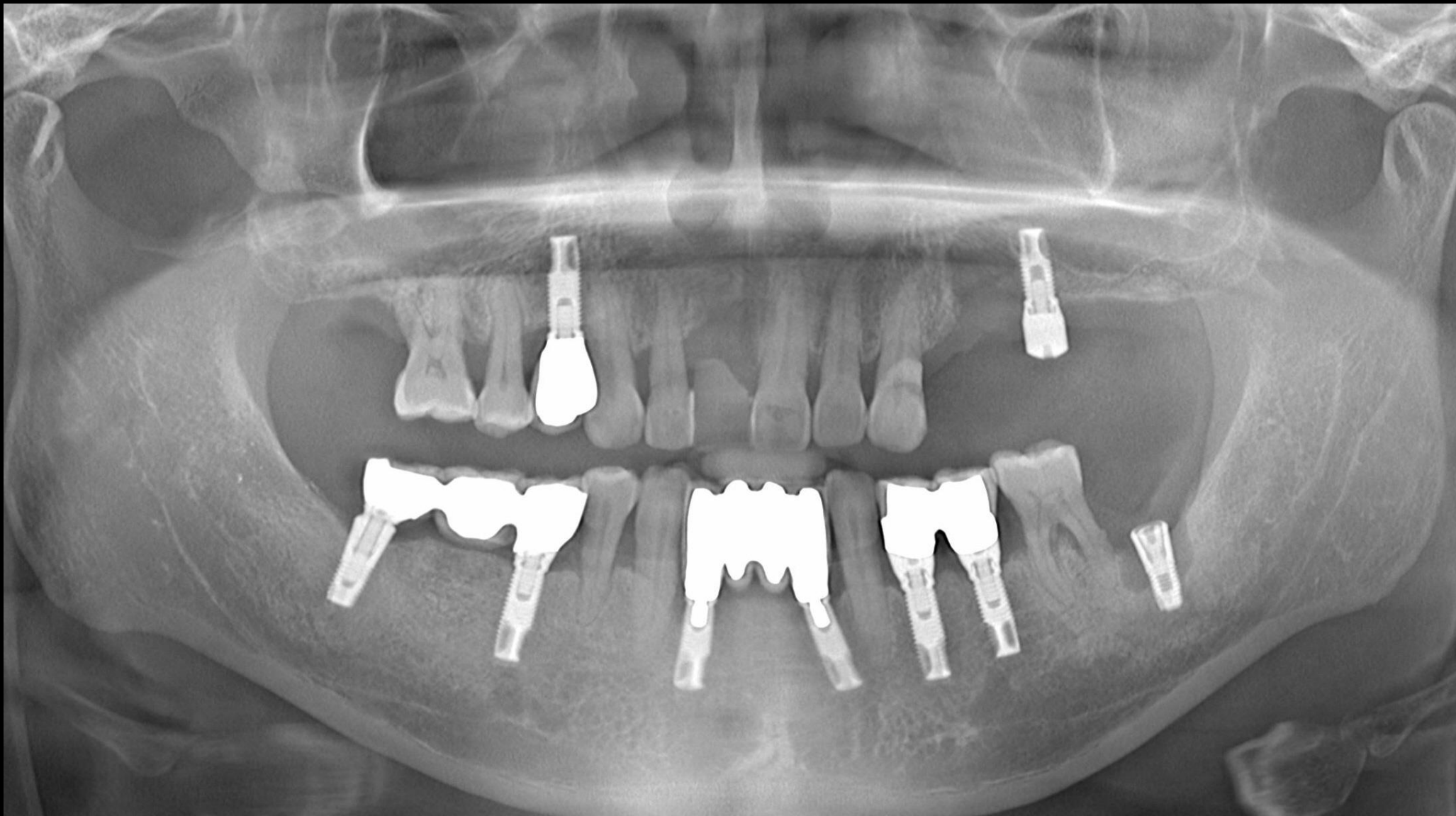
Pt. Yoon (58/Male)

#17 Extraction (2020-10-22)



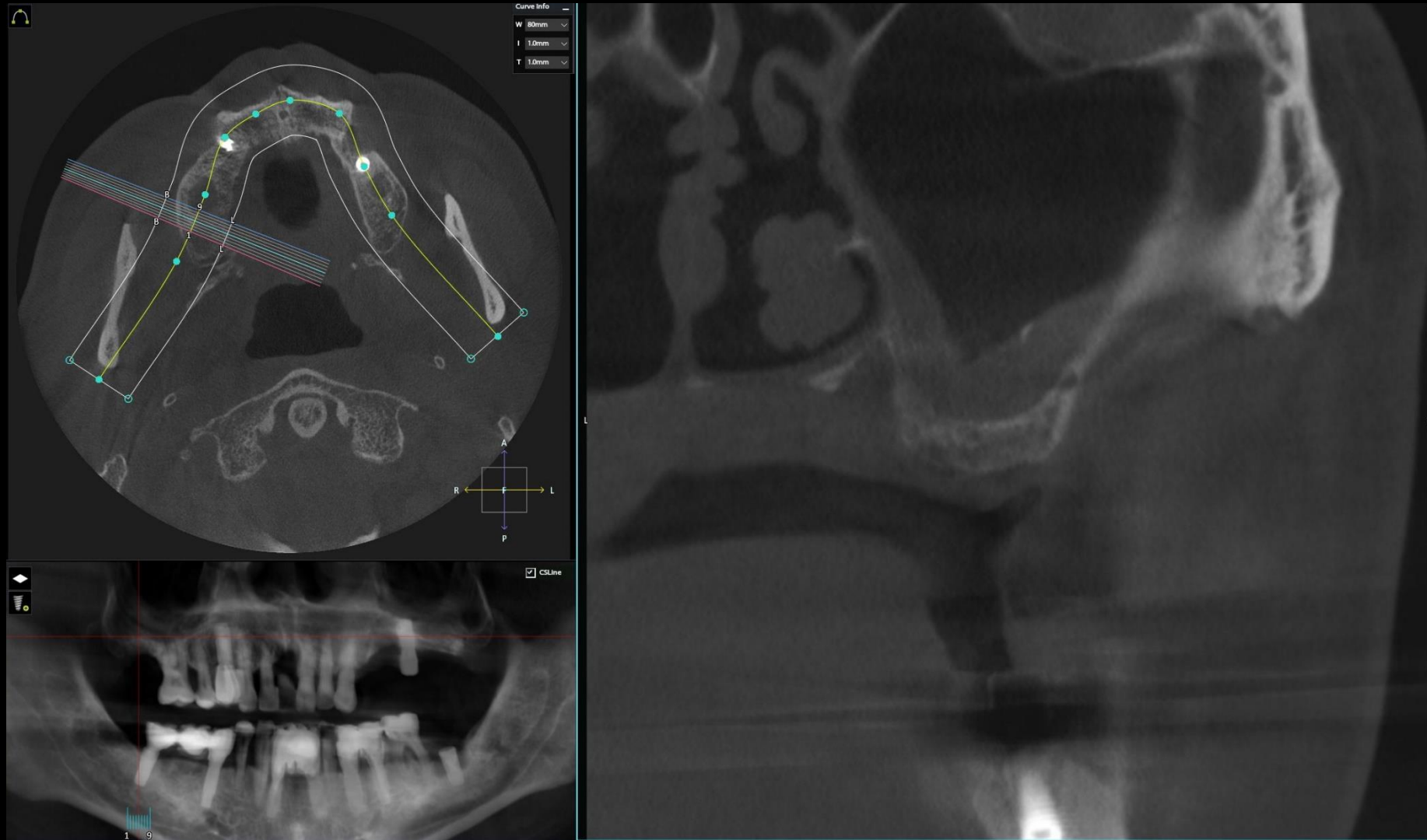
Pt. Yoon (58/Male)

Pre-op / #25i Fixture removal (2020-11-02)



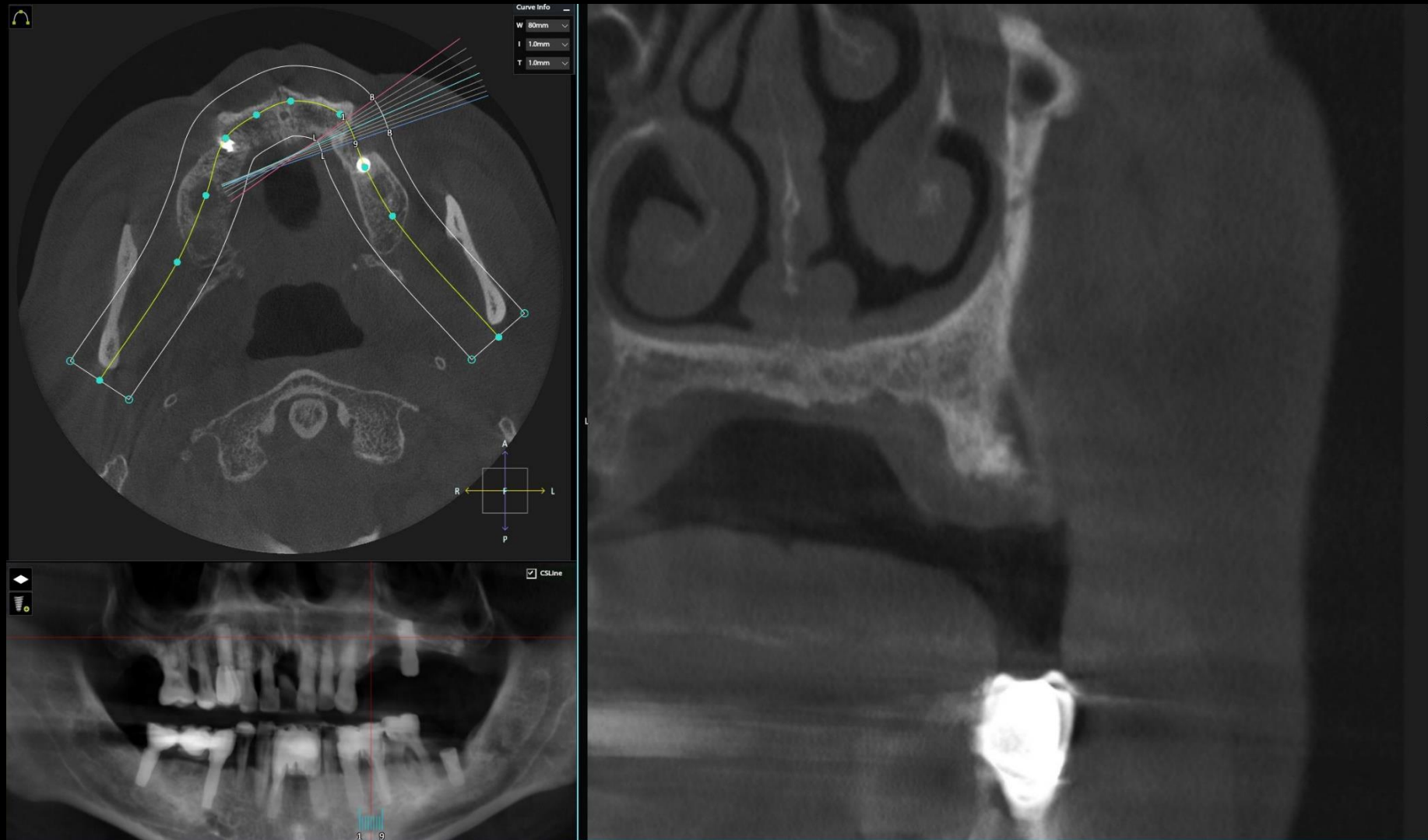
Pt. Yoon (58/Male)

