

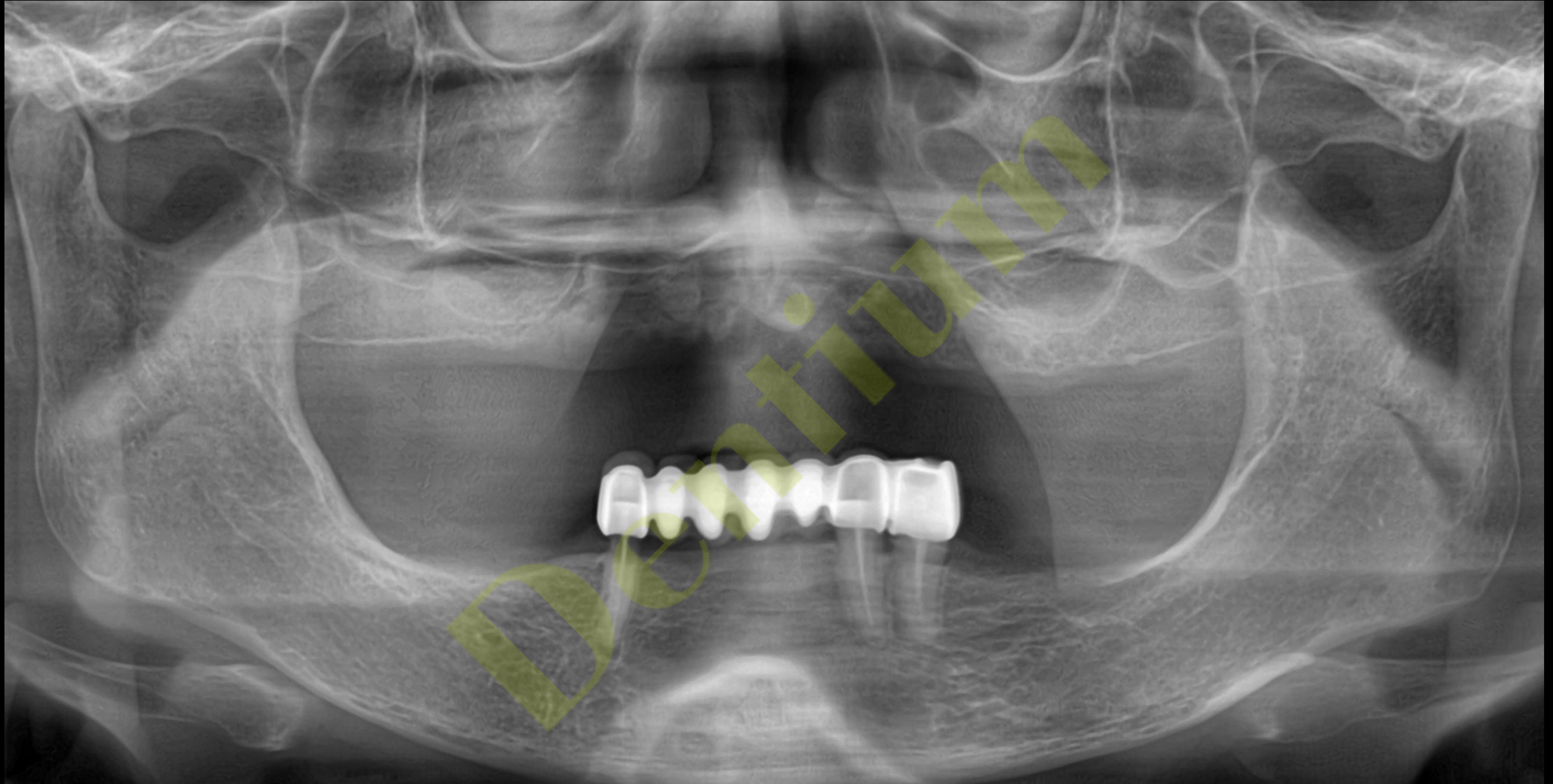
Short and Narrow

Progress through controversy

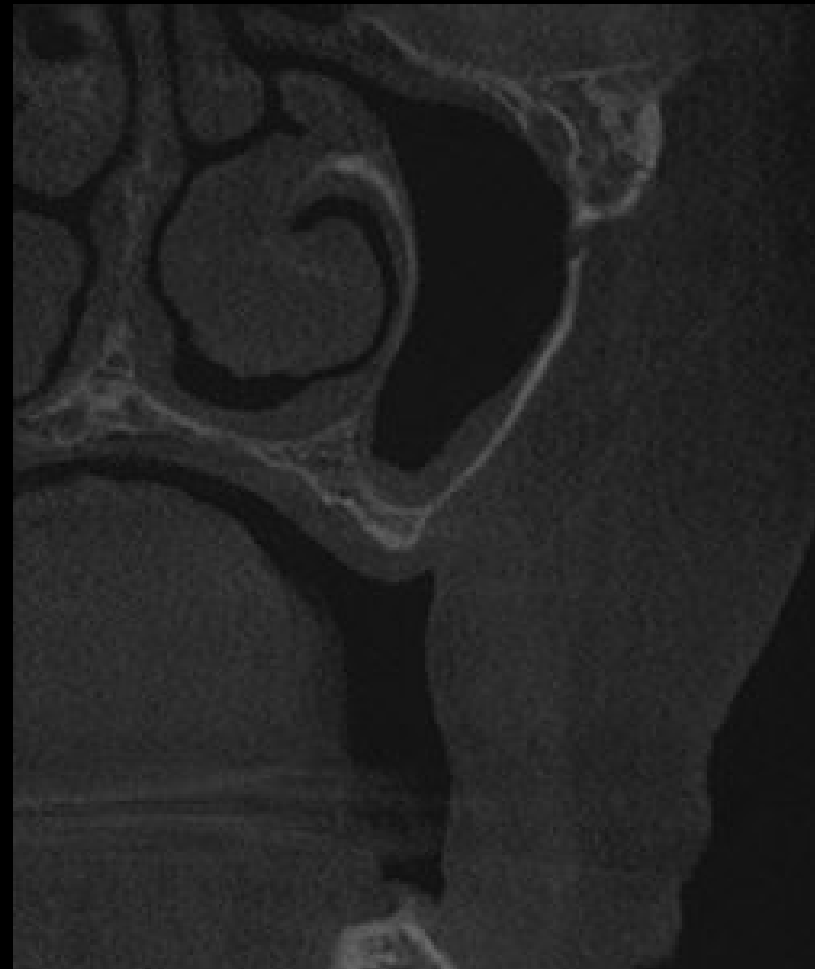


Dr Chung sungmin

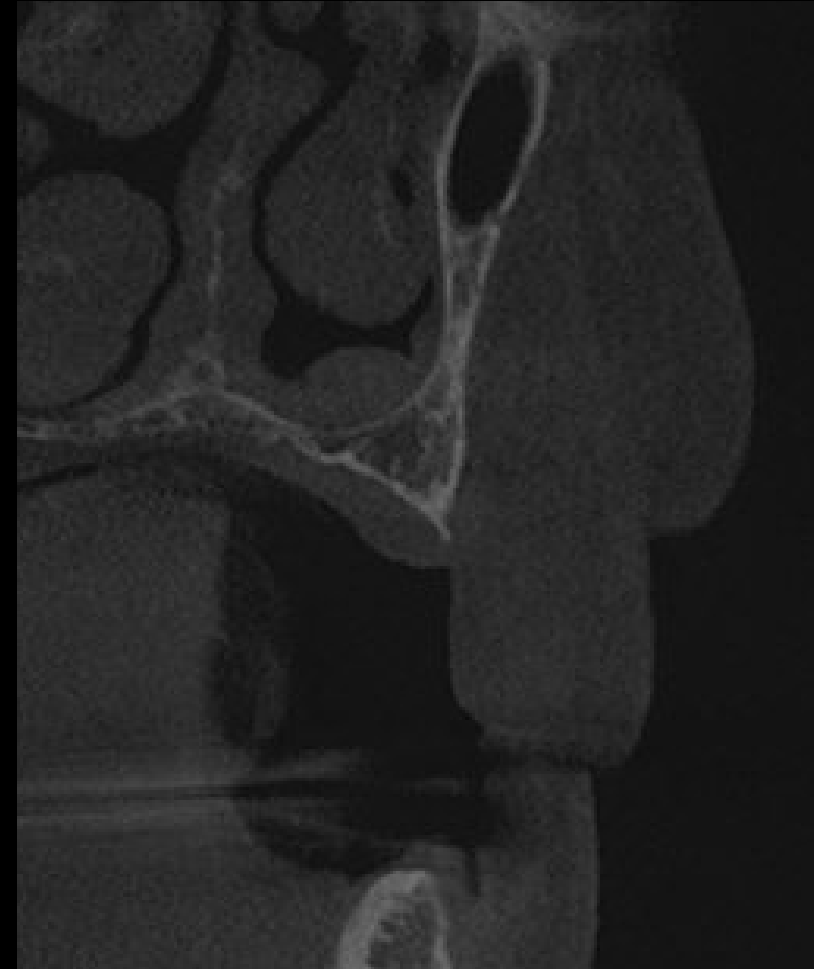
Pre-op (2021-10-22)



Pre-op CT (2021-10-22)



#16



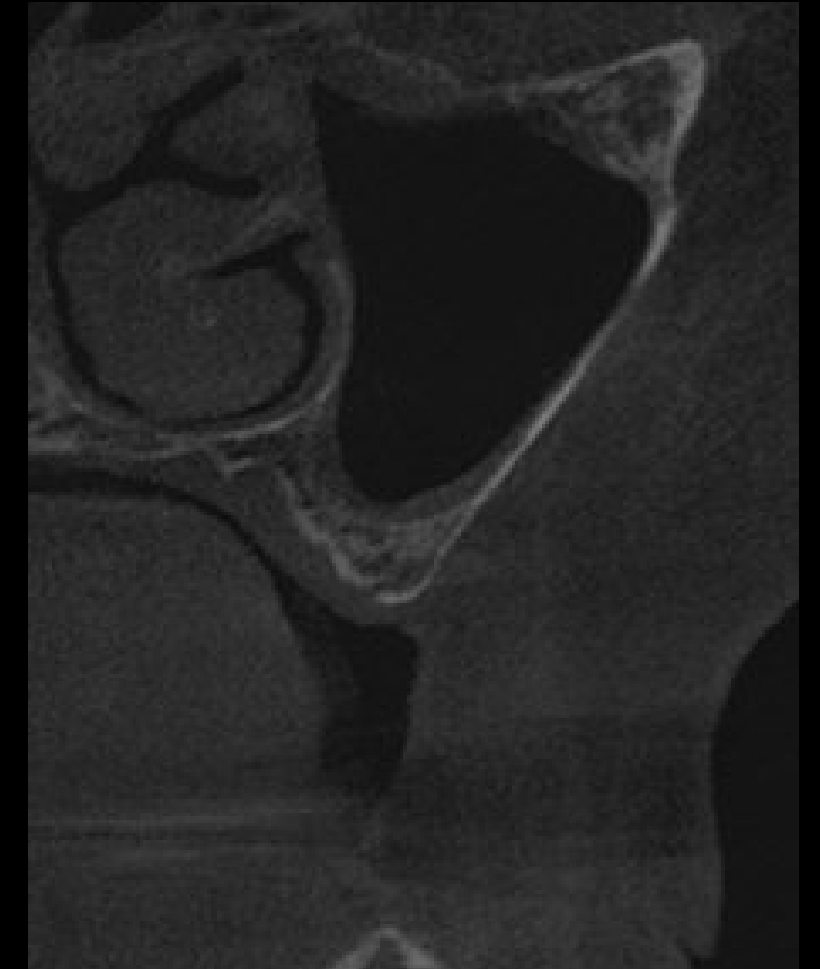
#14



#13

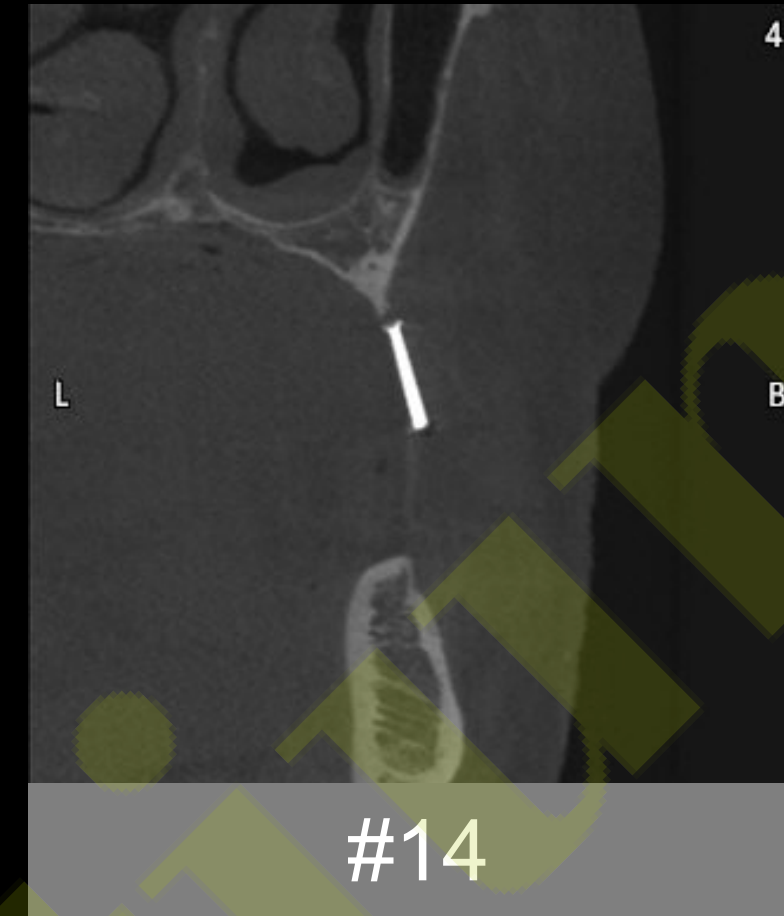
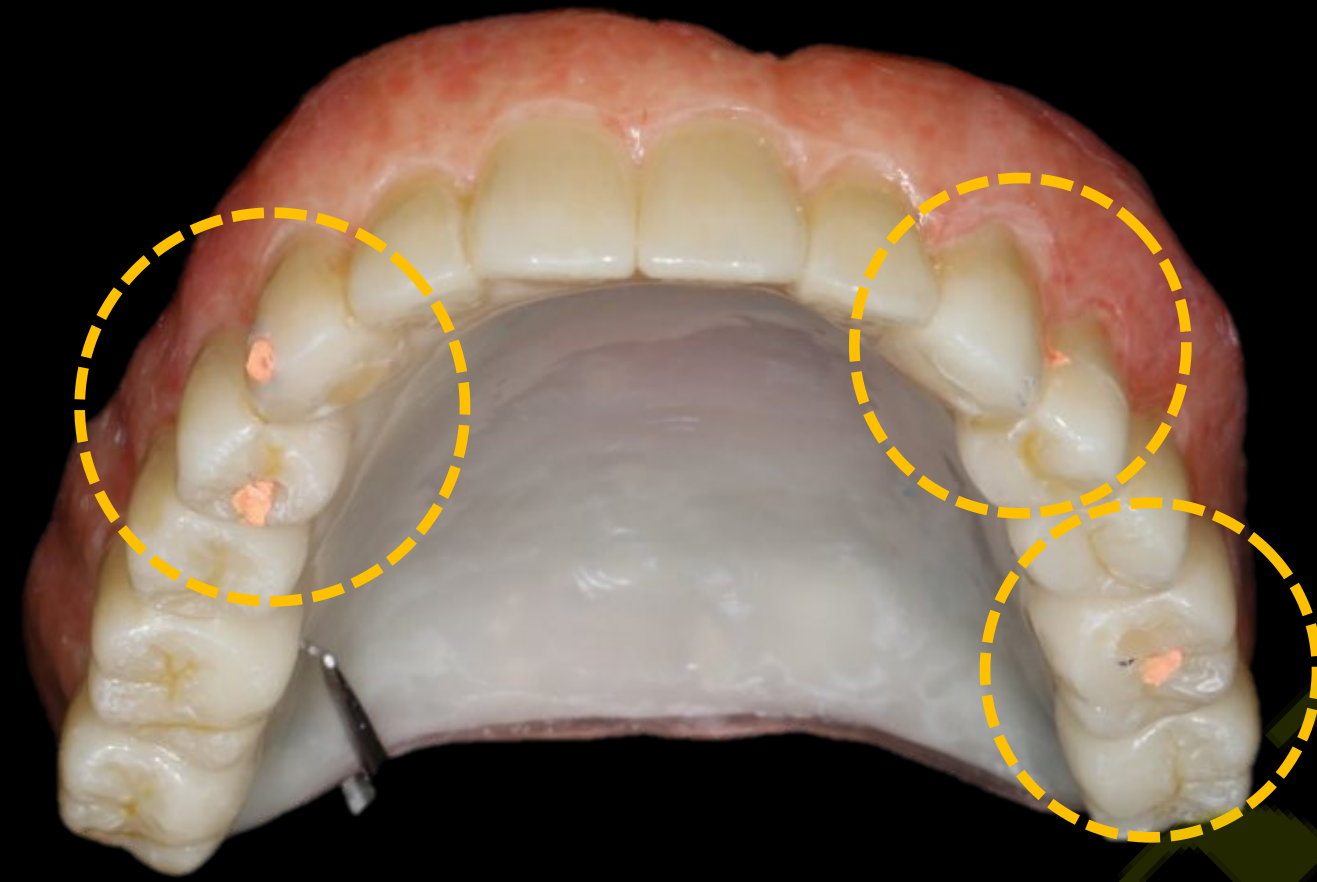


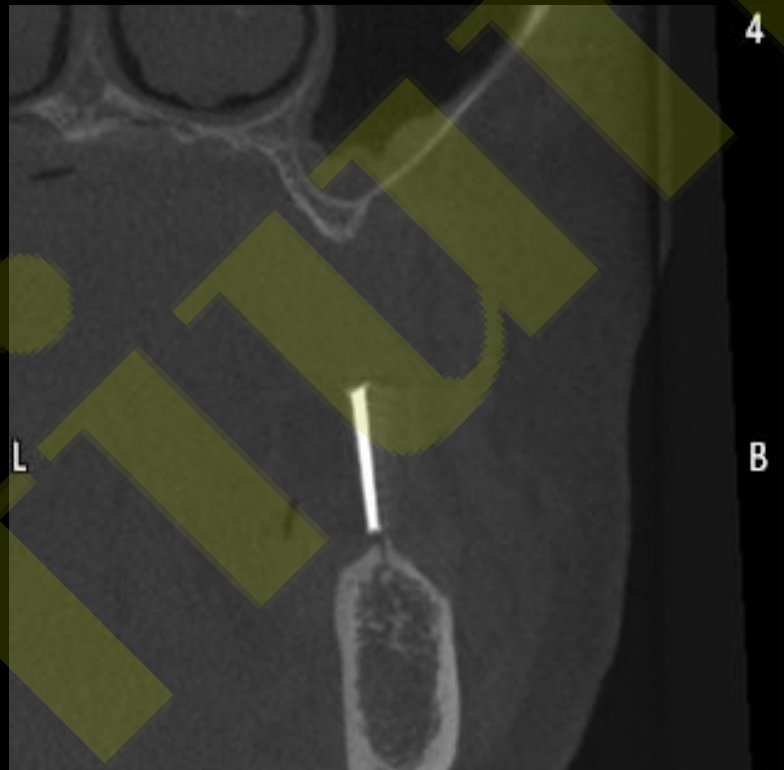
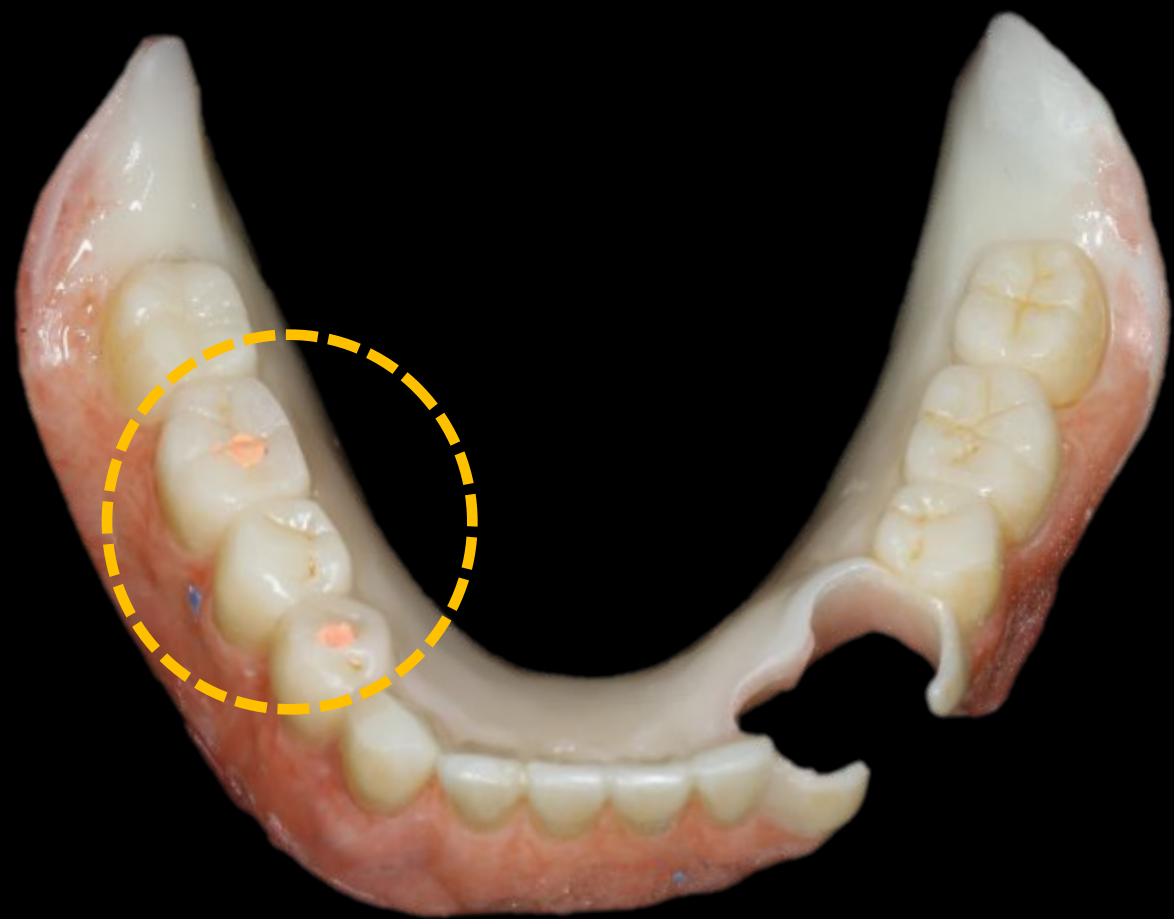
#23



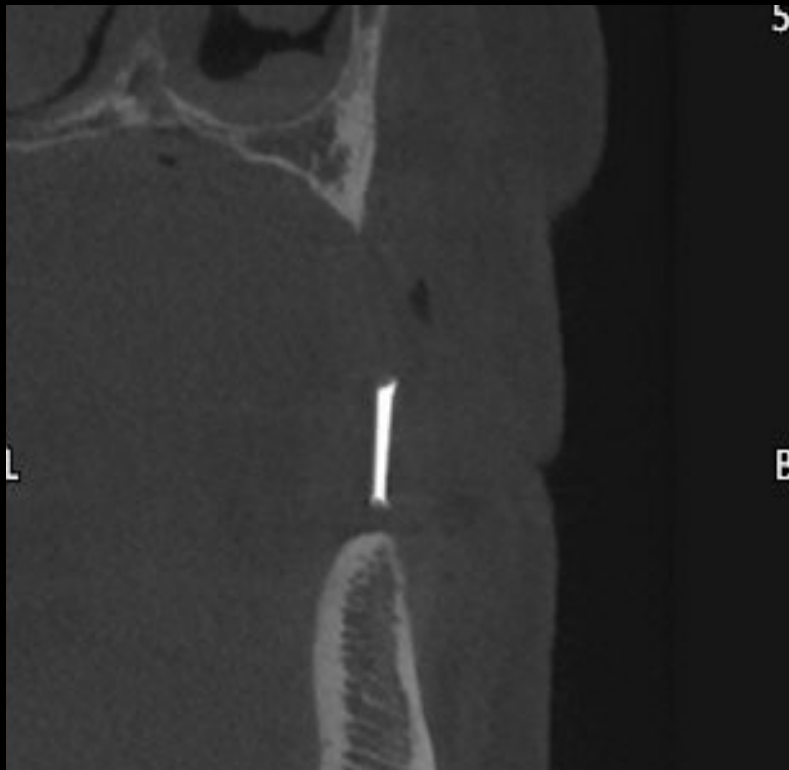
#26

GP cone marking & CT taking (2021-11-03)



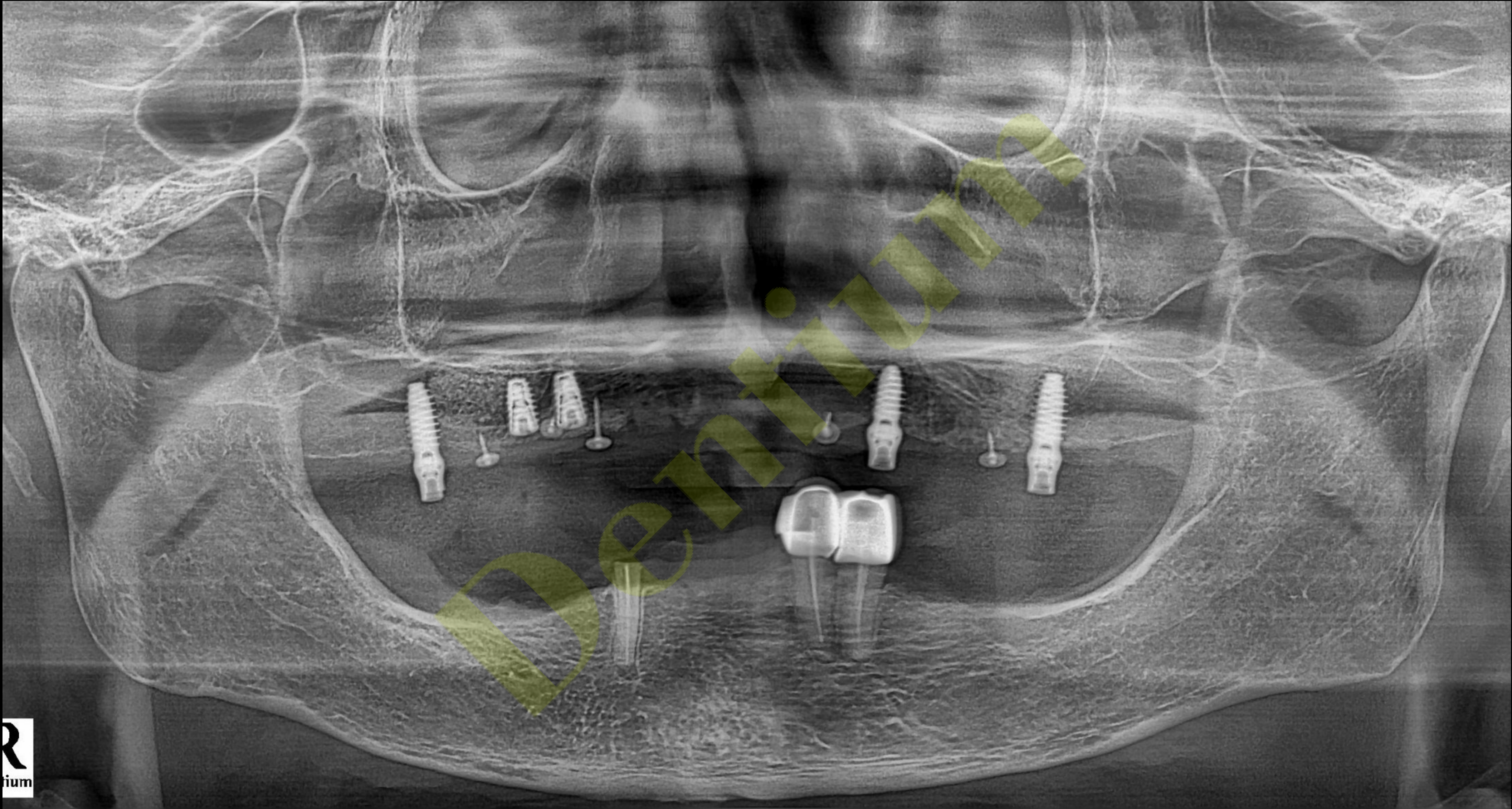


#46

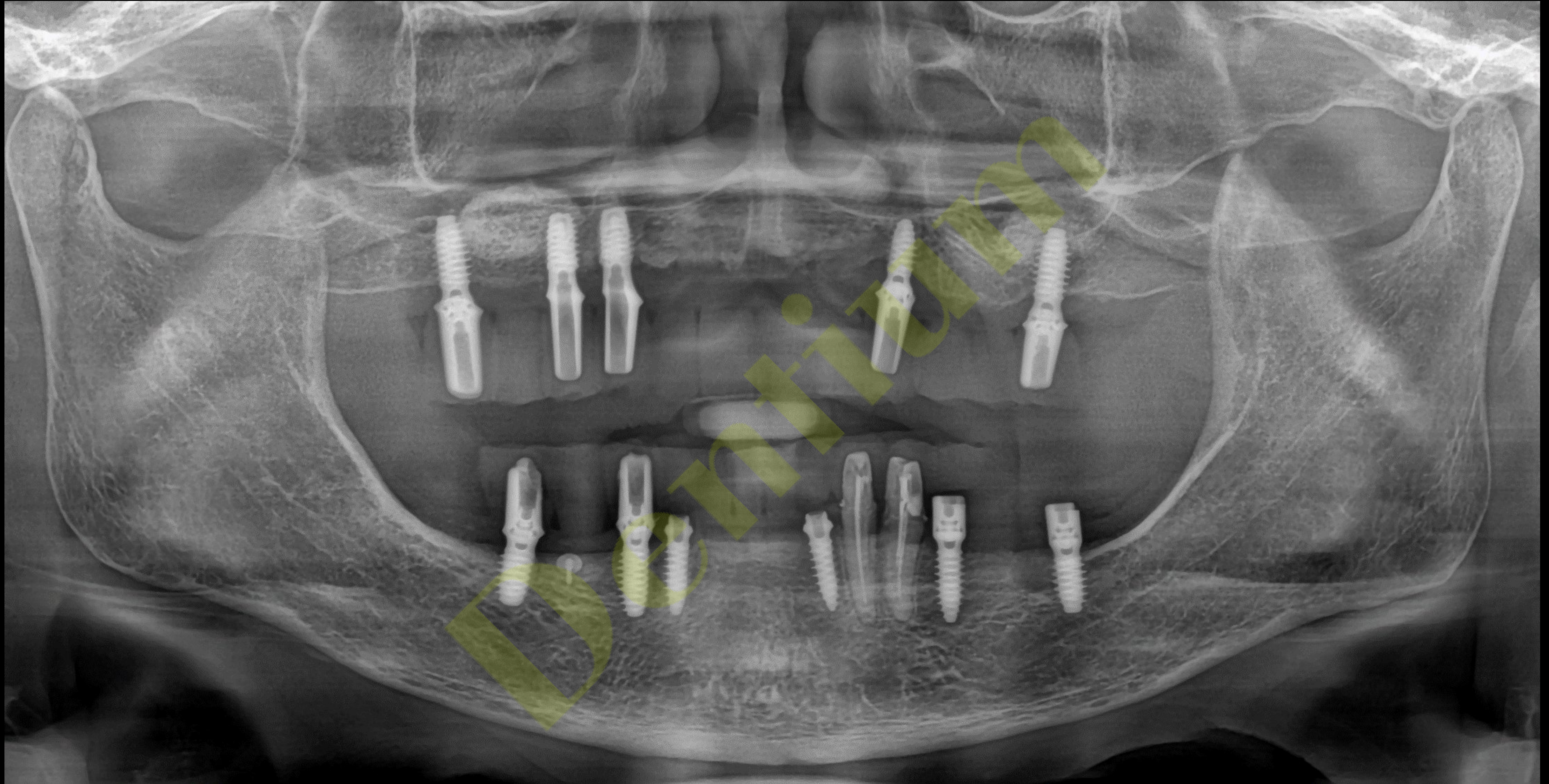


#44

Post-op (2021-11-05)



Custom abutment, Provisional restoration (2022-09-01)



#16 Custom abutment, Provisional restoration CT (2022-10-05)



#16



#14



#13

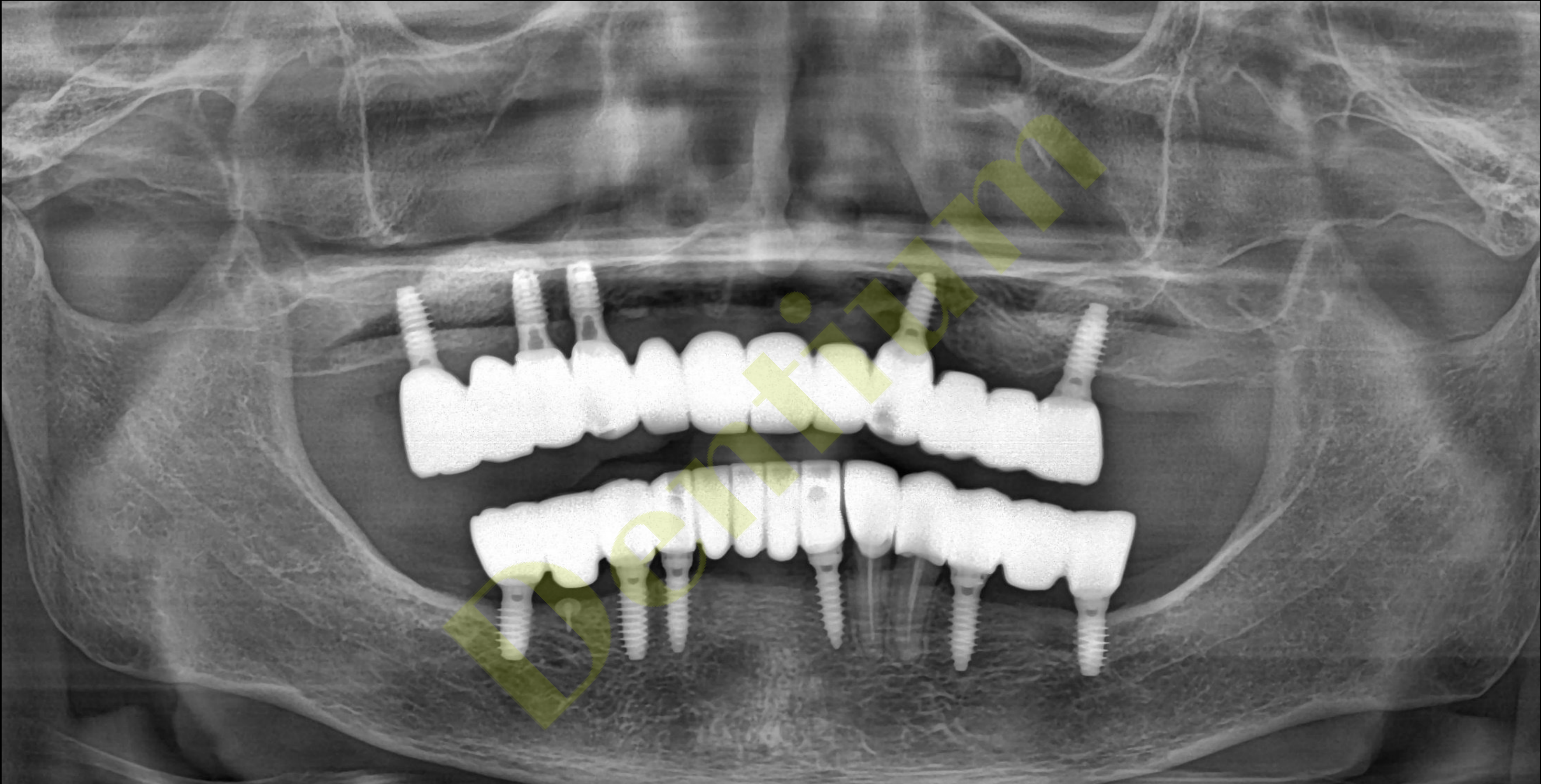


#23



#26

Final prosthesis (2022-12-28)



Pre-op (2021-10-20)



Temporary denture delivery (2021-11-17)



Healing : 7 months (2022-06-17)

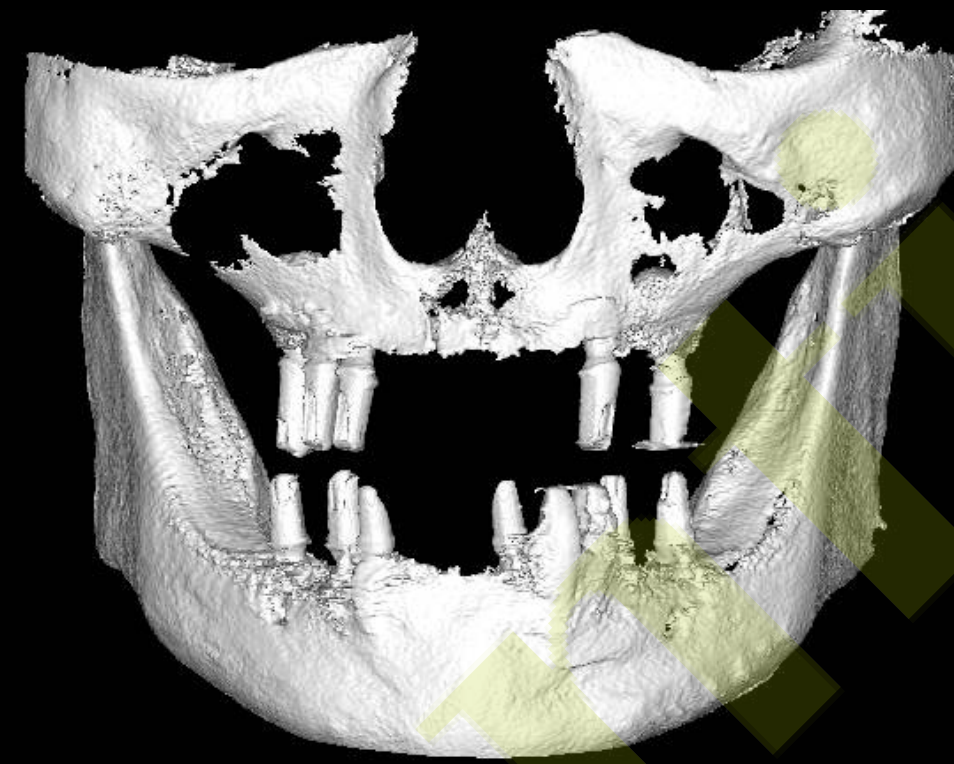


Working model

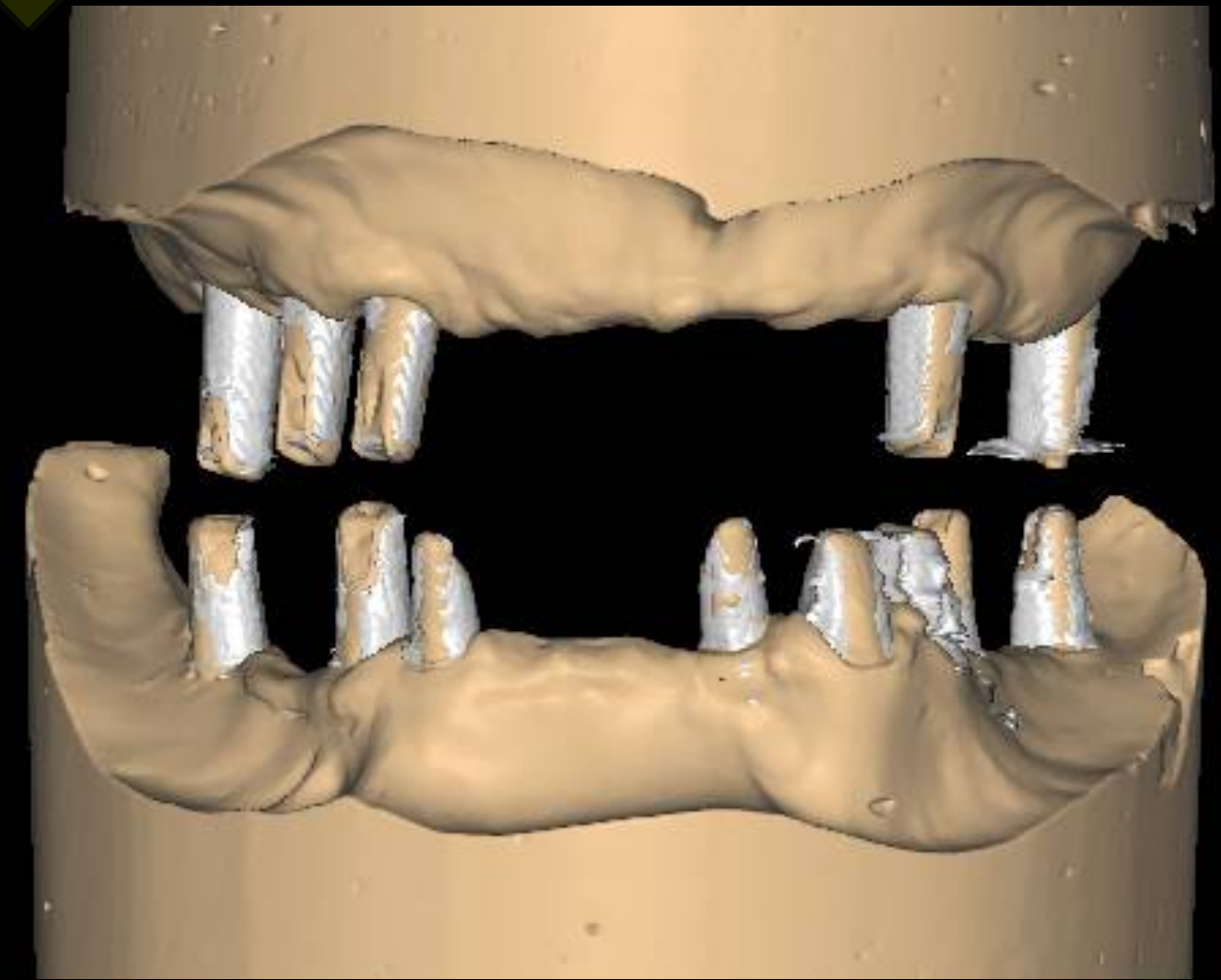


Scan Model

&



CT



Stitching

CAD (Temporary)



Provisional restoration (2022-10-05)



Final prosthesis (2022-12-28)