#17 Pre-op (2020-11-02)



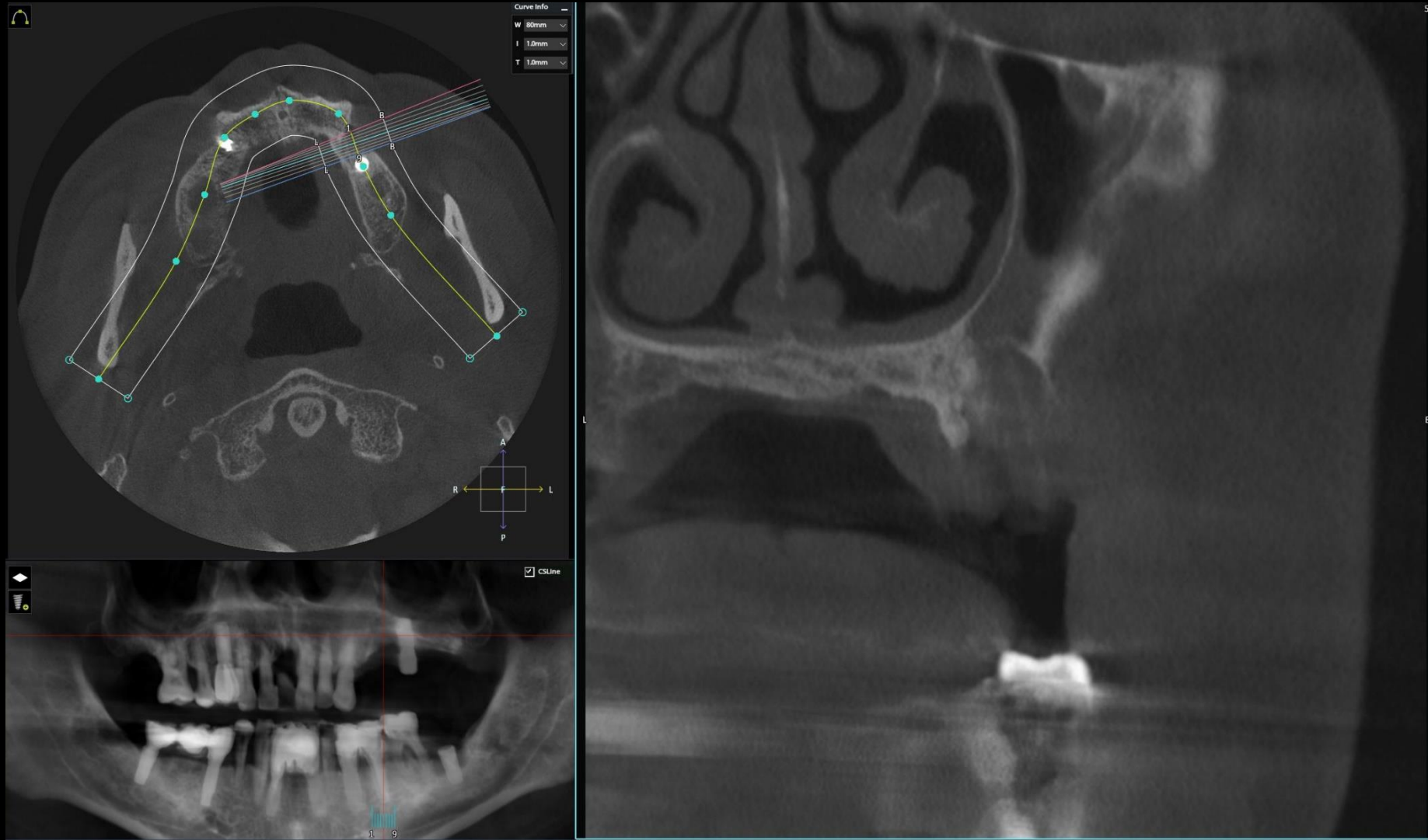
Pt. Yoon (58/Male)

#24 Pre-op (2020-11-02)



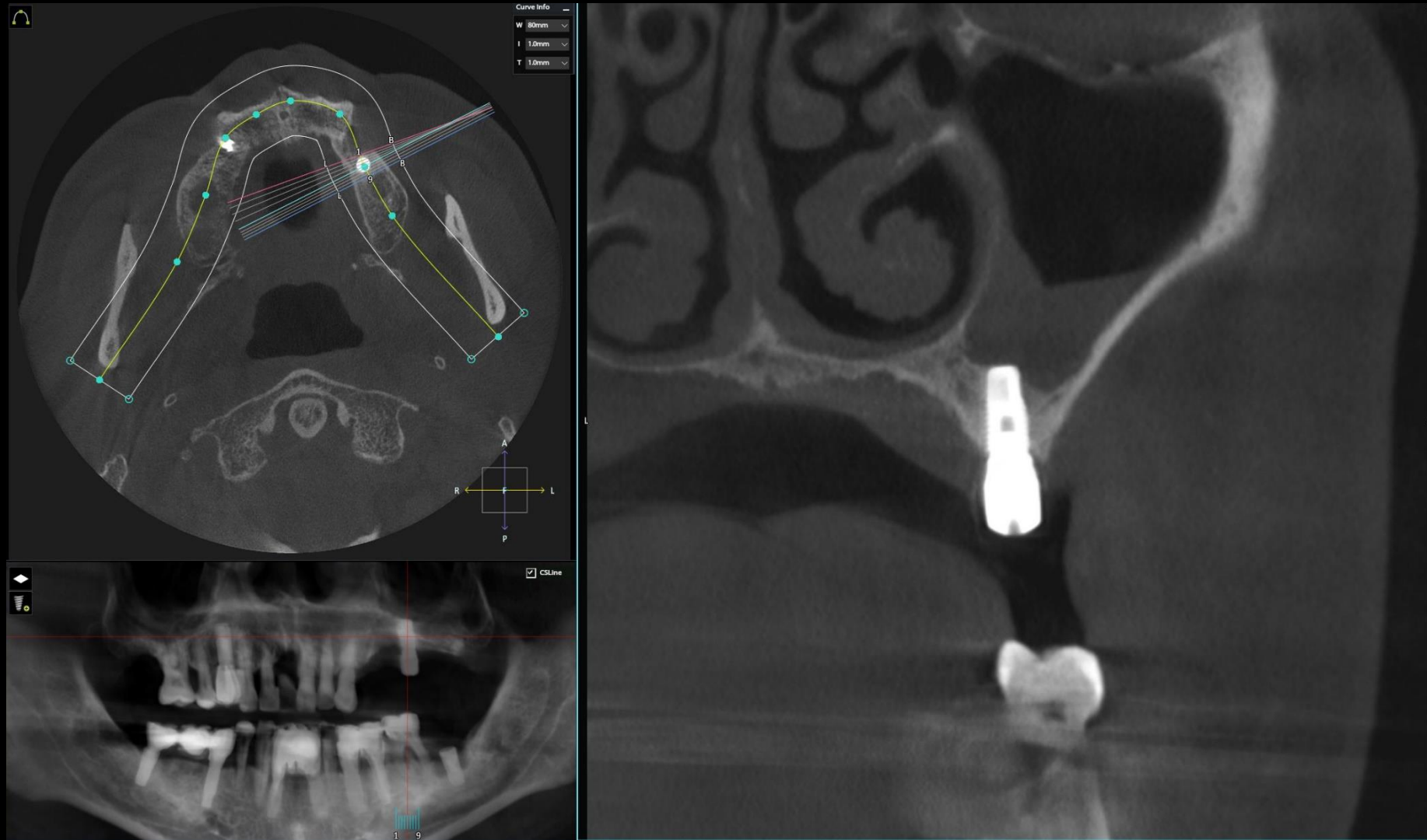
Pt. Yoon (58/Male)

#25 Pre-op (2020-11-02)