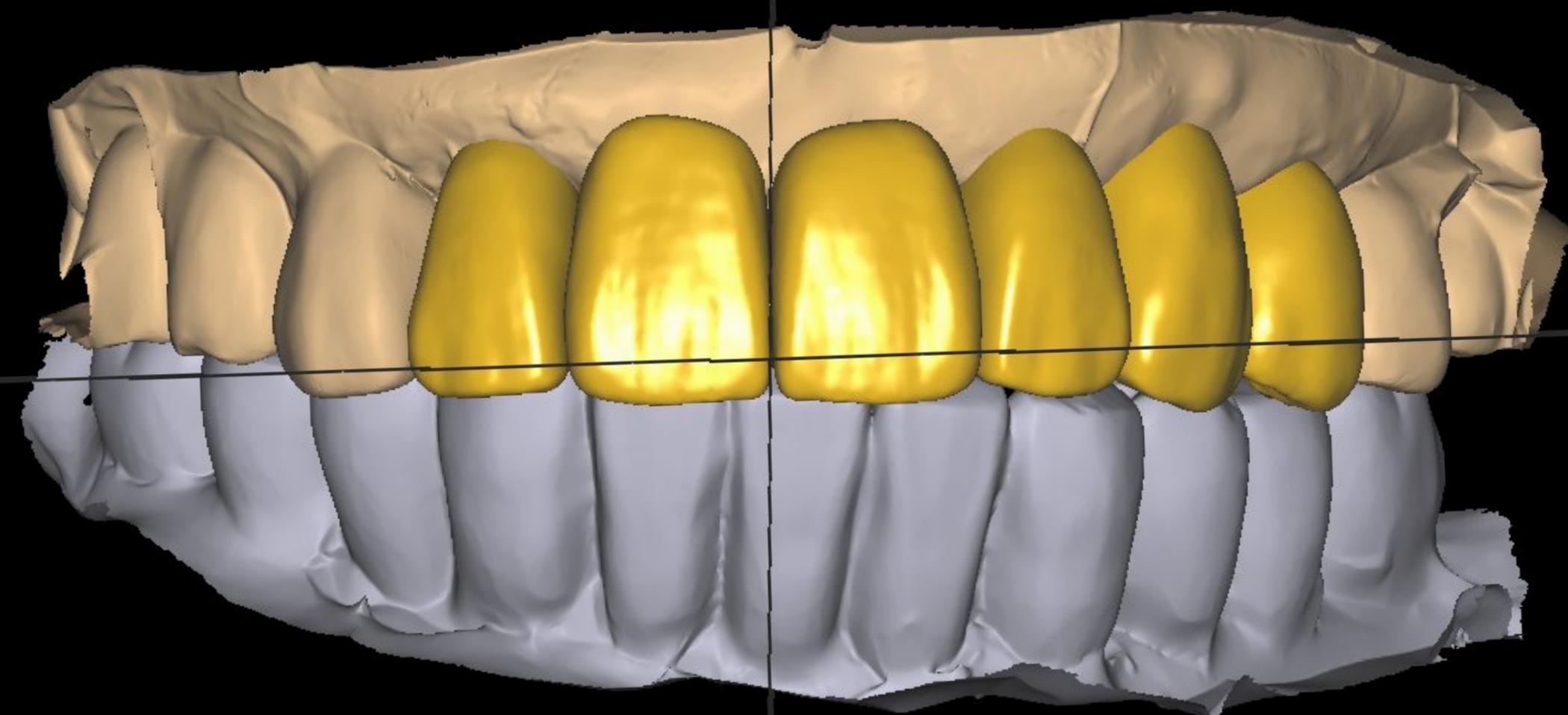
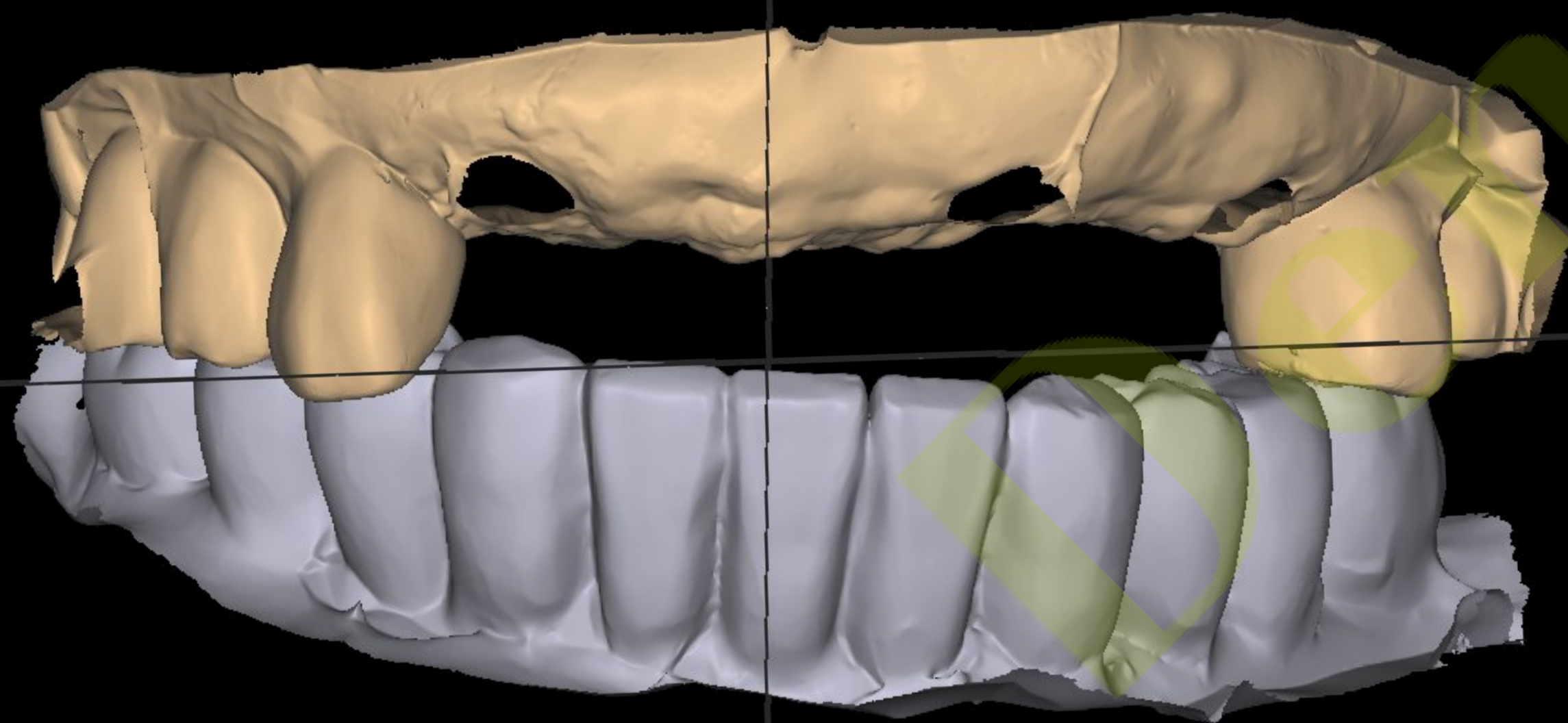


3 hot topics in implant

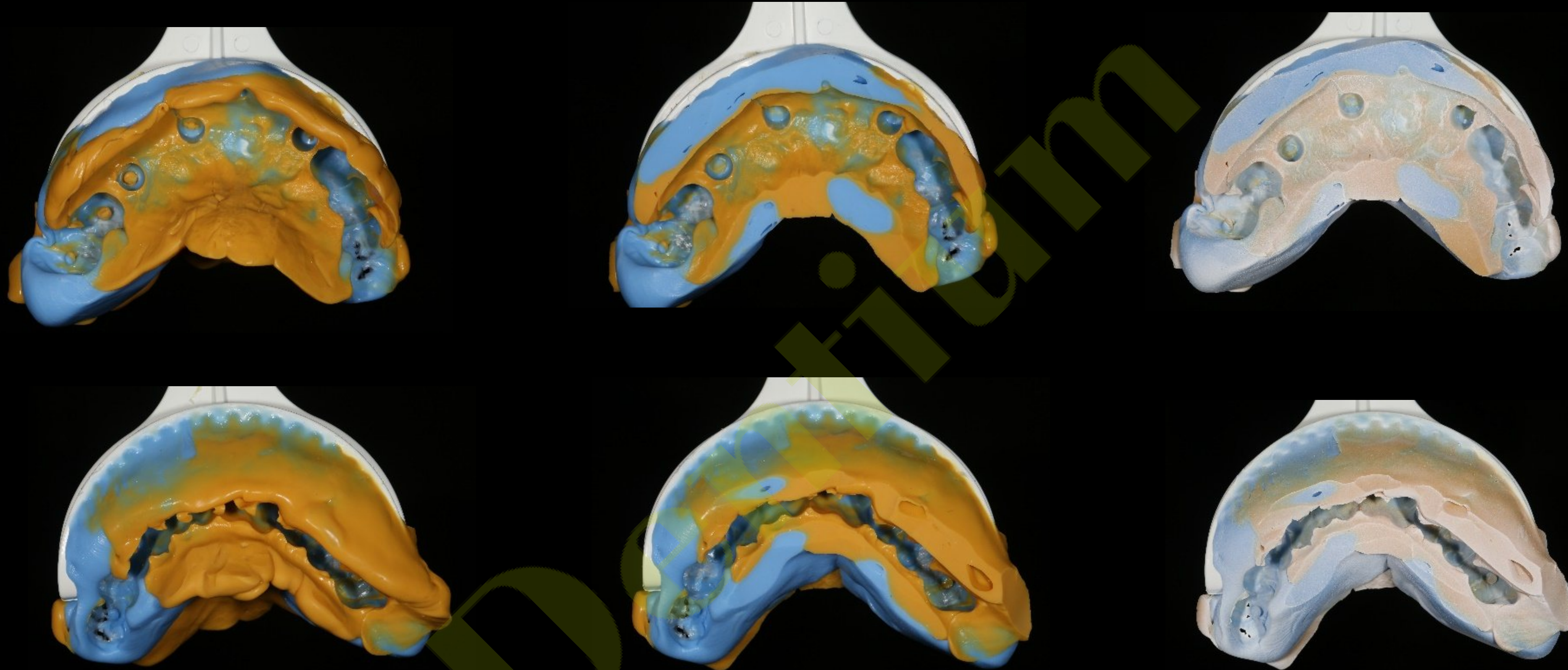
Digital dentistry

Sinus

GBR



Bite Tray impression scan



Border Trimming

Scan spray

환자 정보

알현석

아이디20170313b

나이79

검사일20231025

미리 선택

Occlusal Mark

세팔로 이미지 생성

세팔로 이미지 생성

렌더 타입

소프트 타입

관찰방향

HU70

QDefault

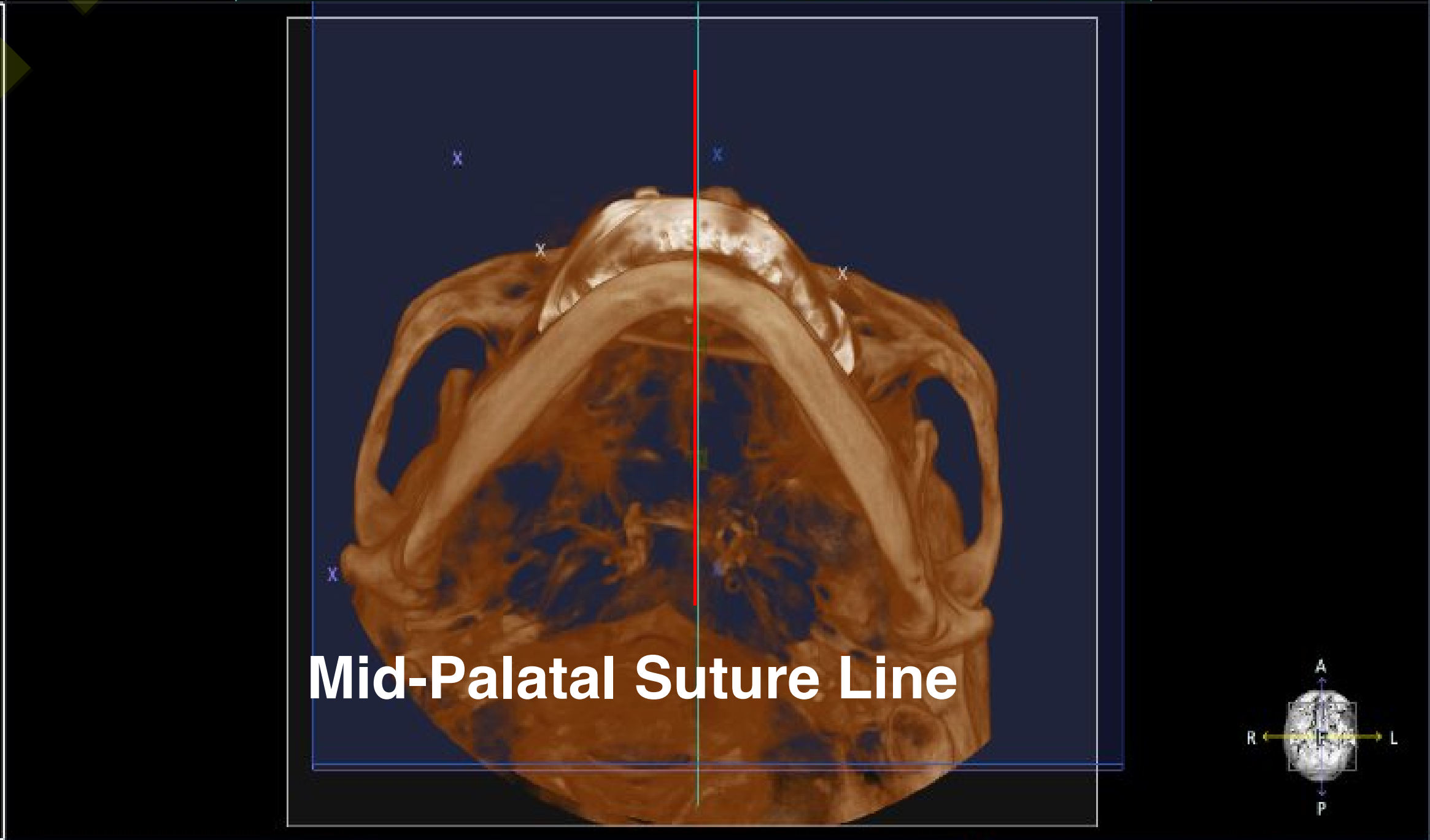
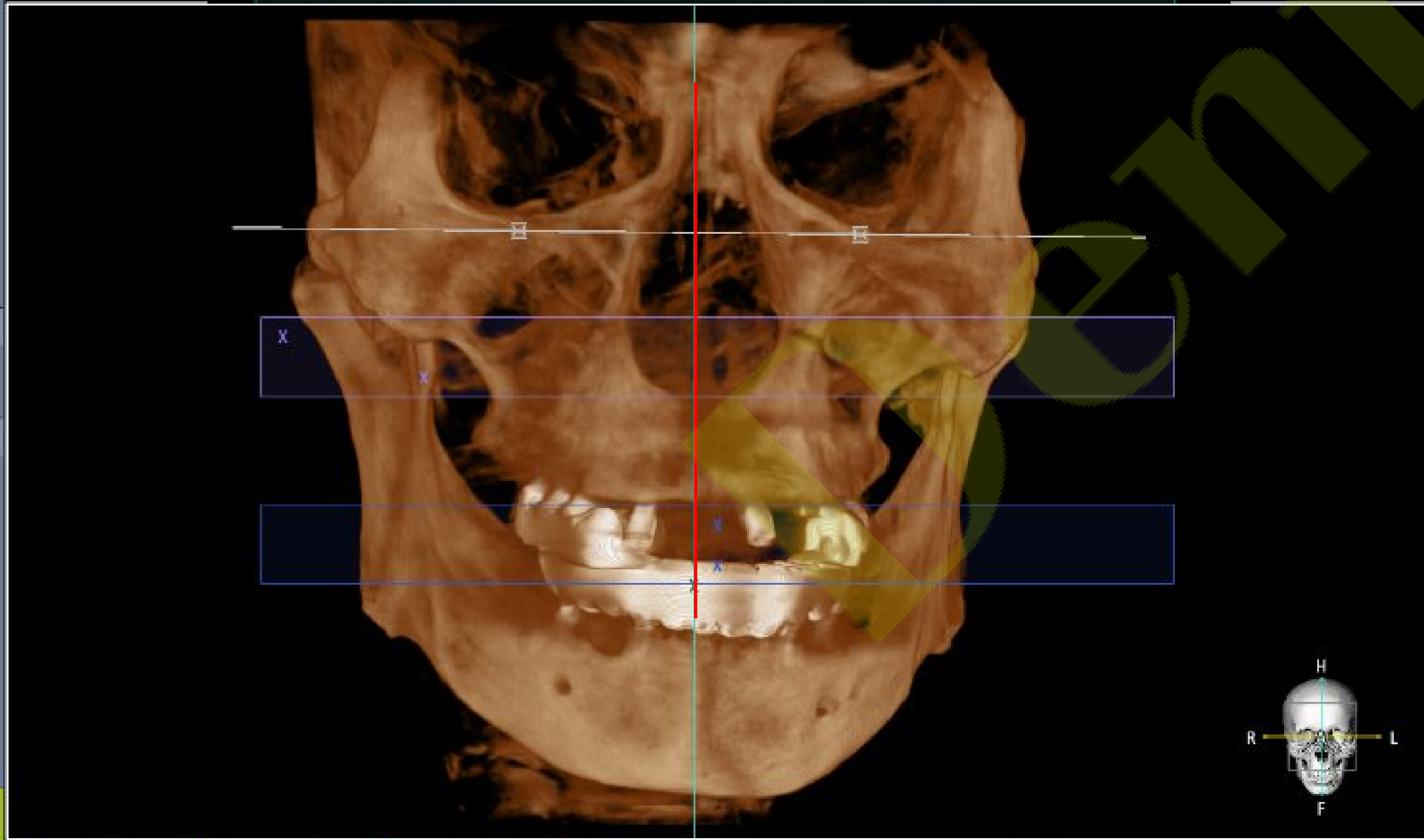
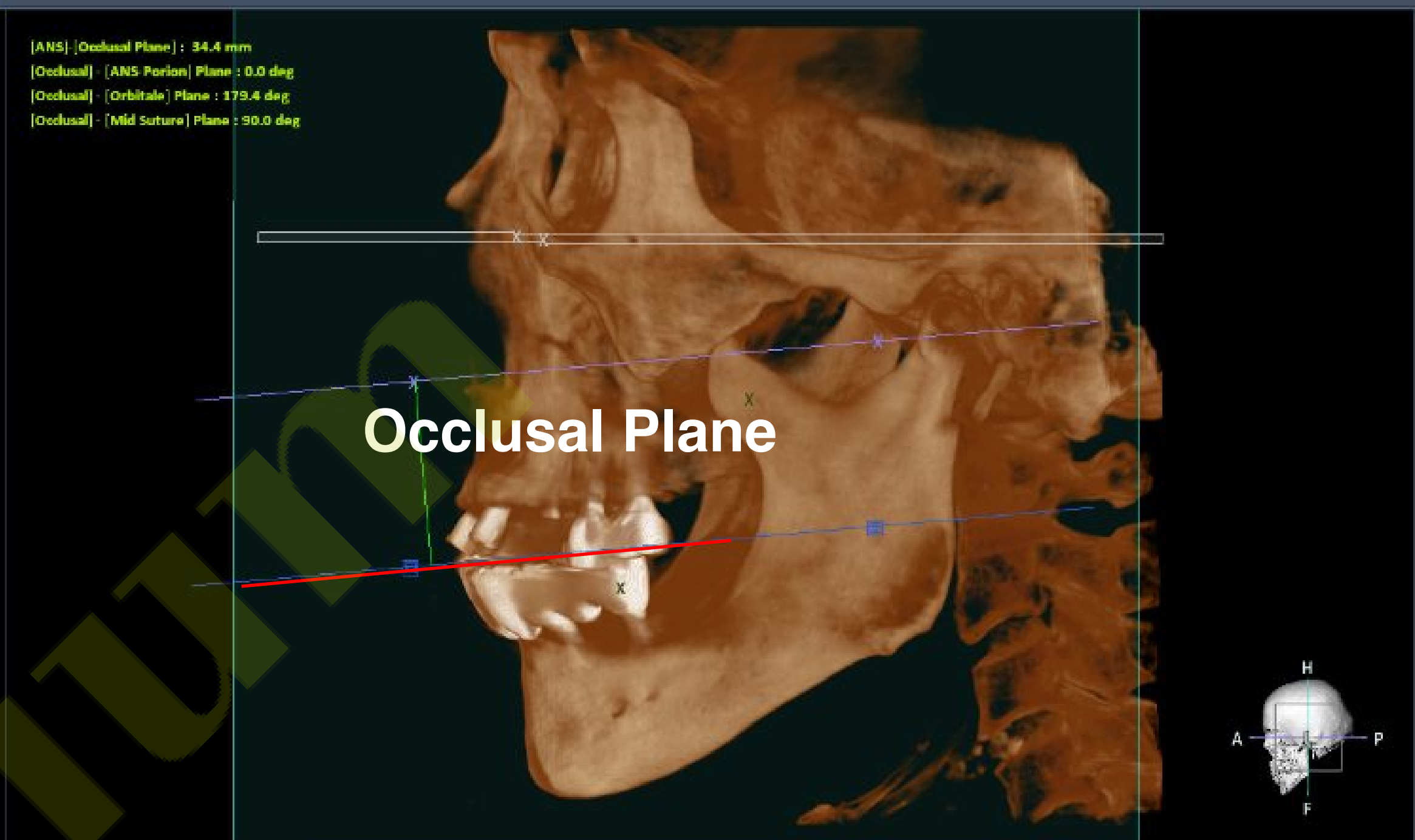
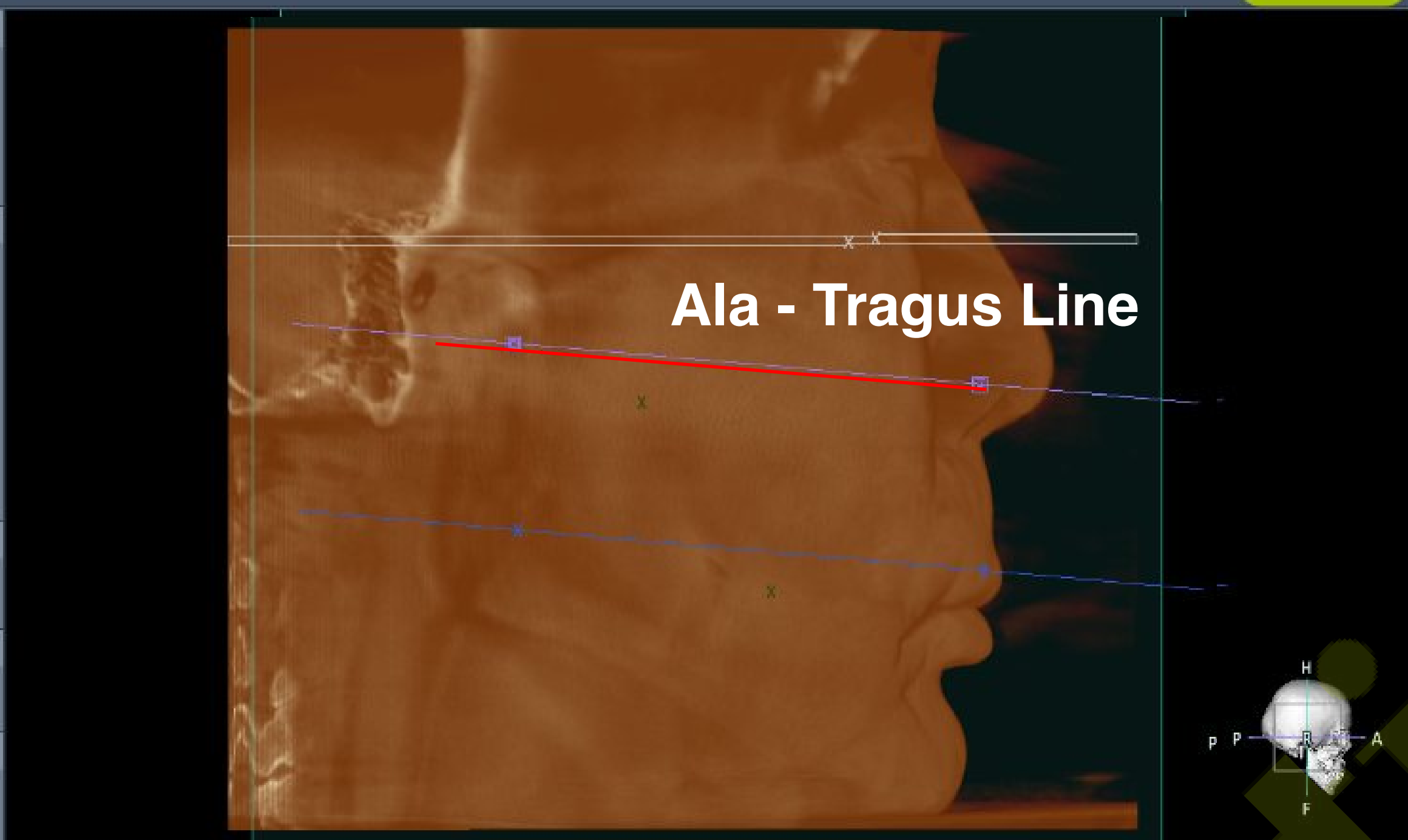
캡처

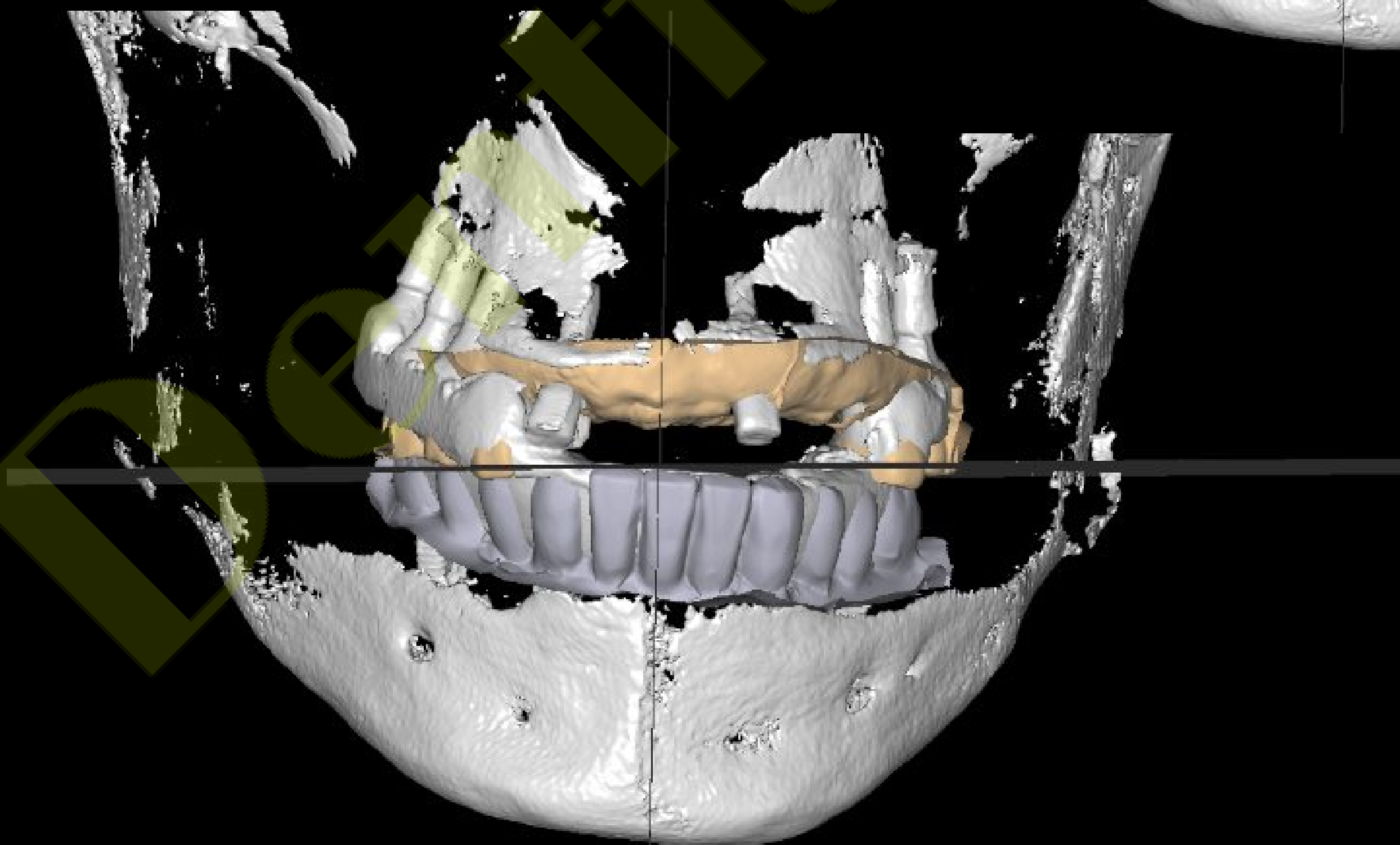
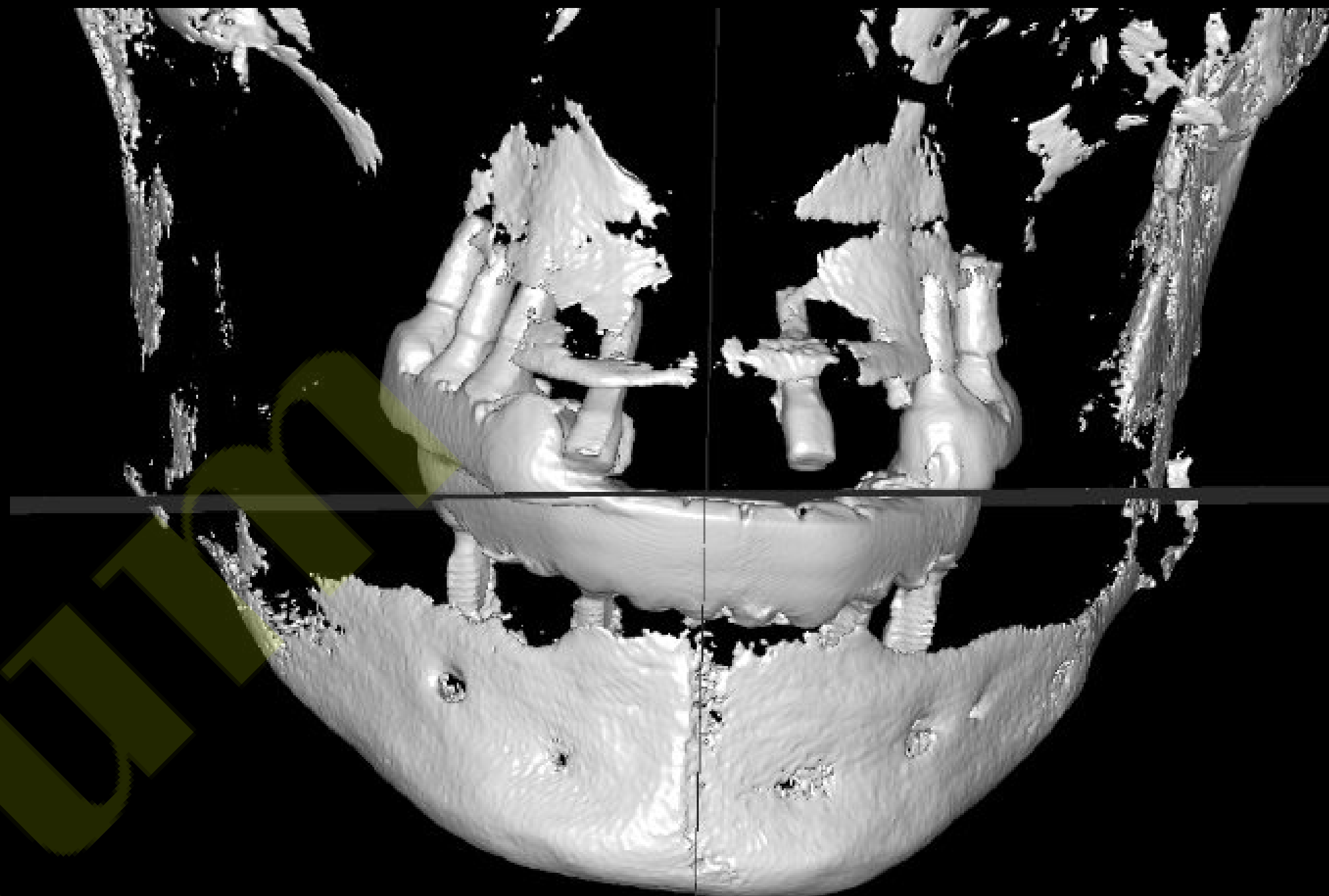
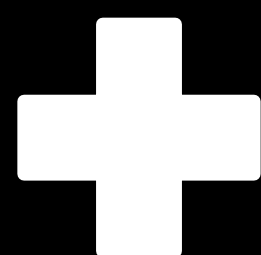
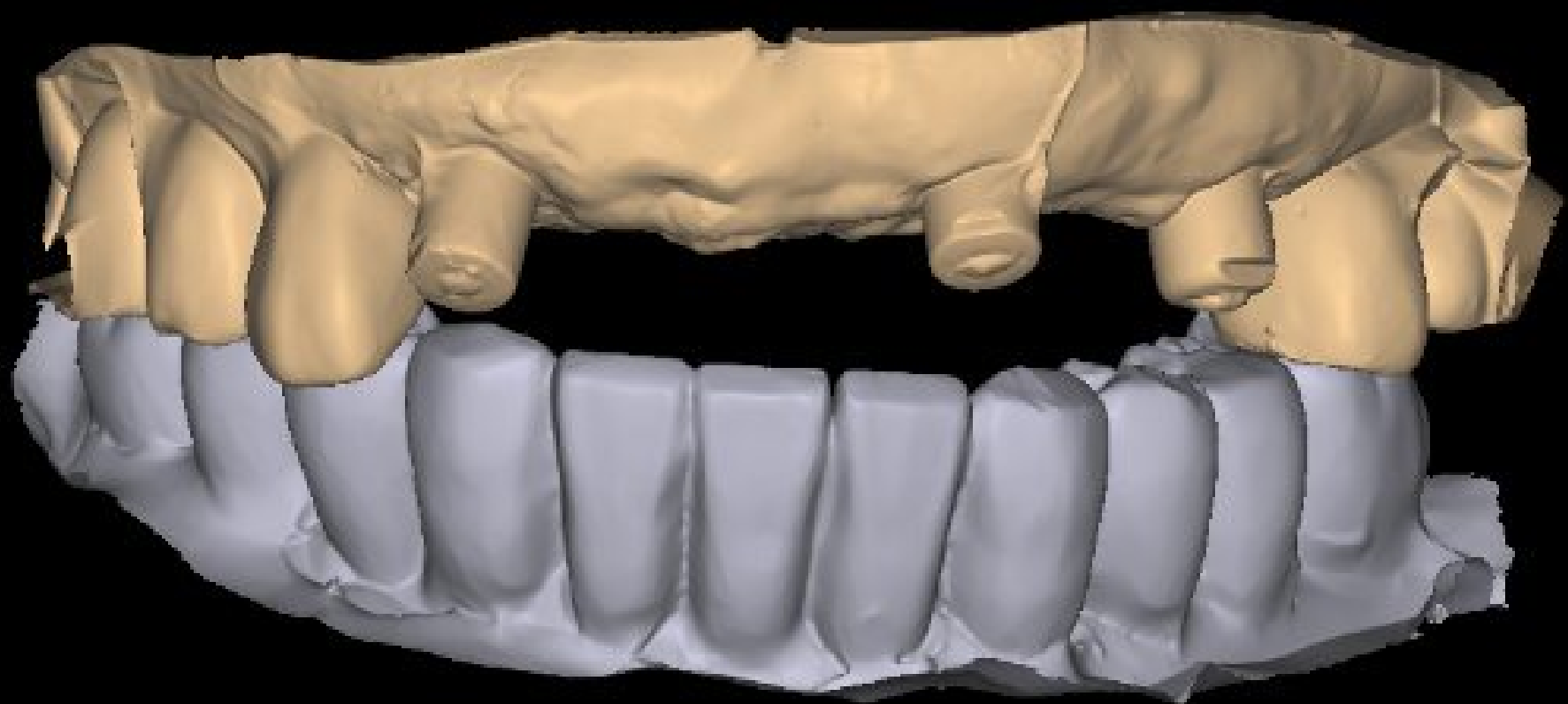
초기화

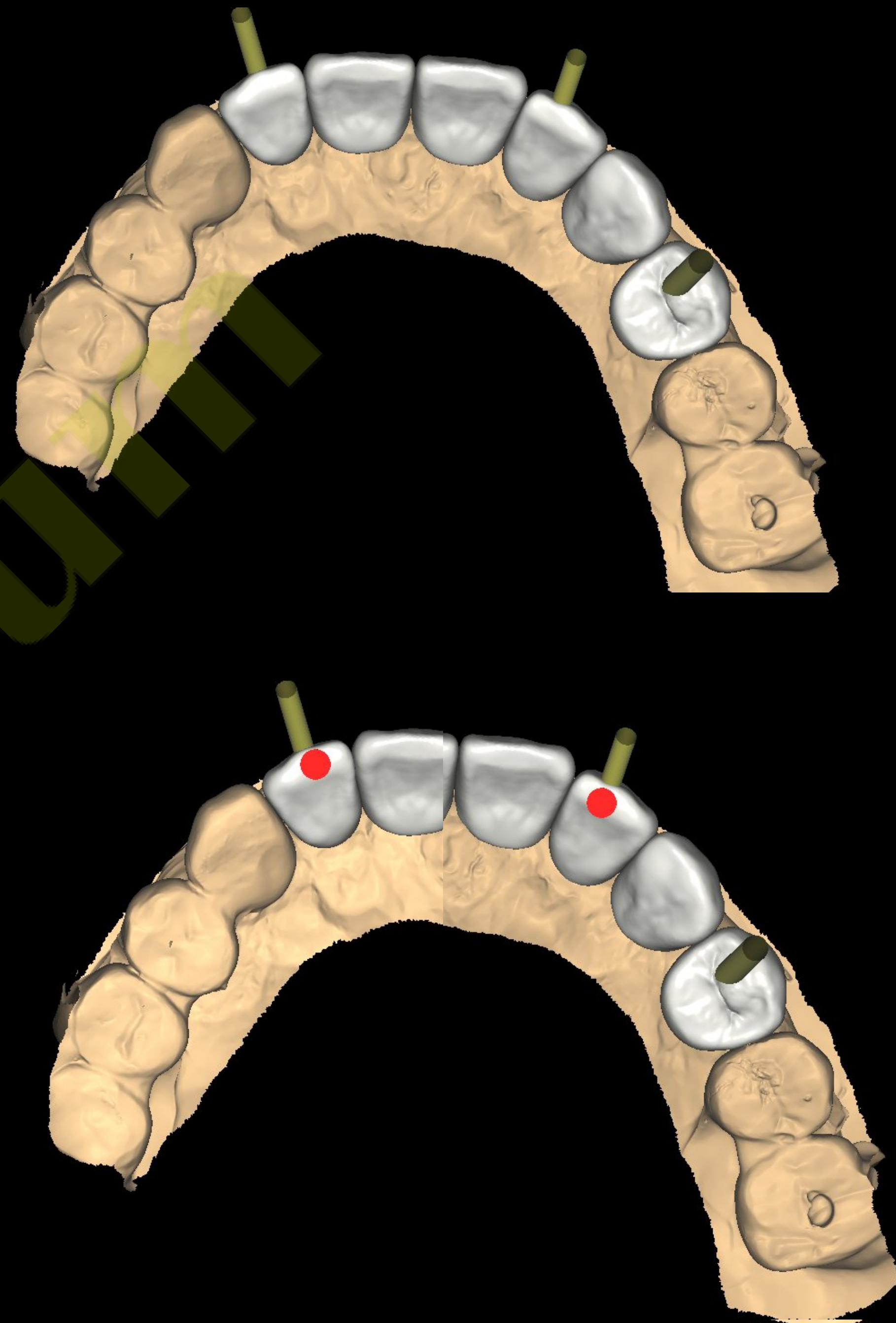
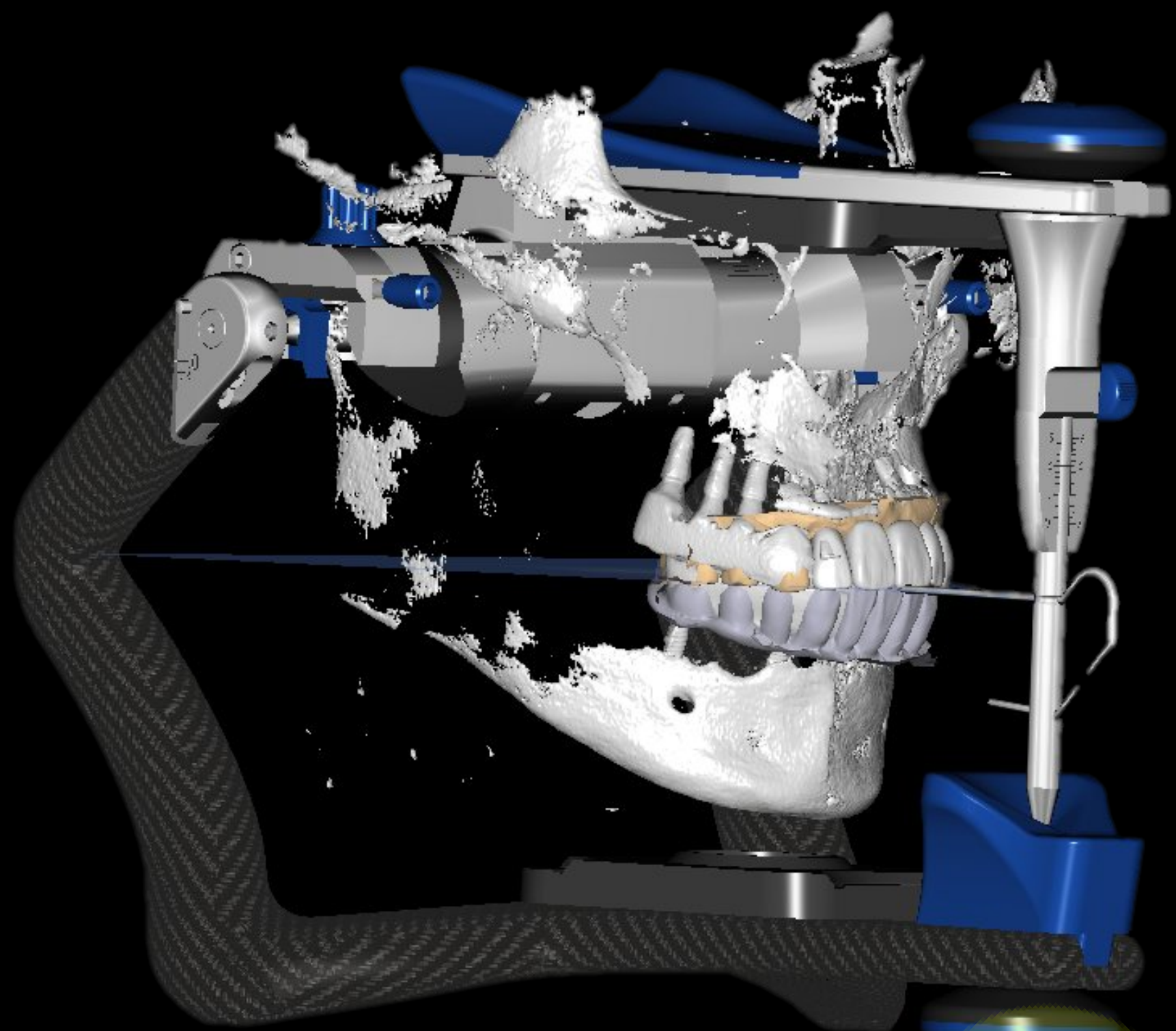
세팔로 마크

정제 초기화

Dentium





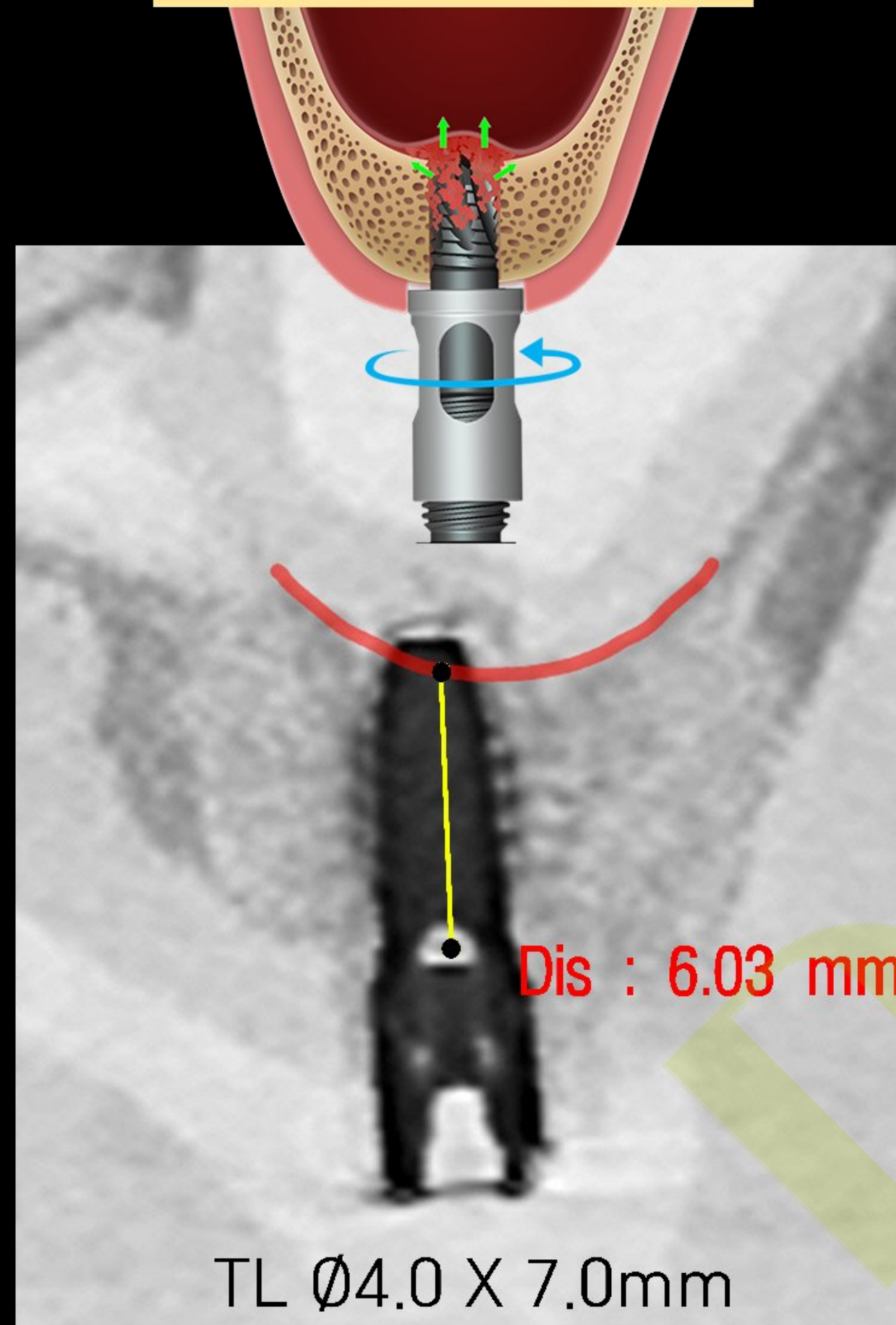


Final prosthesis (2023-03-11)

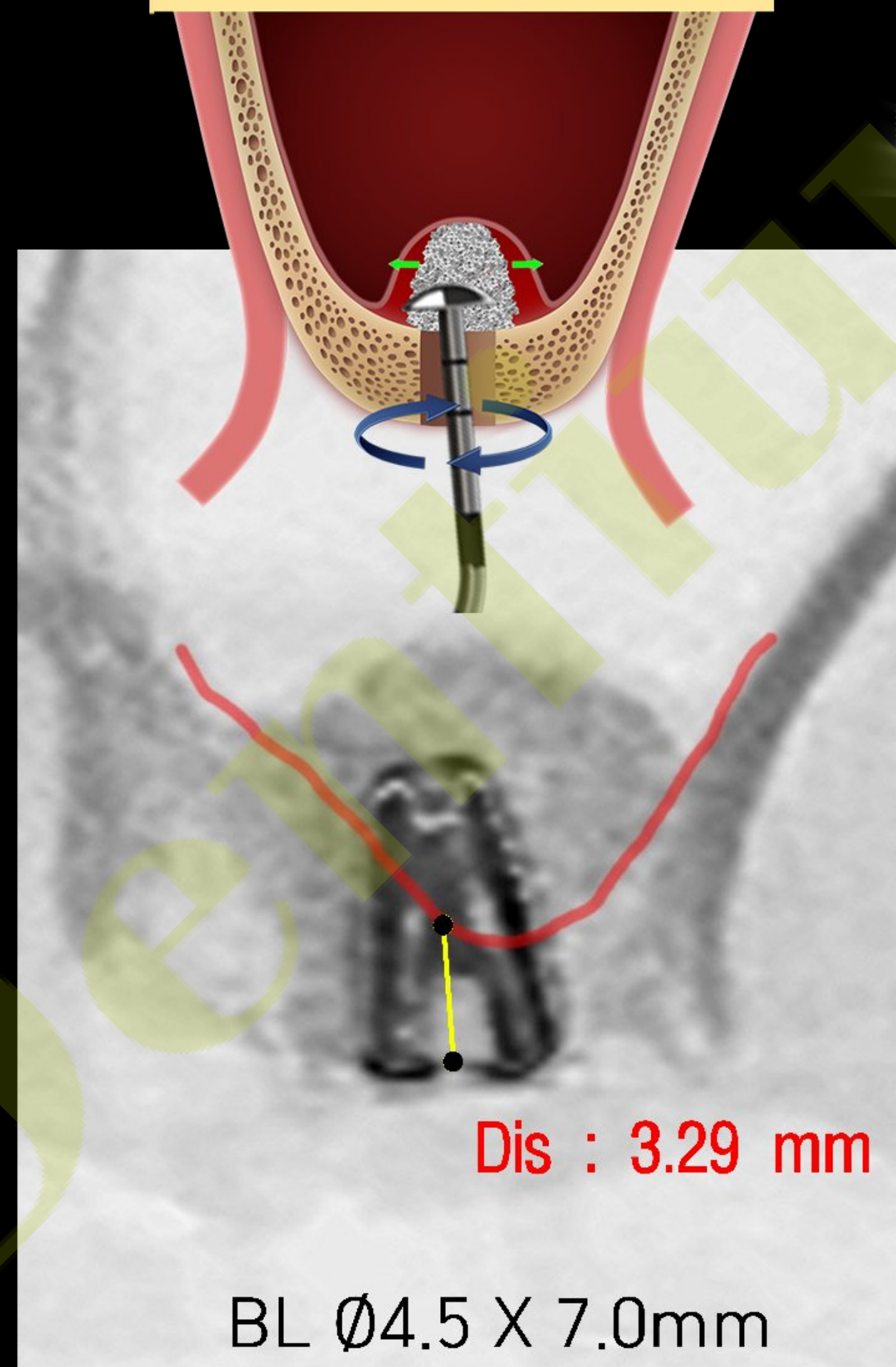


Sinus Minimalism Concept

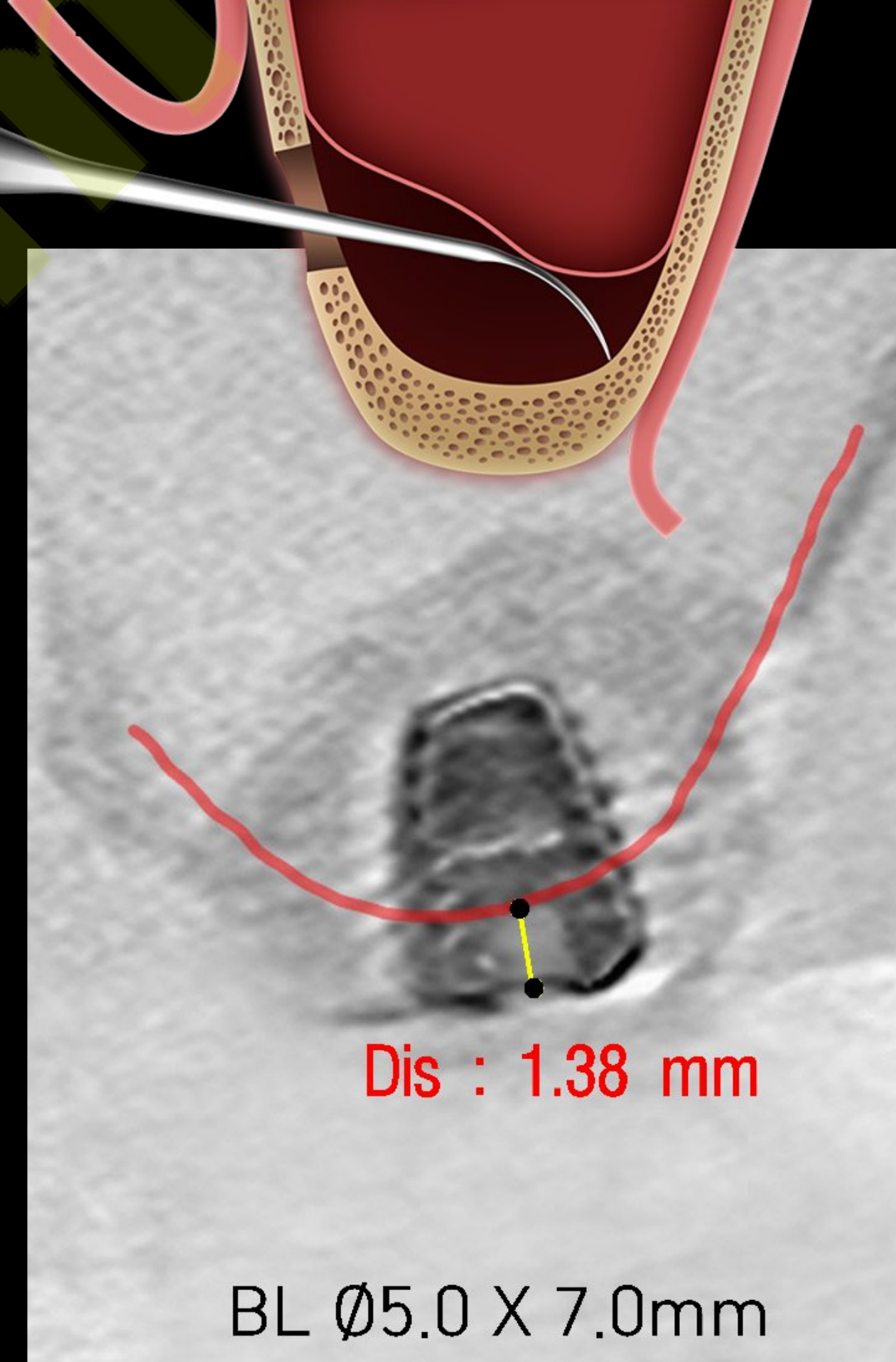
Bicortical fixation



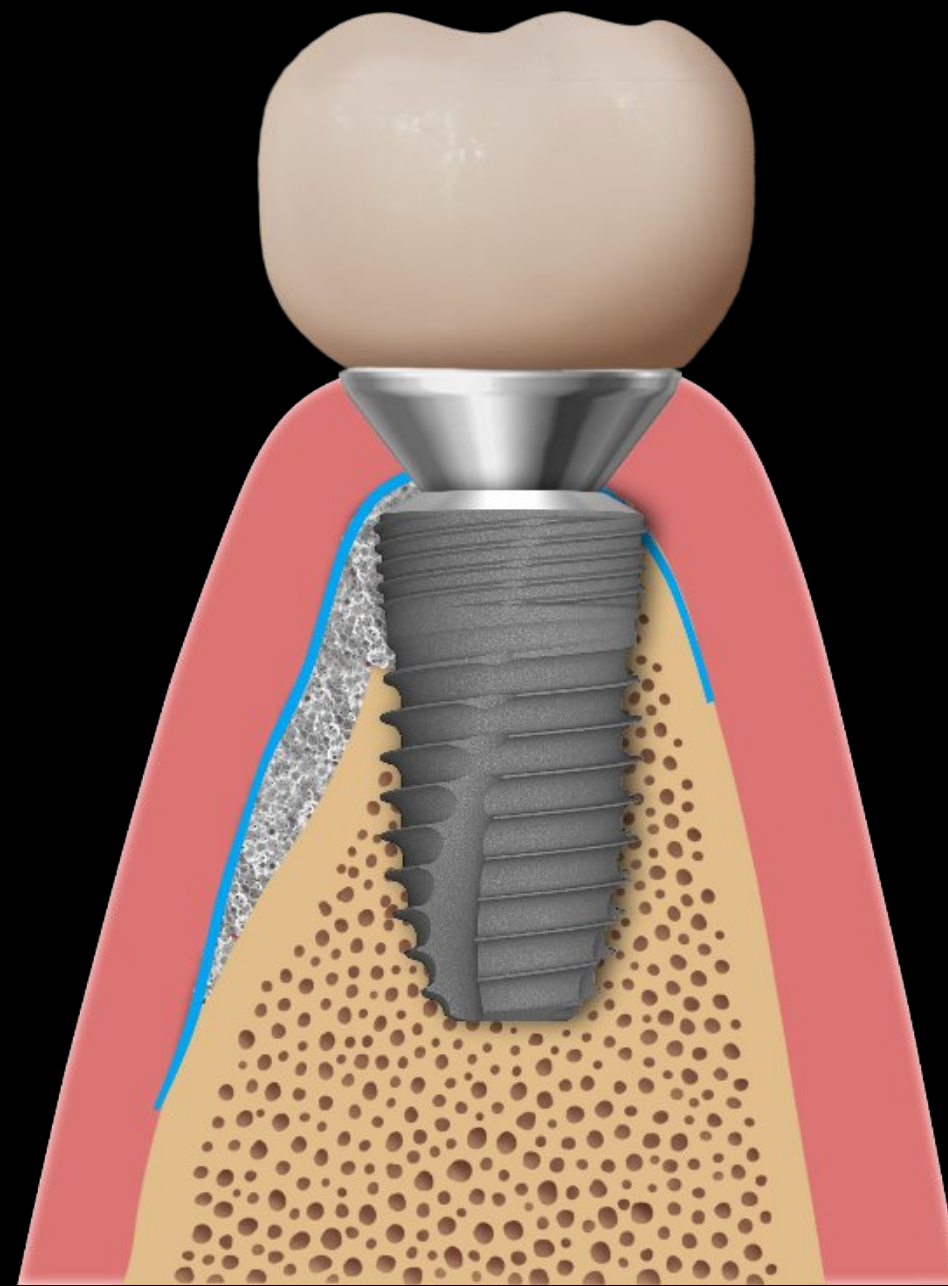
Crestal approach



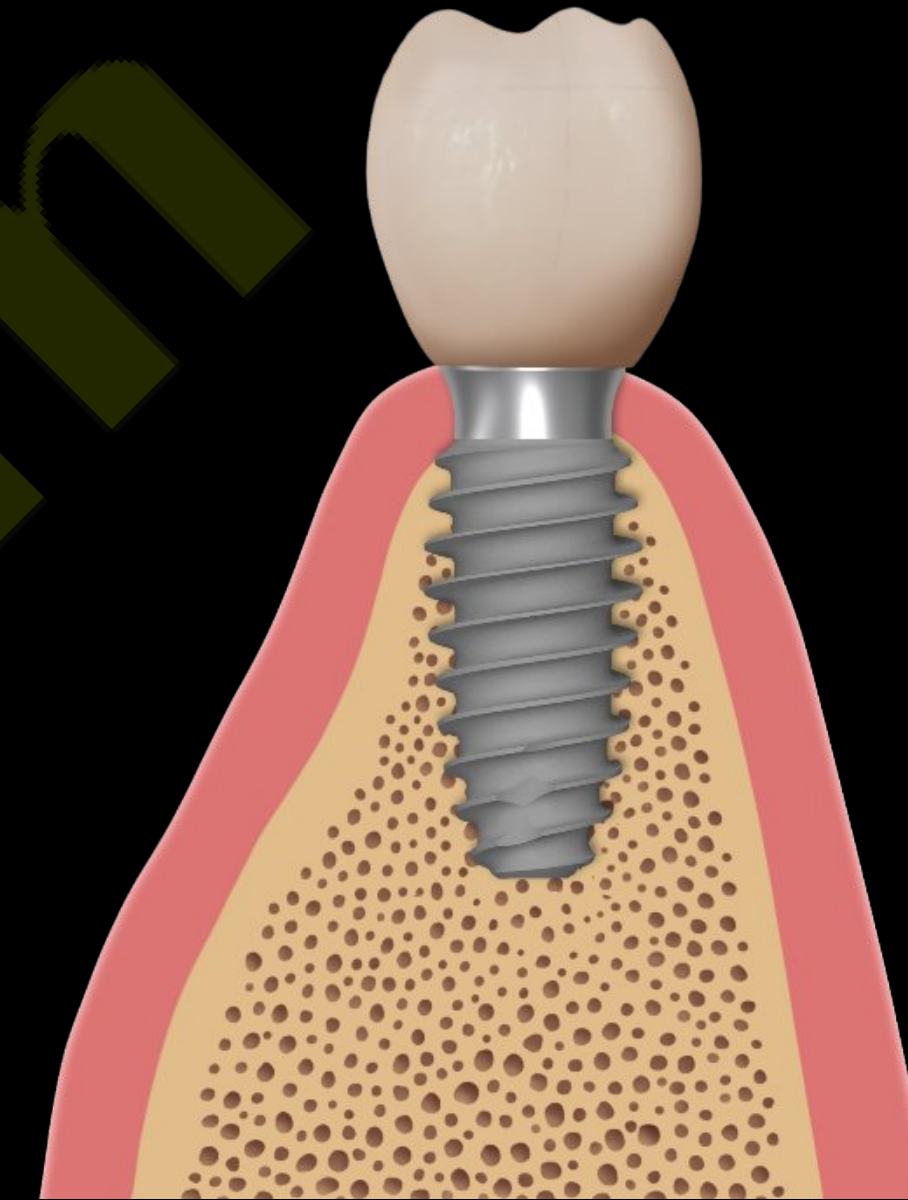
Lateral approach



Minimalism Concept in Prosthesis

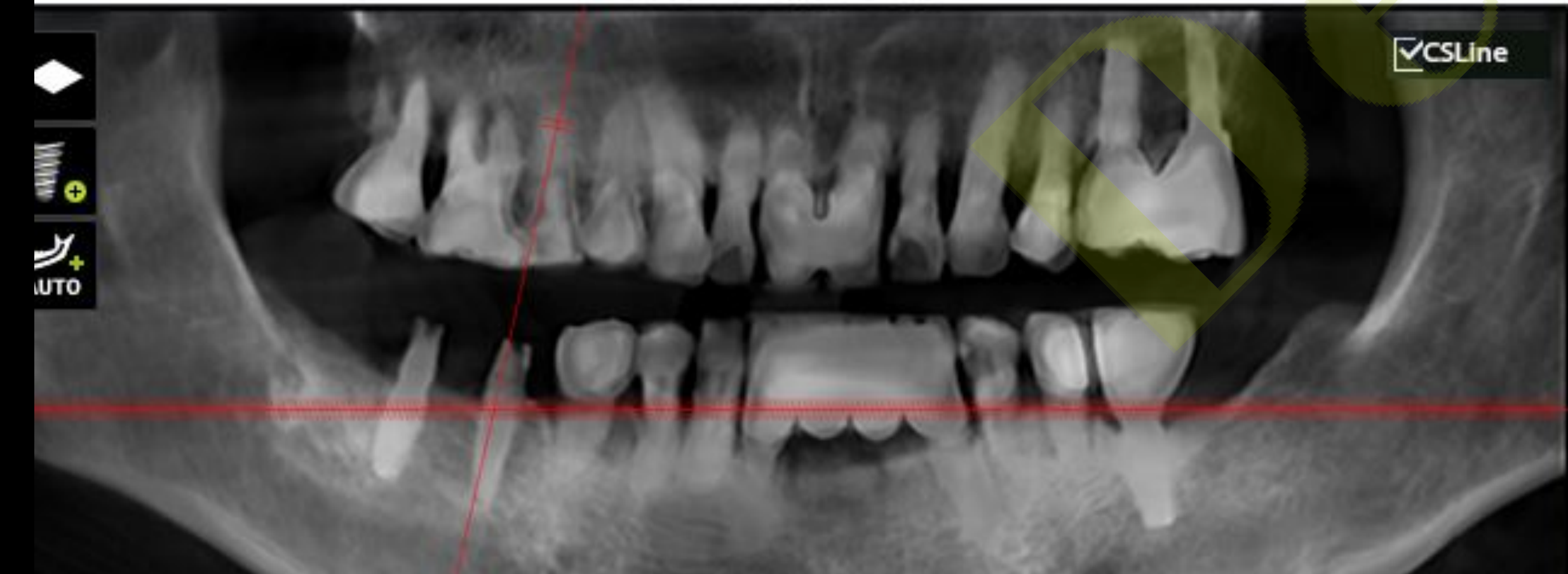
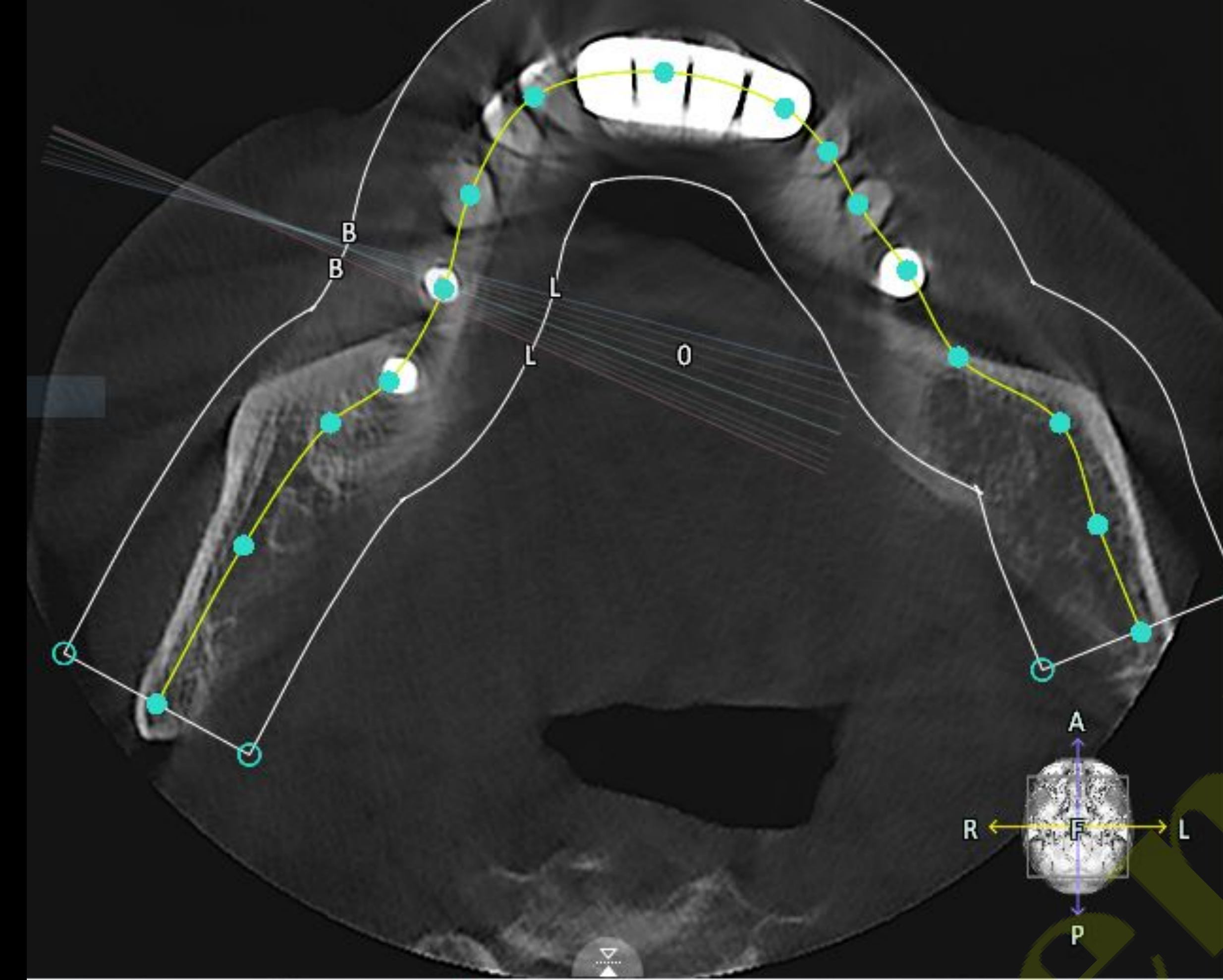


Past

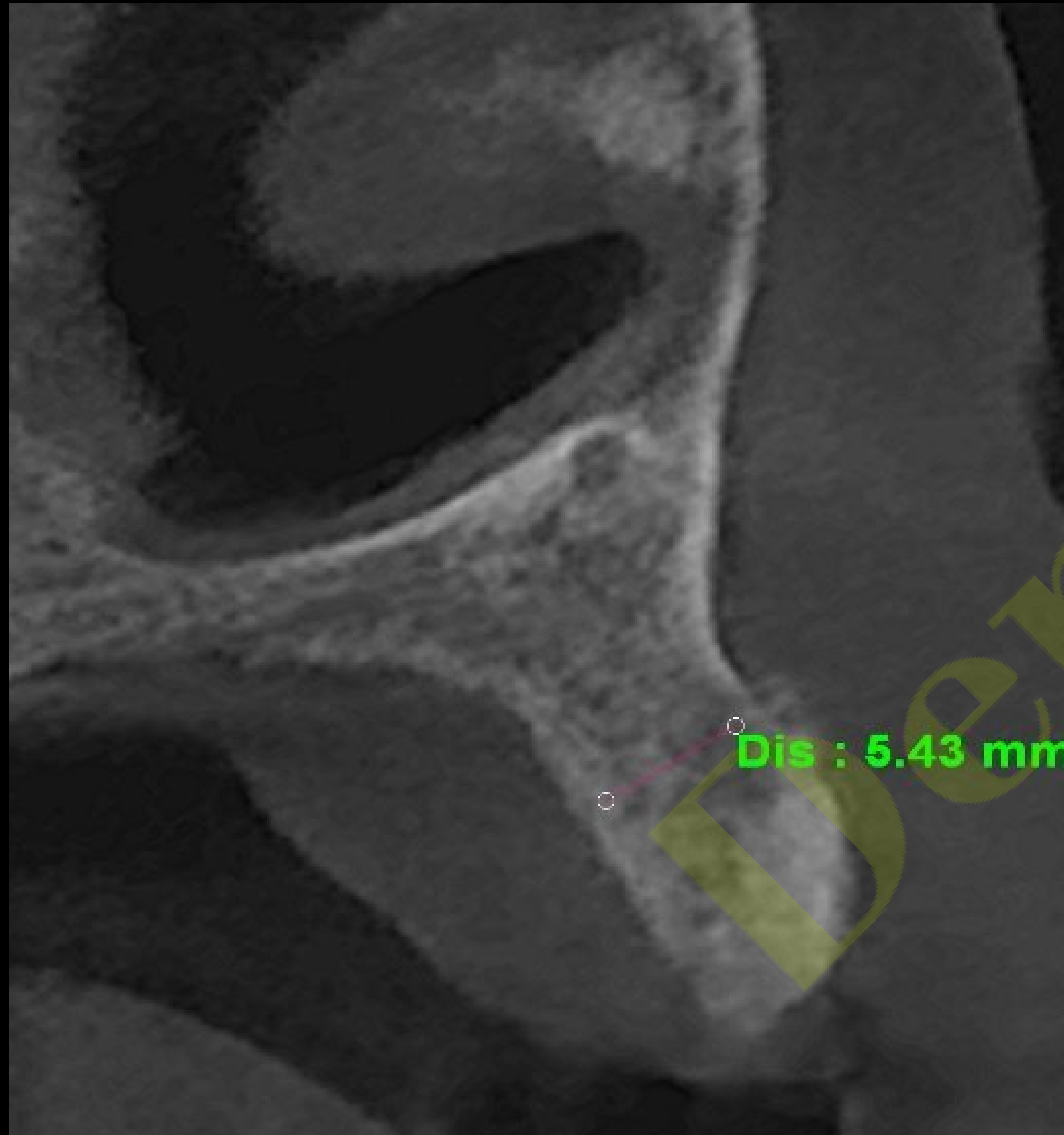


Present

- ✓ minimization of GBR
- ✓ Narrow Implantation



Pre-op CT (2023-06-28)



Post-op CT (2023-06-28)



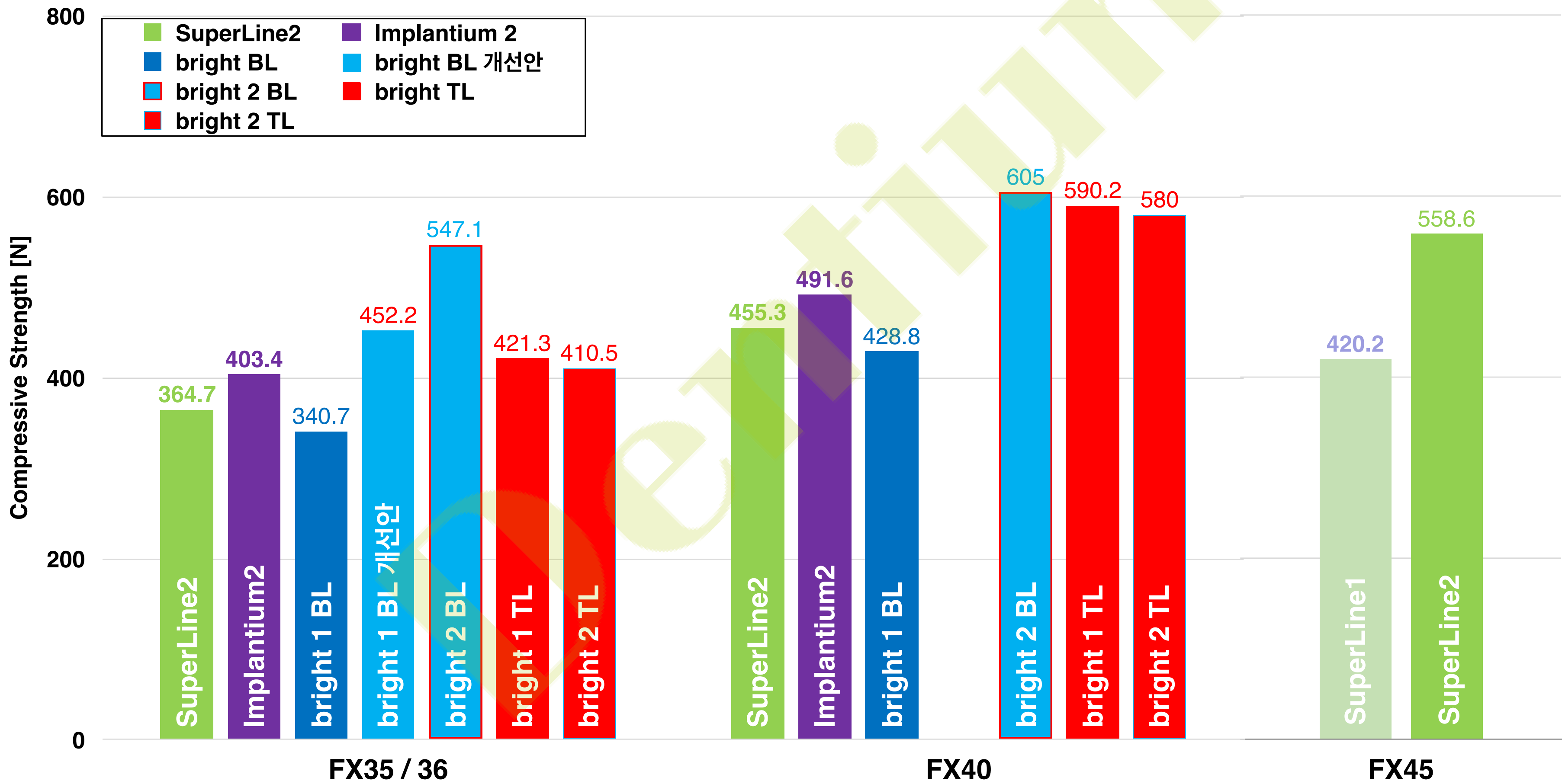
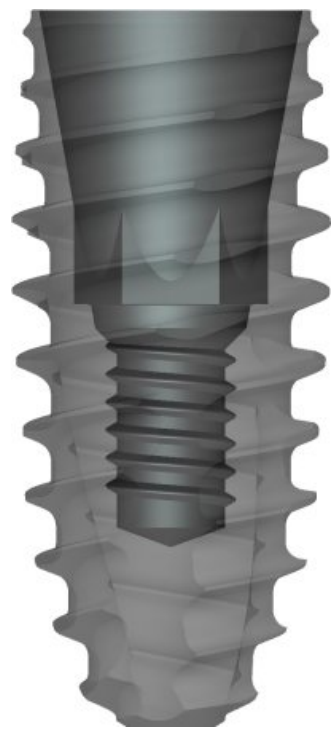
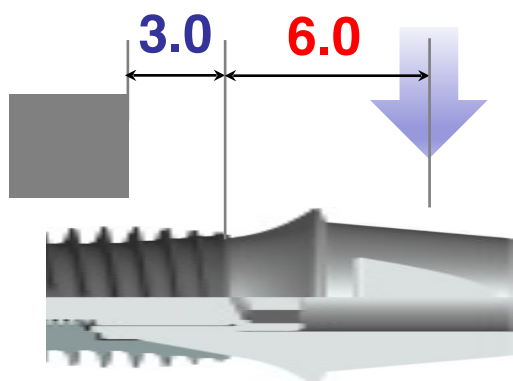
Bright implant system