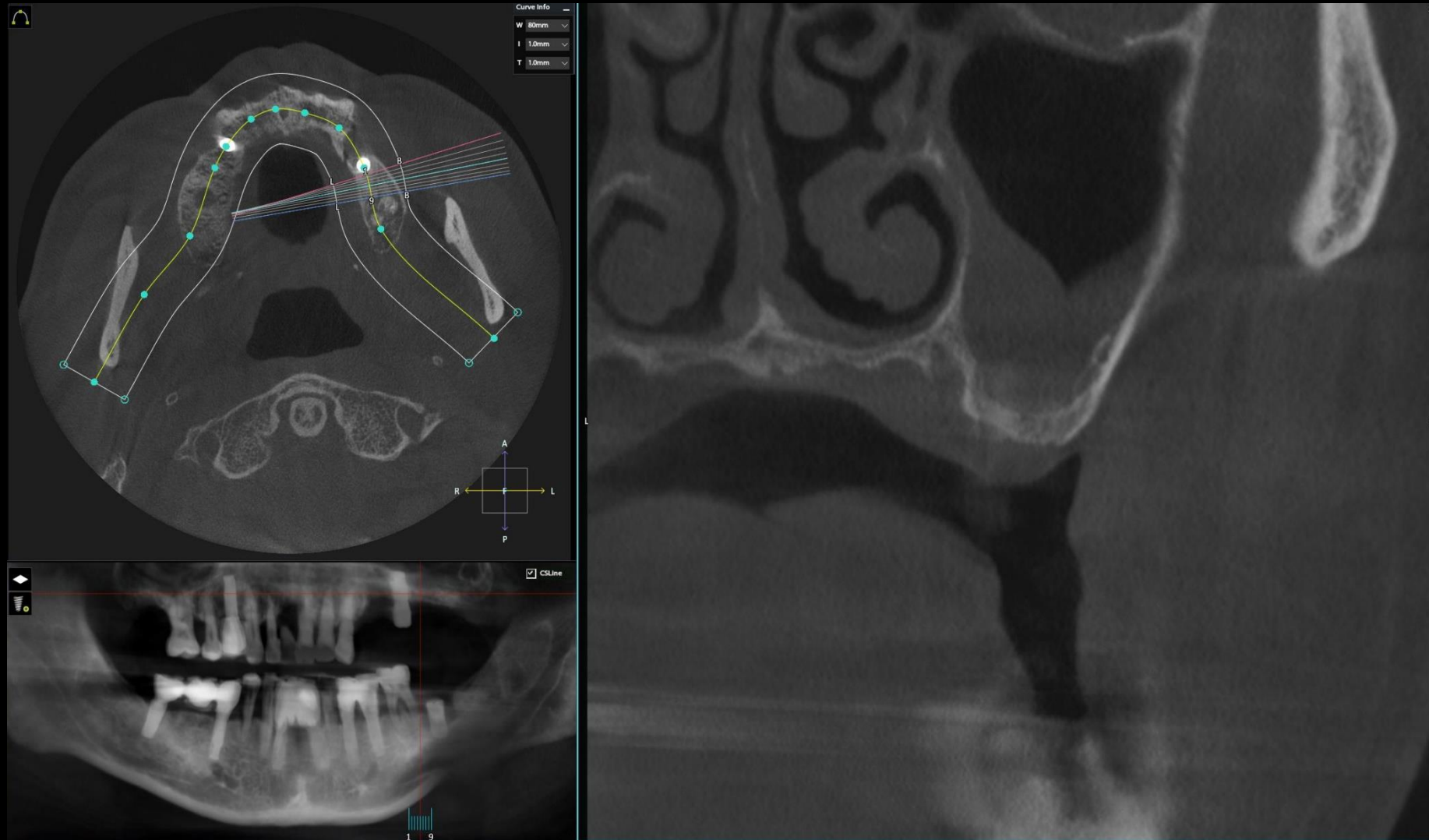
Pt. Yoon (58/Male)

#26 Pre-op (2020-11-02)



Pt. Yoon (58/Male)

#27 Pre-op (2020-11-02)



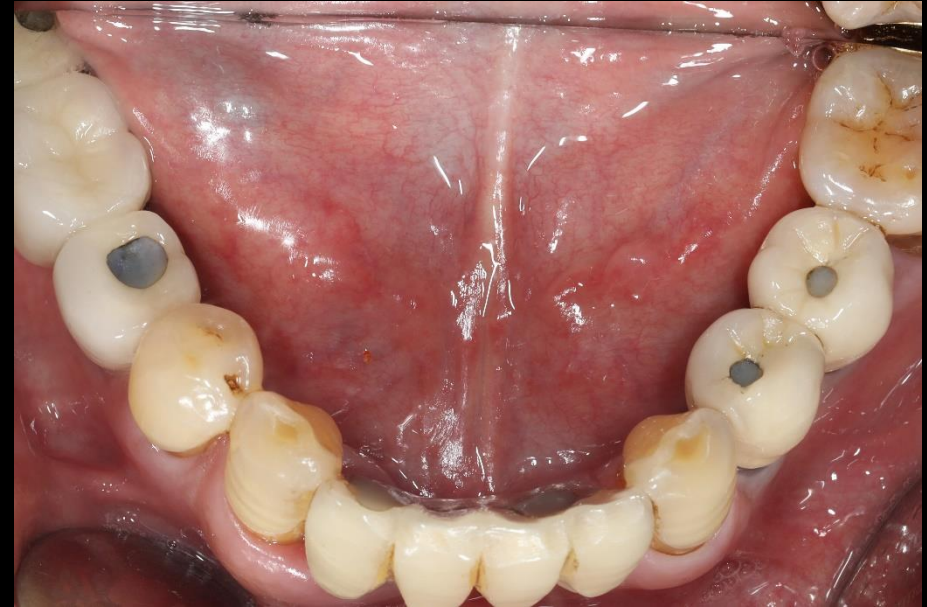
Pt. Yoon (58/Male)

#37 Pre-op (2020-11-02)



Initial Photo

(2020-10-22)



Initial Photo (#10, 20)

(2020-10-22)



Initial Photo (#37)

(2020-10-22)



Pre-op (#20, 37)

(2020-11-02)



What kind of treatment plan do we choose?

#17

- Crestal approach or Lateral approach ?

#24

- Ø 2.5 Narrow implant or GBR ?

#26

- Remove fixture or Use continually ?

#27

- Crestal approach or Lateral approach (Overcoming Artery rupture) ?

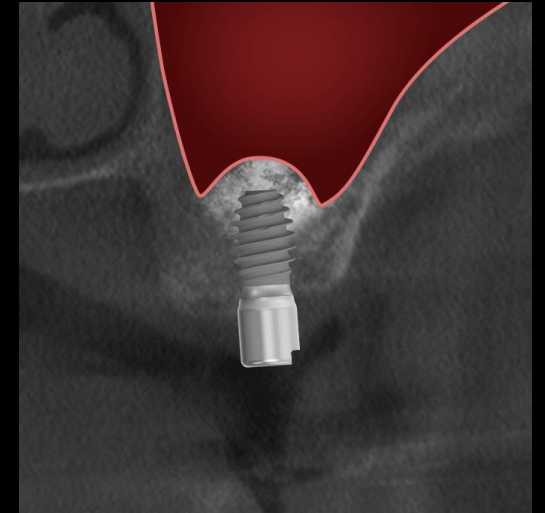
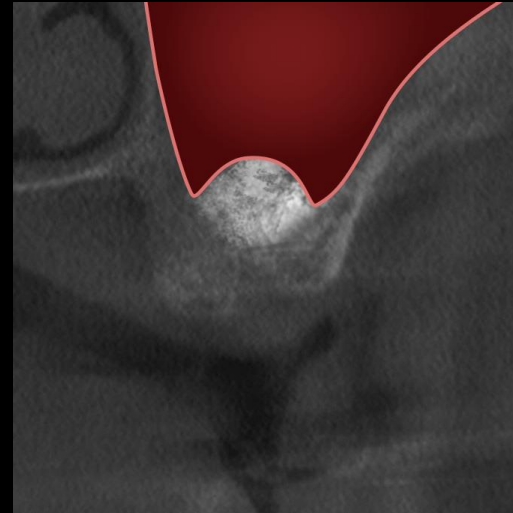
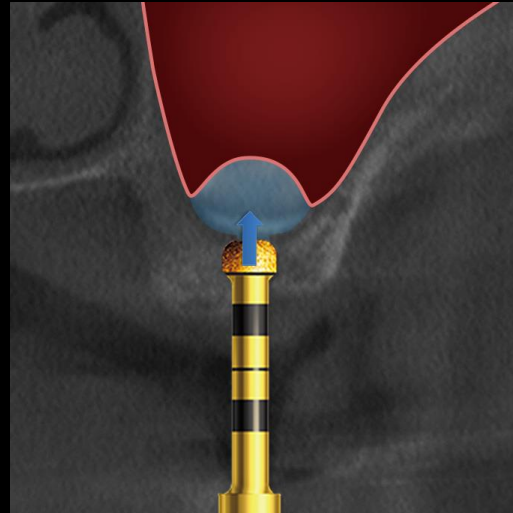
#37

- Remove fixture without Bone graft or GBR ?



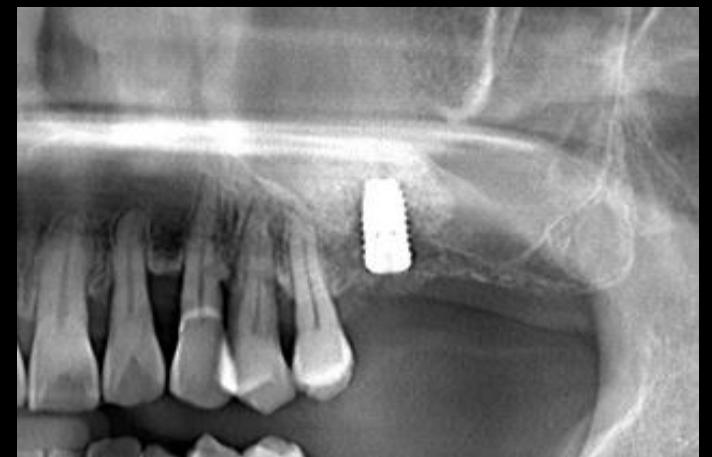
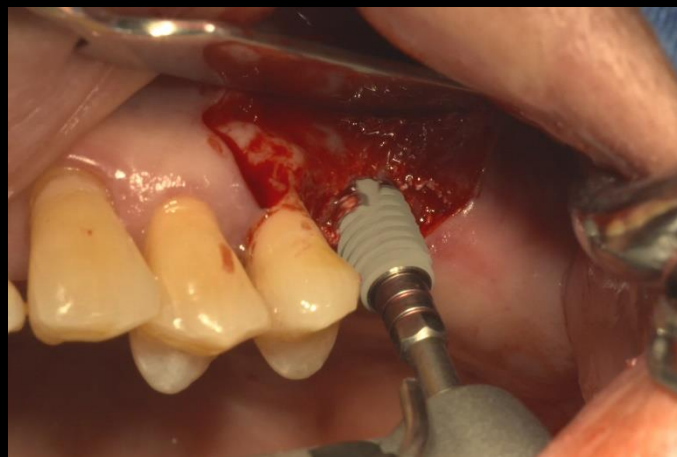
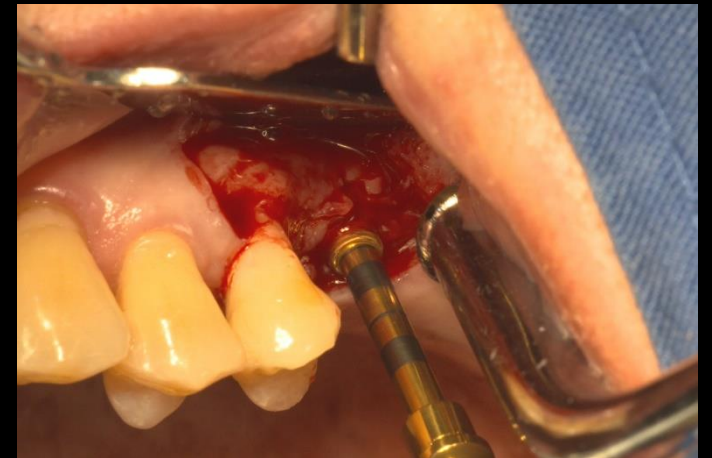
Treatment Plan (#17)

- Simple Sinus Lifting using DASK & OSTEON™ 3 Collagen
- **Ø 5.0** Size fixture installation



Similar case 1

Simple Sinus Lifting & Implant placement



Similar case 1

Simple Sinus Lifting & Implant placement



Healing : 1 month



Healing : 6 months



2nd Surgery



Provisional restoration

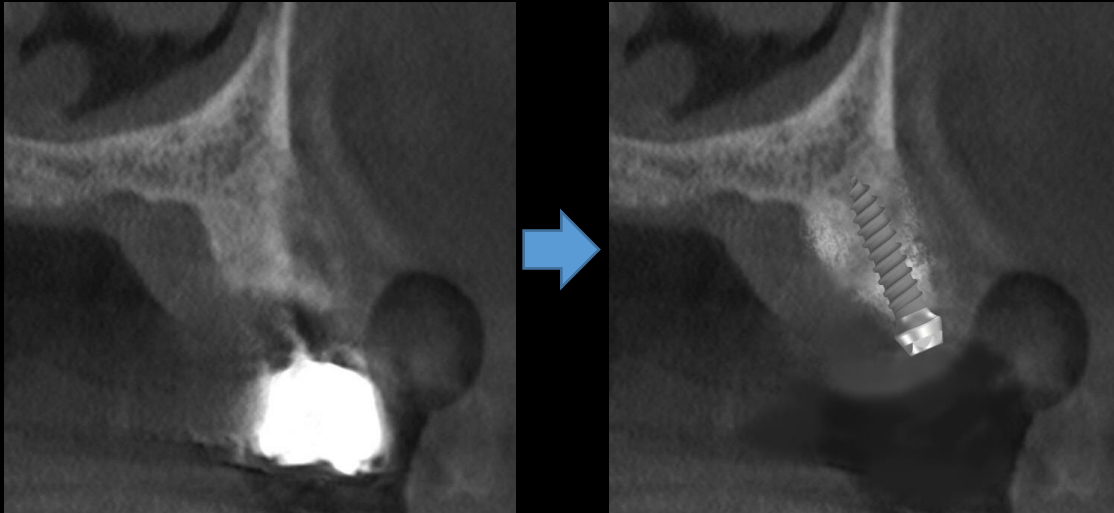
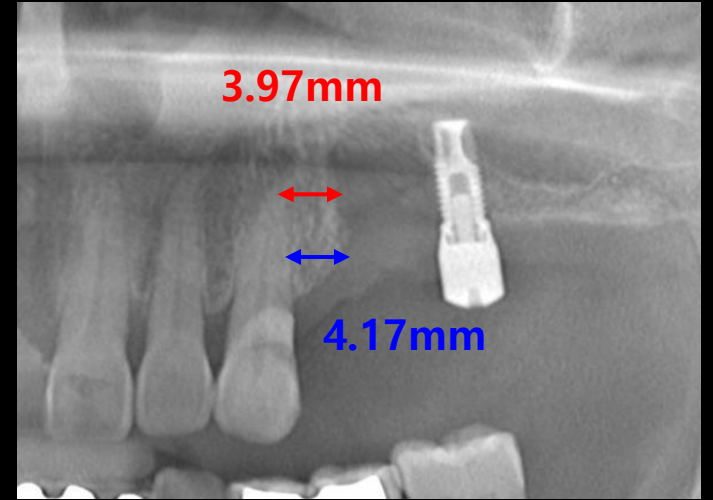


Final prosthesis

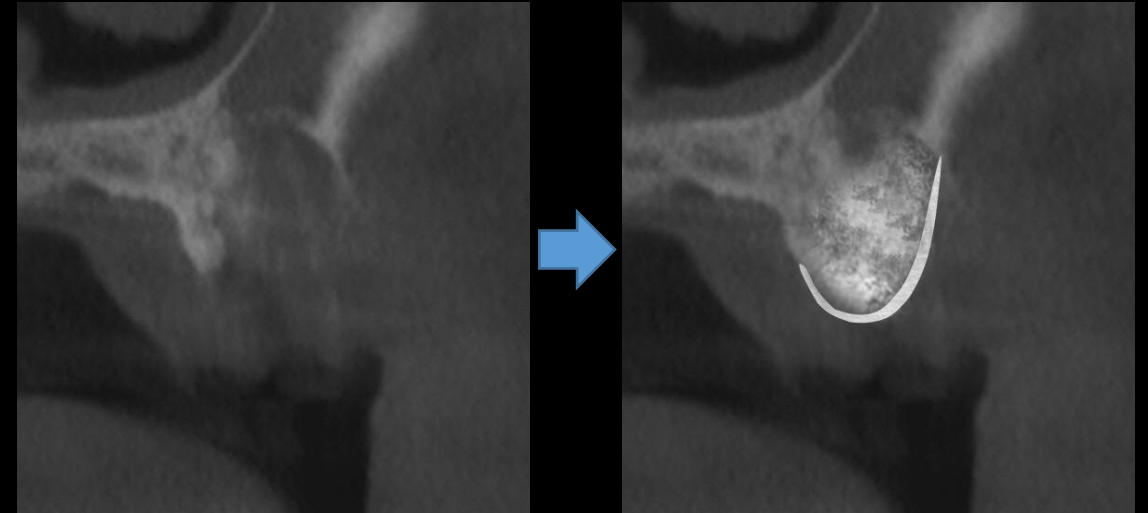


Treatment Plan (#20, #37)

- #24 **Ø 2.5 Size** fixture installation
: To overcome the distance from #23
- #25 Bone grafting



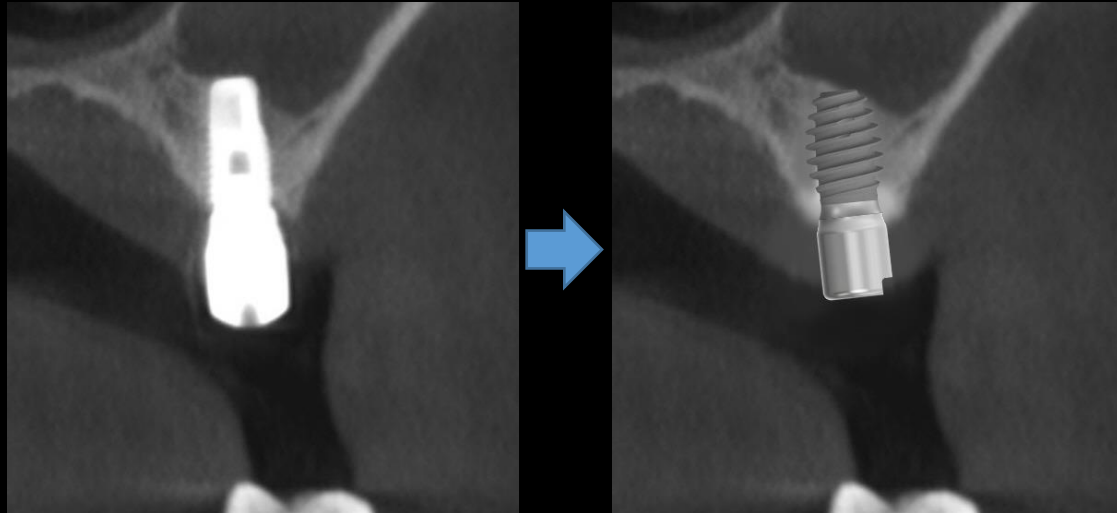
#24



#25

Treatment Plan (#20, #37)

- **#26i Fixture removal** & Implant placement
: Cortical 3mm (Trephine Drill) / Apex (Surgical bur)
- **#27 Sinus elevation** & Implant placement
: Overcoming Artery rupture using Hemostat
- #37i Fixture removal (without bone graft)