Bone level

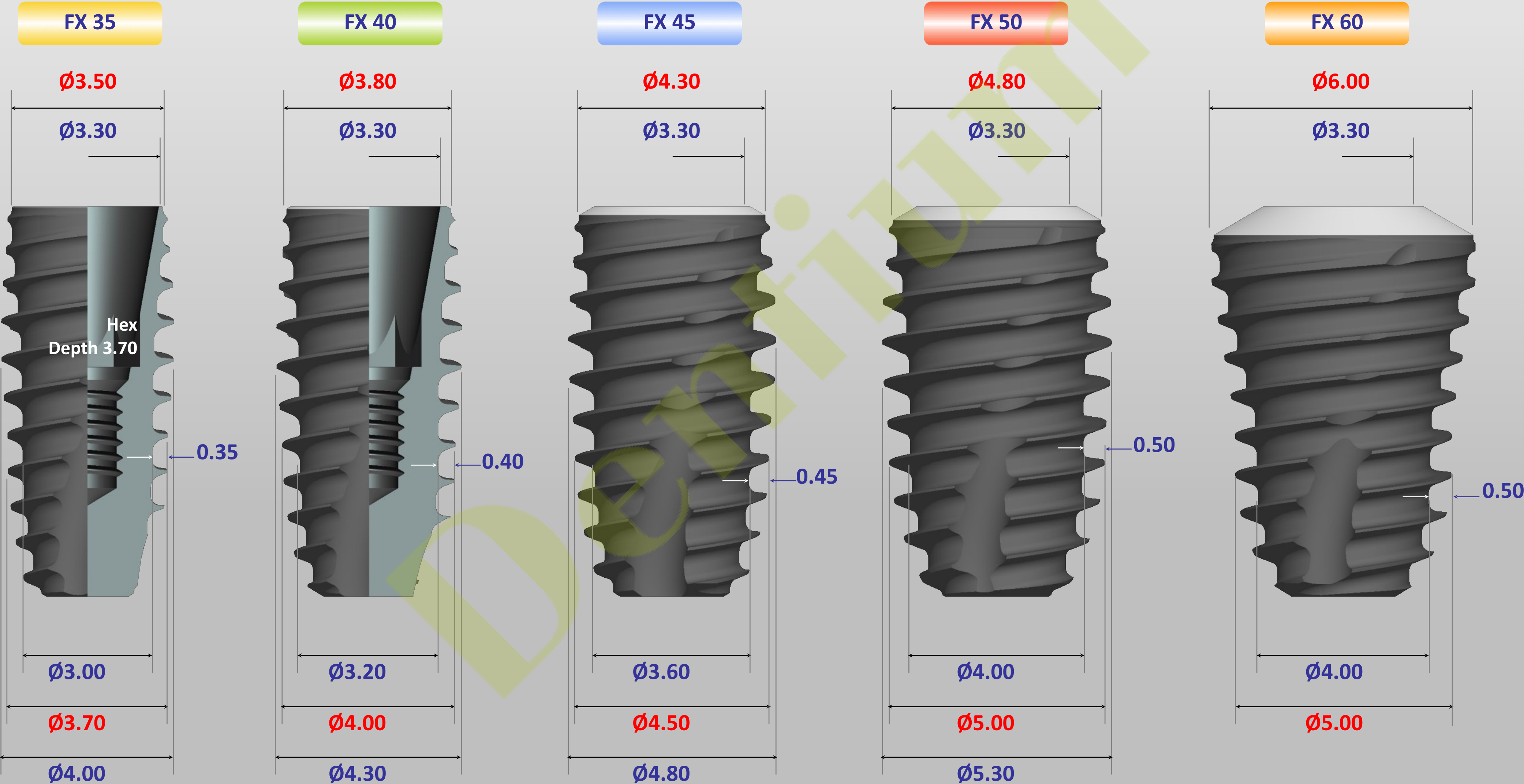
Tissue level

결재	작성	검토	승인
	송병규		

Crosshead Speed
1mm/min

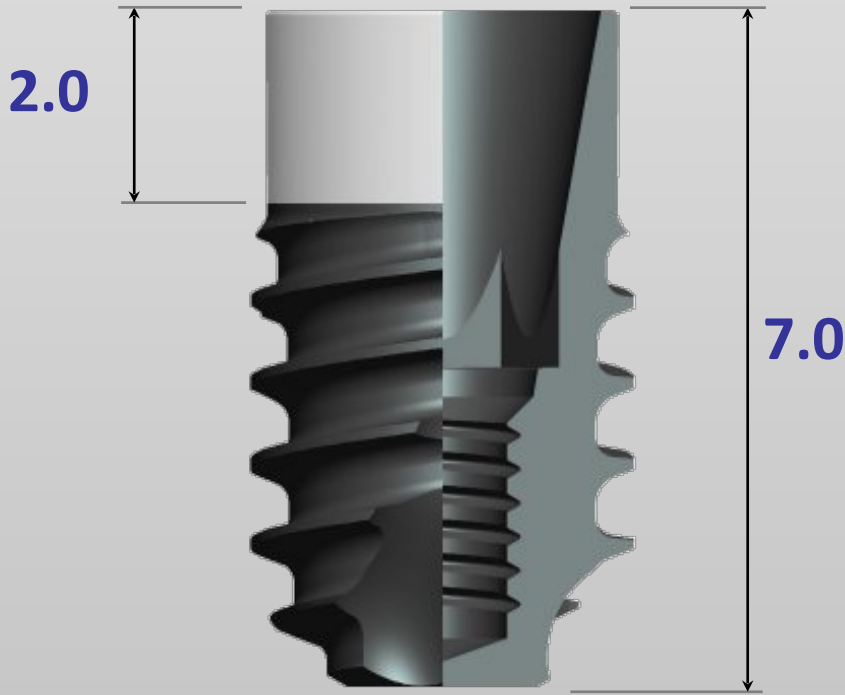


5-Diameters

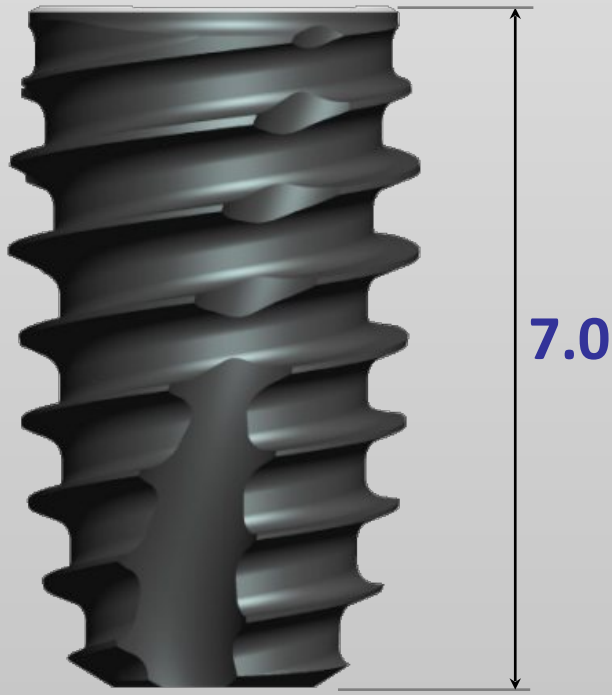


5-Lengths

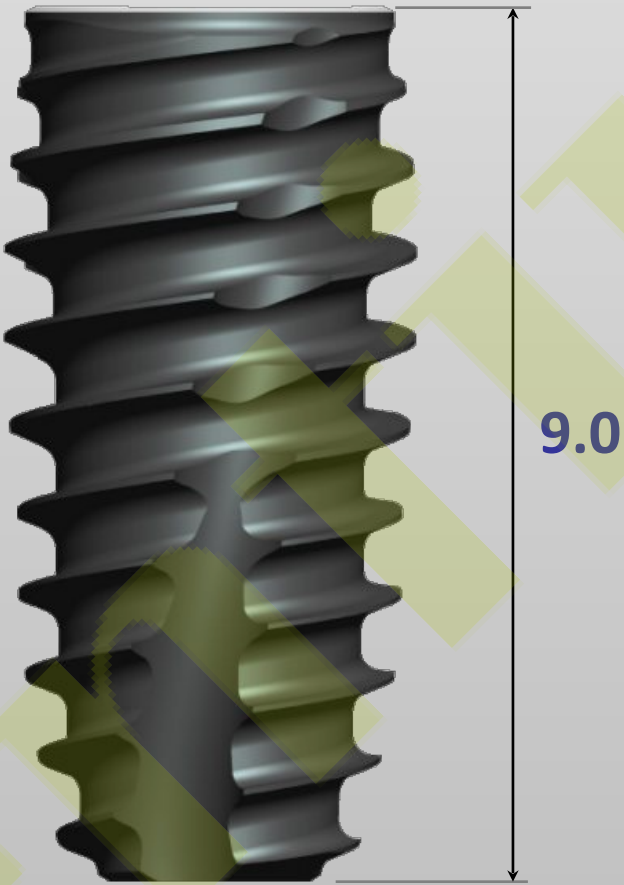
7.0 BS



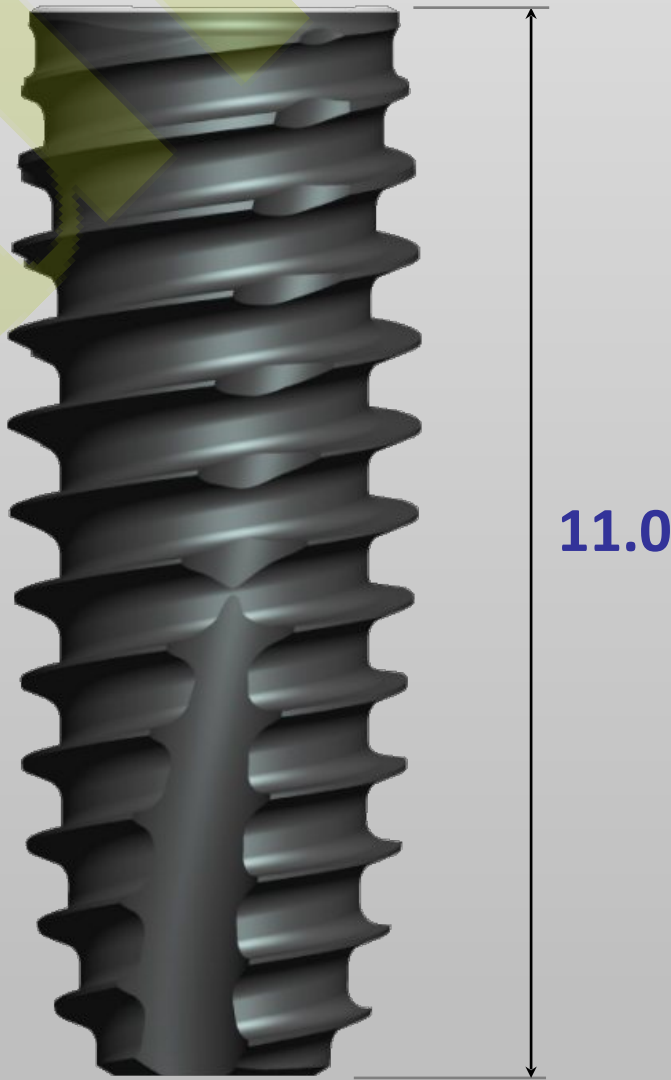
7.0



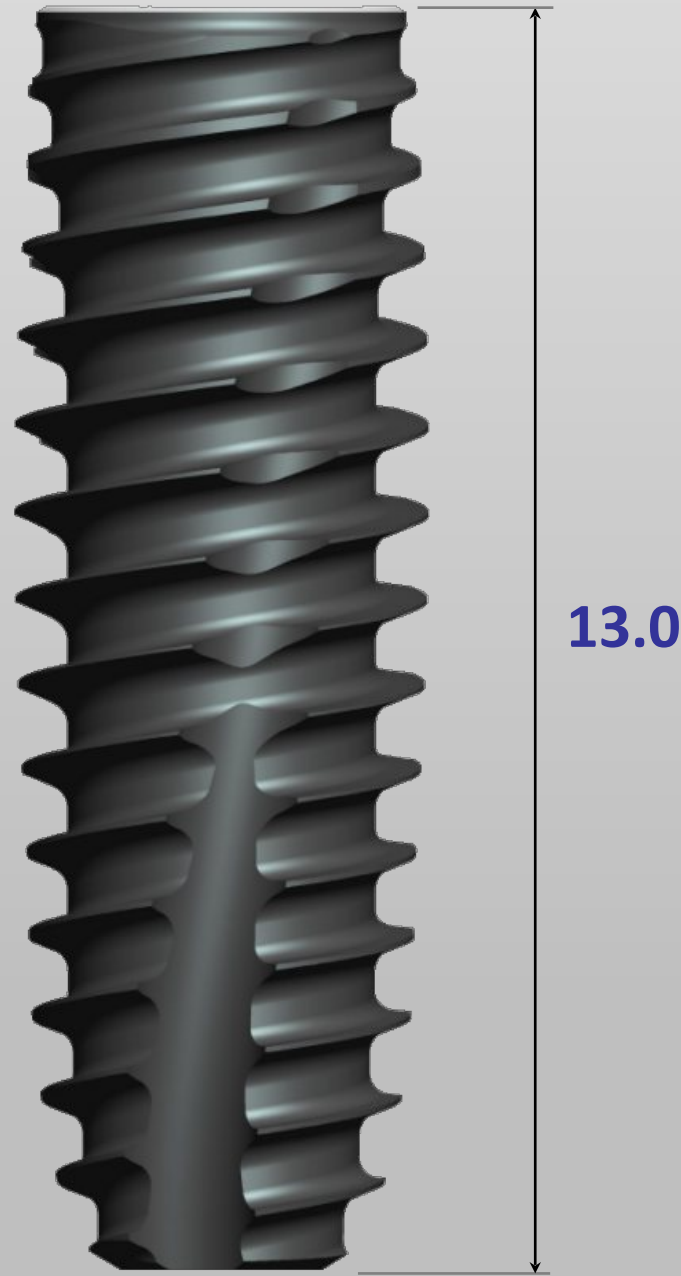
9.0



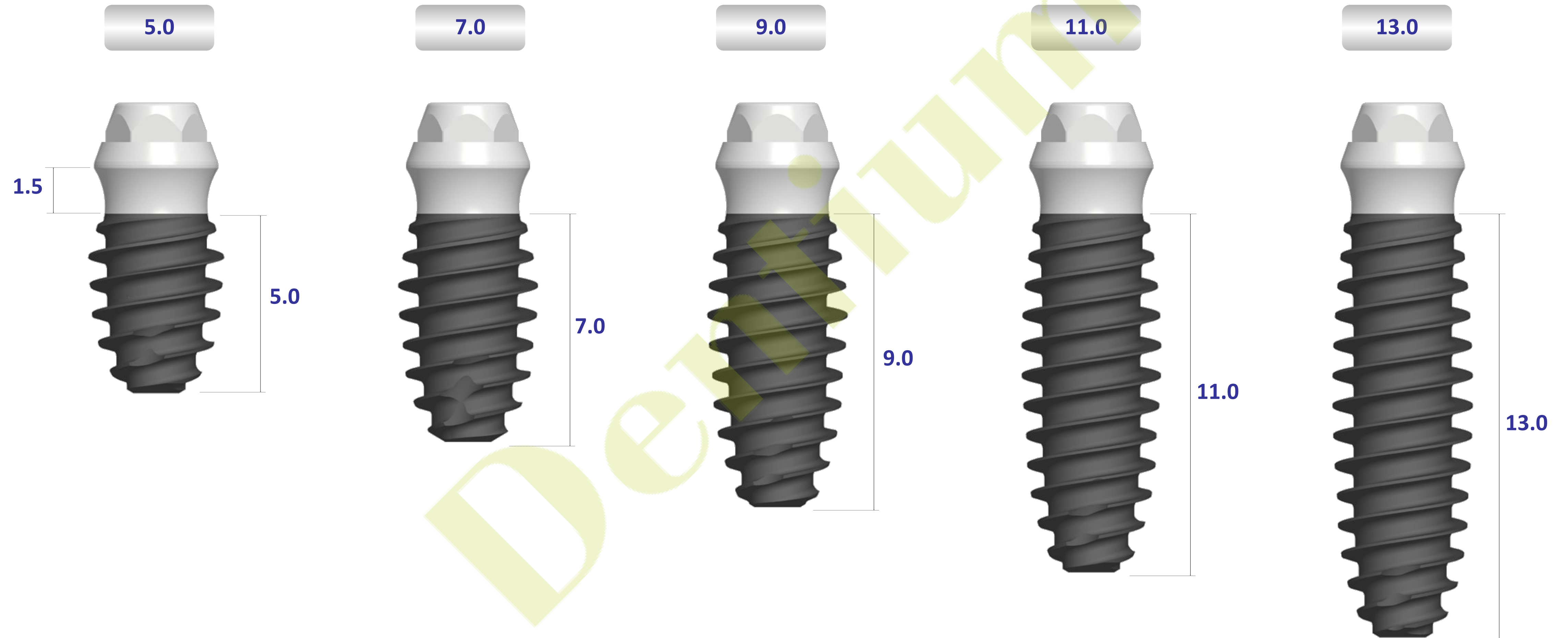
11.0



13



5-Lengths



Indication



Incisor / Canine / Premolar

Premolar / Molar

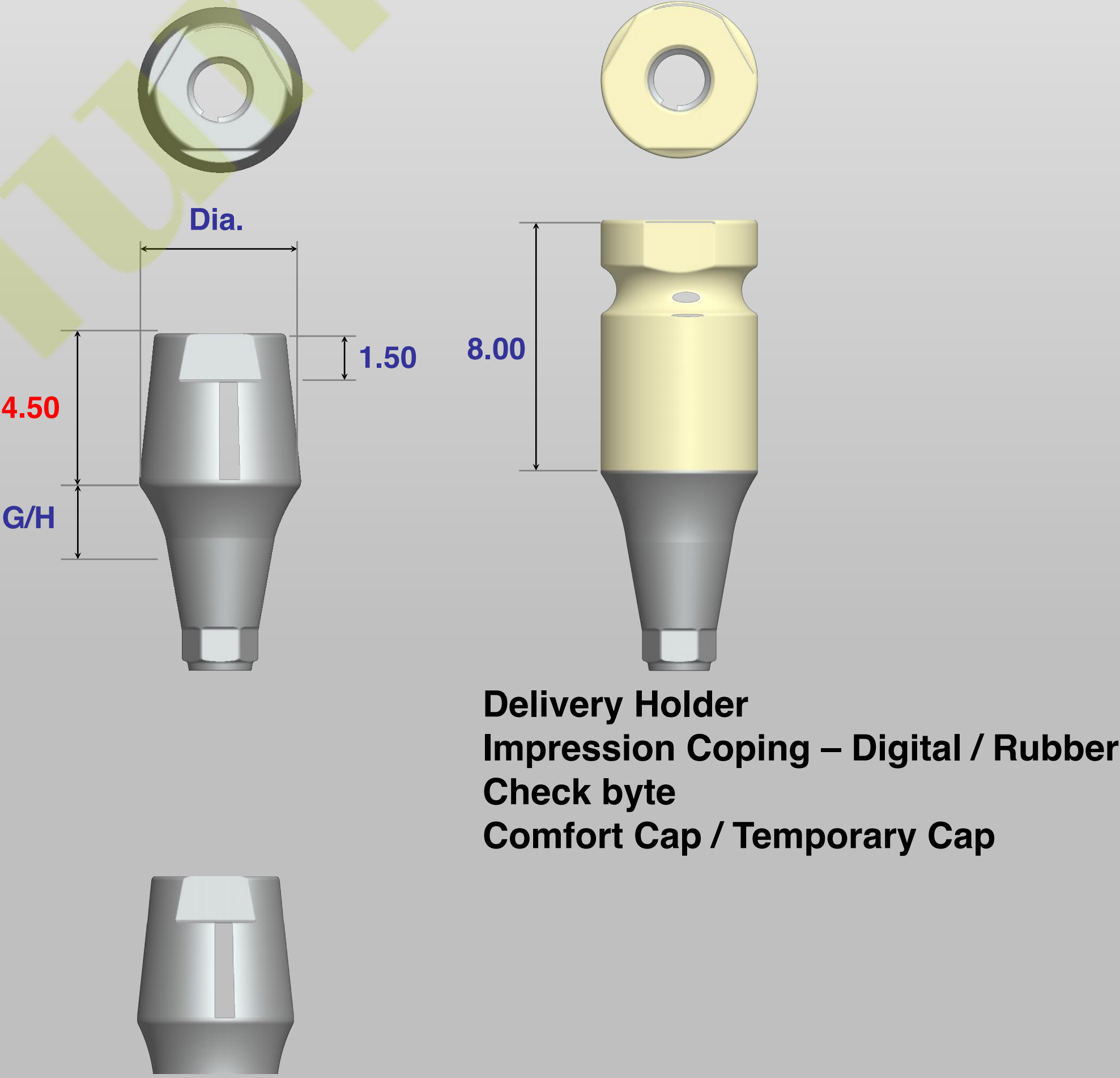
✓ Simple Digital Prosthetic

Digital MetalLink



Scan Abutment

Margin-less Abutment
Healing Abutment



Re definition of implant treatment

High cost

Difficult

Risky

low cost

simple Easy

Safe

Contents

Upper post

Lower post

Upper ant

Lower ant

Edentulous

Orthodontics

Pre-op (2022-05-18)

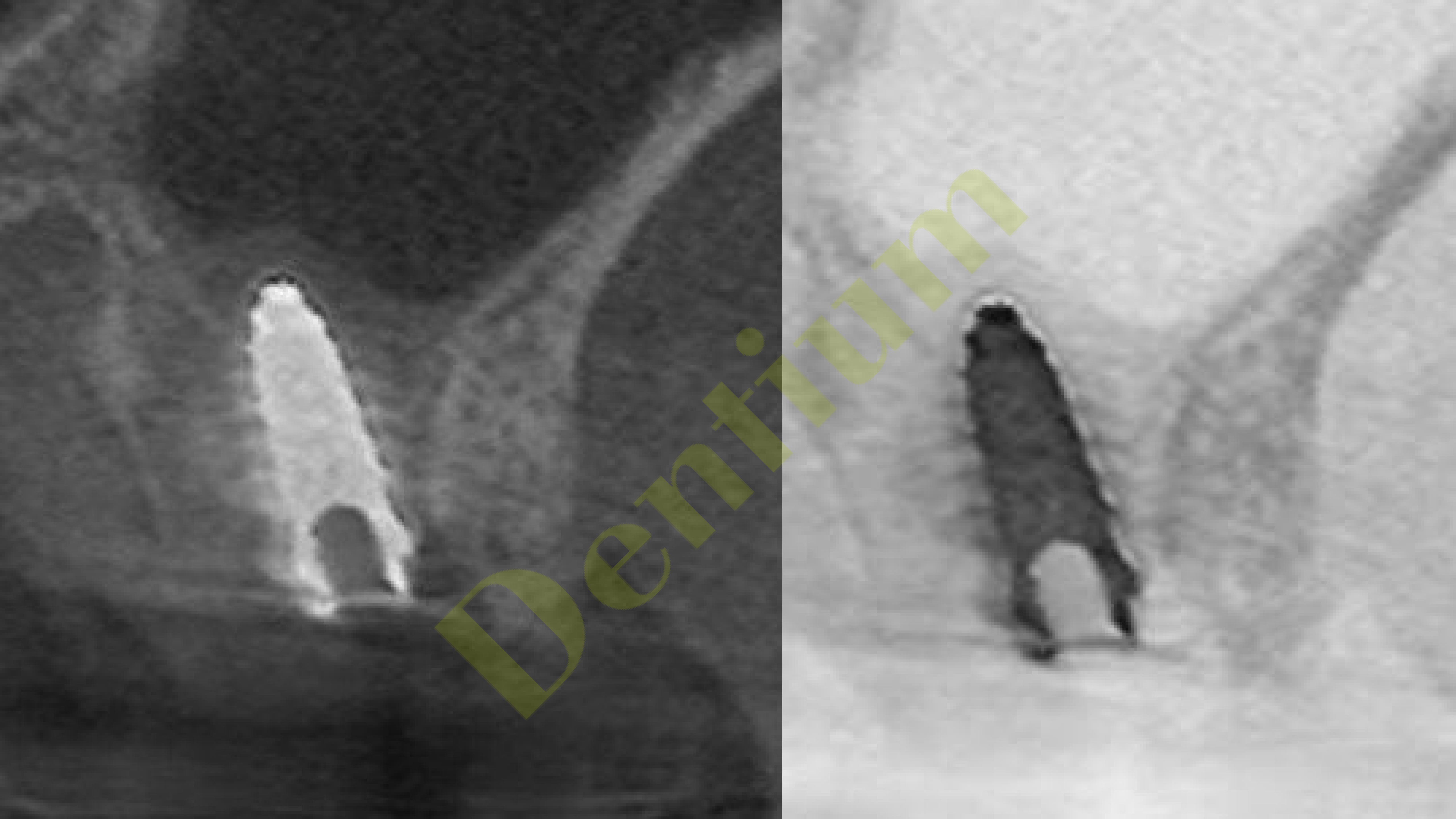


Post-op (2022-05-18)

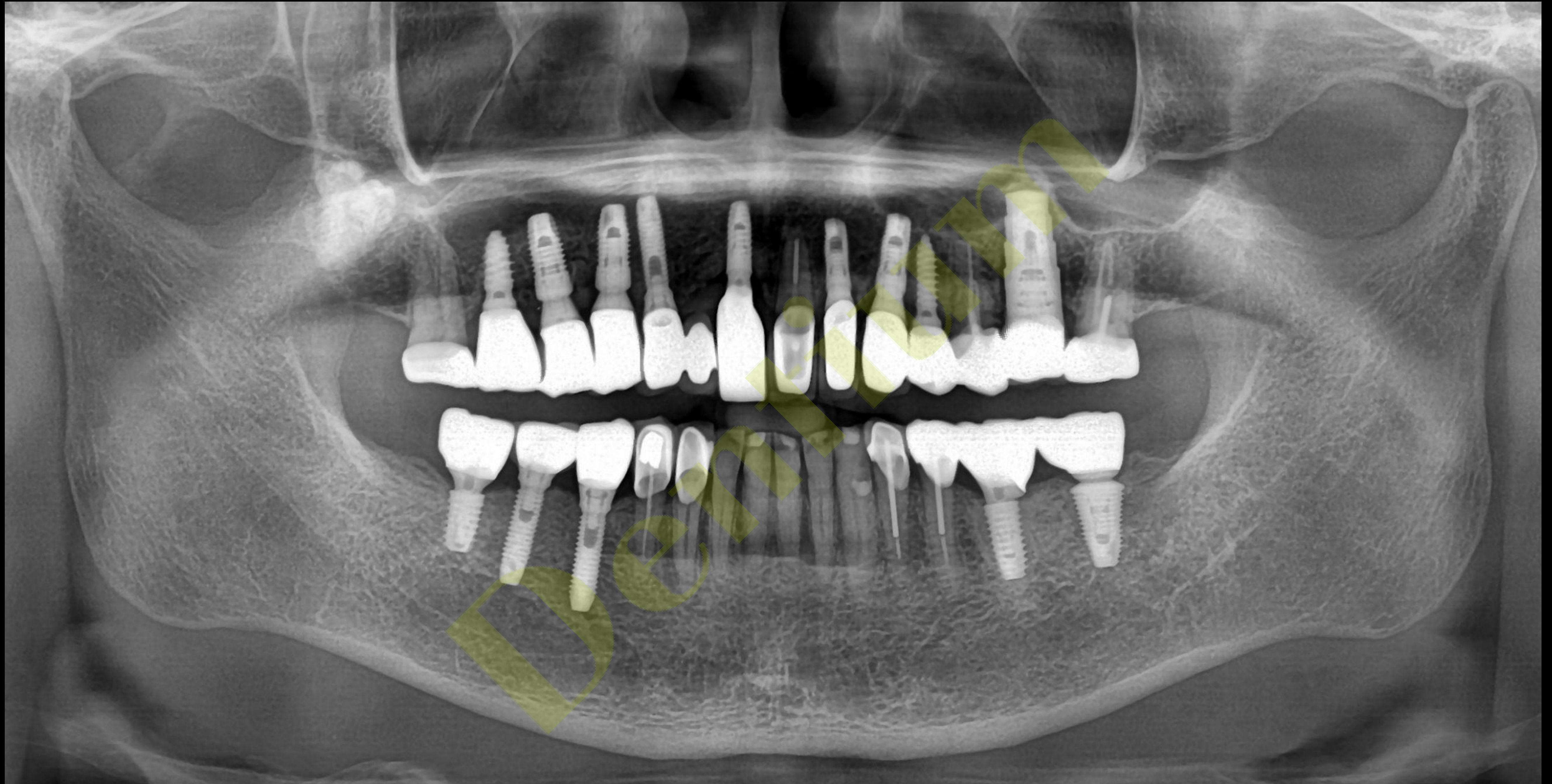


Healing 1 week (After 2nd surgery) (2022-05-26)

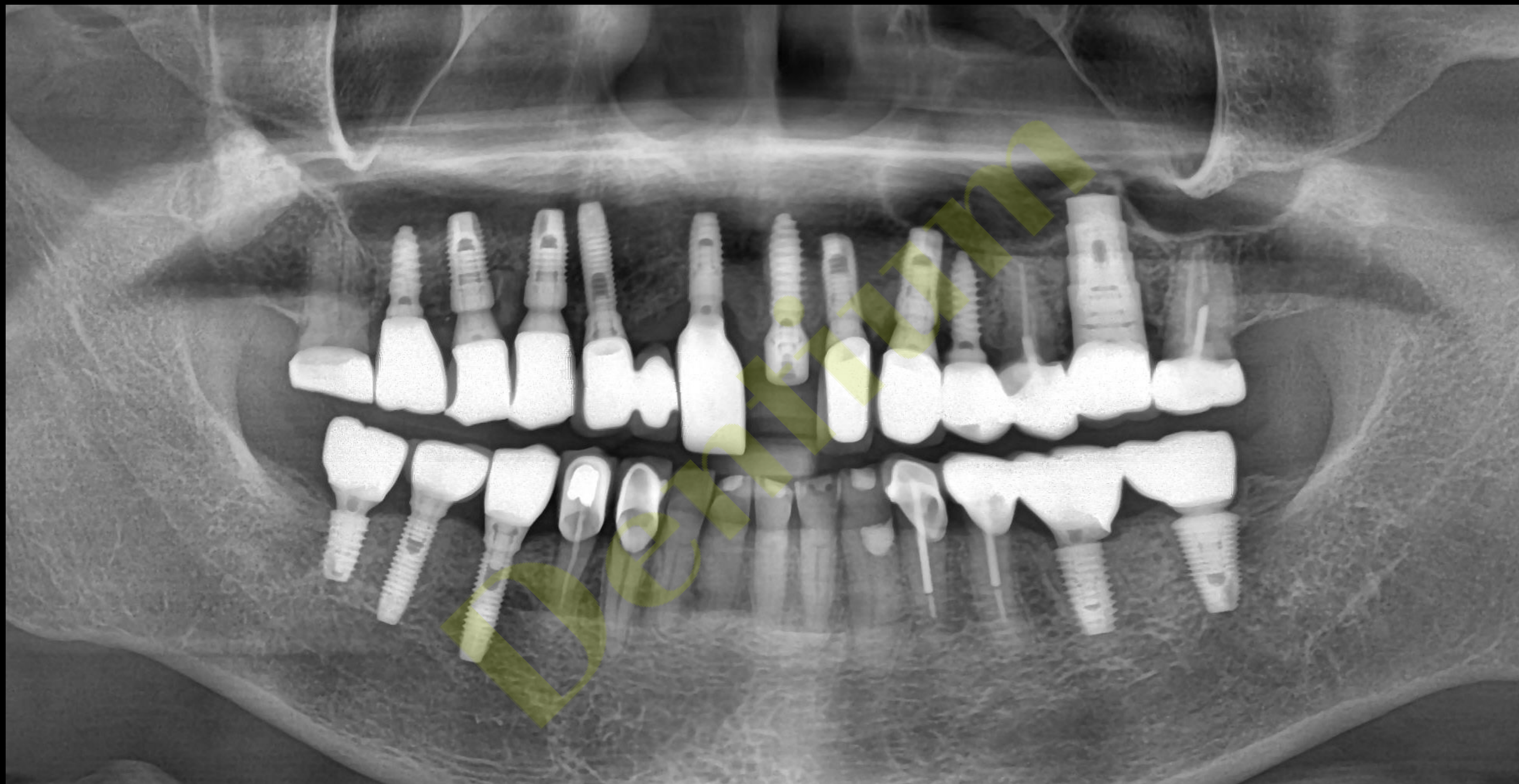




Final prosthesis (2022-07-07)



Follow up 3 months (2022-10-13)



Follow up 3 months (2022-10-05)



Follow up 10 months (2023-03-02)



Follow up 10 months (2023-03-02)



Healing 1 week (After 2nd surgery) (2022-06-23)



Final prosthesis (2022-07-07)



Follow up (2022-10-05)



Oral exam



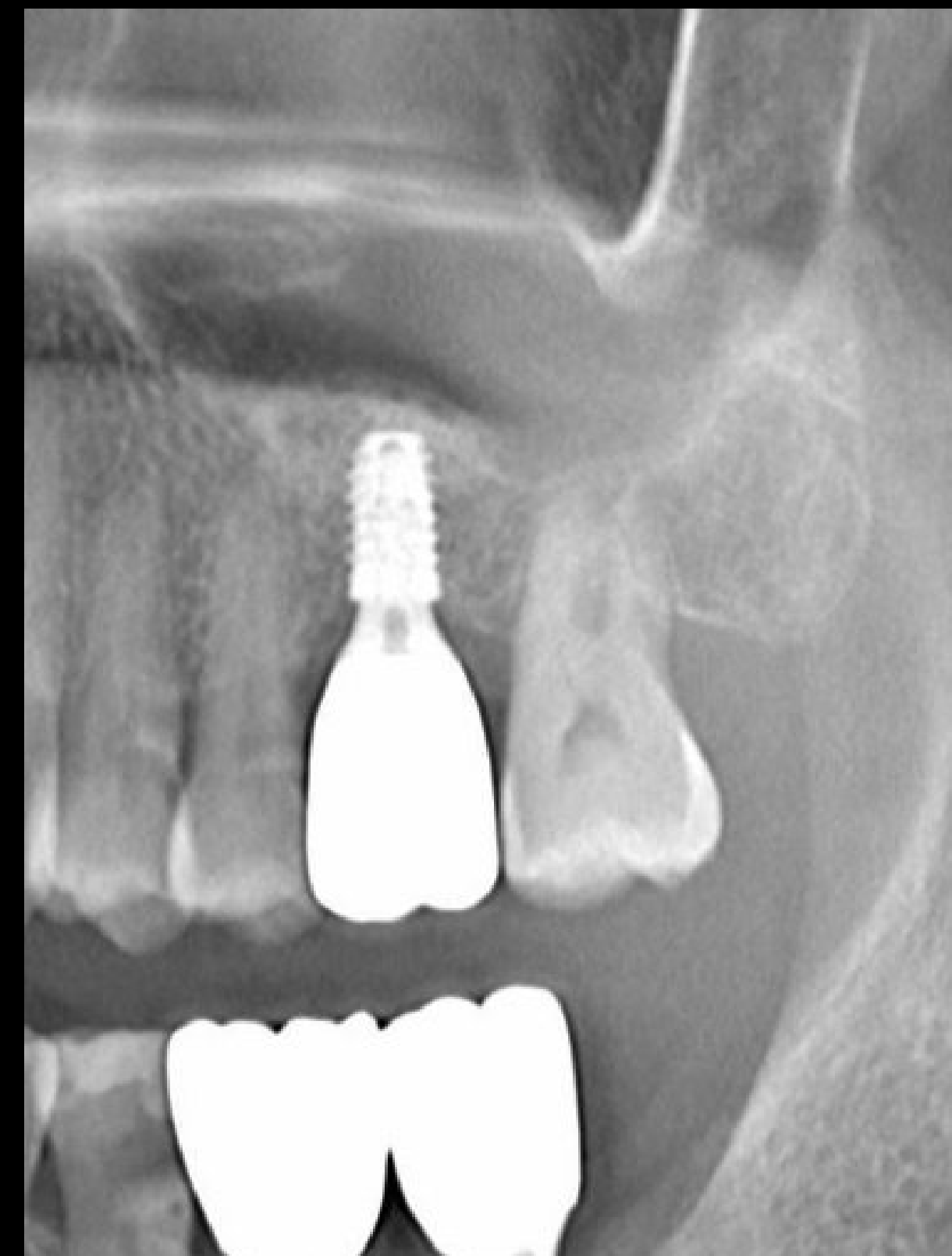
Pre-op



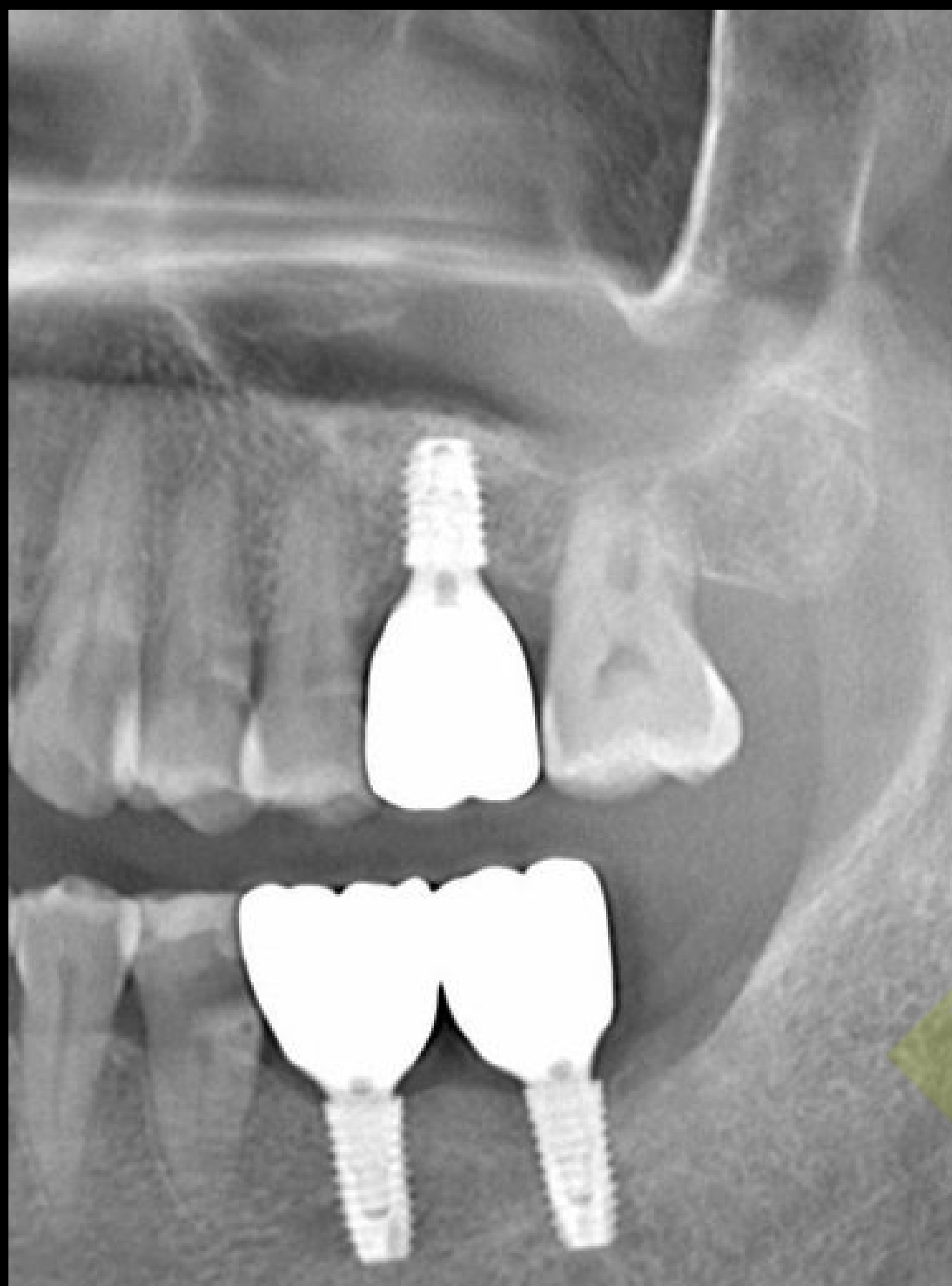
Post-op



Final



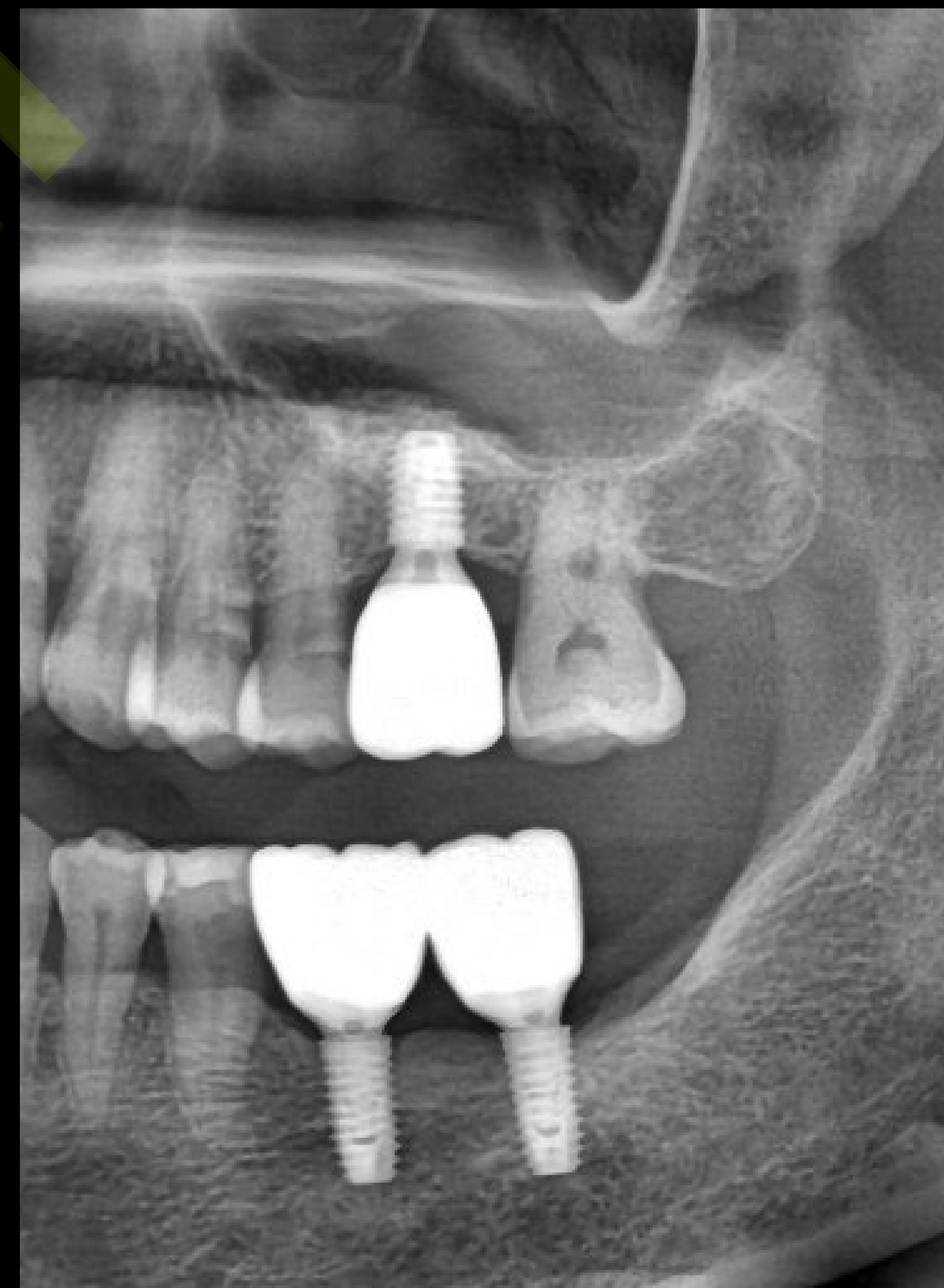
4 M



1Y 4M



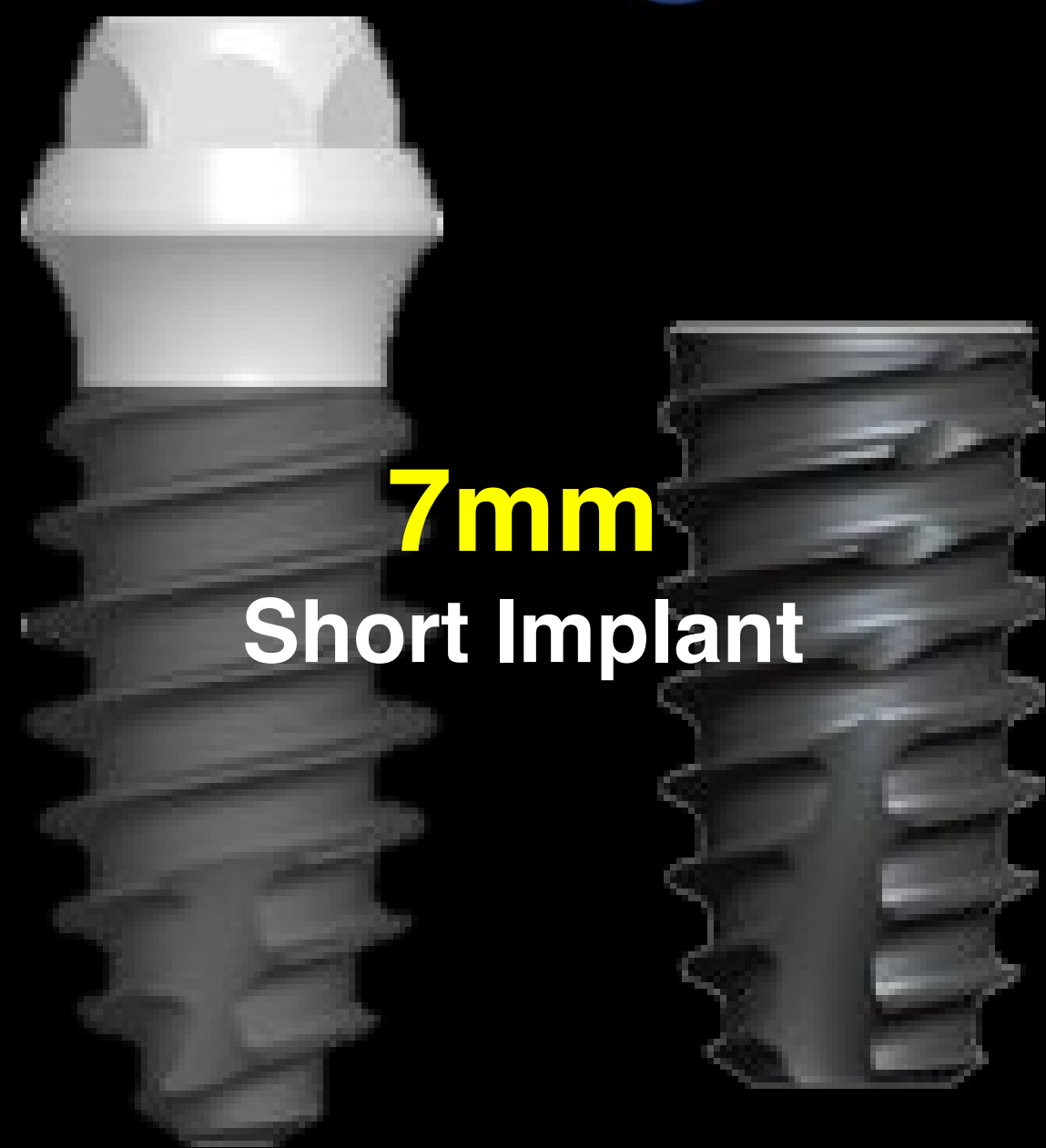
2Y 5M



bright BL (Ø4.5 X 7.0)

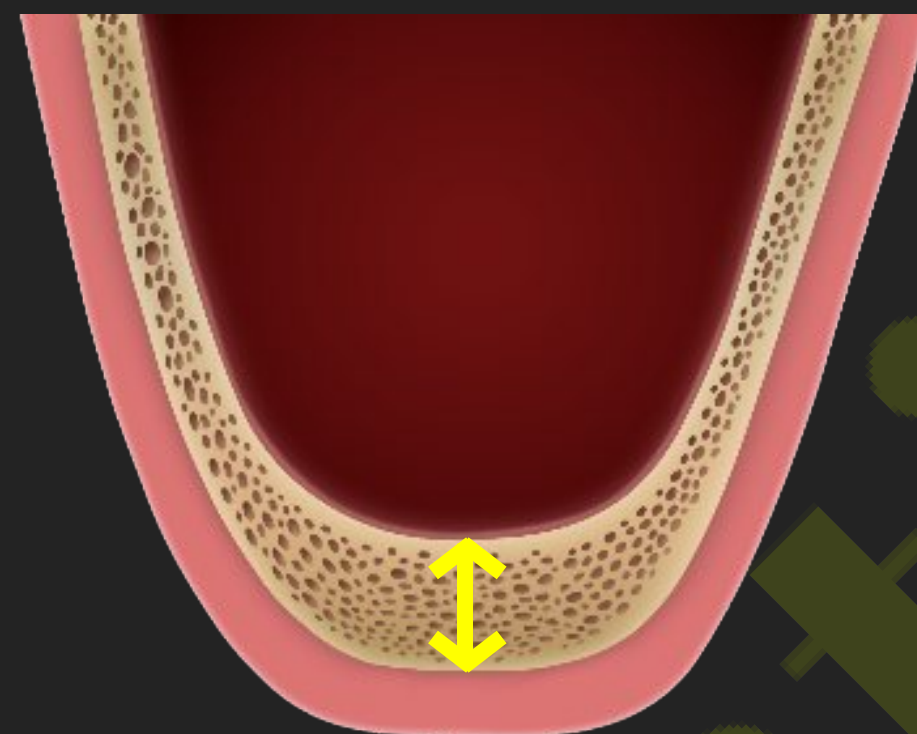
Sinus Minimalism Concept

bright



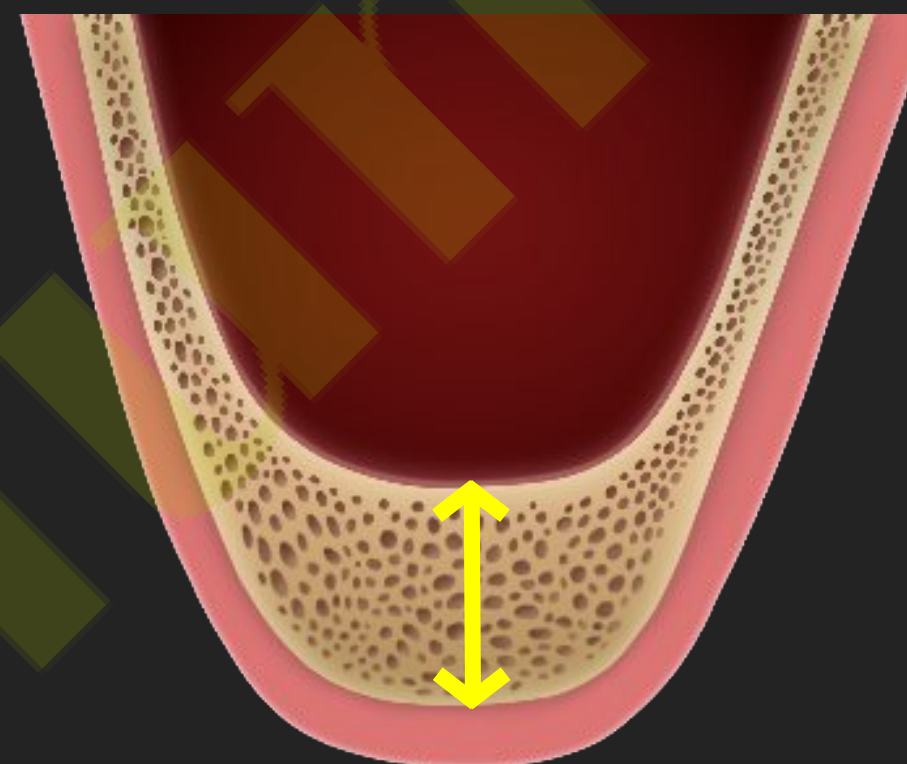
Tissue Level Bone Level

1 – 3 mm



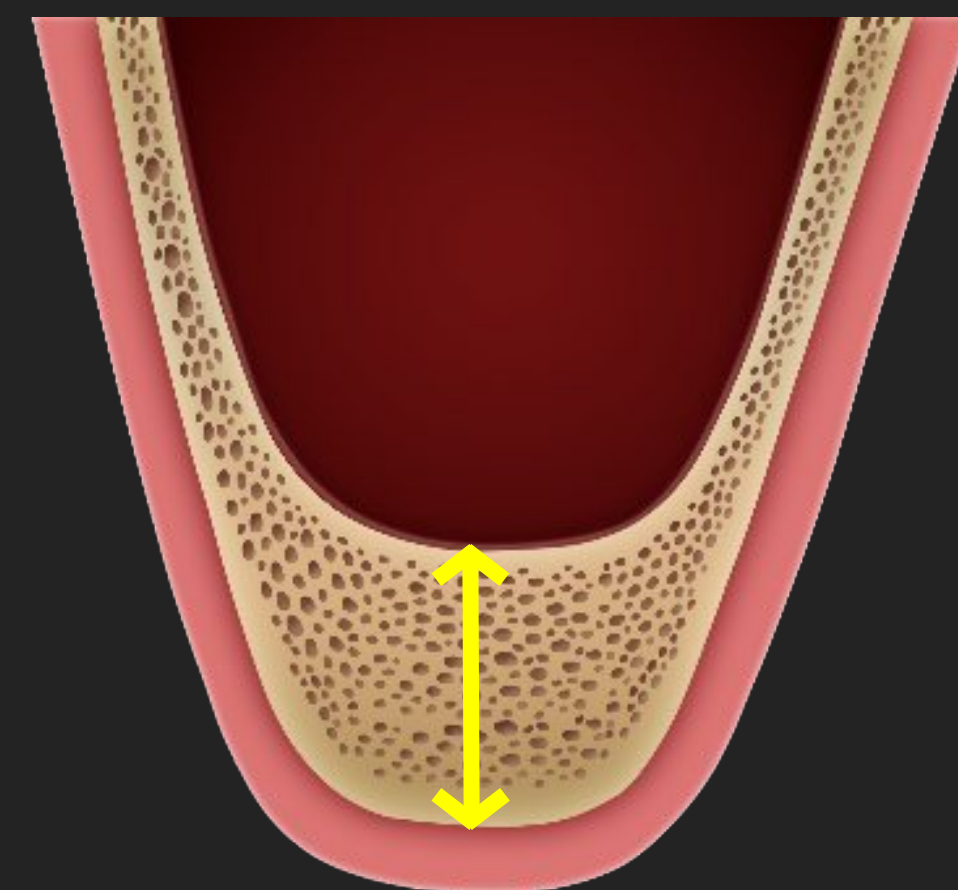
Lateral approach

3 – 5 mm

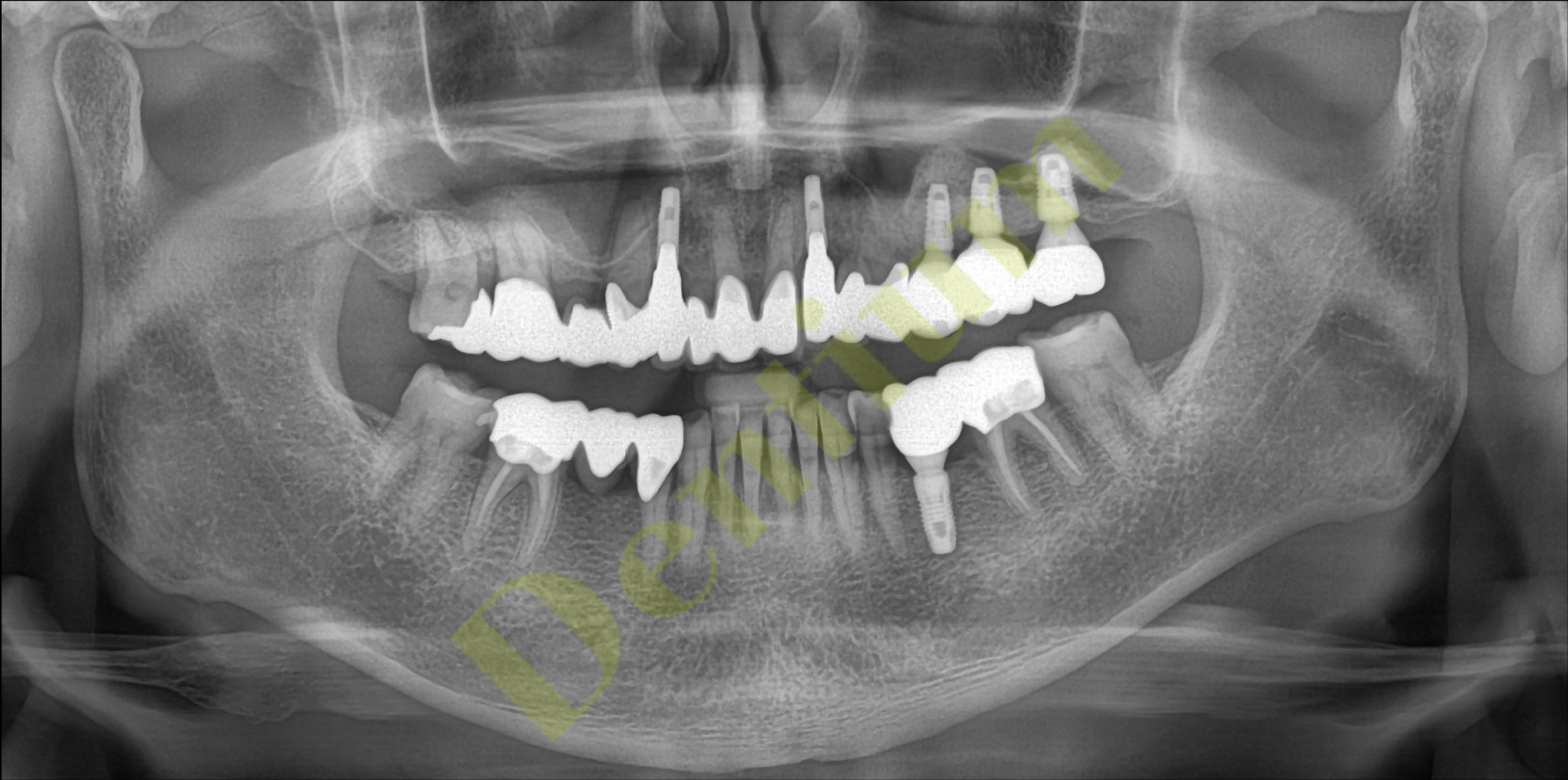


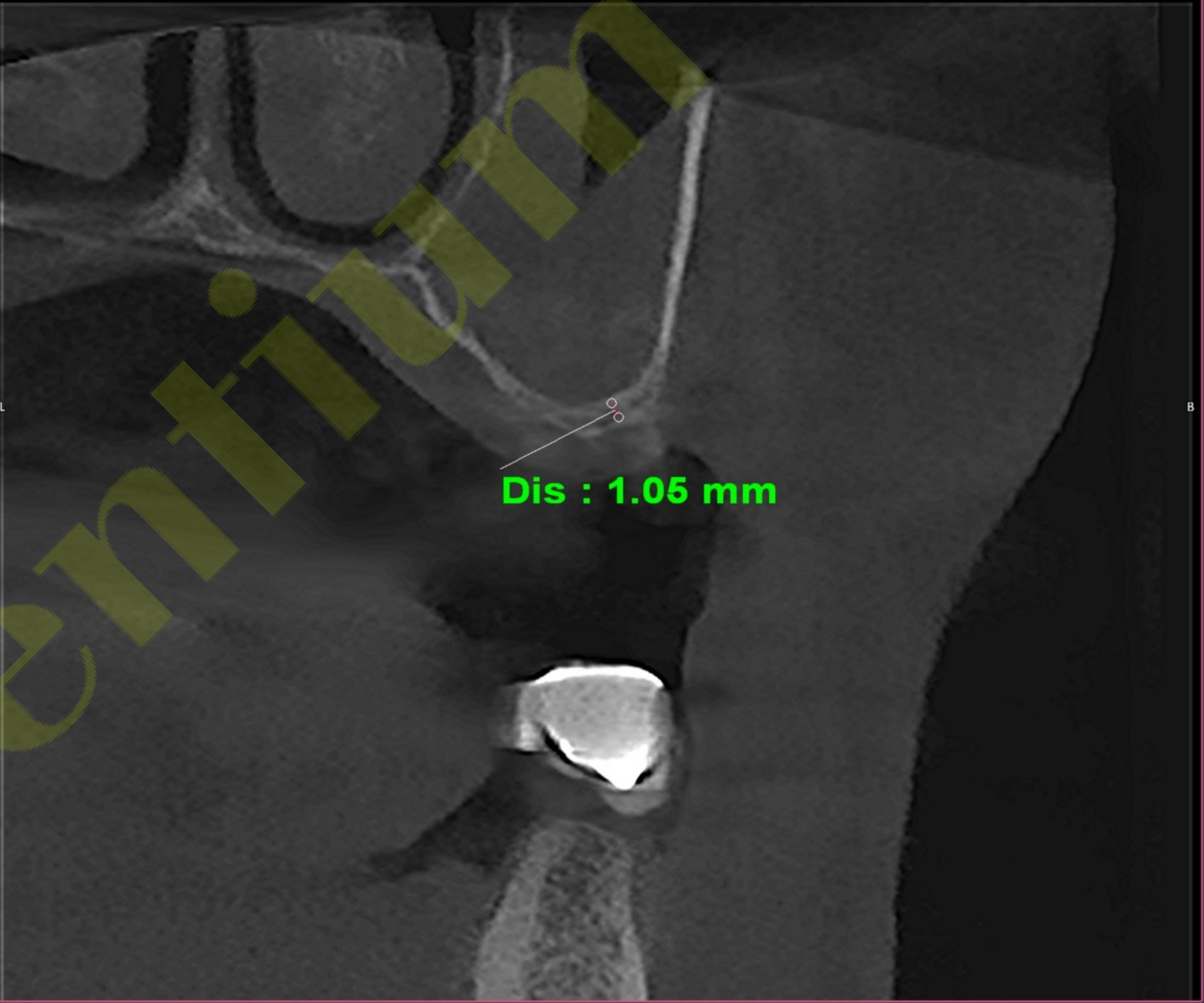
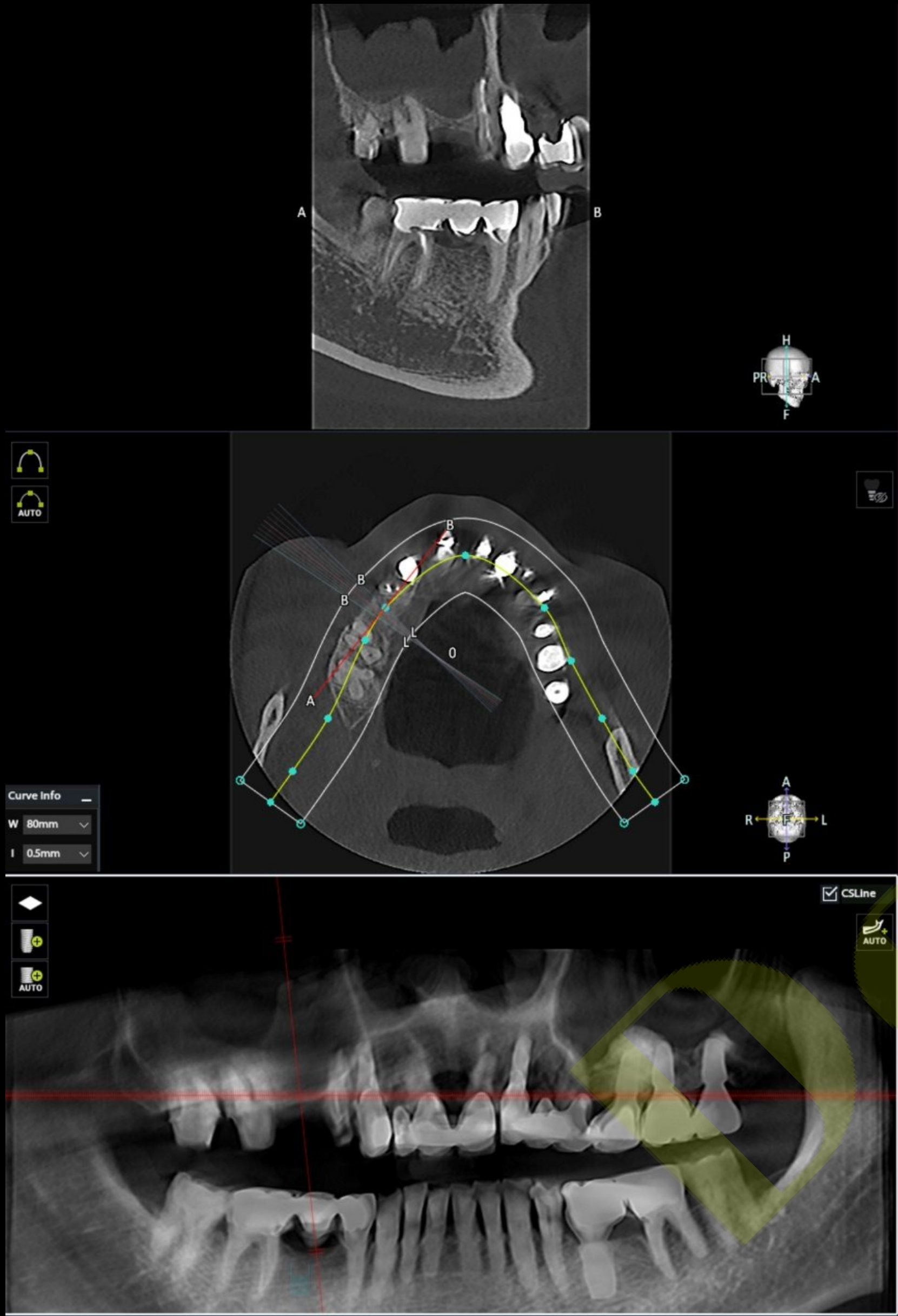
Crestal approach

5 mm over

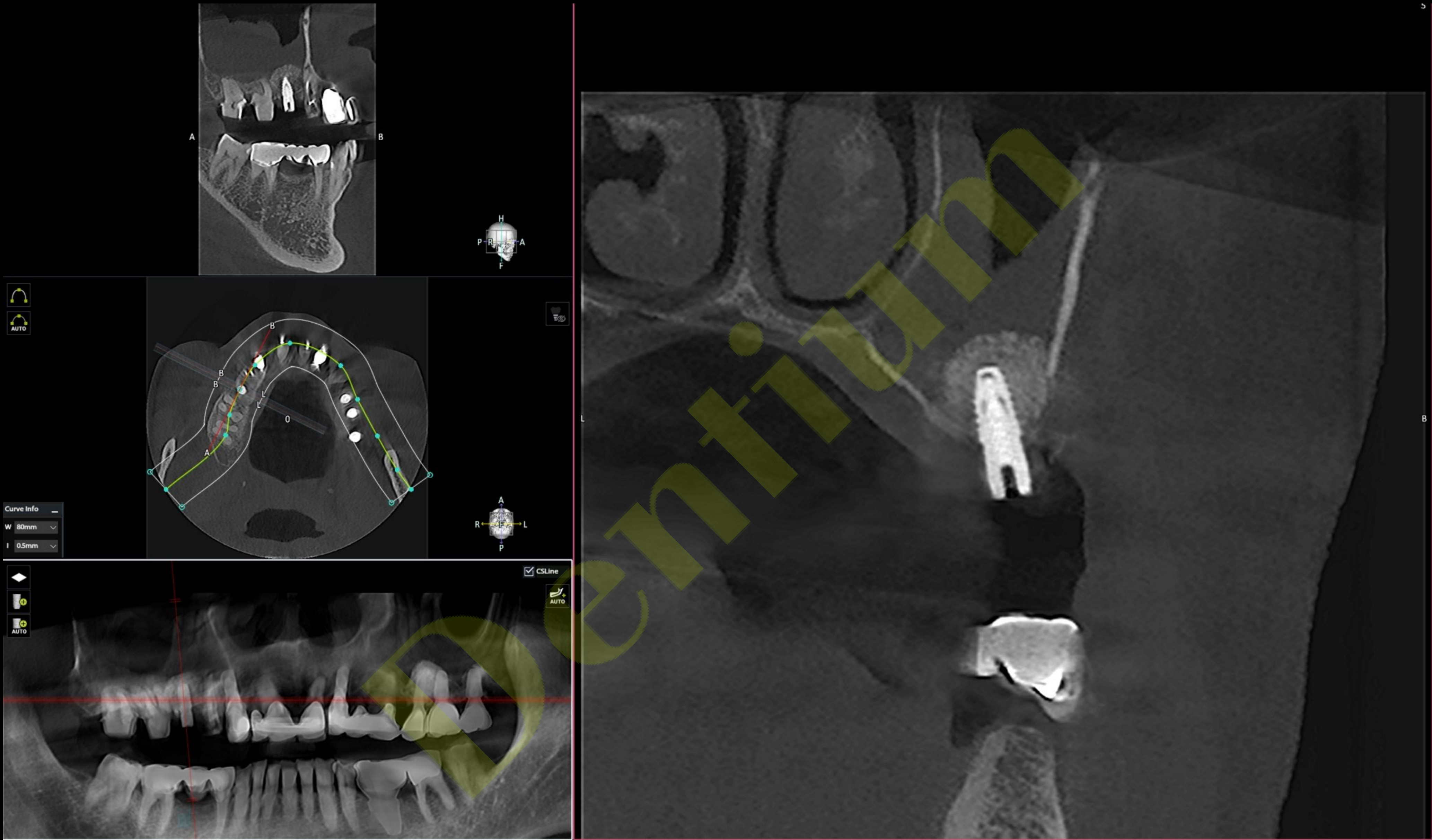


Bicortical Fixation





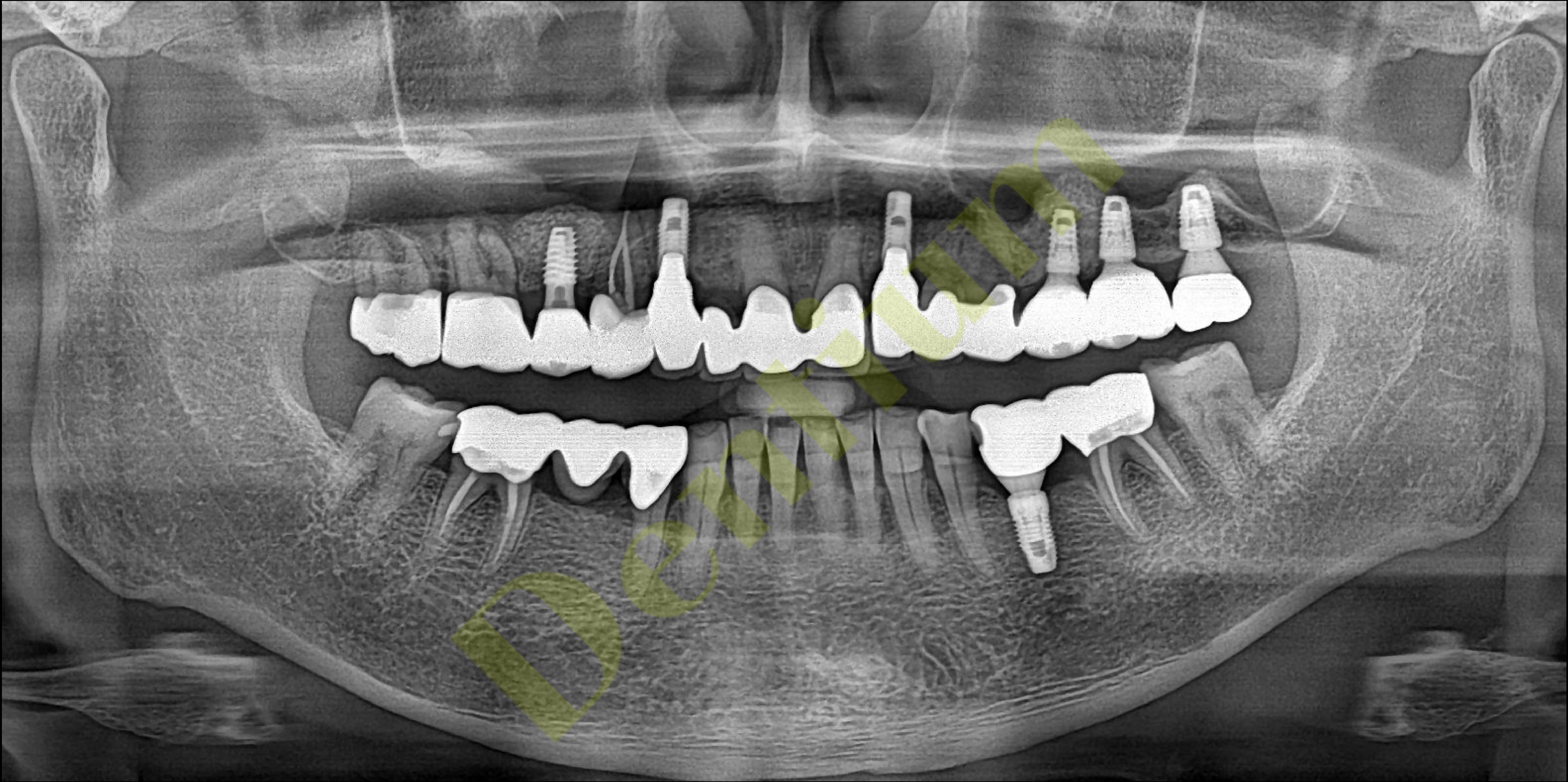
Post-op CT (2023-06-14)



Post-op (2023-06-14)



Final prosthesis (2023-08-09)

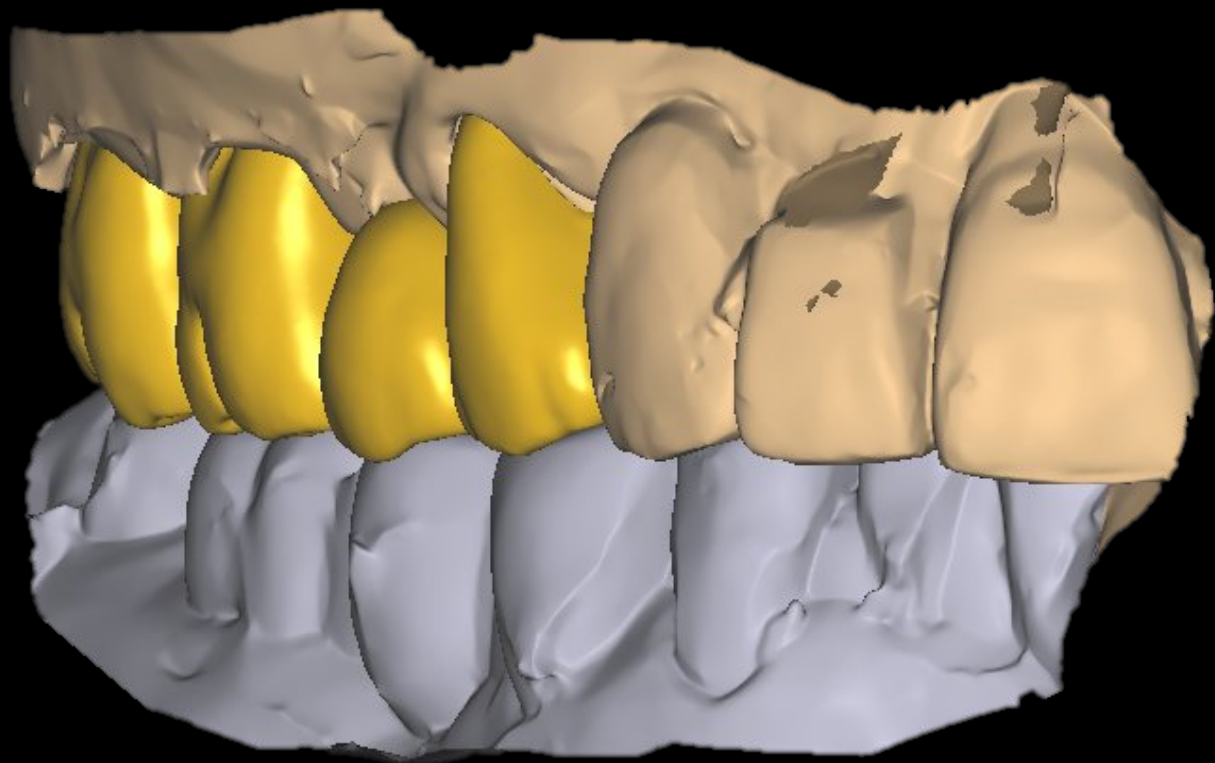
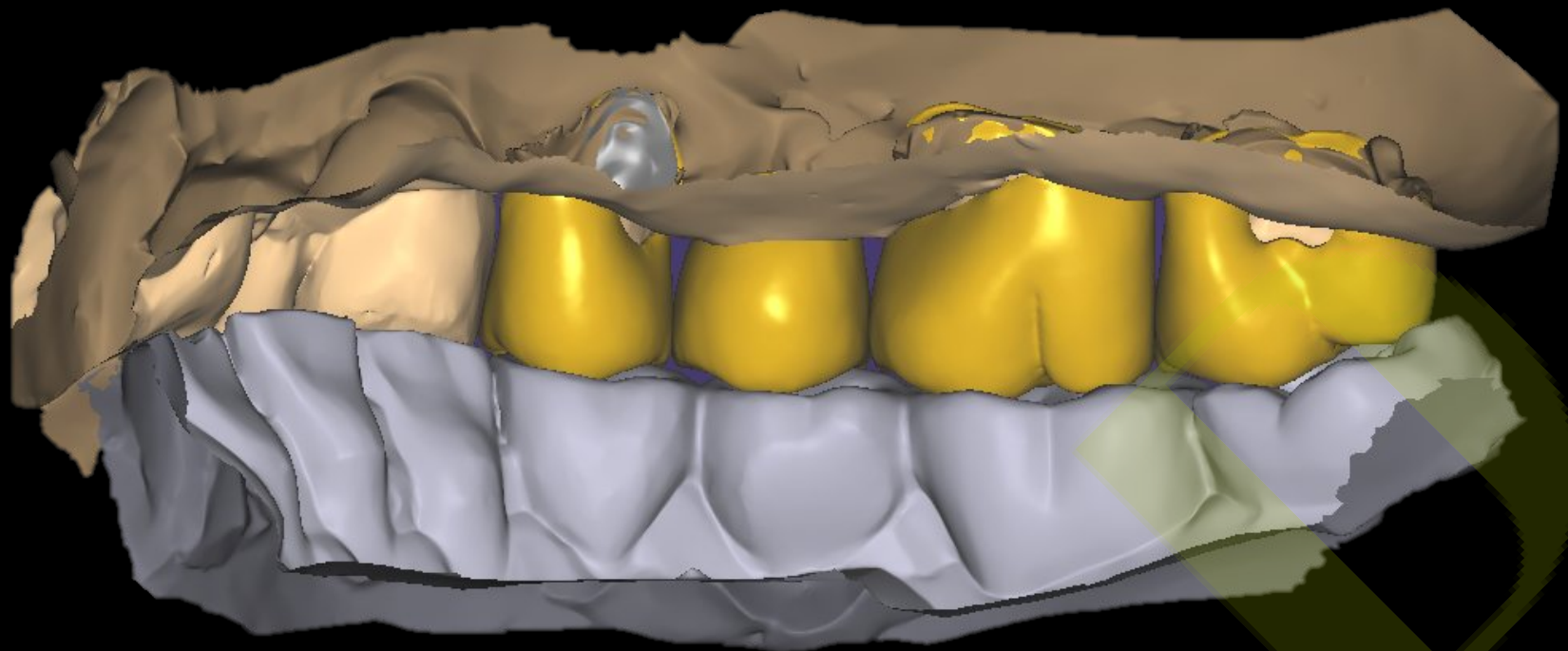
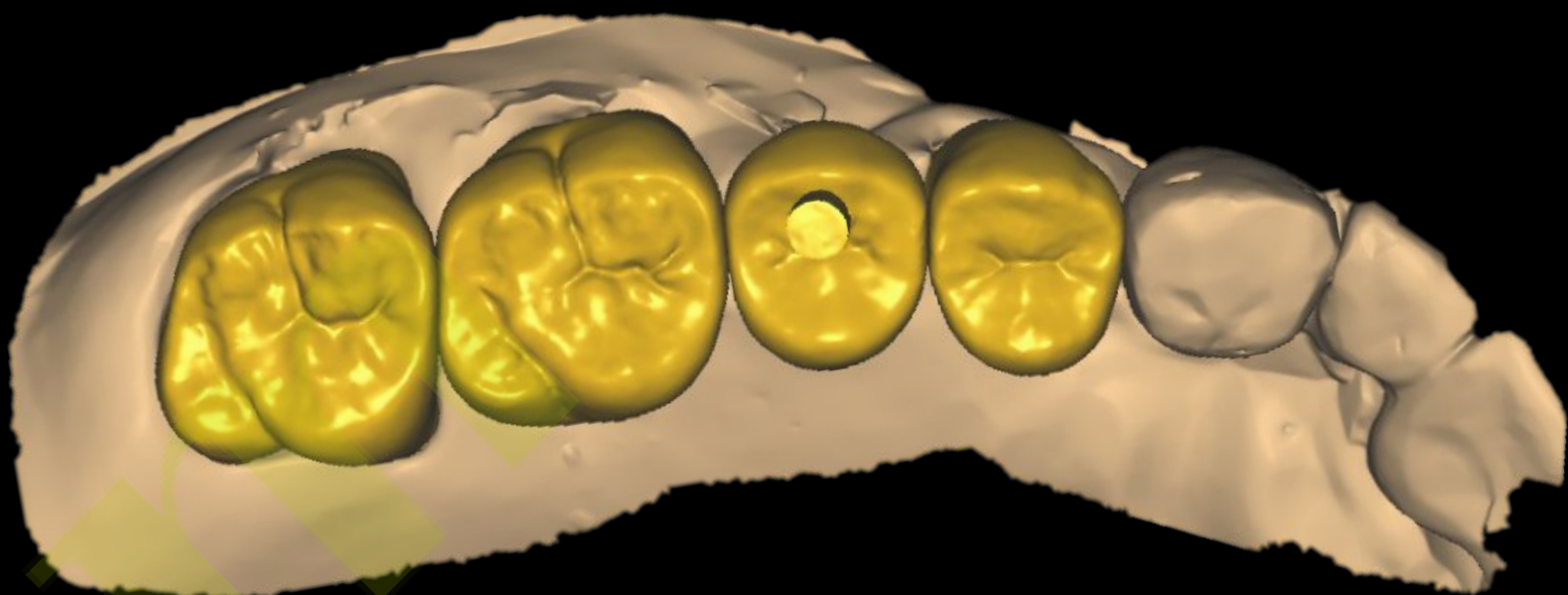
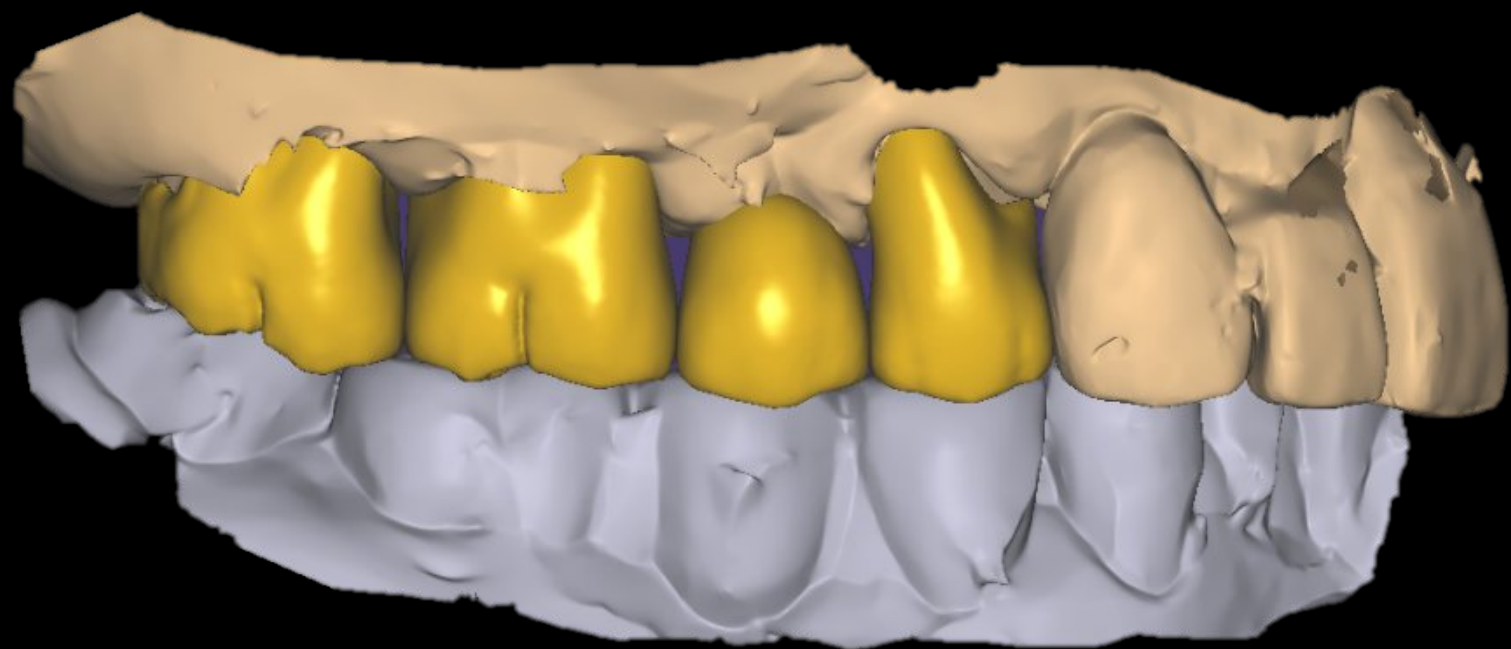




Healing : 1 month (2023-07-19)

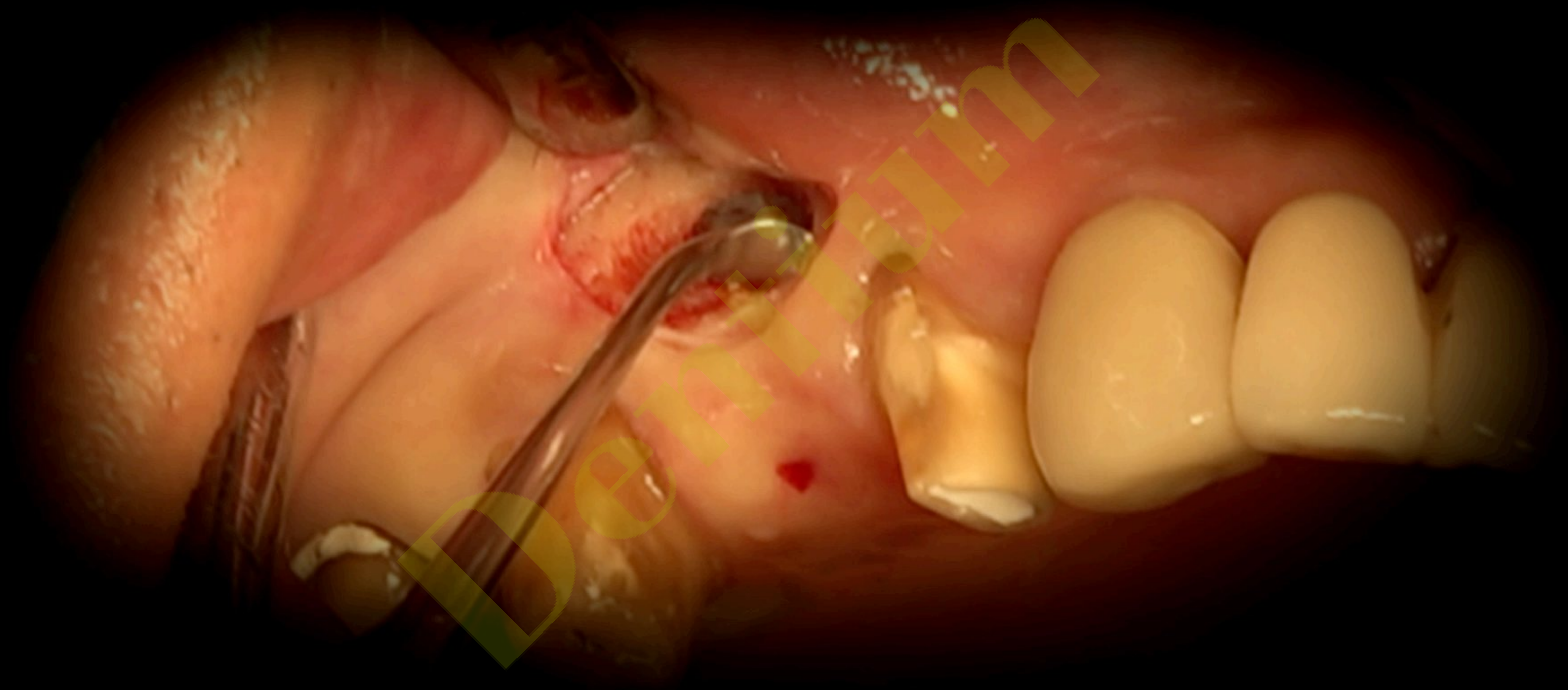


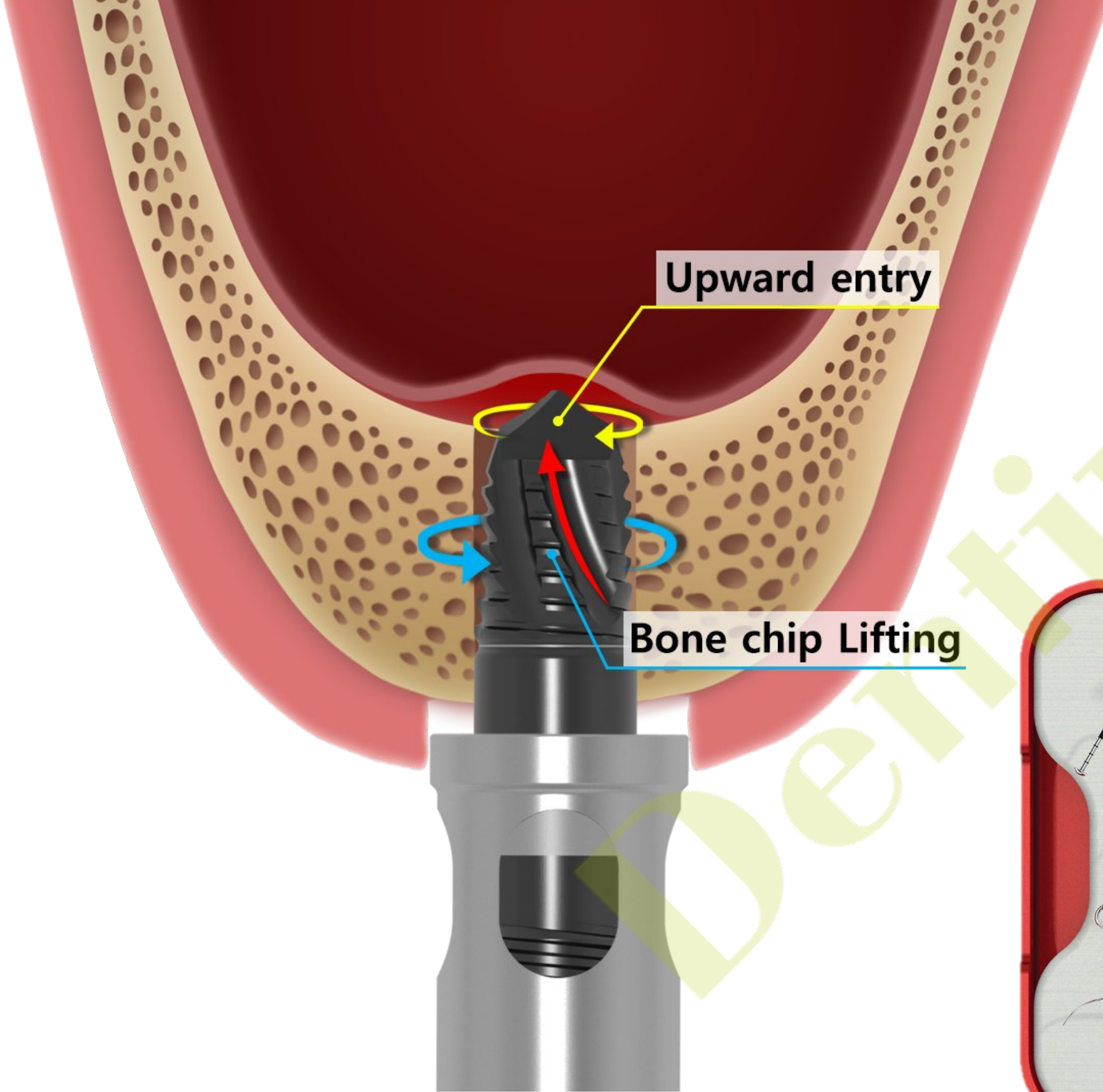
CAD (Final prosthesis)



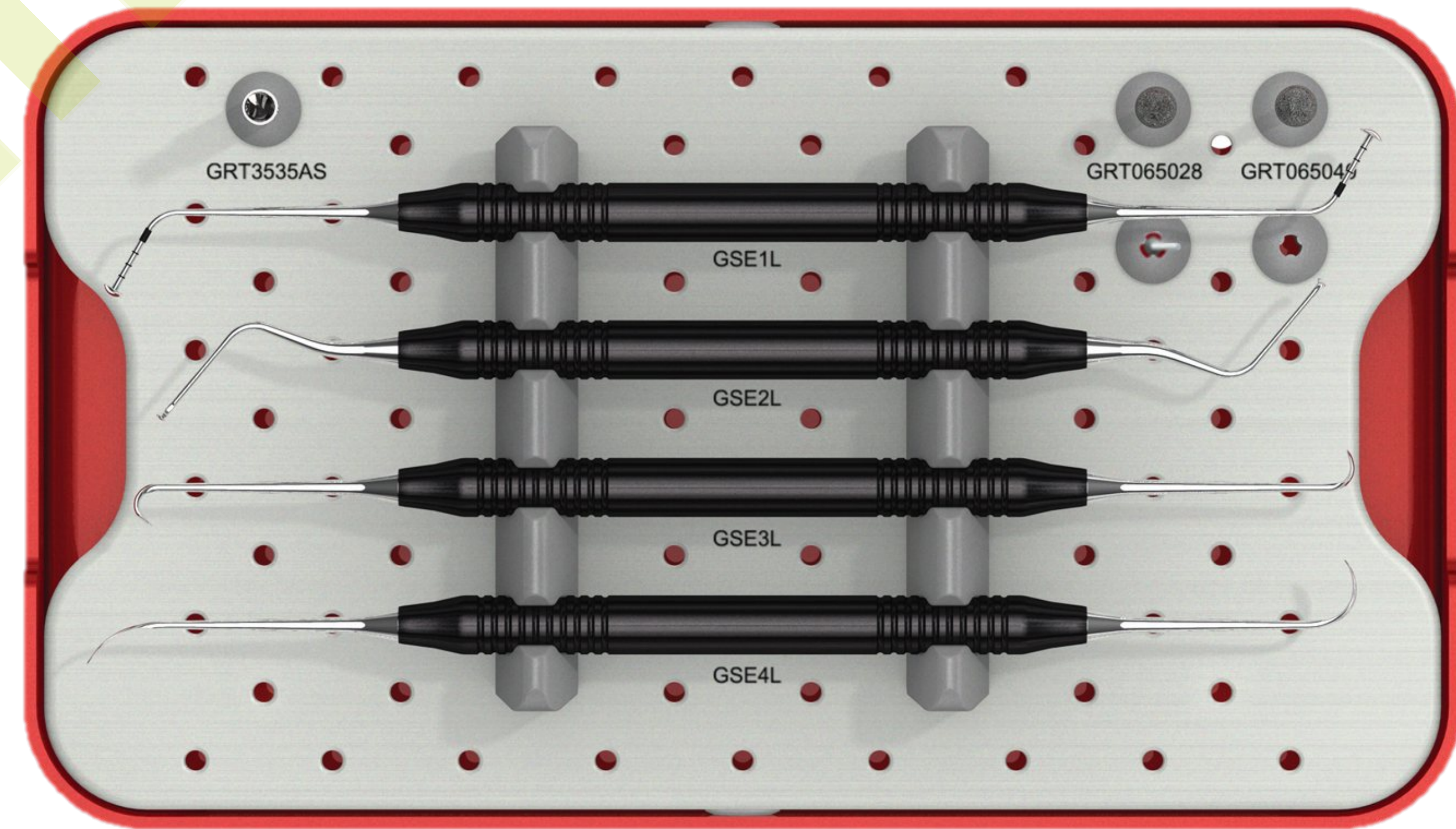
Final prosthesis (2023-08-09)