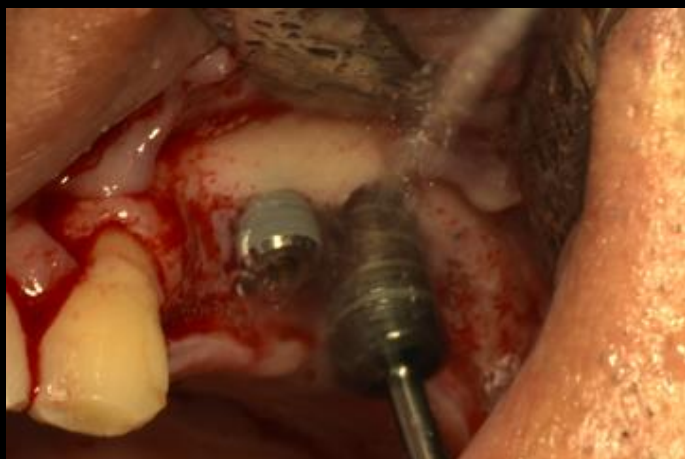
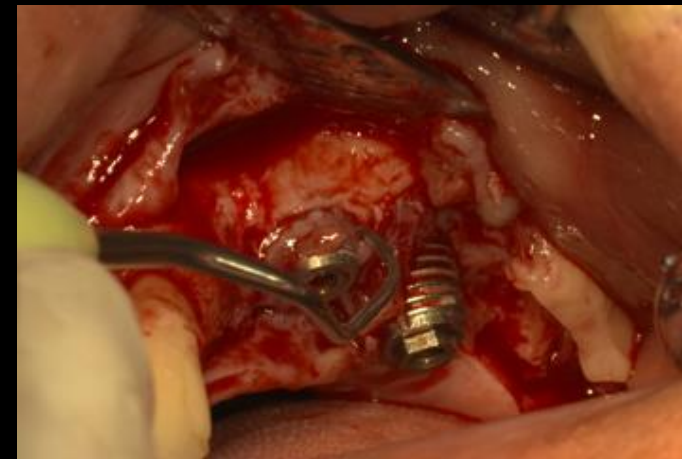
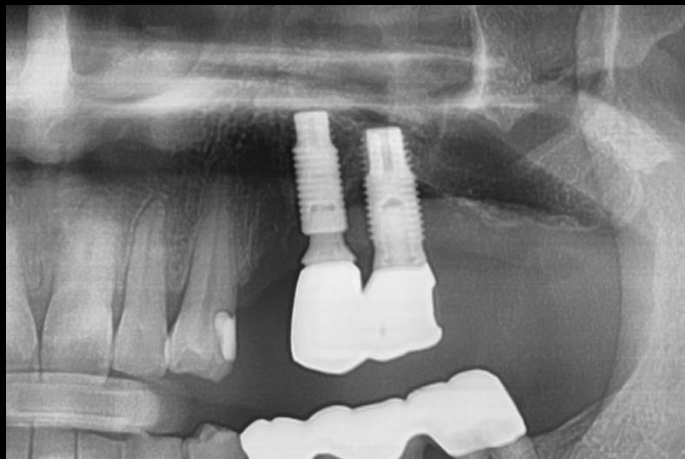
#26



#27

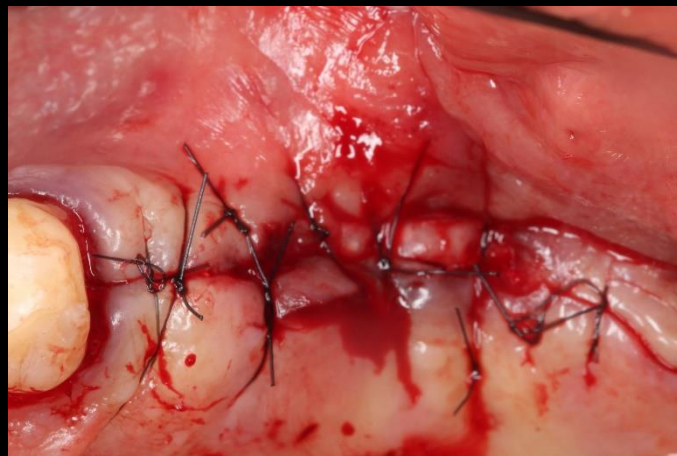
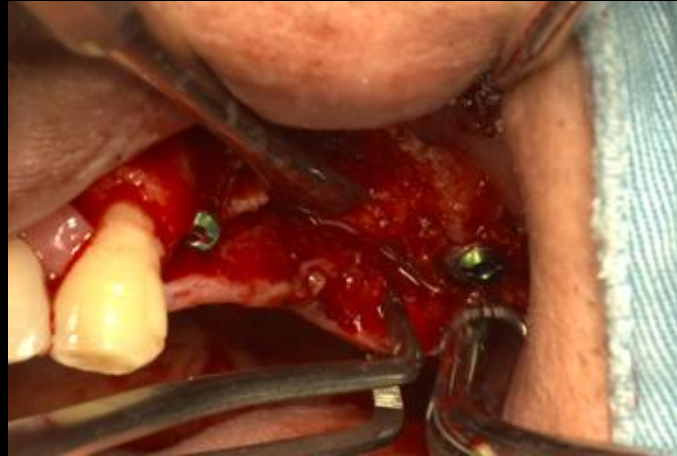
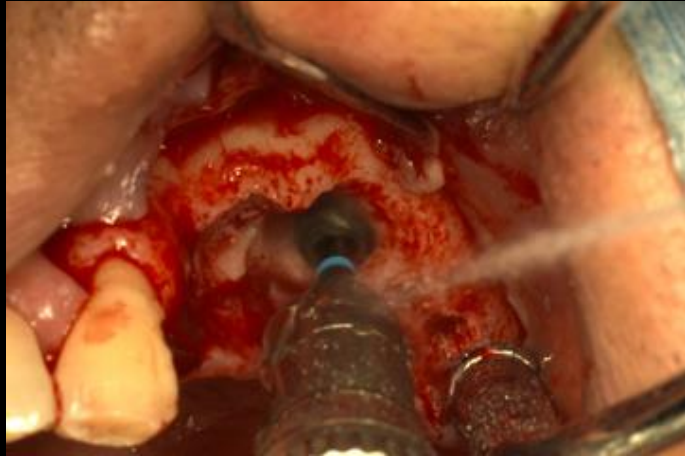
Similar case 2

Overcoming Implant complication (Fixture removal)



Similar case 2

Overcoming Implant complication (Fixture removal)

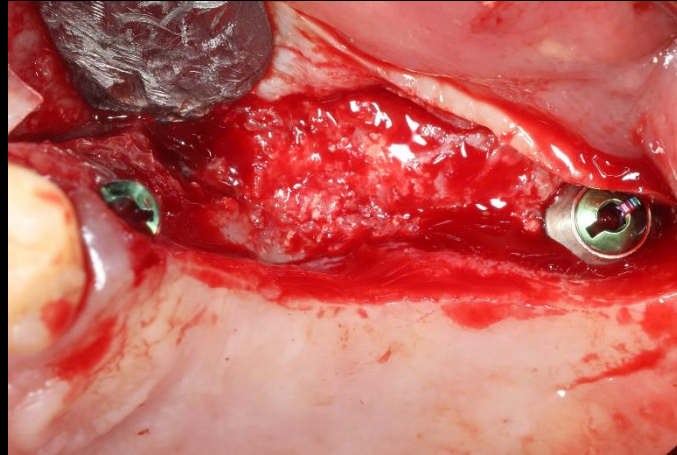


Similar case 2

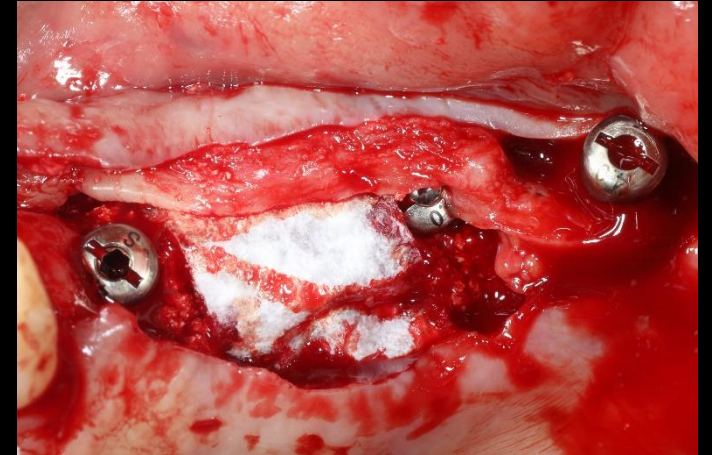
Overcoming Implant complication (Fixture removal)