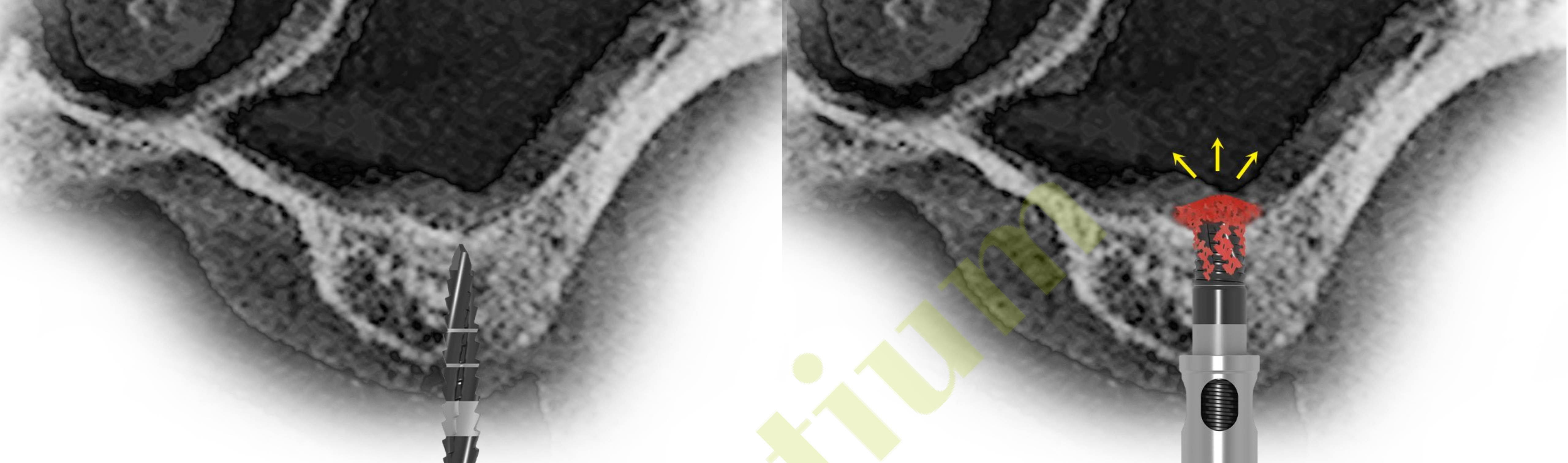




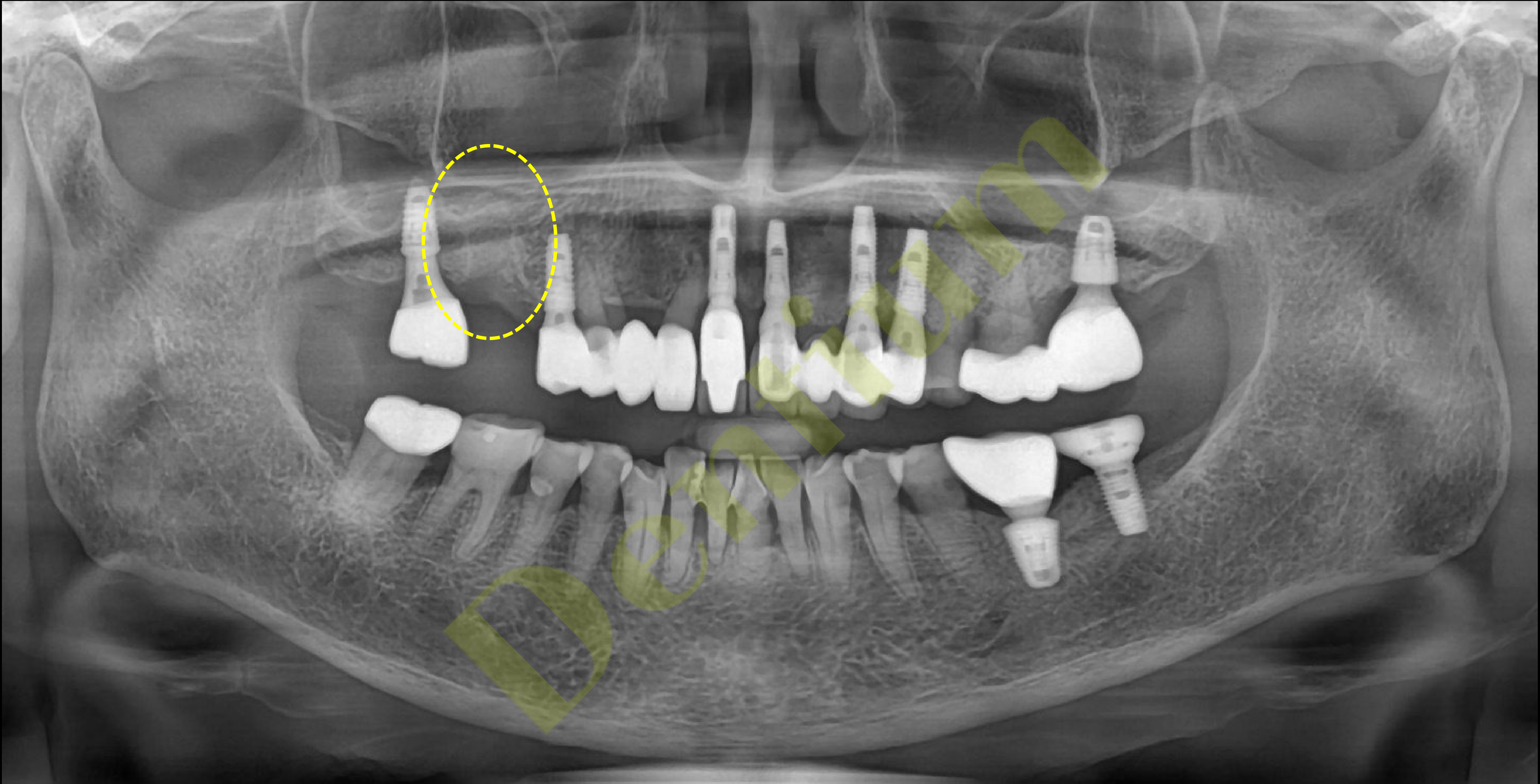


Bicortical fixation
Crestal elevation



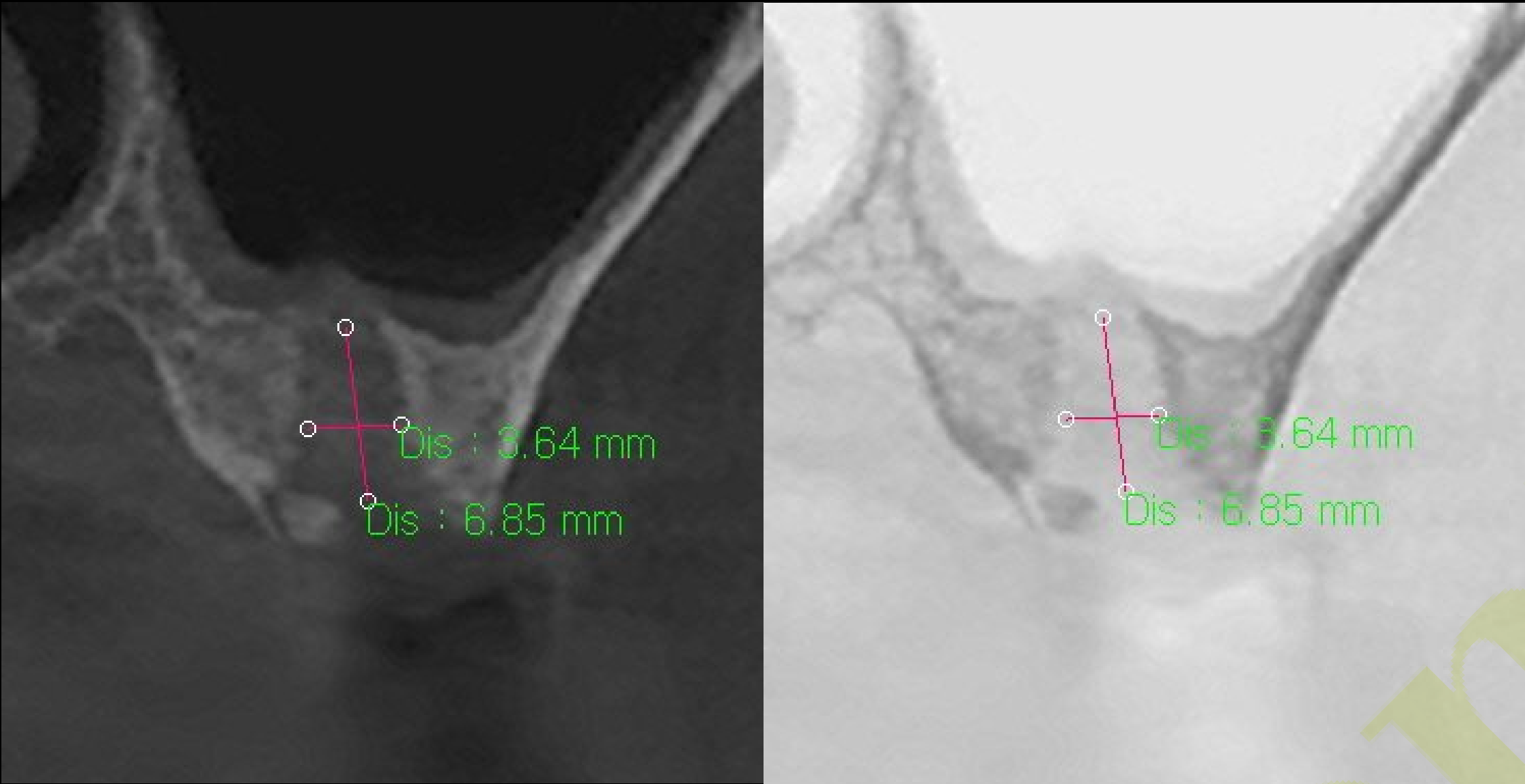


Pre-op (2022-10-25)

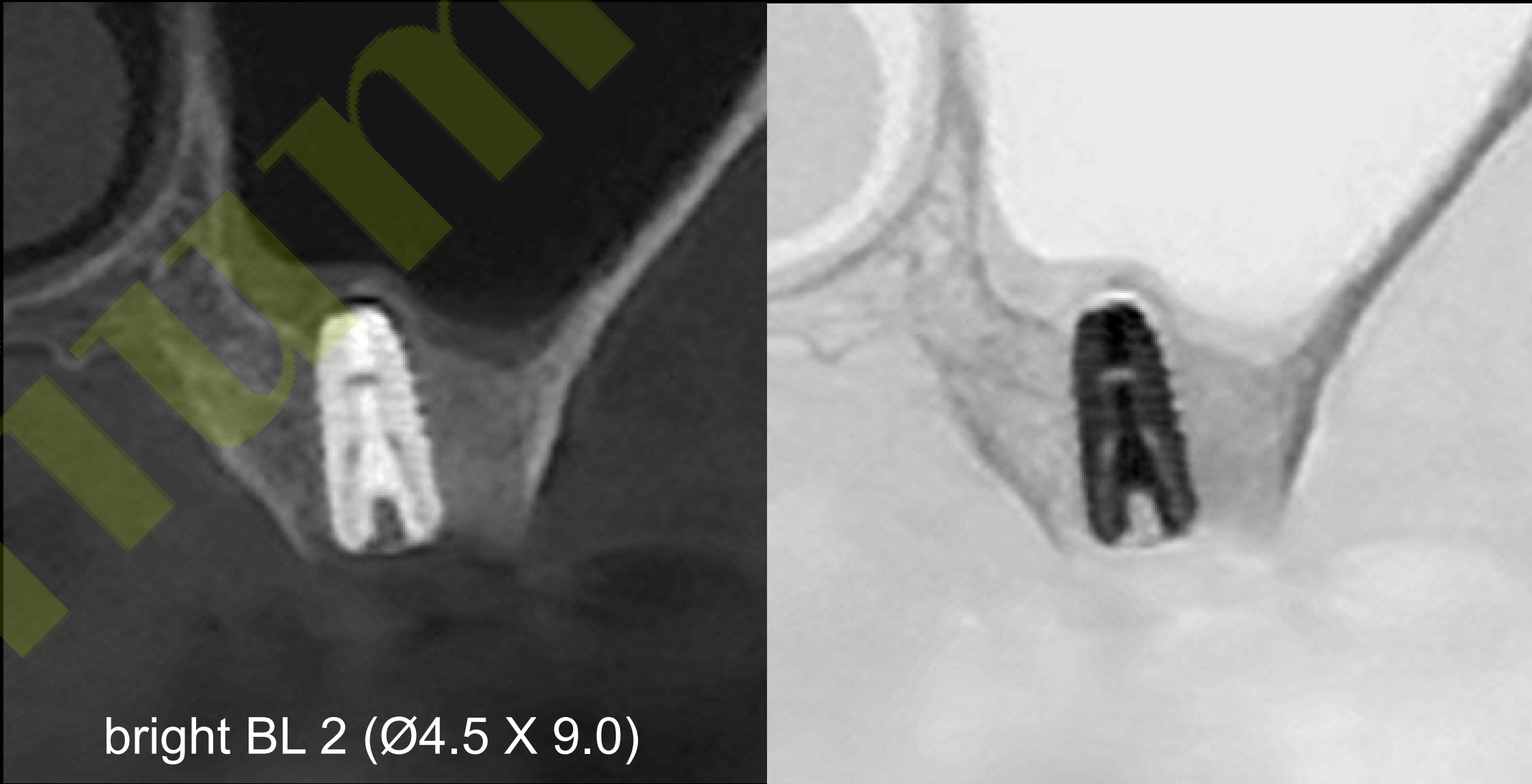


Pre-op (2023-10-25)

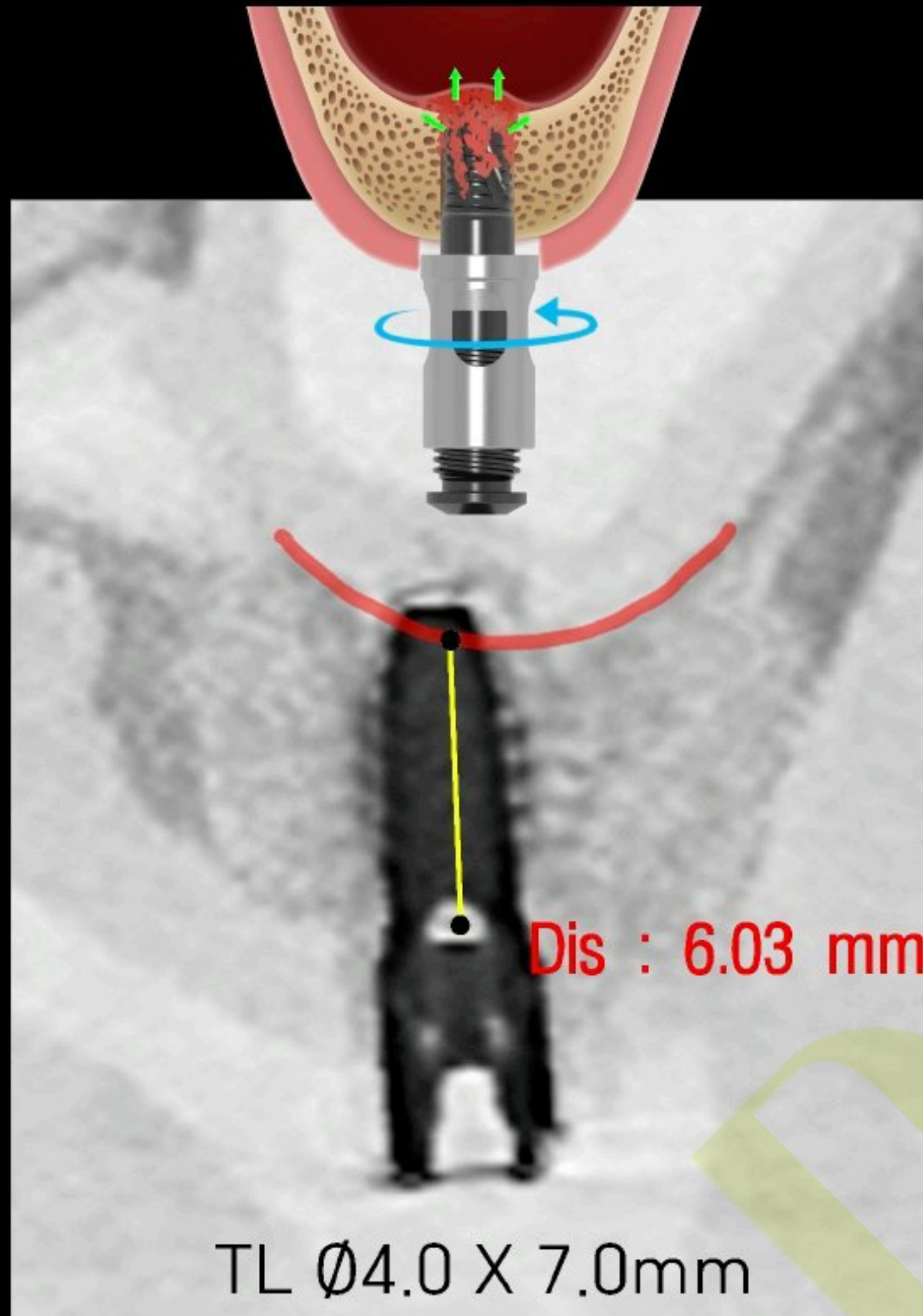
Post-op (2023-10-25)



#16



#16



Hands-on guide

DASK *Simple*

Bicortical fixation

Contents

Upper post

Lower post

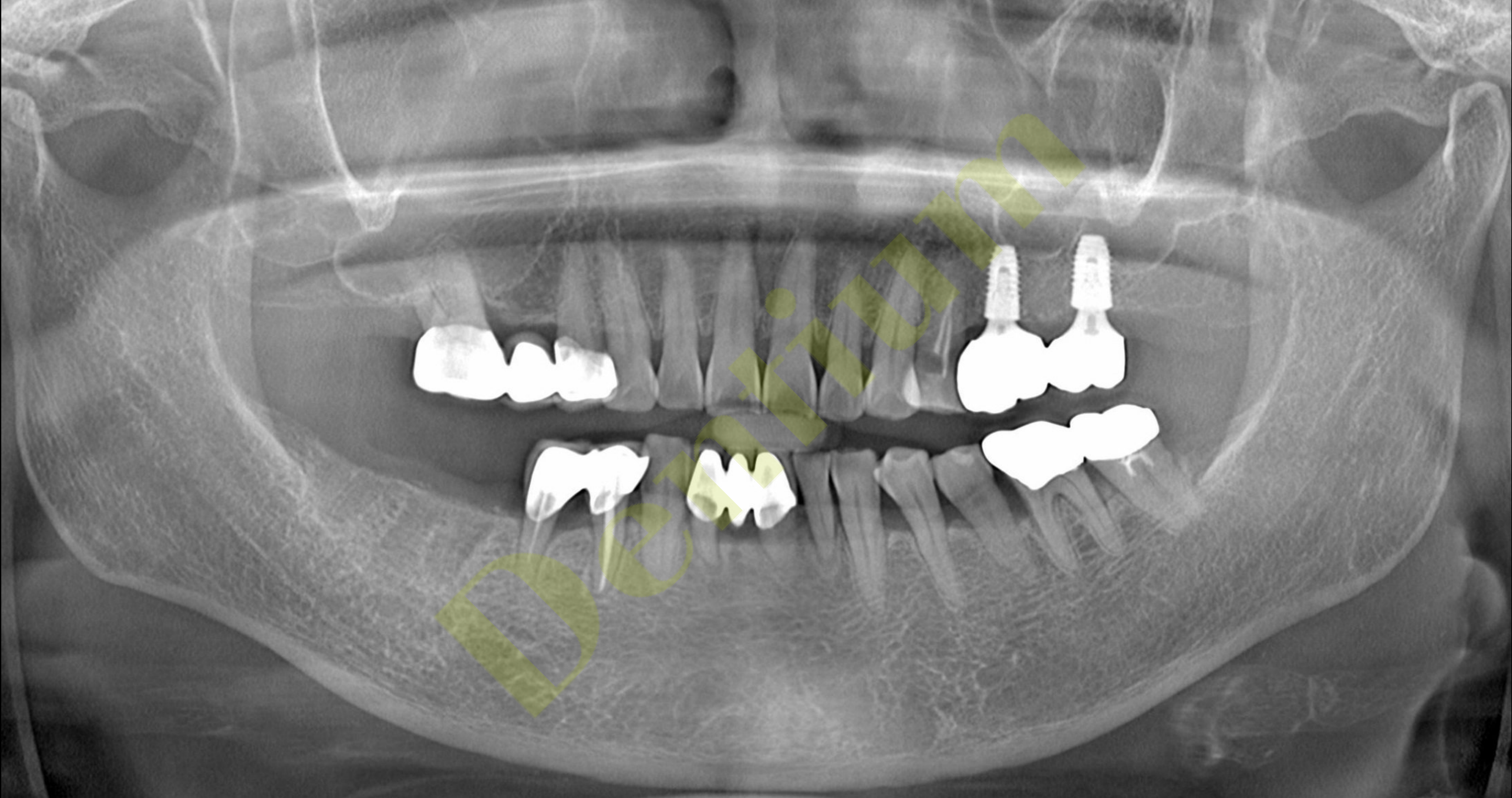
Upper ant

Lower ant

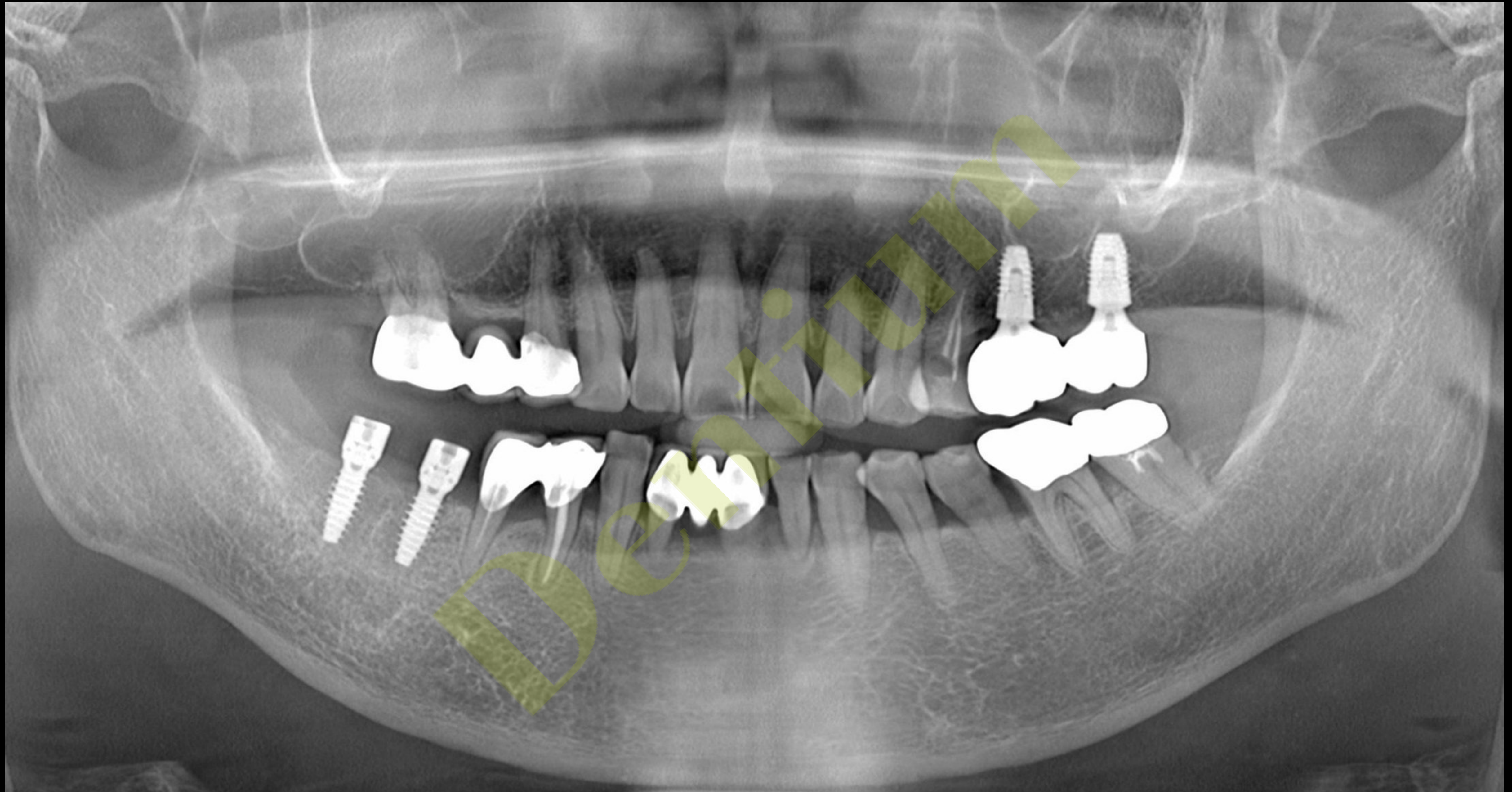
Edentulous

Orthodontics

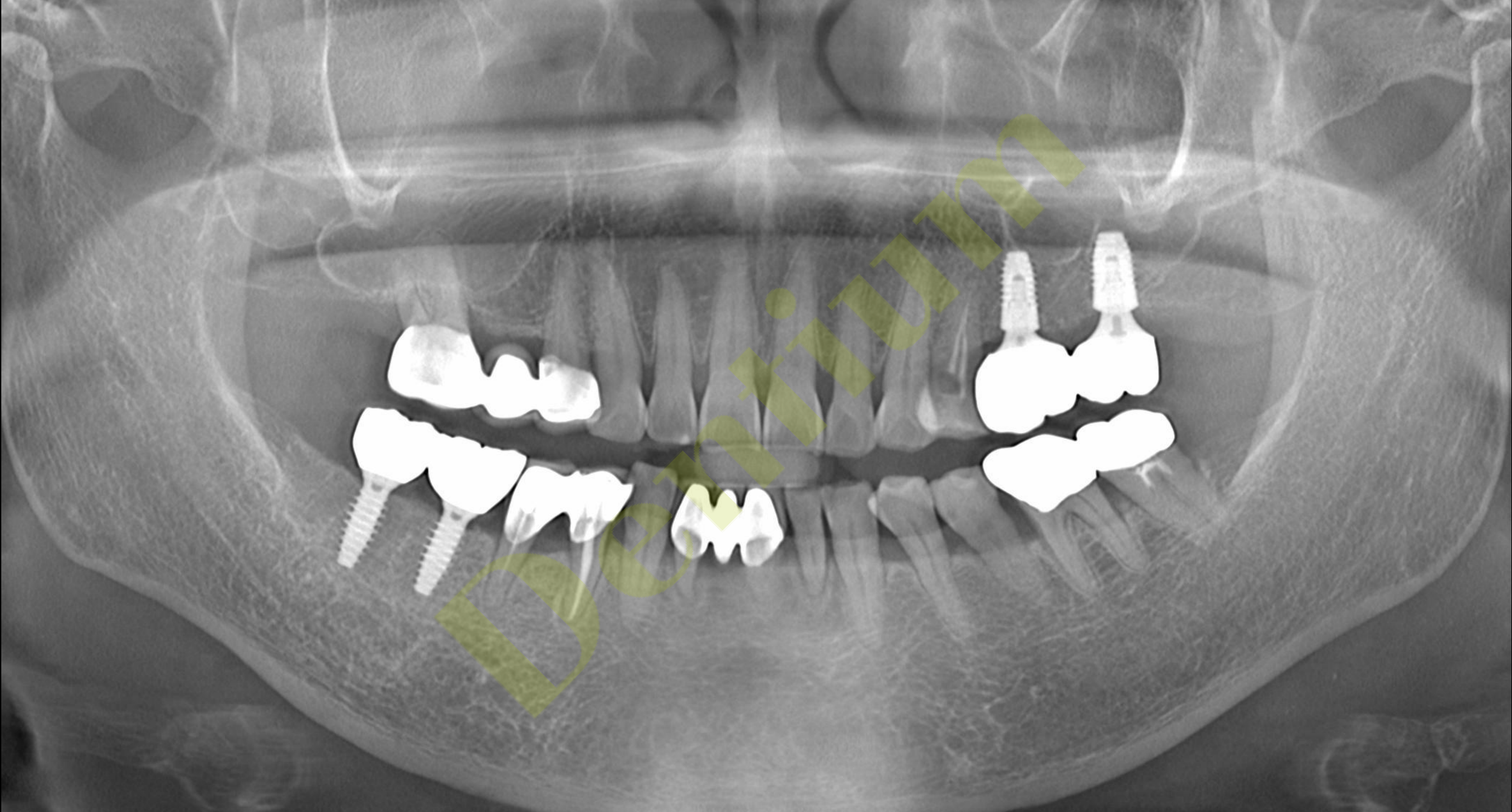
Pre-op (2021-01-11)



Post-op (2021-01-11)



Final prosthesis (2021-04-28)



Pre-op (2021-01-11)

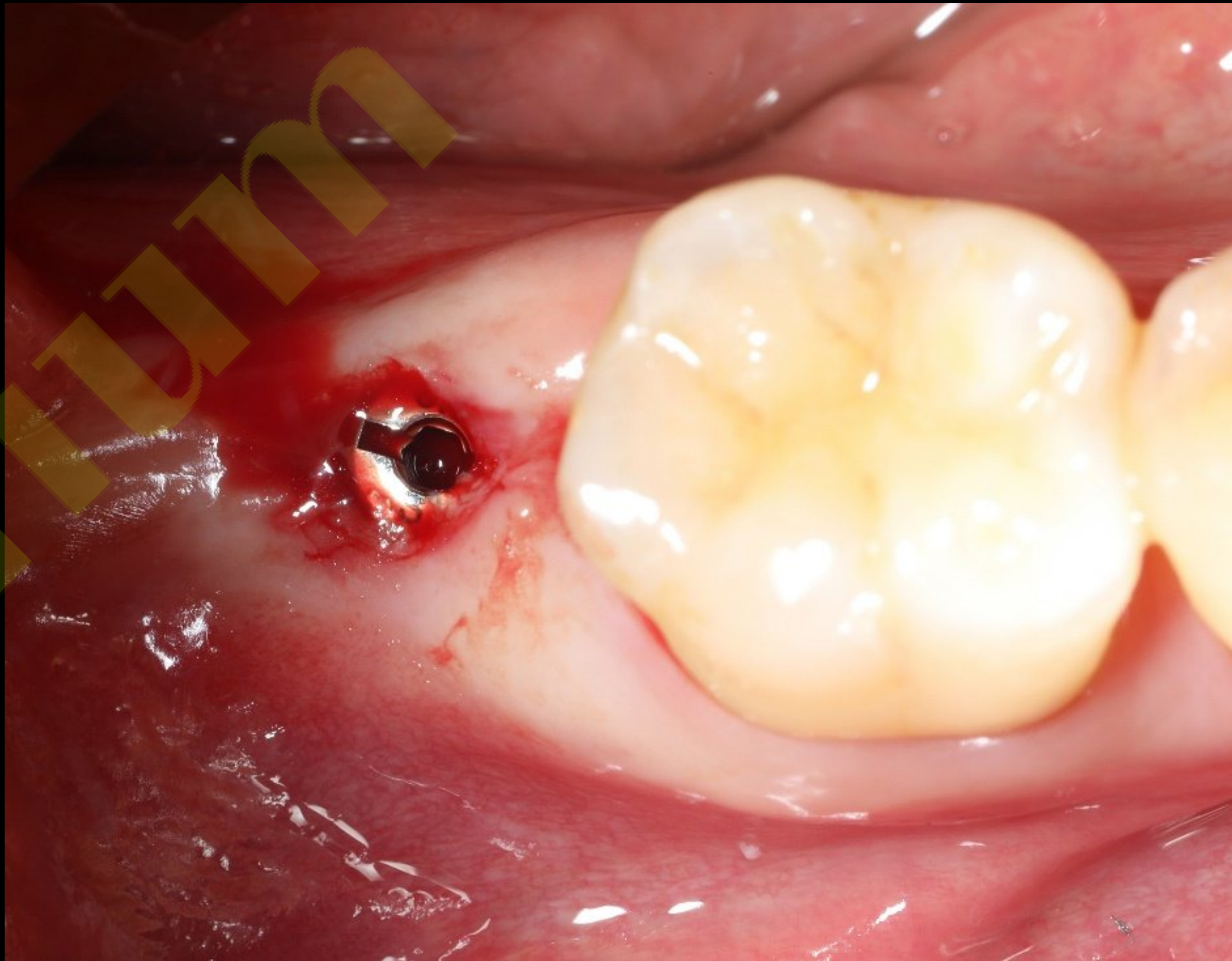
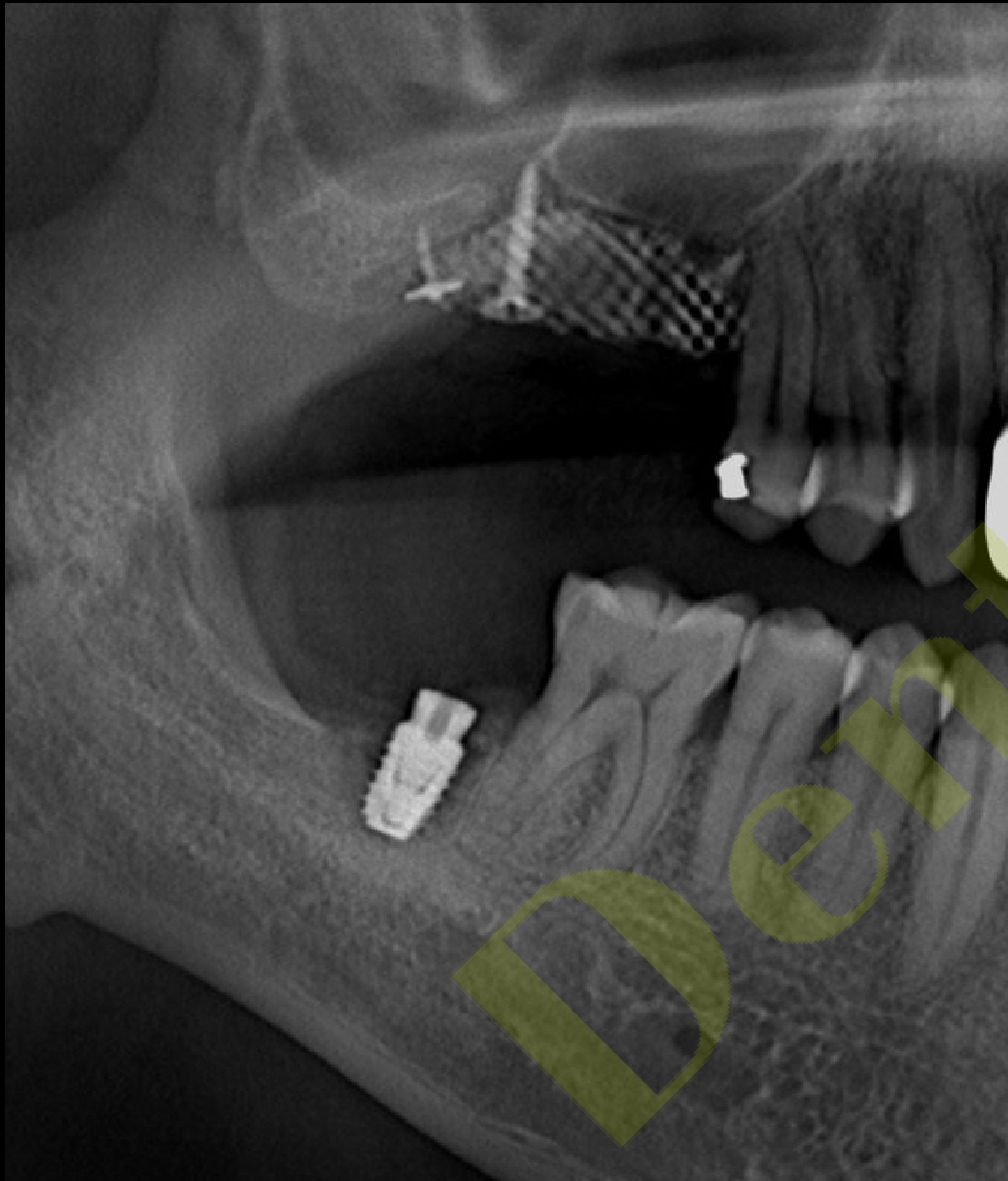




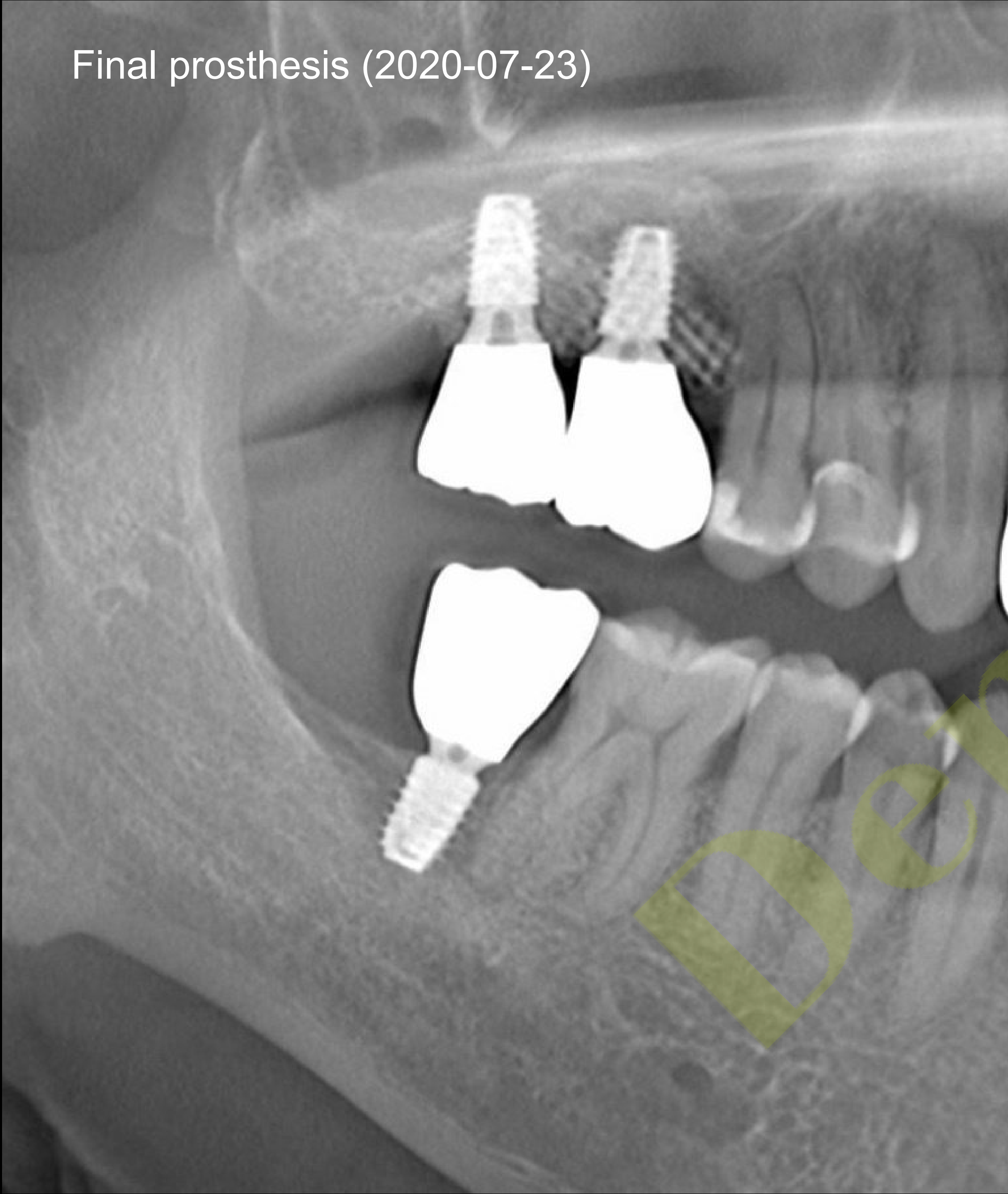
Final prosthesis (2021-04-28)



Post-op (2018-11-19)

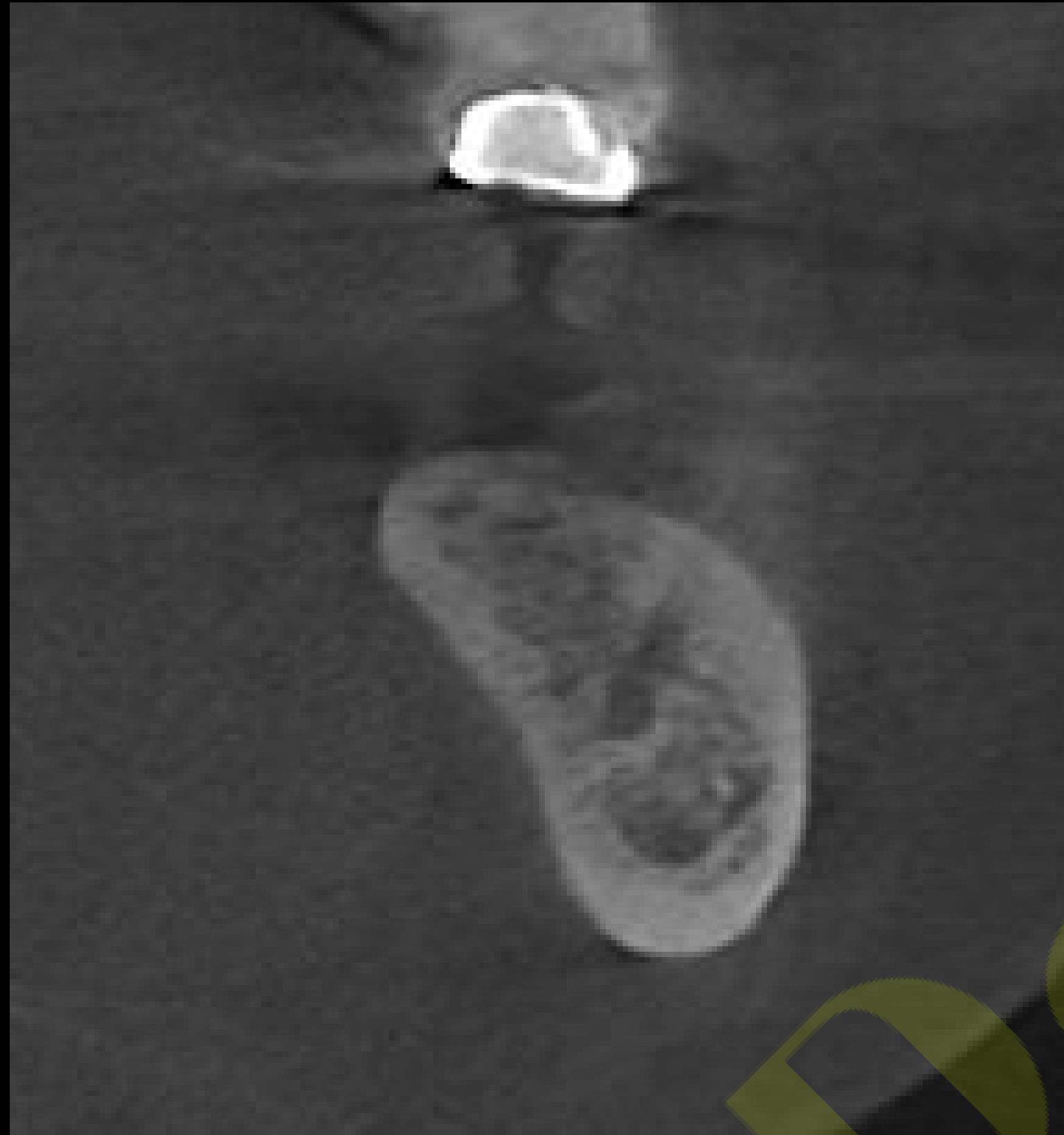


Final prosthesis (2020-07-23)





Pre-op (2022-02-24)



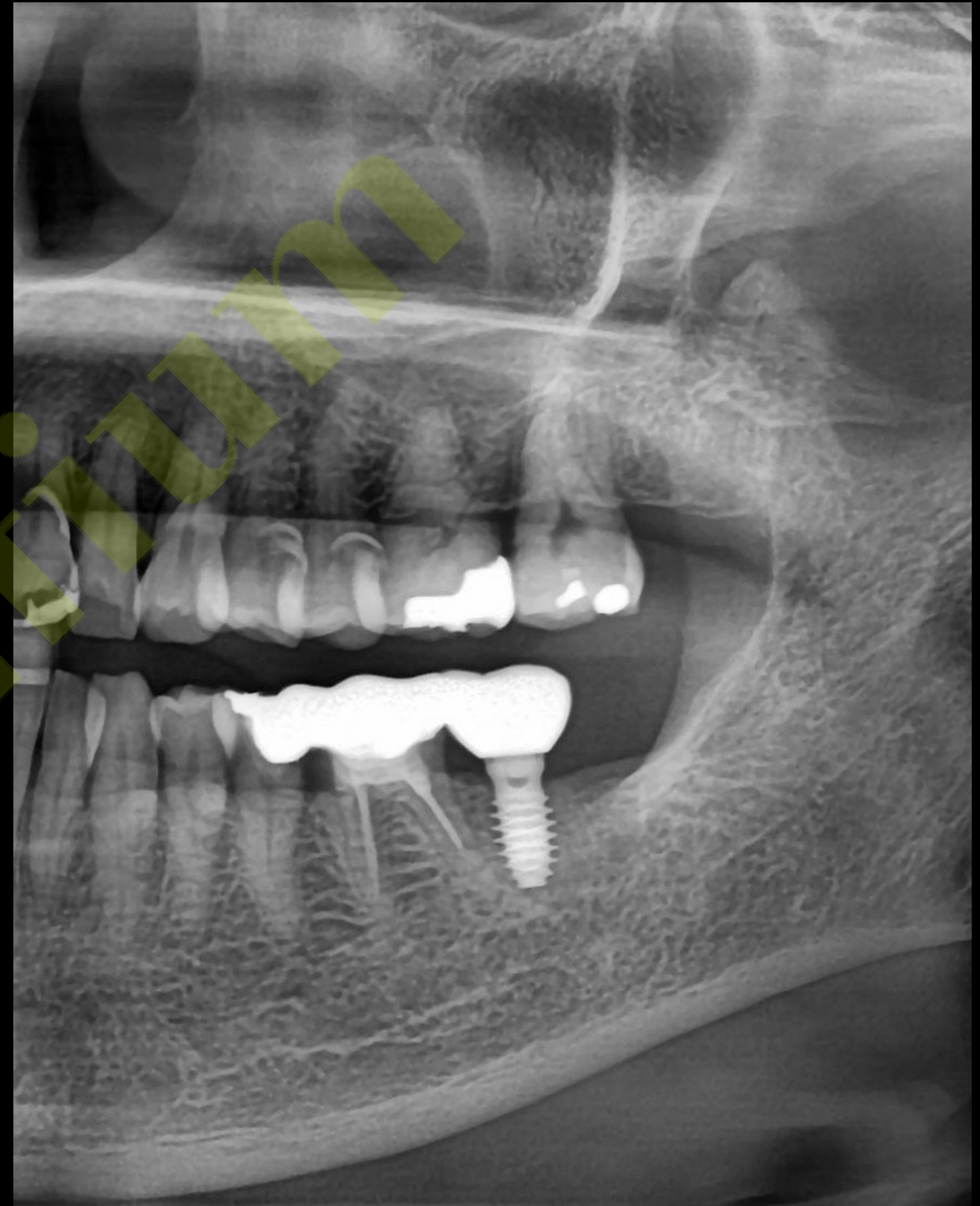
Post-op (2022-02-24)



Healing : 2 weeks (2022-03-10)

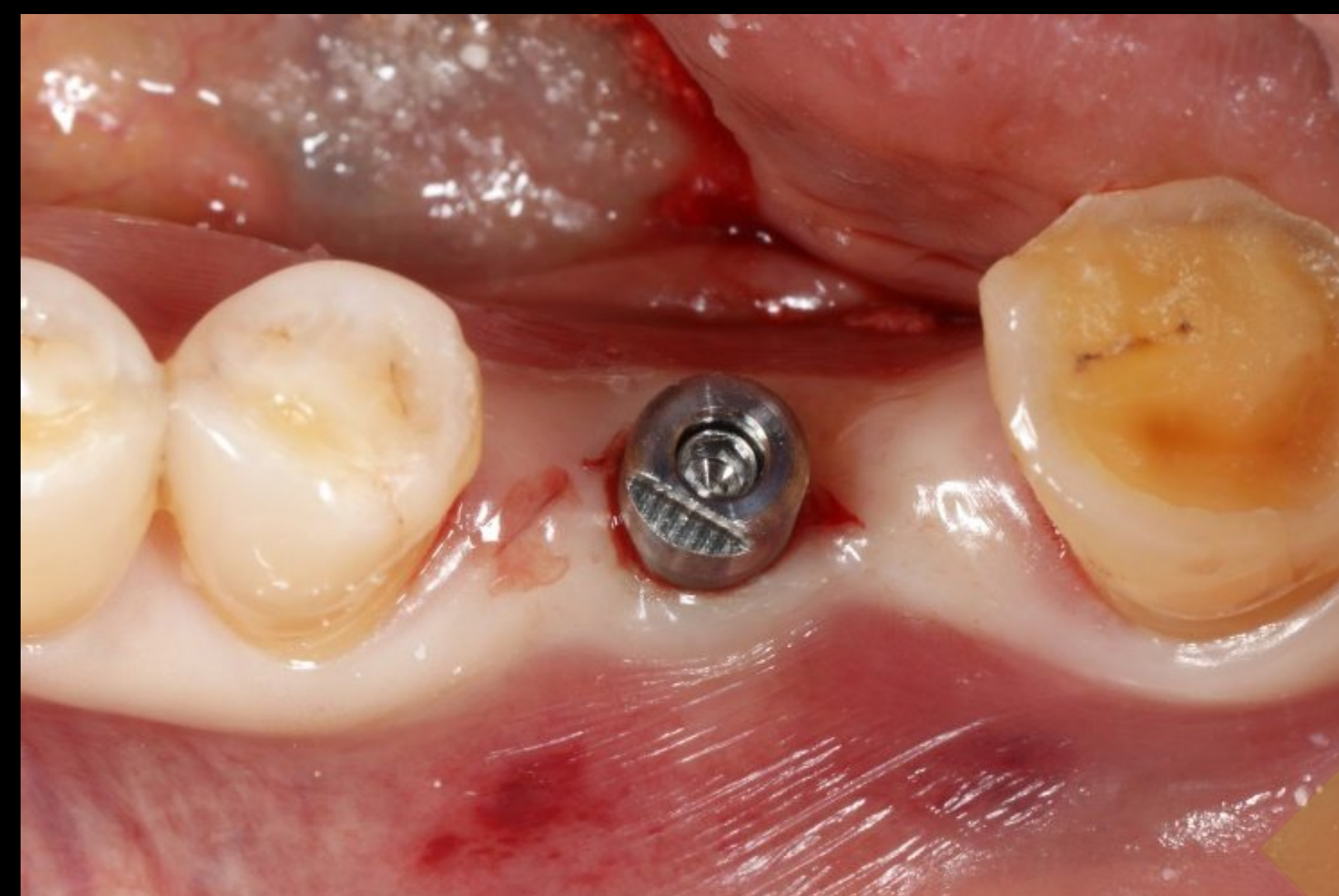
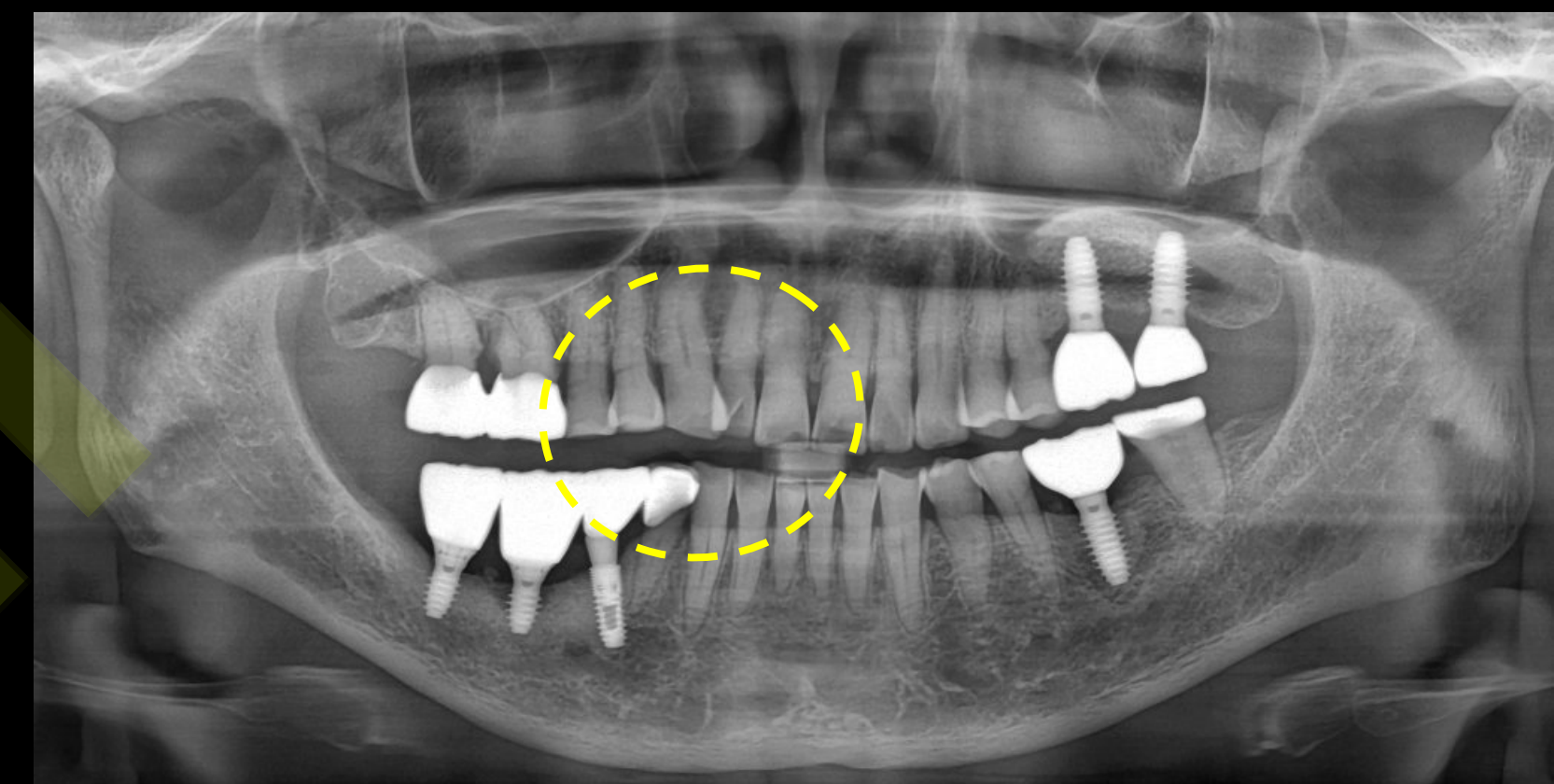
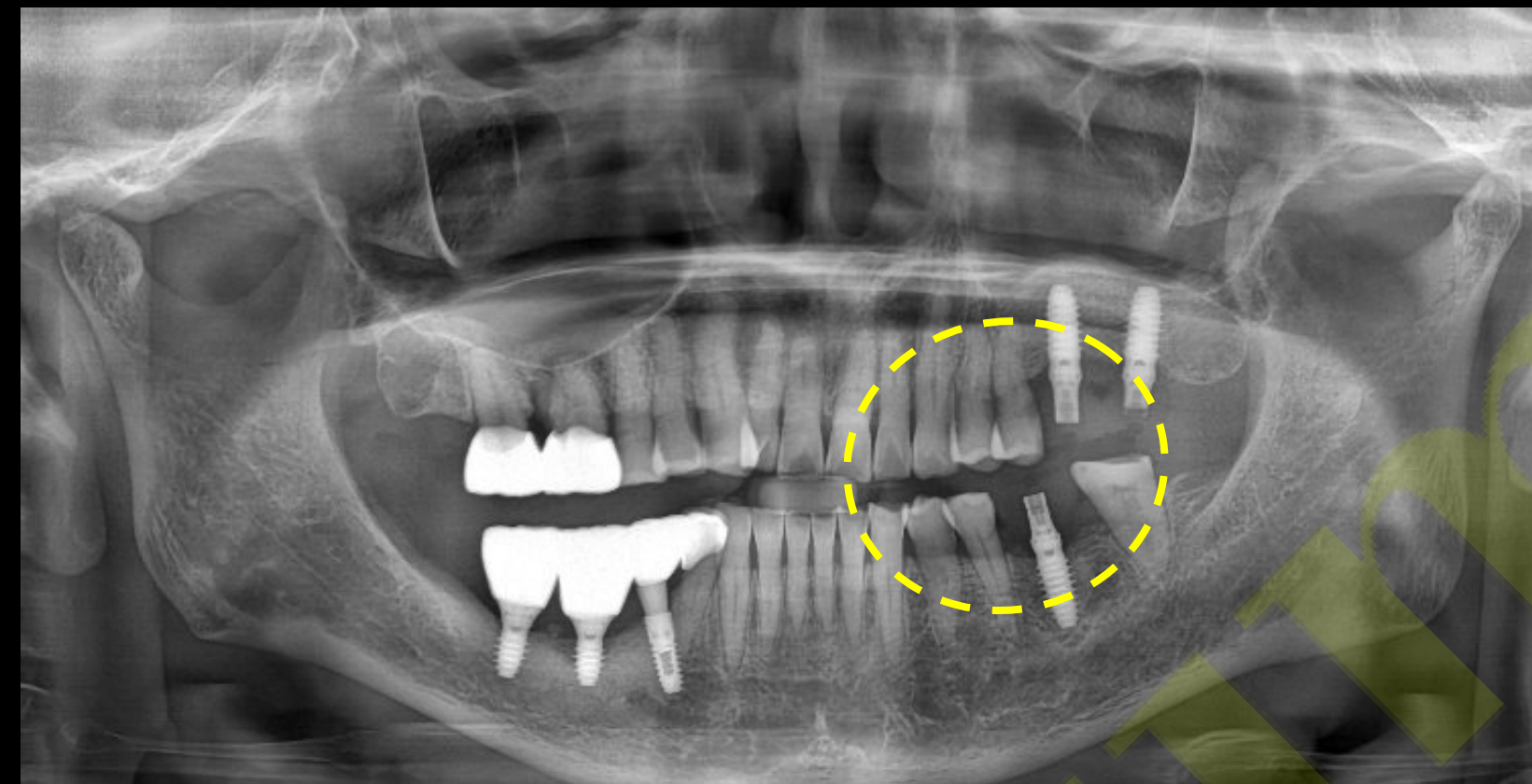


Final prosthesis (2022-07-04)



Final prosthesis (2022-07-04)





Post-op

Provisional restoration

Final prosthesis



Post-op

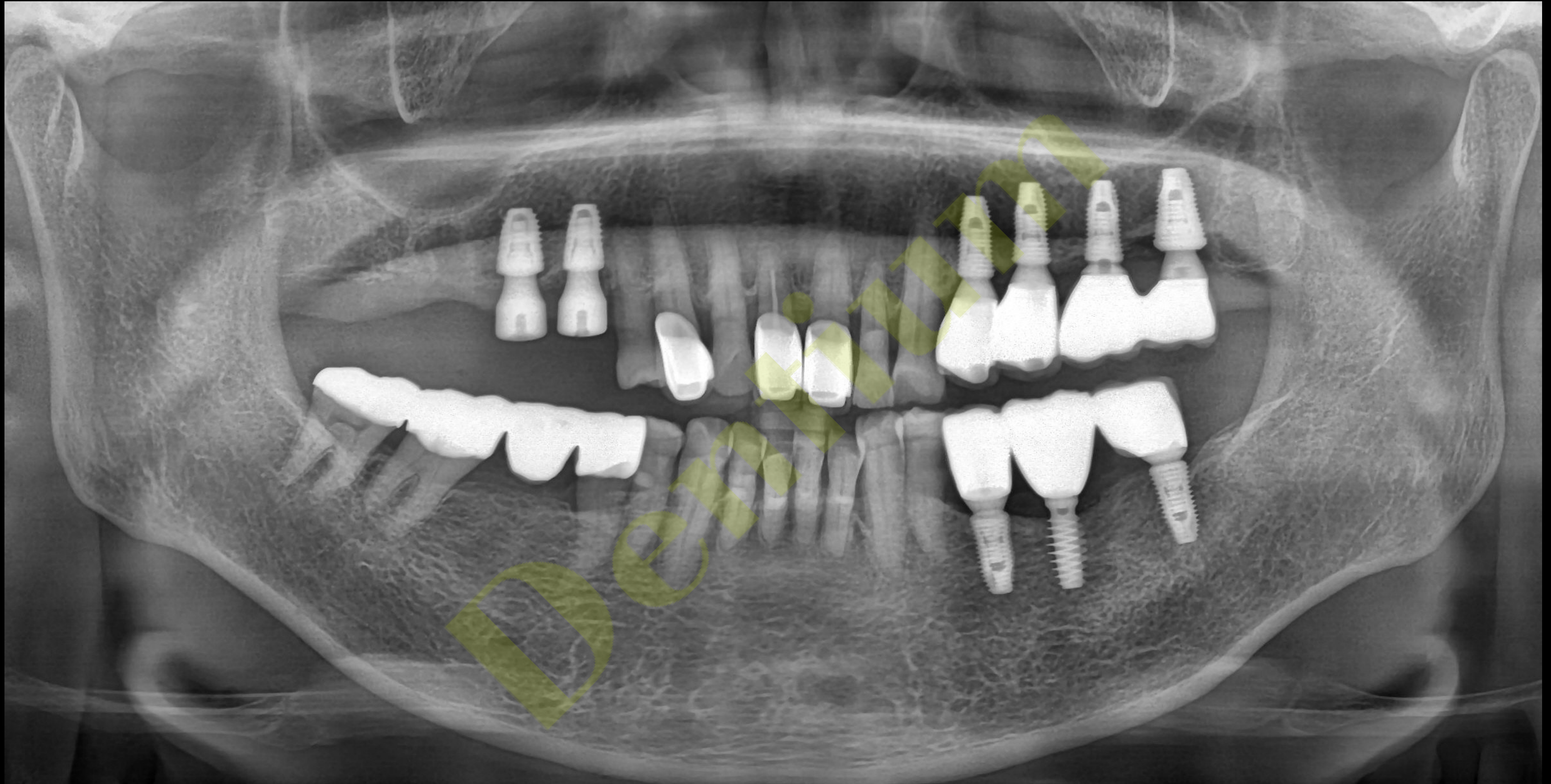


Final prosthesis



FU 2Y 4M

Follow up 2 years 10 months (2023-03-06)

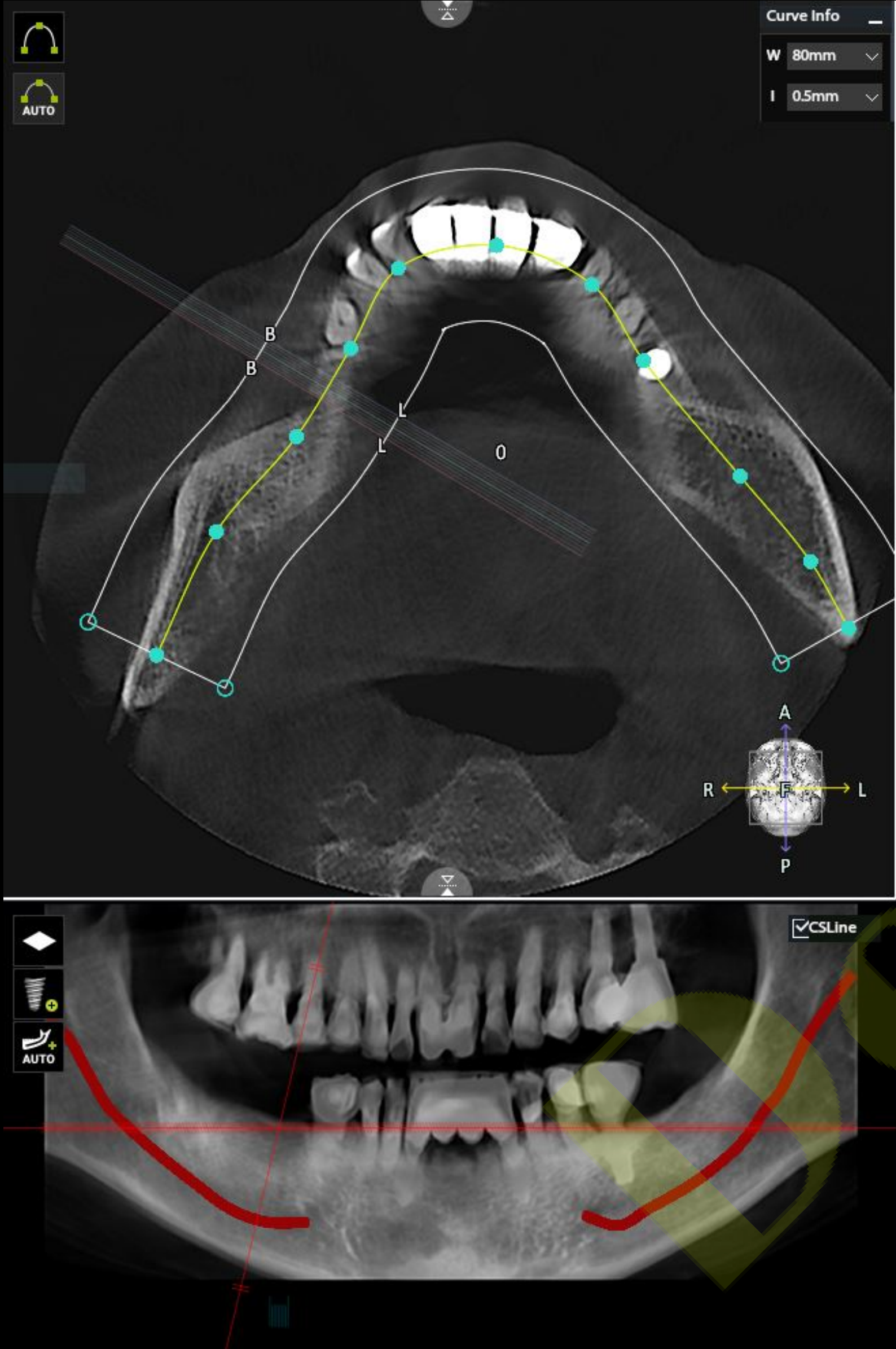


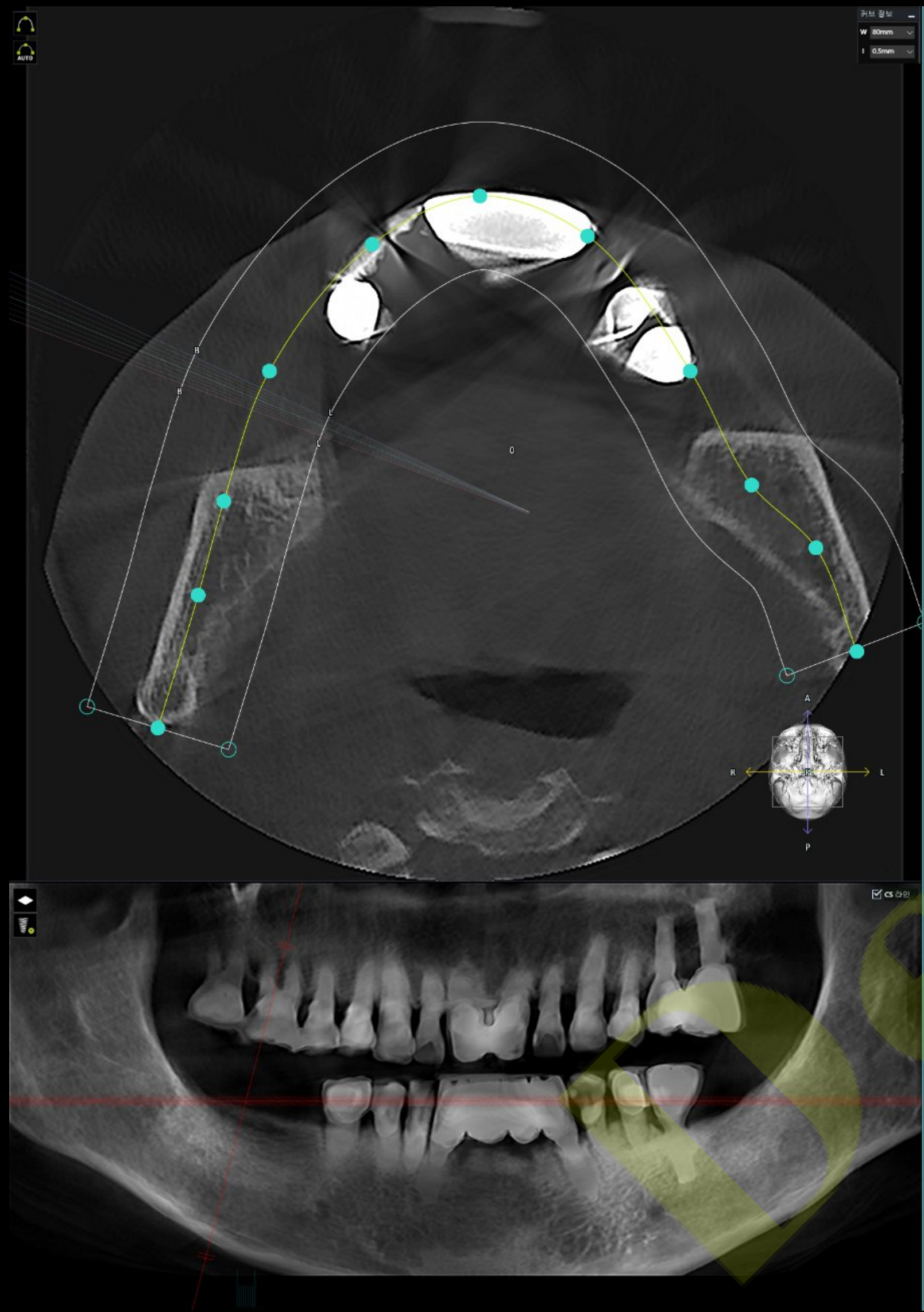
Follow up : 2 years 4 months (2022-09-28)



Pre-op (2022-12-08)

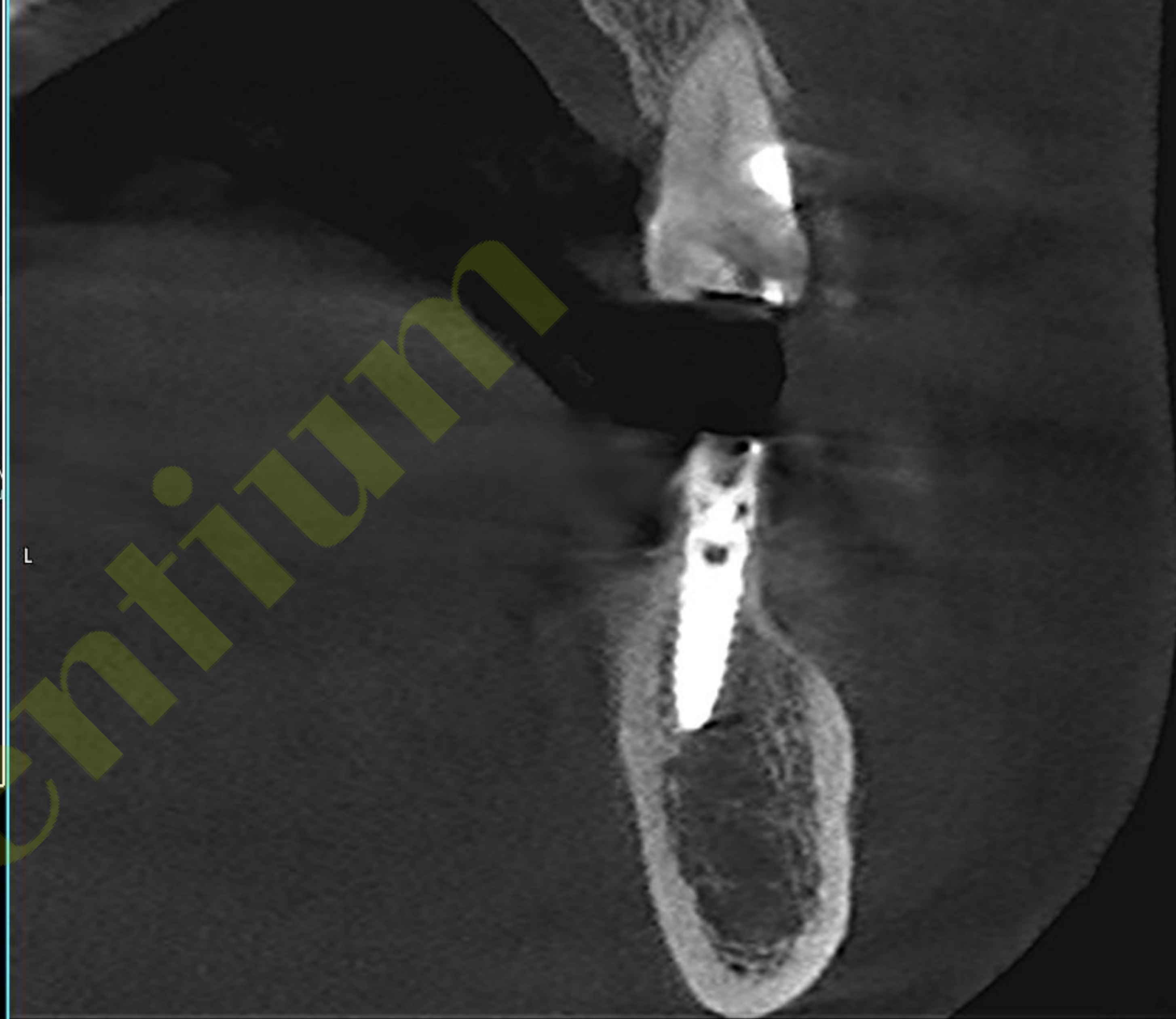
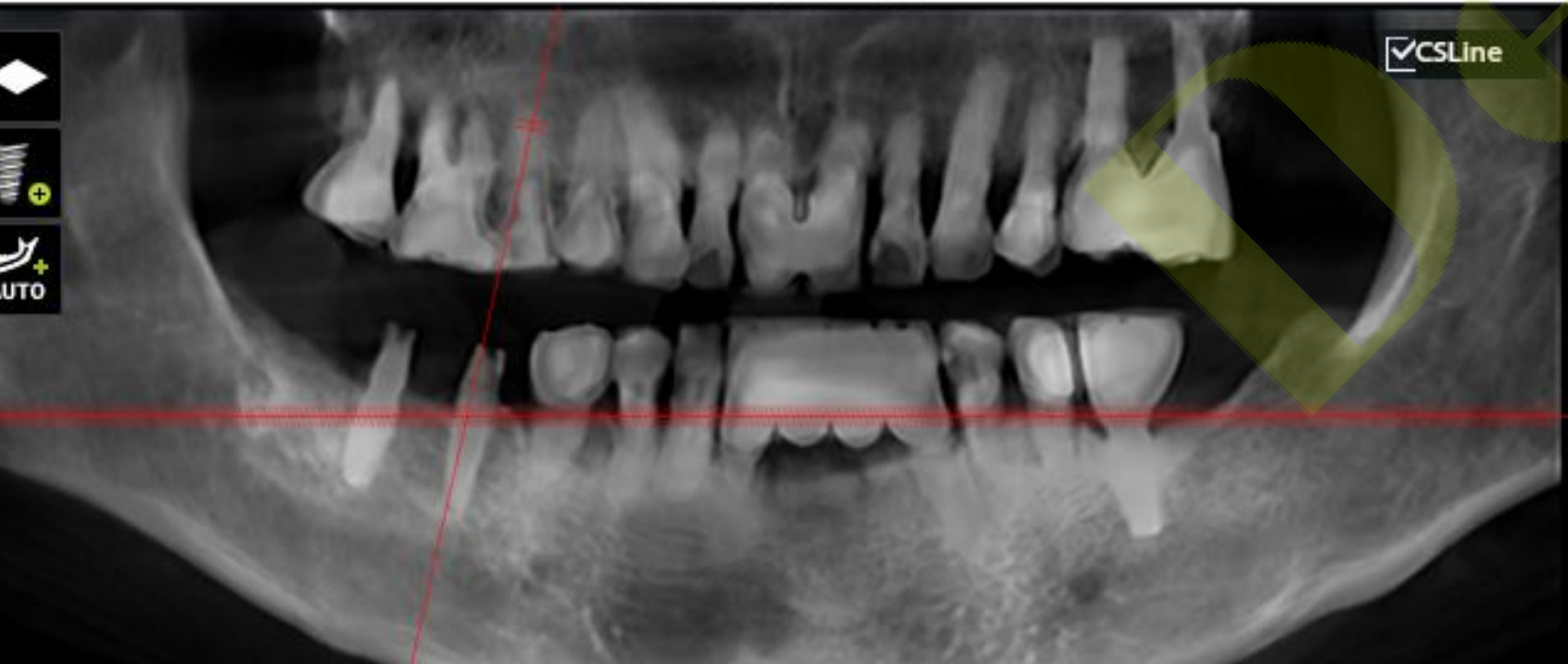
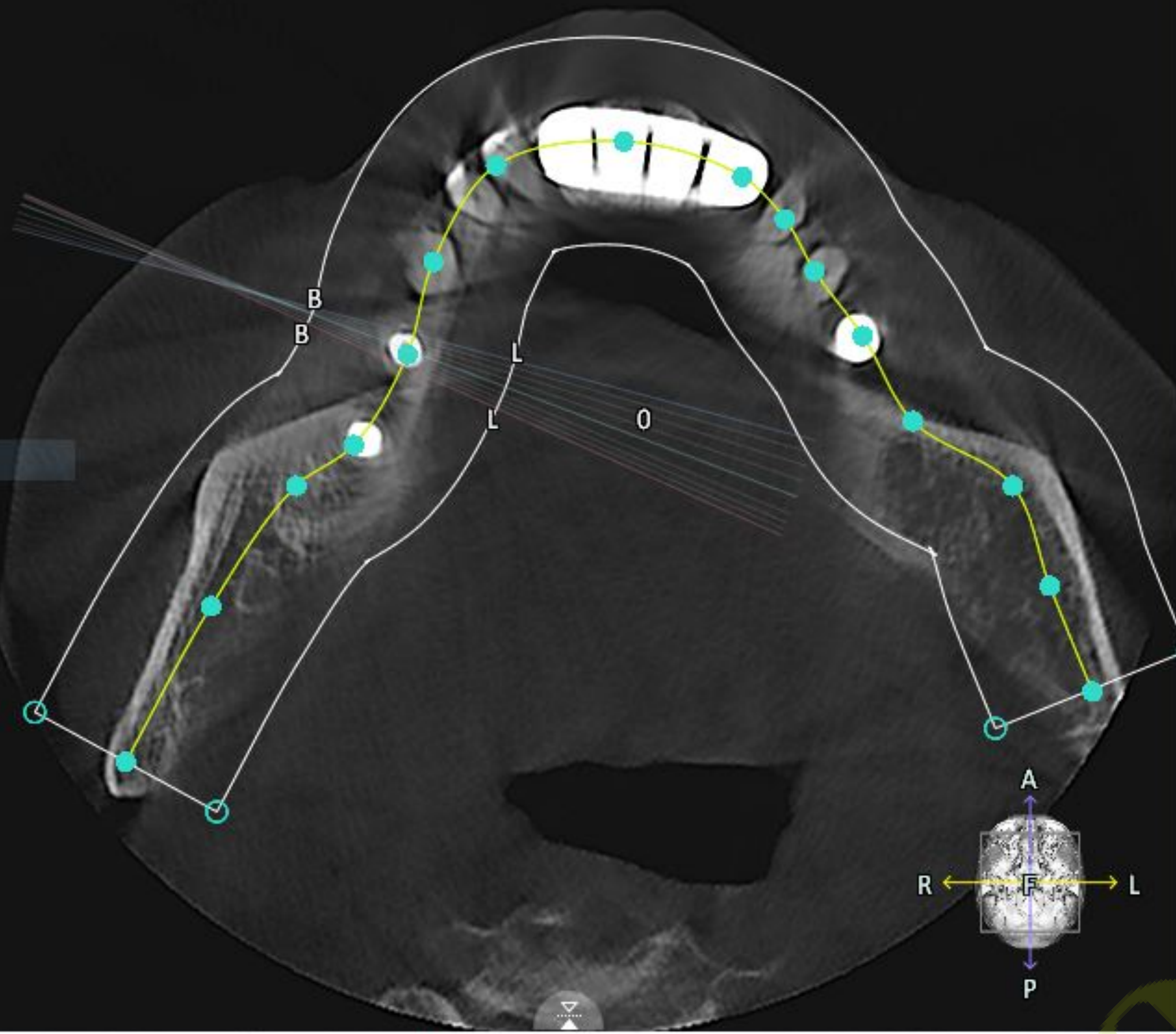