Healing : 2 months



Healing : 6 months



2nd Surgery / Implant placement



Provisional restoration

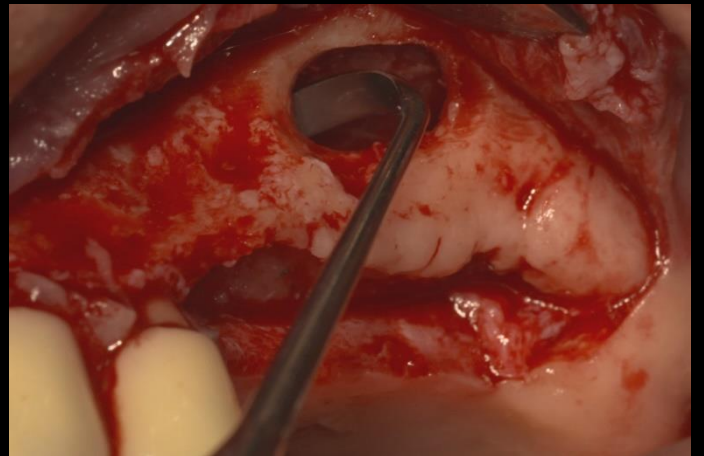
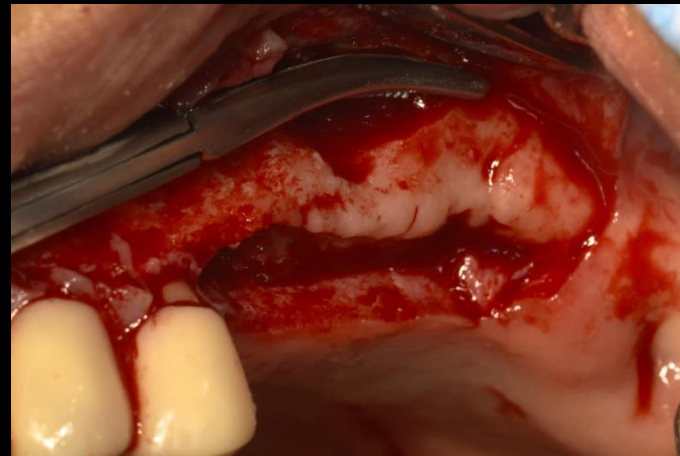
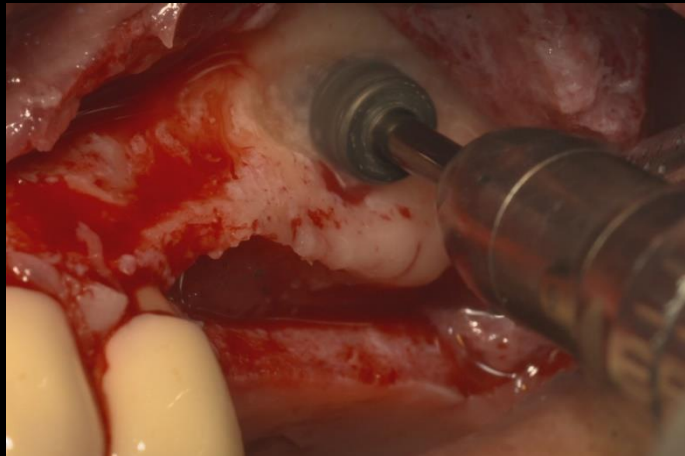
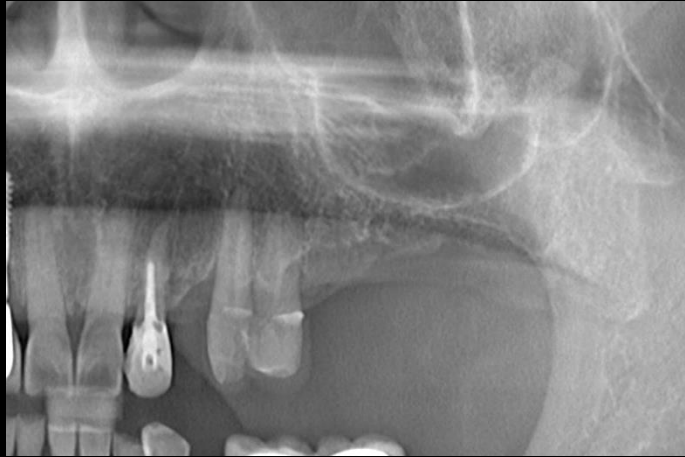


Final prosthesis



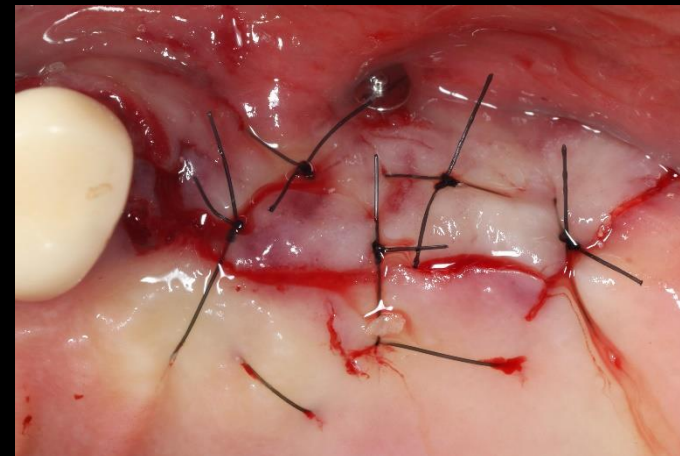
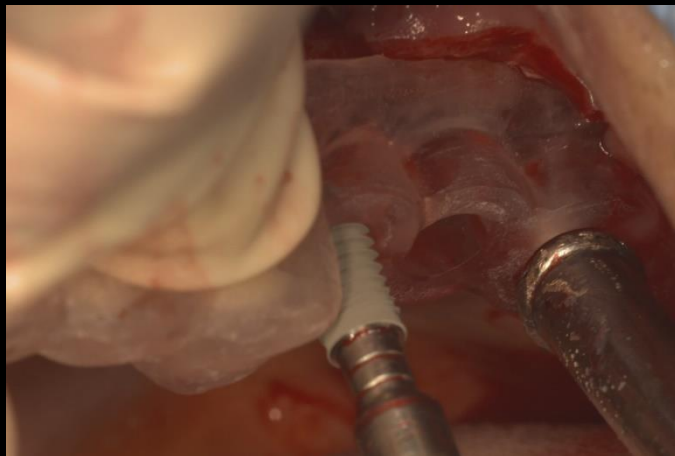
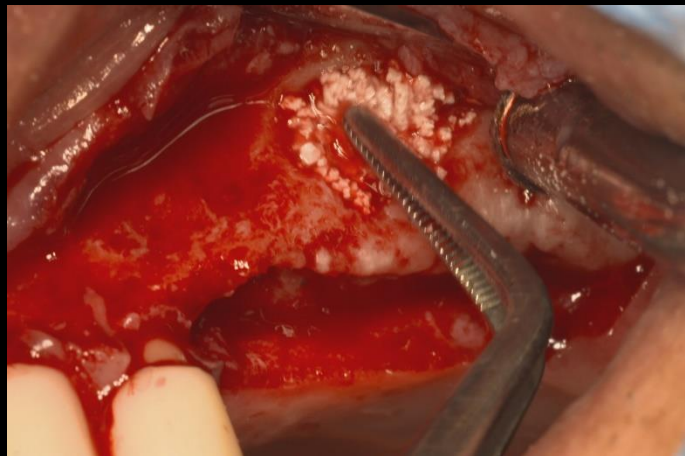
Similar case 3

Overcoming Artery rupture



Similar case 3

Overcoming Artery rupture



Healing : 2 weeks

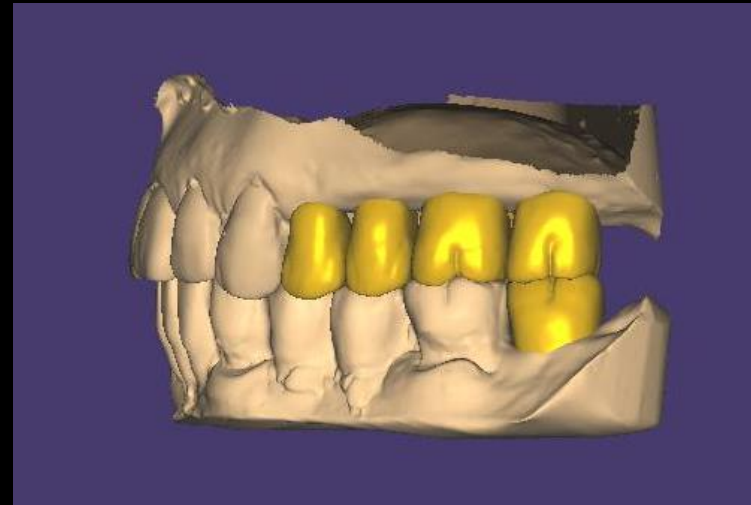
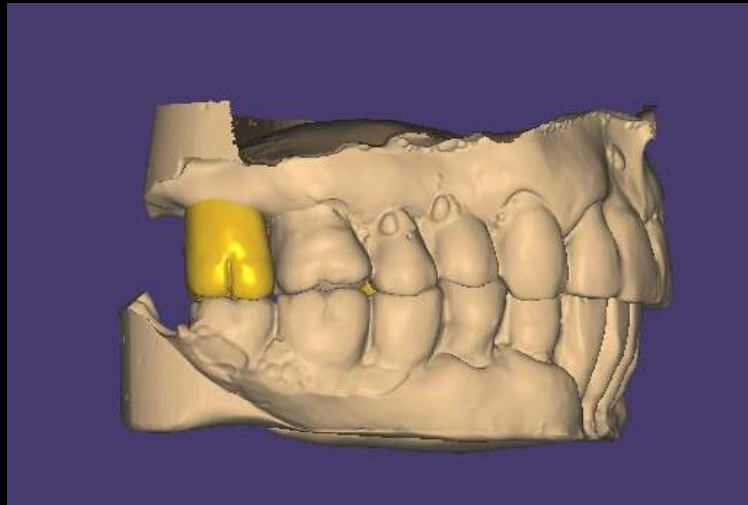
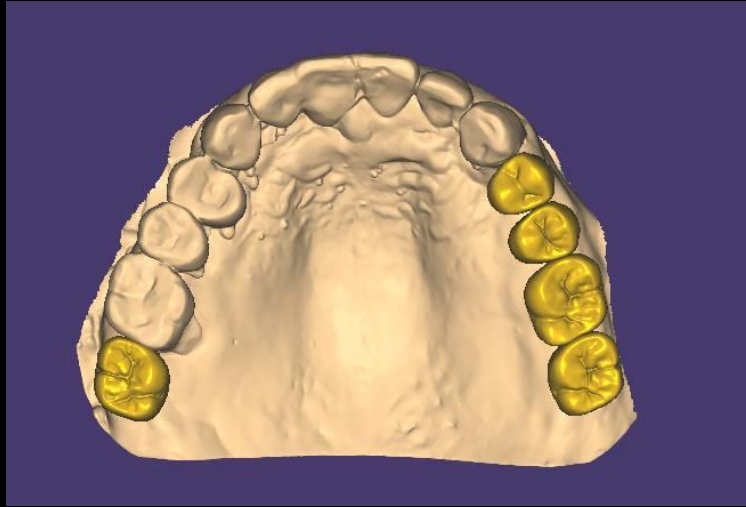
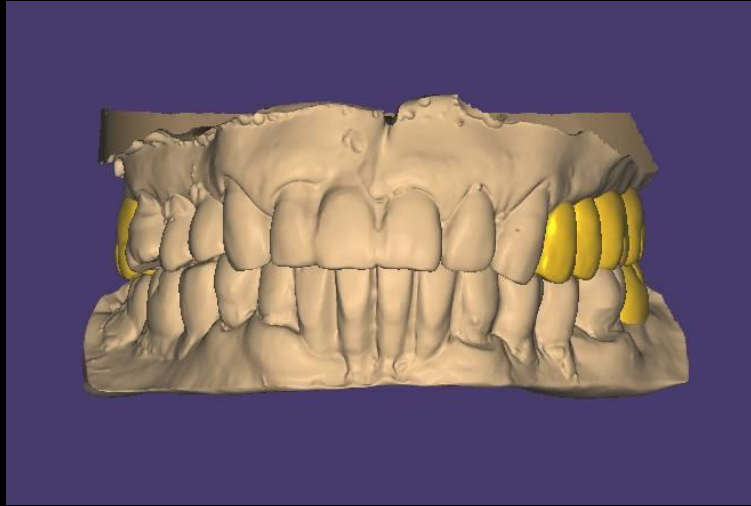


Healing : 5 months

Intra Oral Scanning

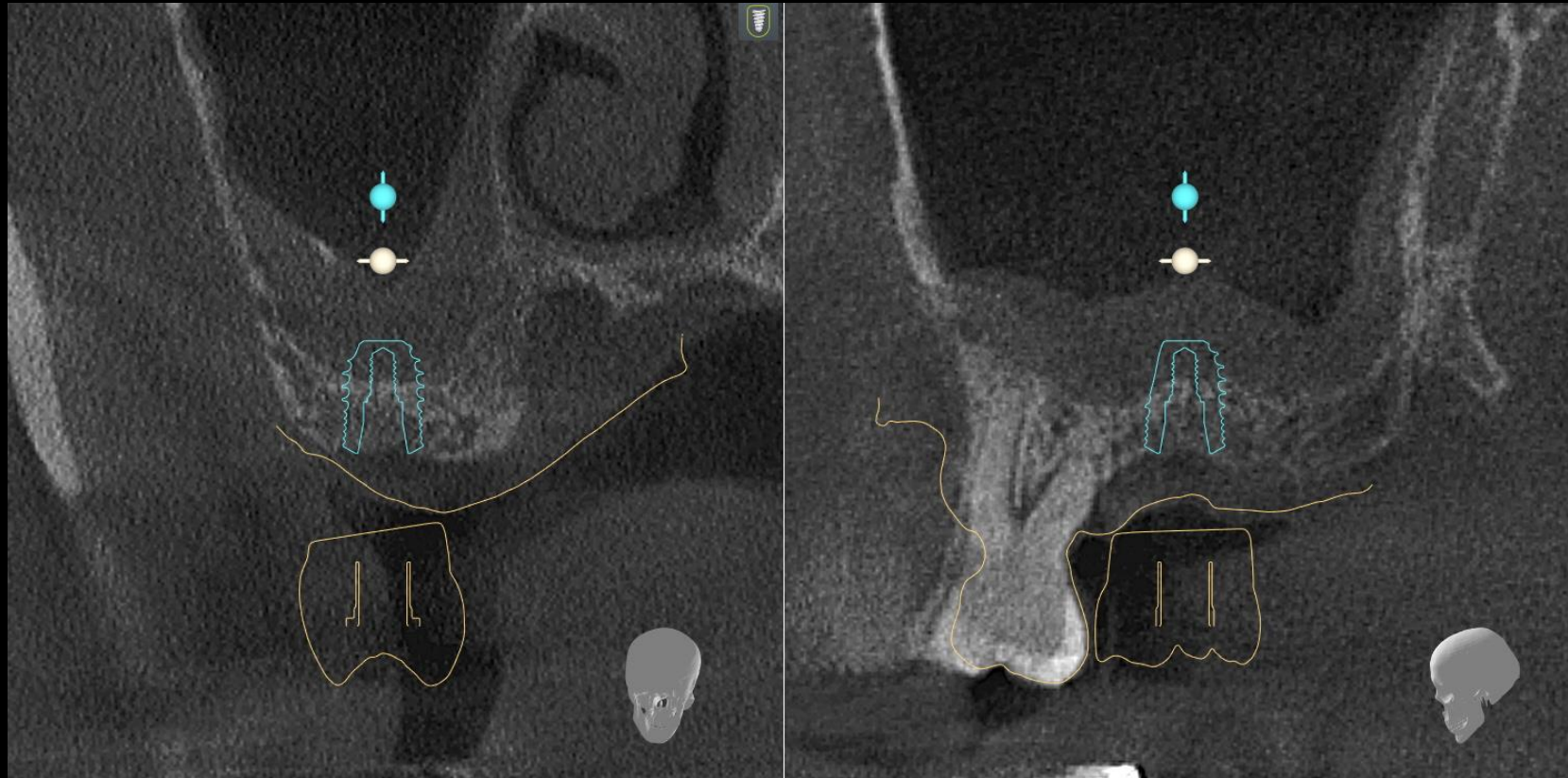


Virtual Set up



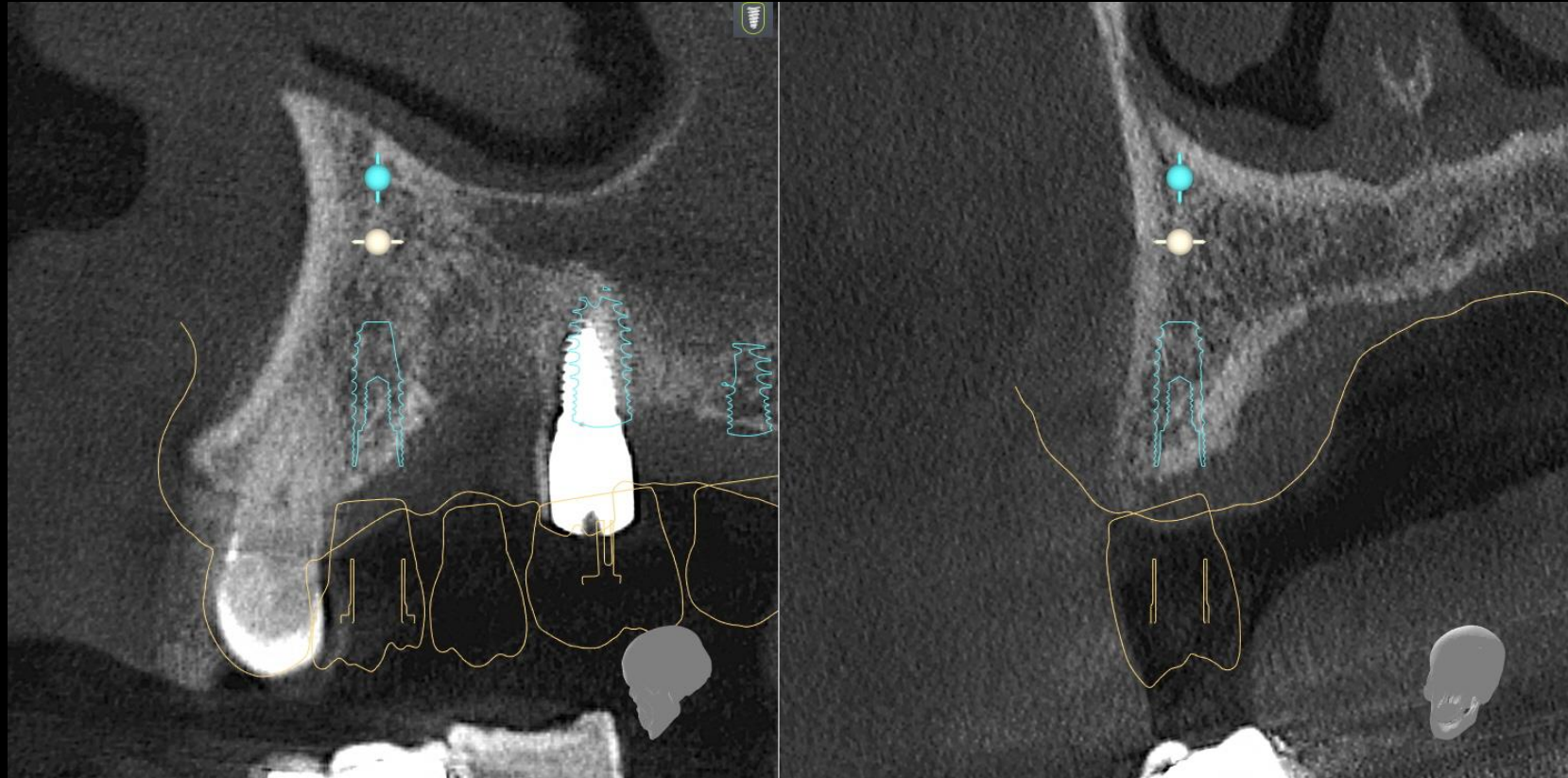
Implant Planning

#17 (5007)



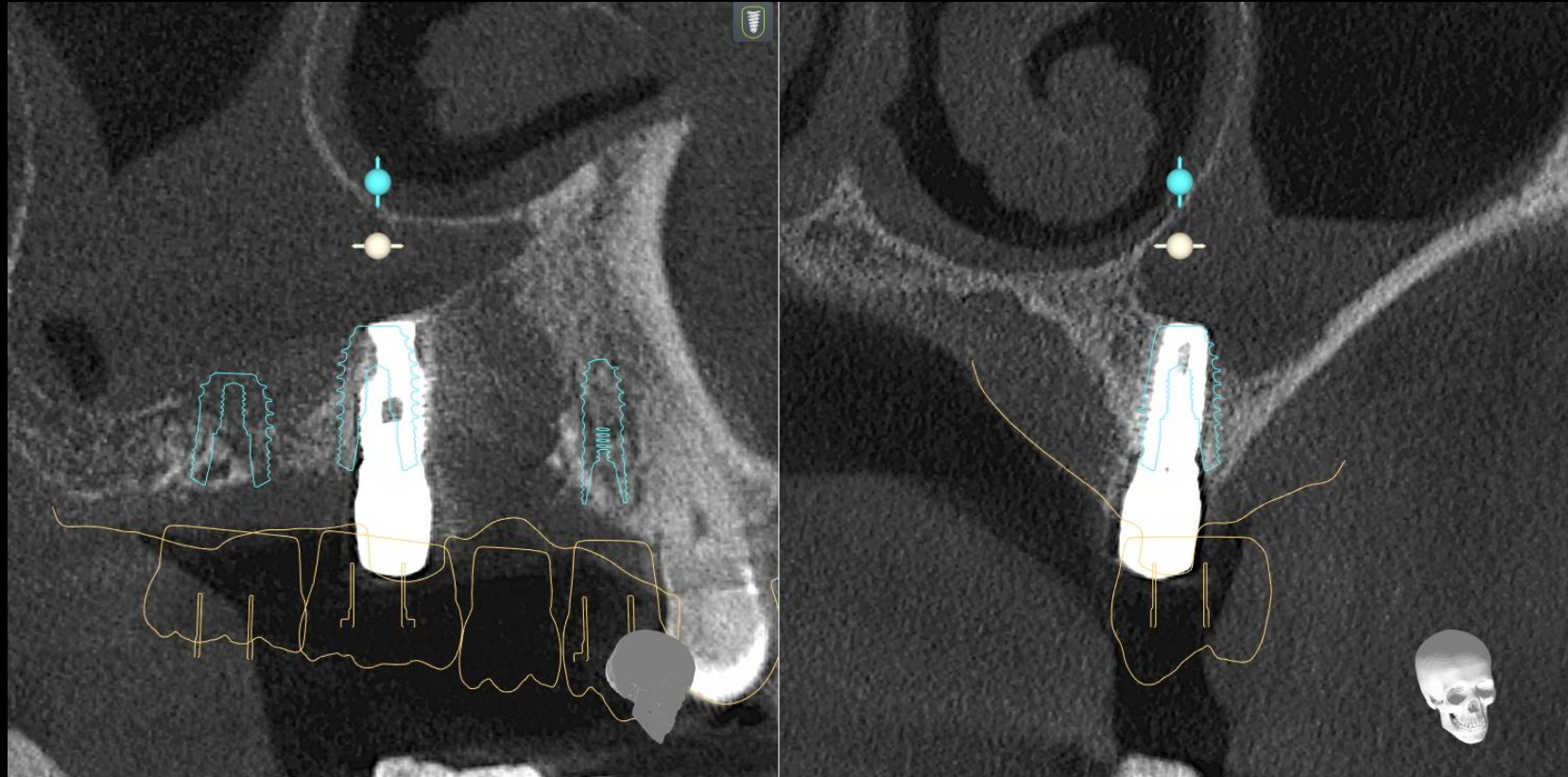
Implant Planning

#24 (2509)



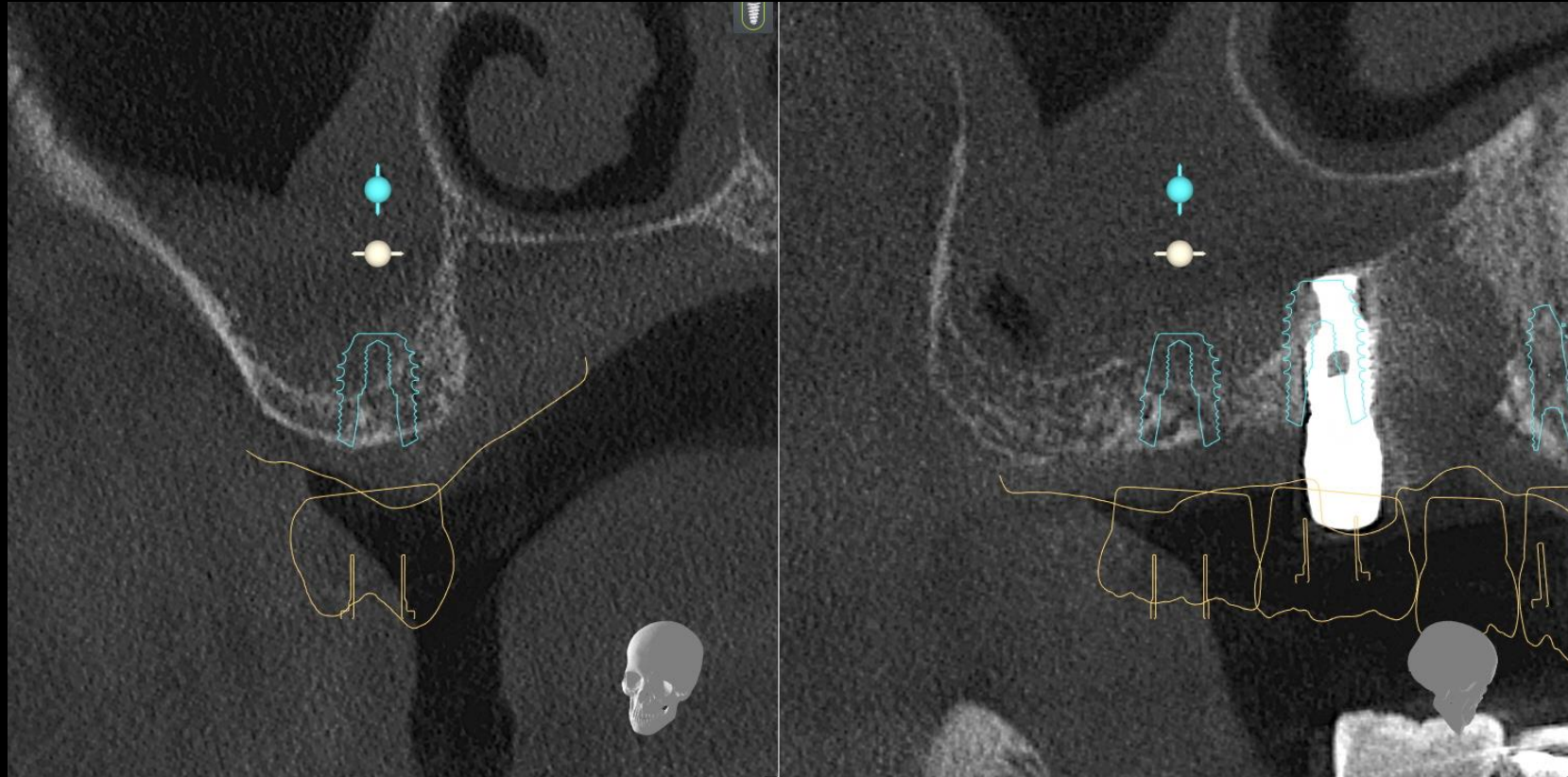
Implant Planning

#26 (5009)

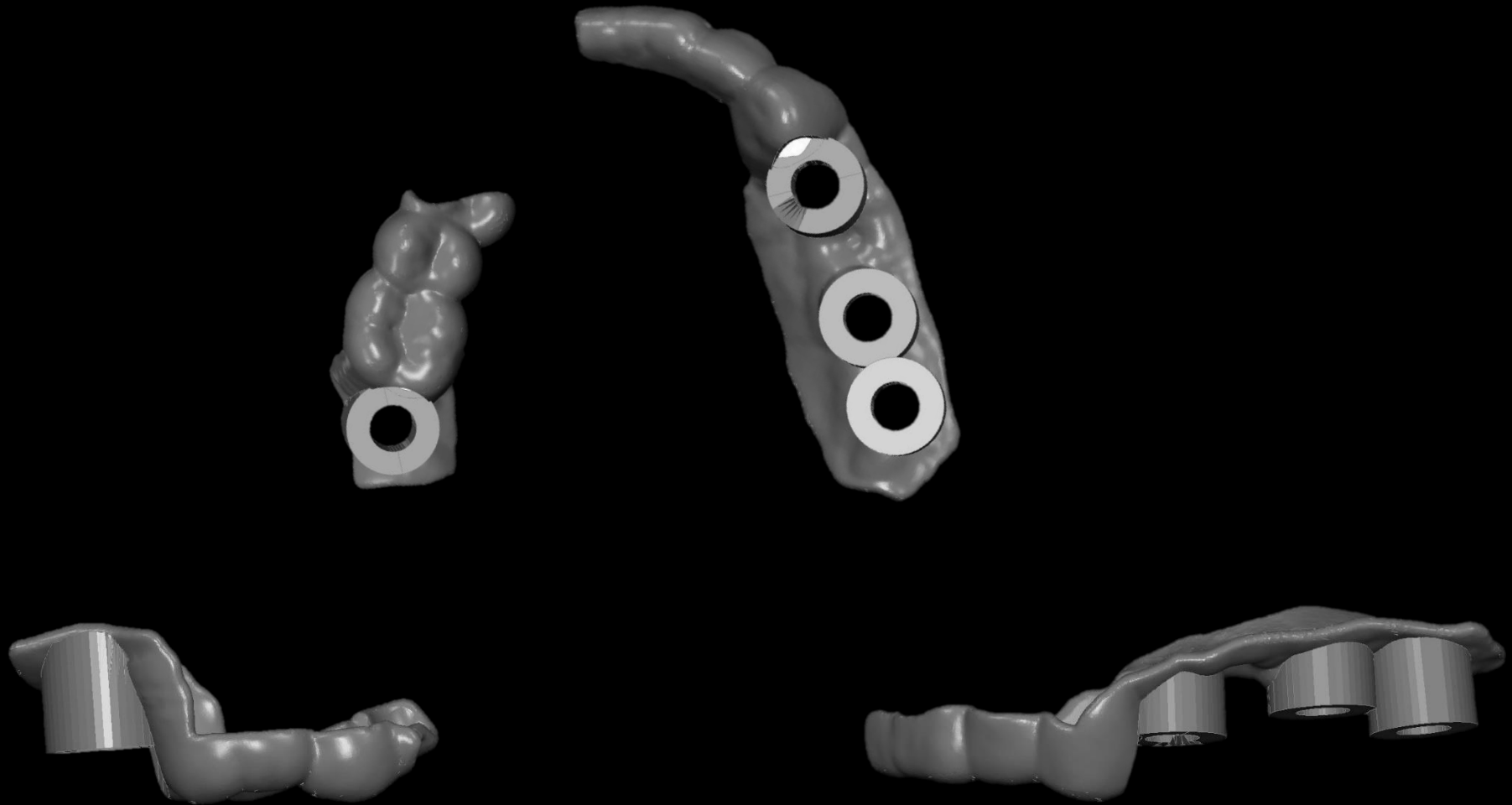


Implant Planning

#27 (5007)



Stent design



Stent



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.