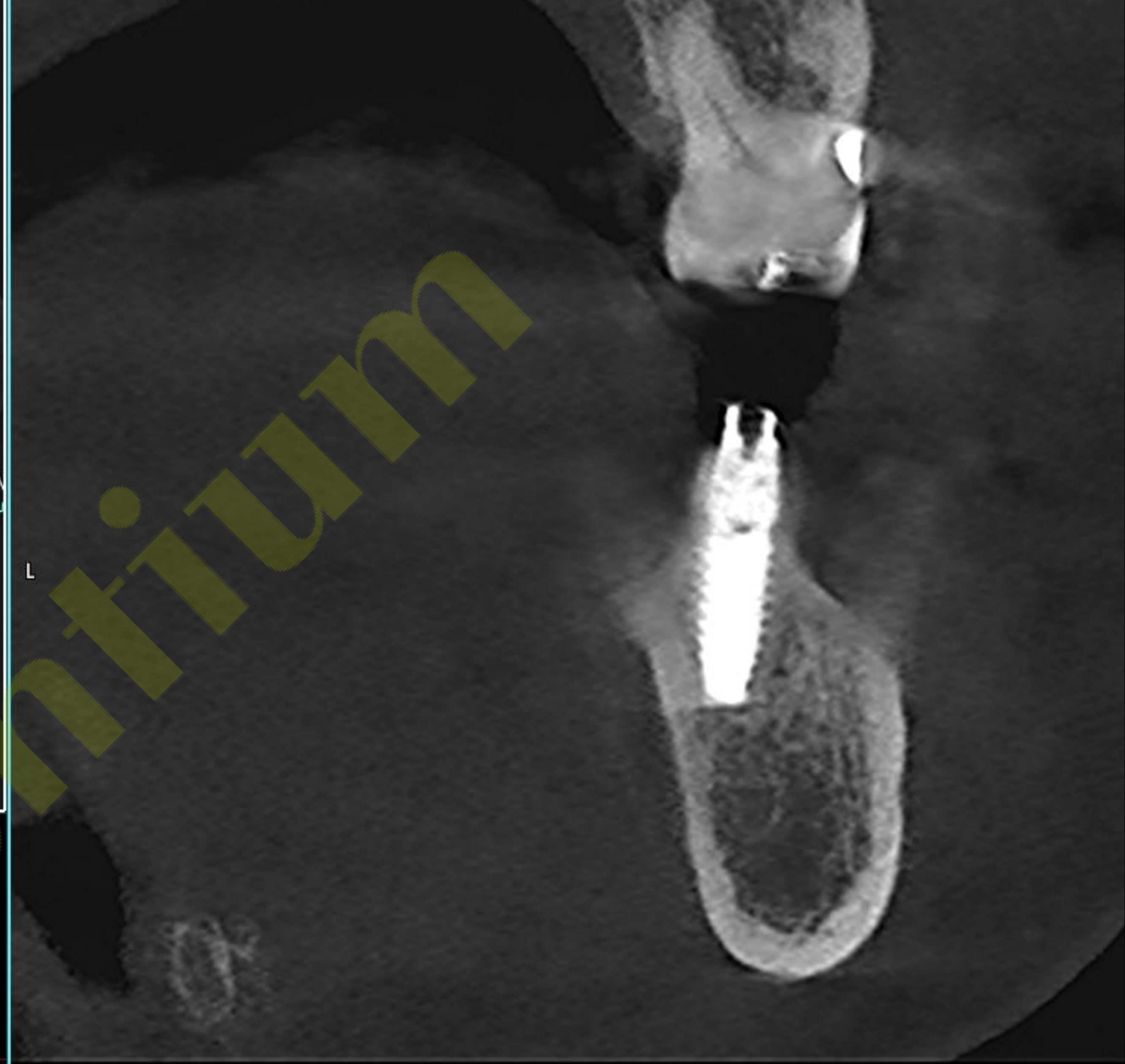
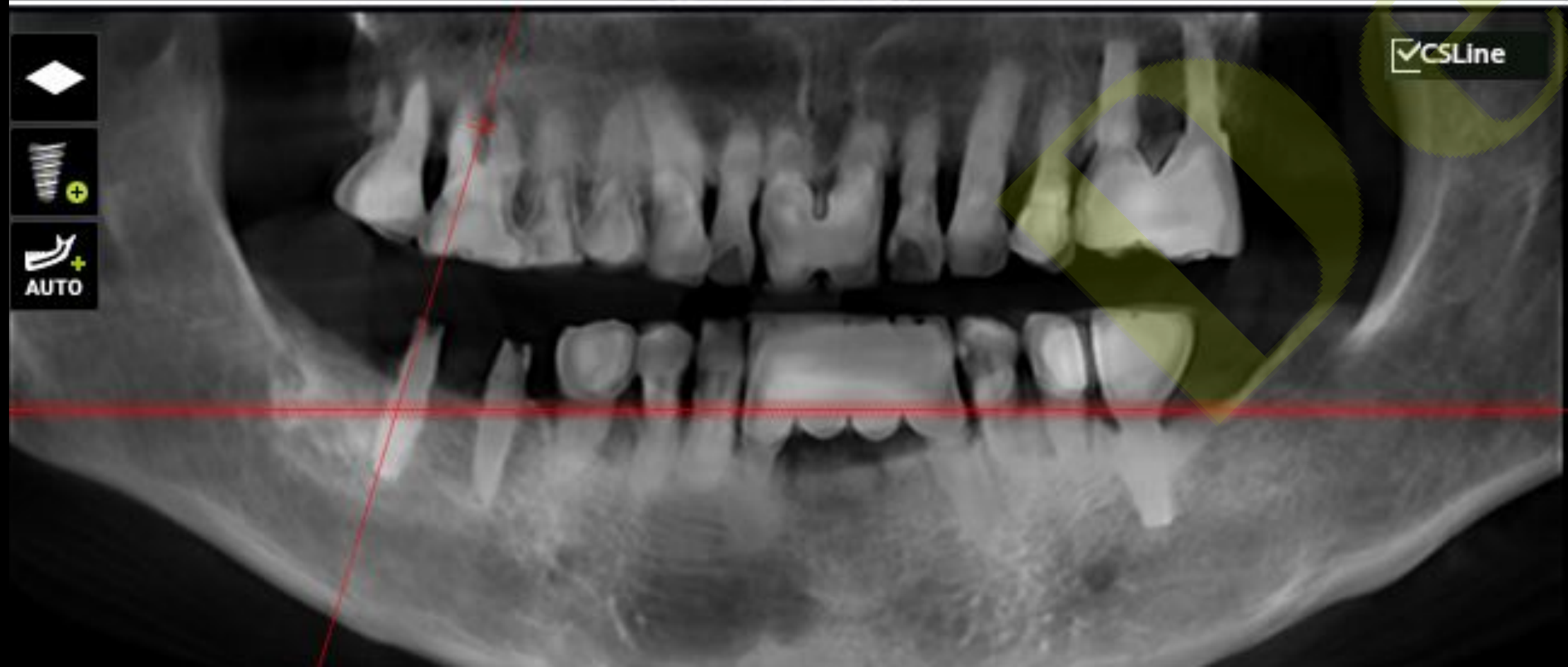
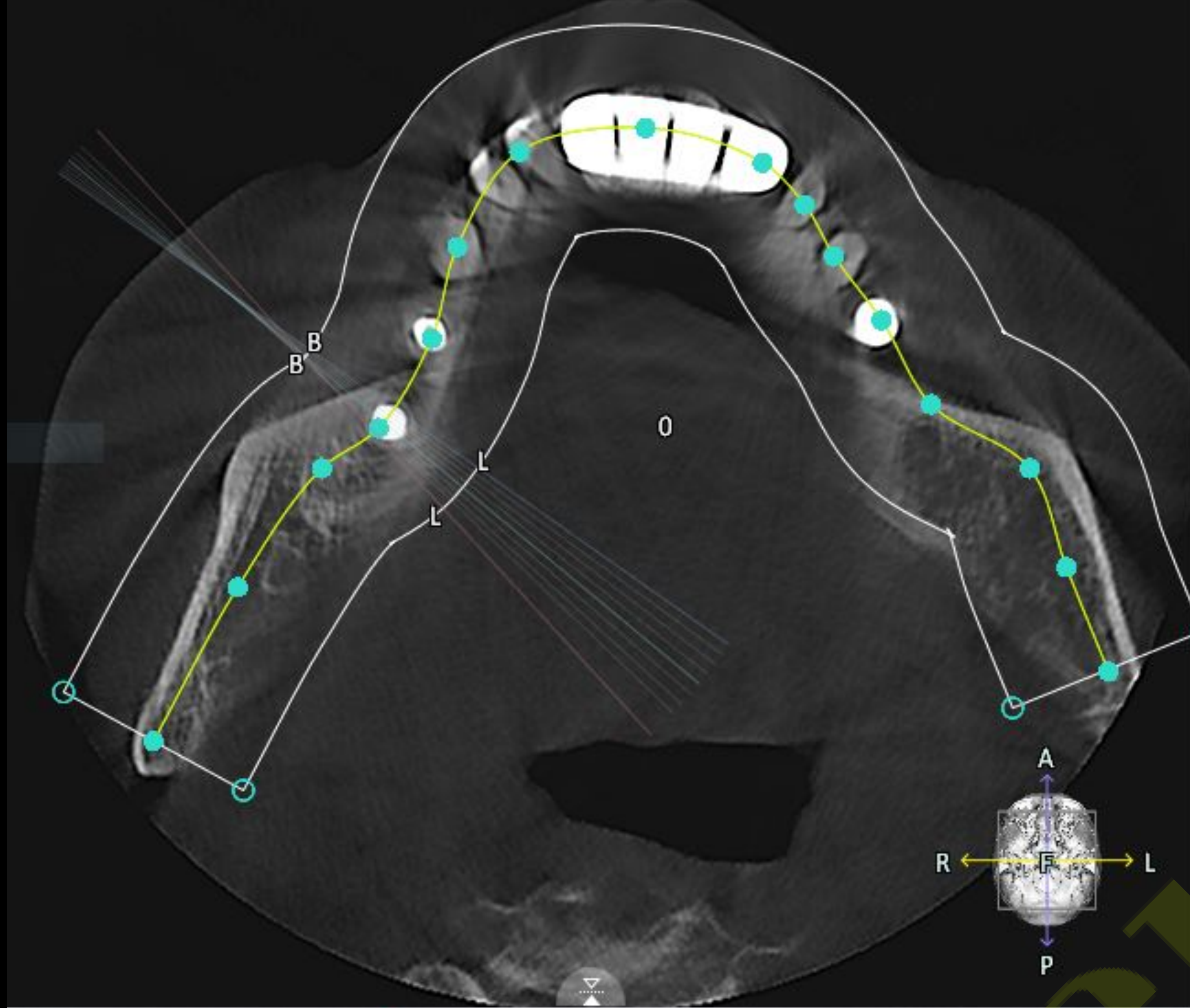




Post-op (2023-04-26)







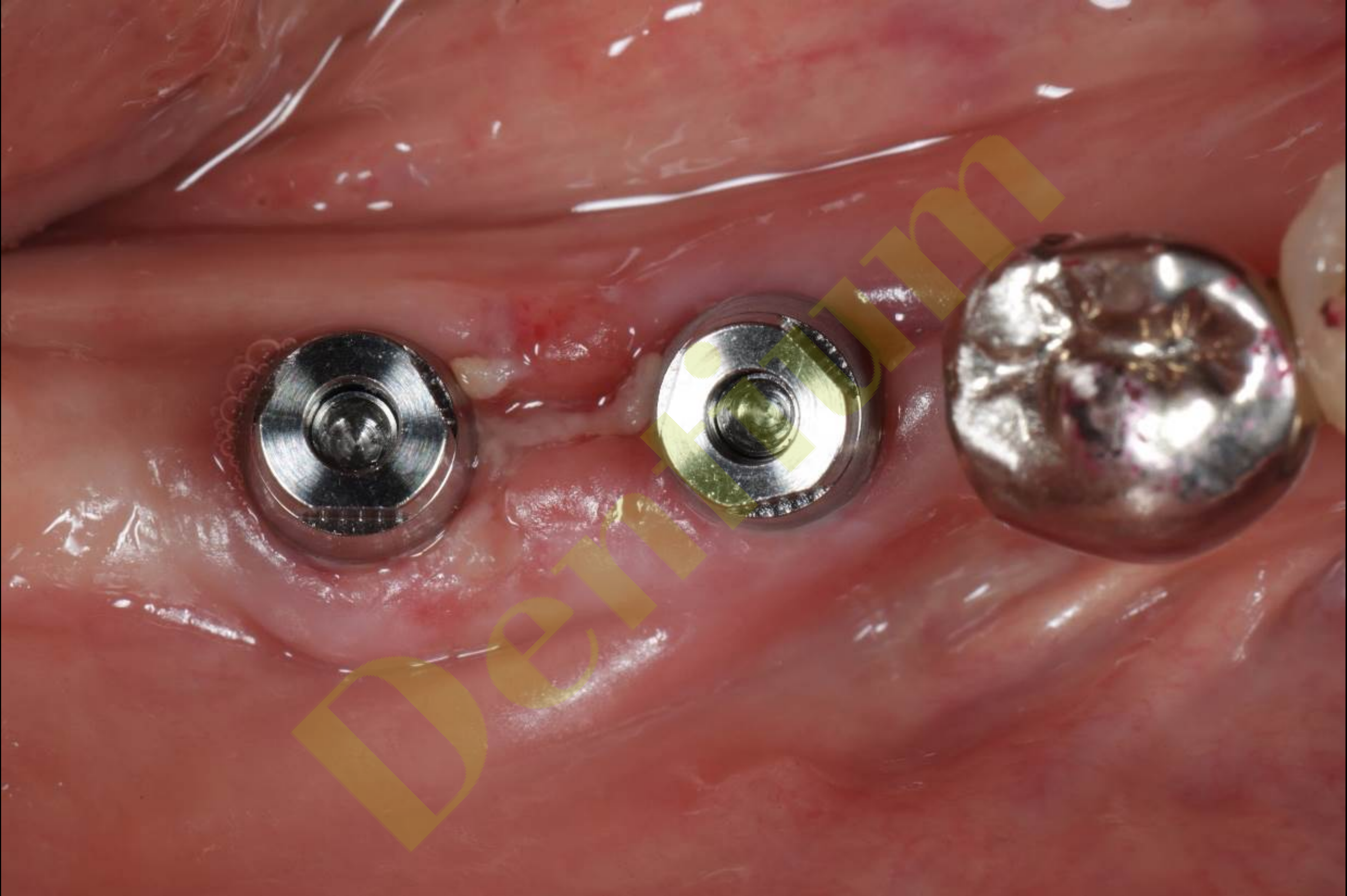
Pre-op (2023-04-19)



Surgery (2023-04-19)



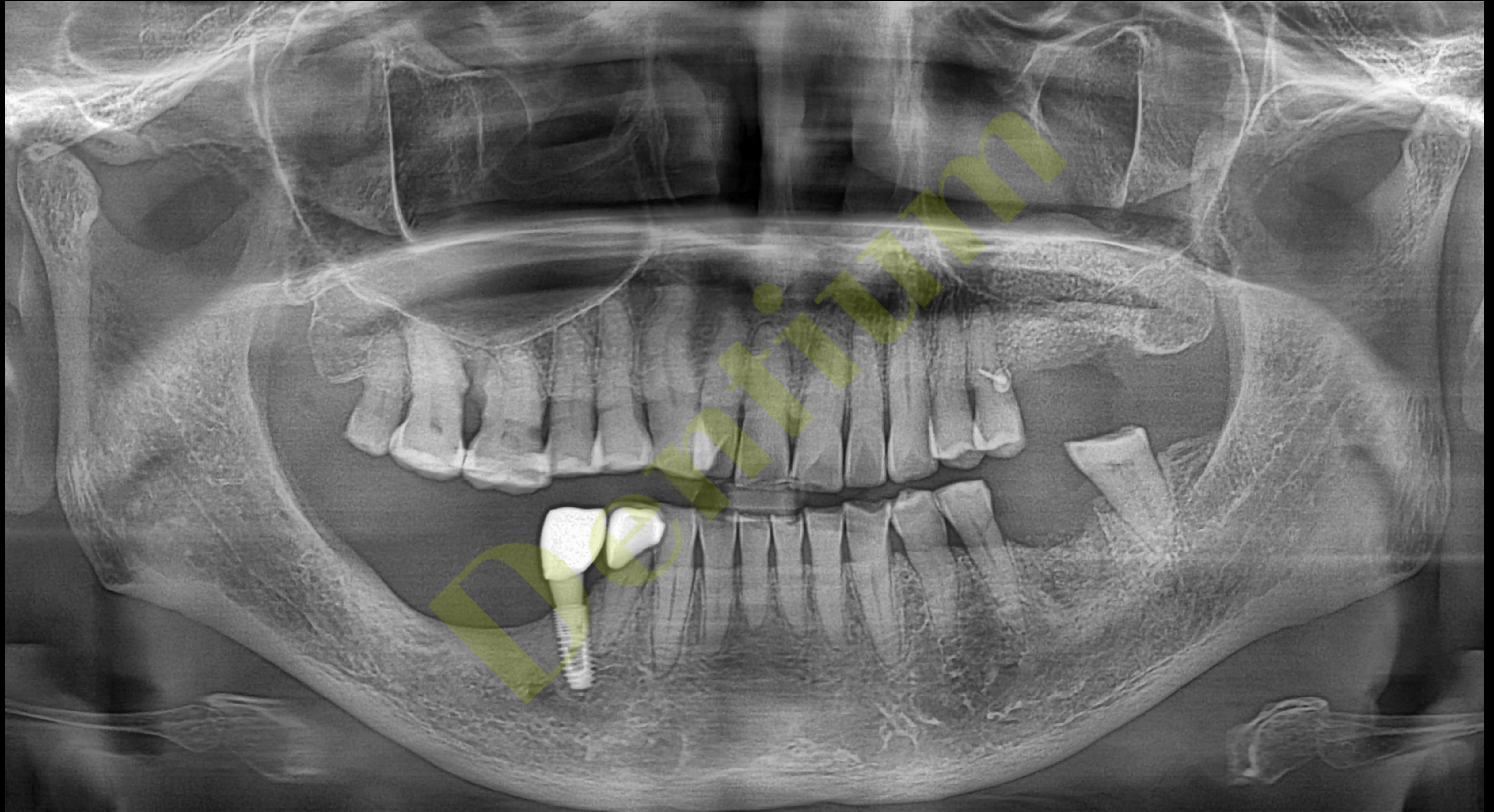
Healing 1 week (2023-04-26)



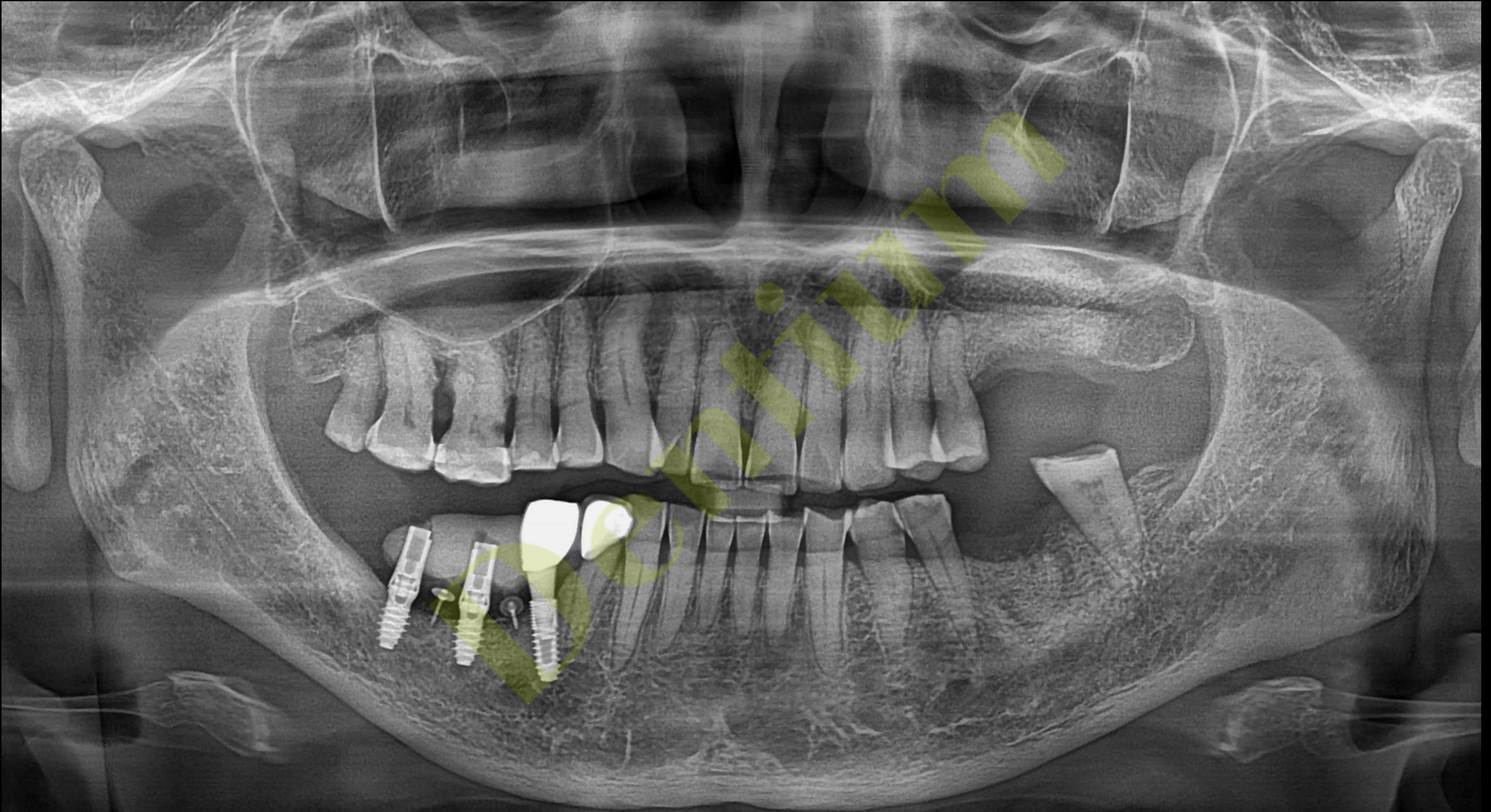
Final prosthesis (2023-09-18)

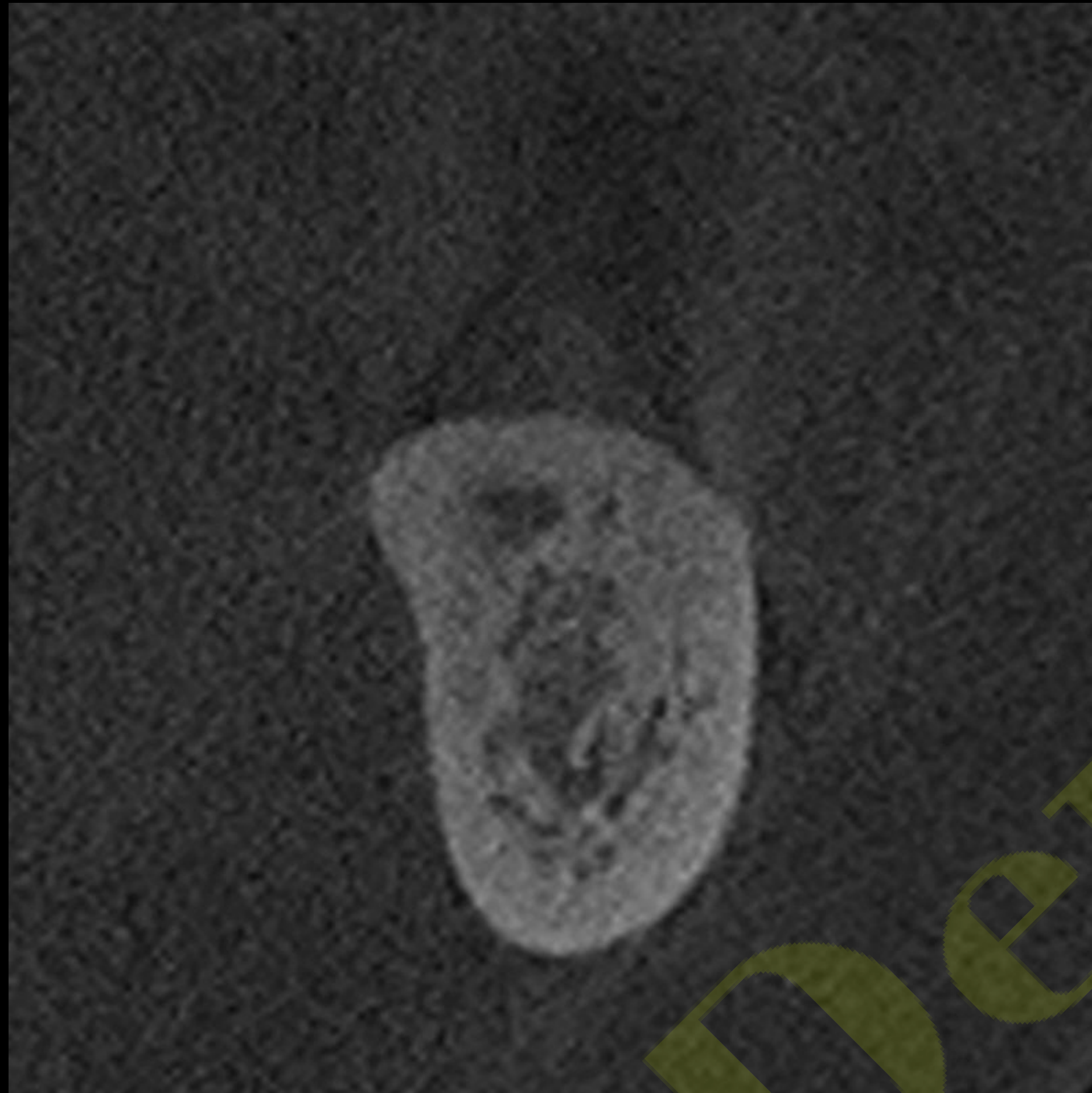


Pre-op (2021-11-04)

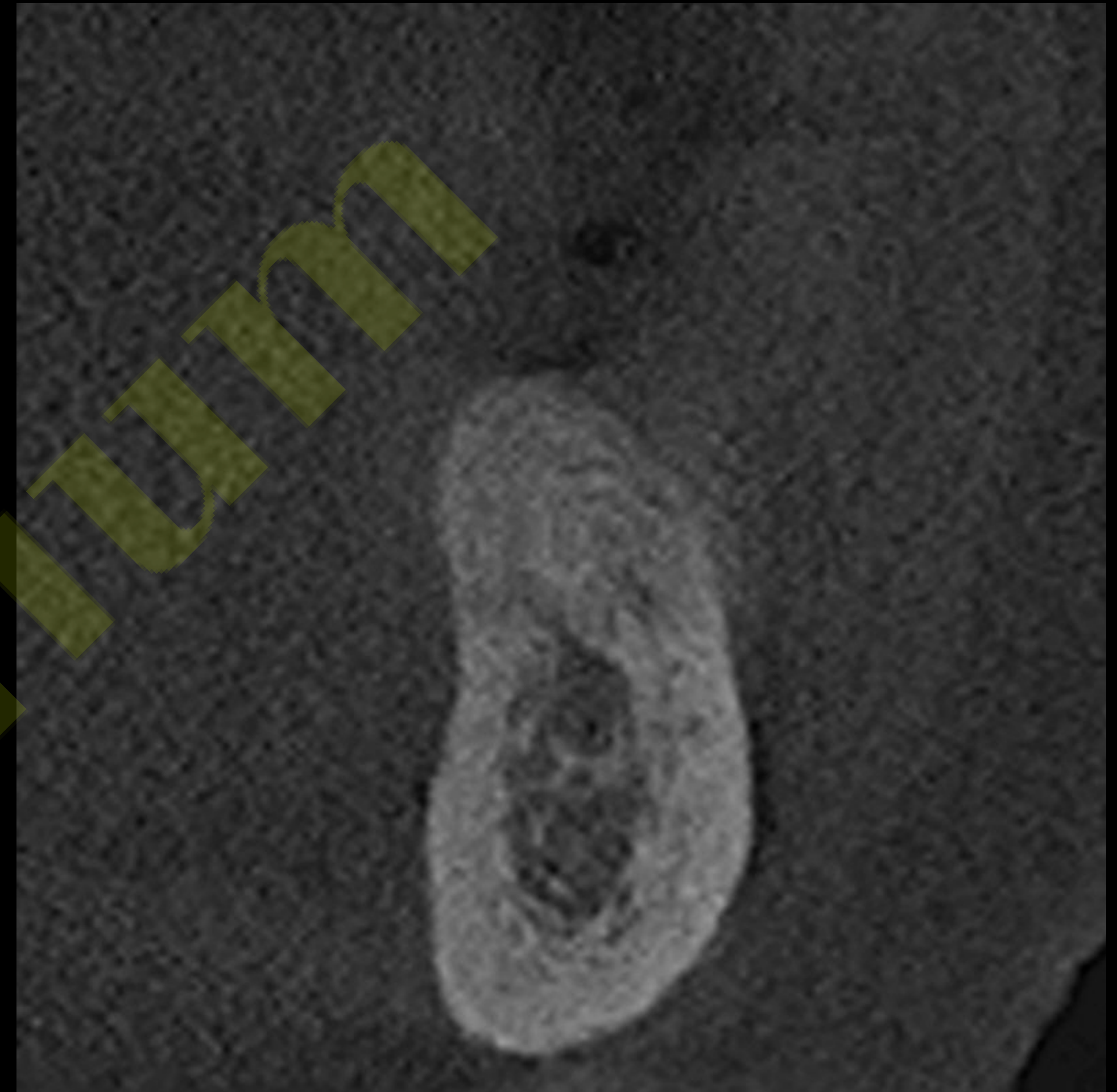


Post-op (2022-01-13)





#47



#46



#47



#46

Final prosthesis (2022-06-10)



Contents

Upper post

Lower post

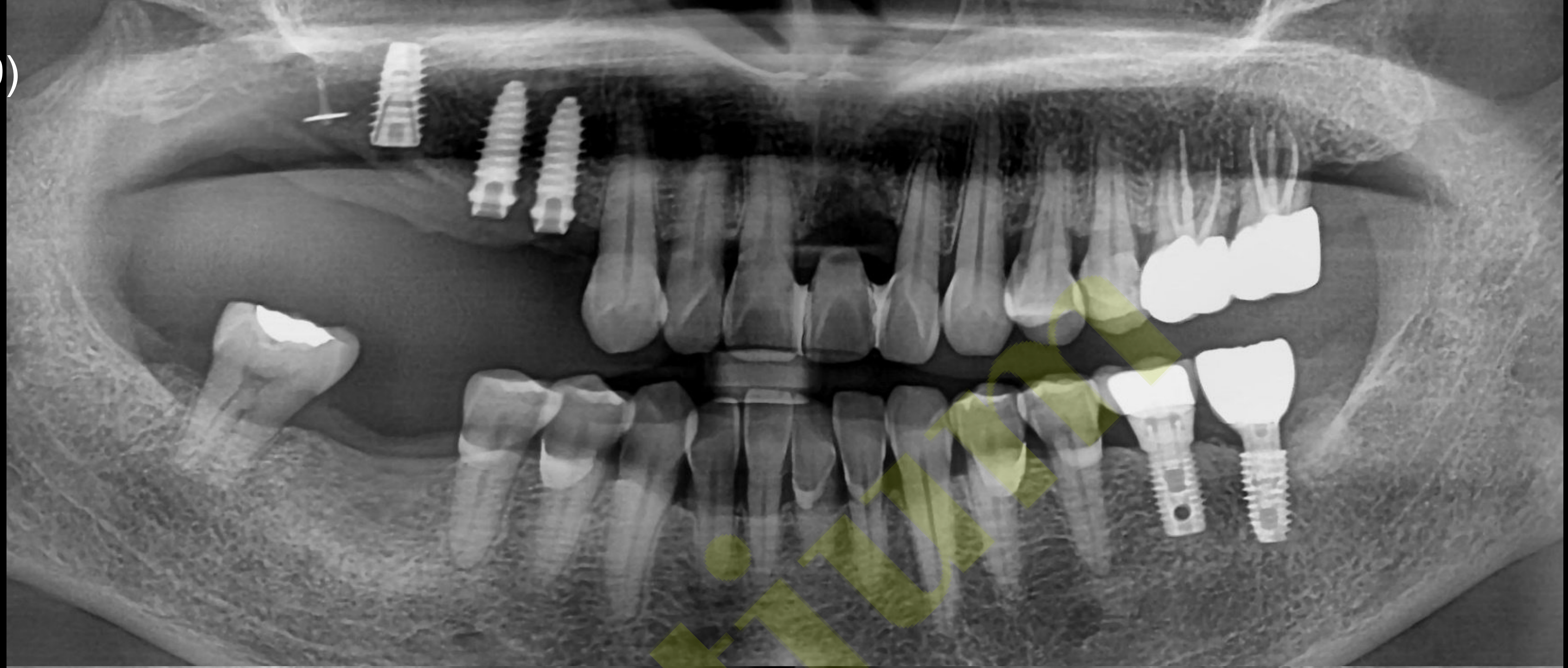
Upper ant

Lower ant

Edentulous

Orthodontics

Oral exam (2022-05-19)



Healing 1 week (2022-08-03)



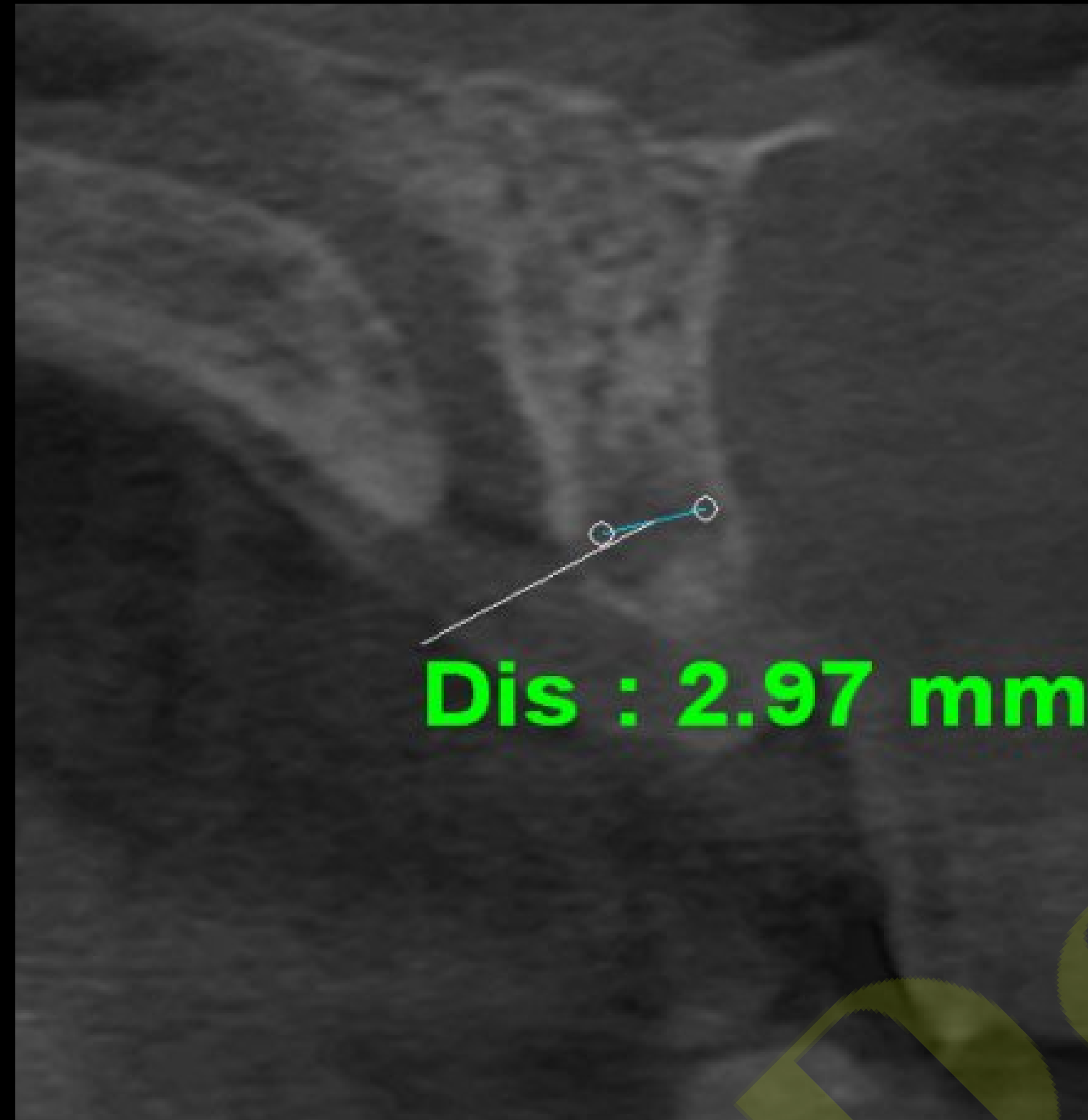
Pre-op (2022-07-27)



Healing : 1 week (2022-08-03)



Pre-op (2022-07-27)



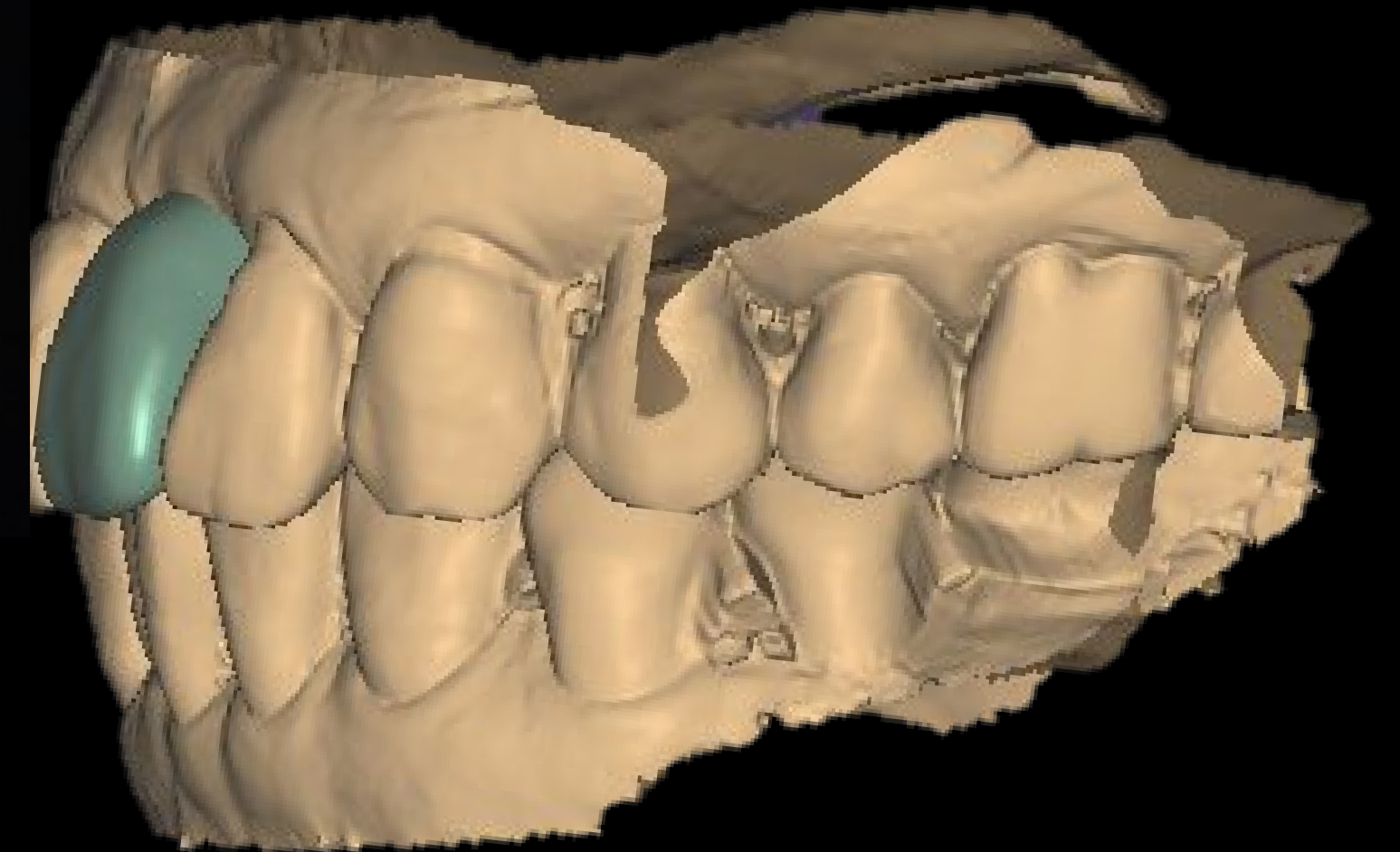
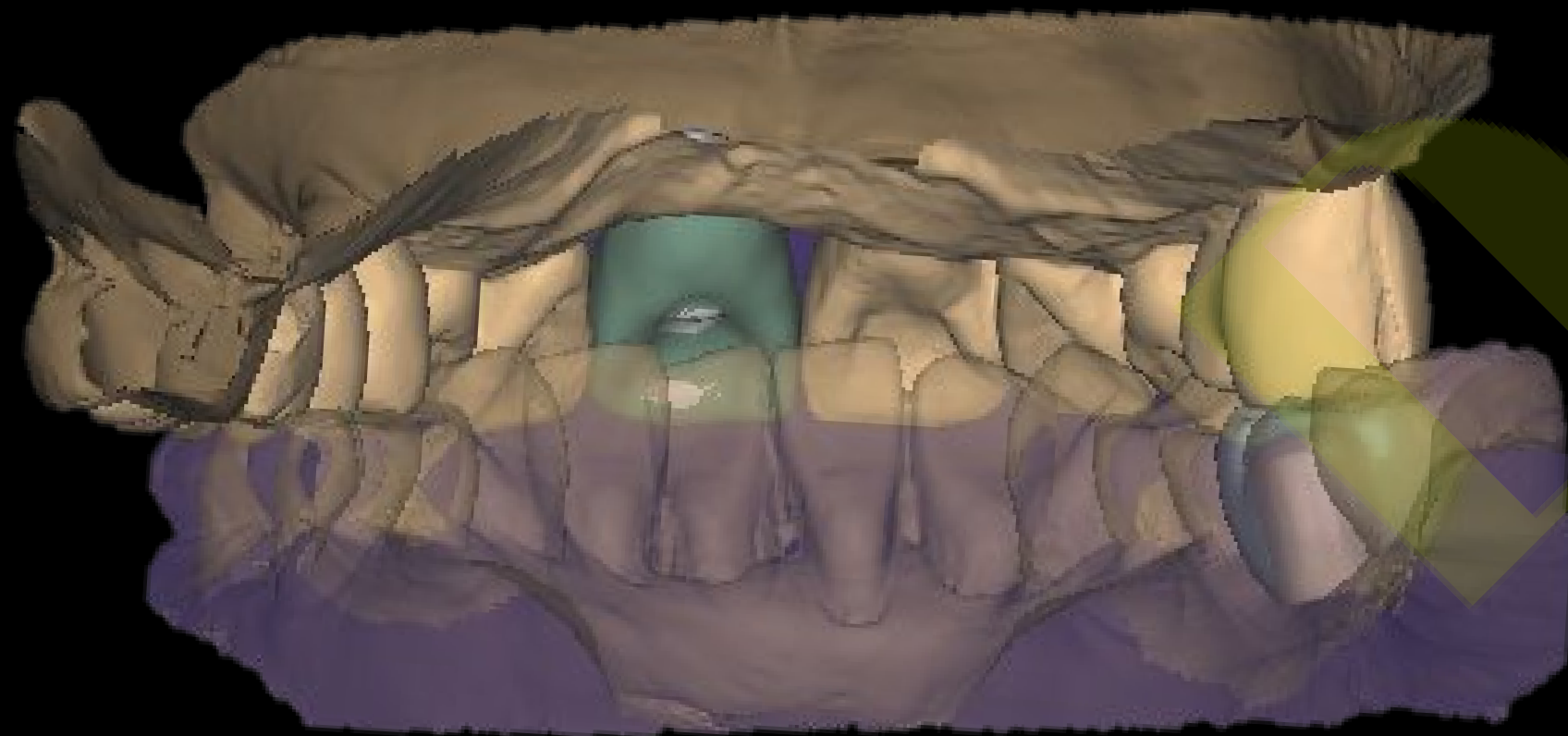
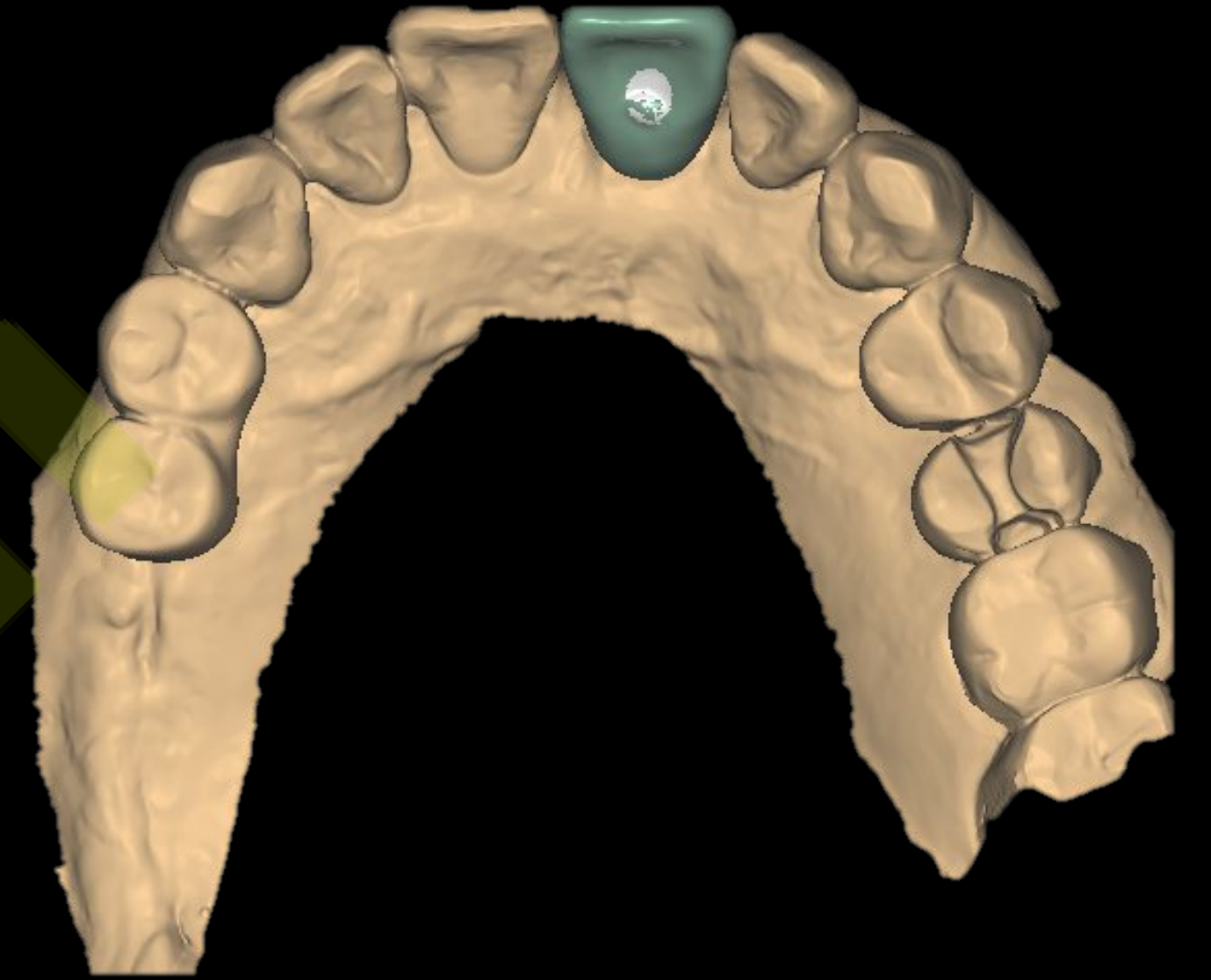
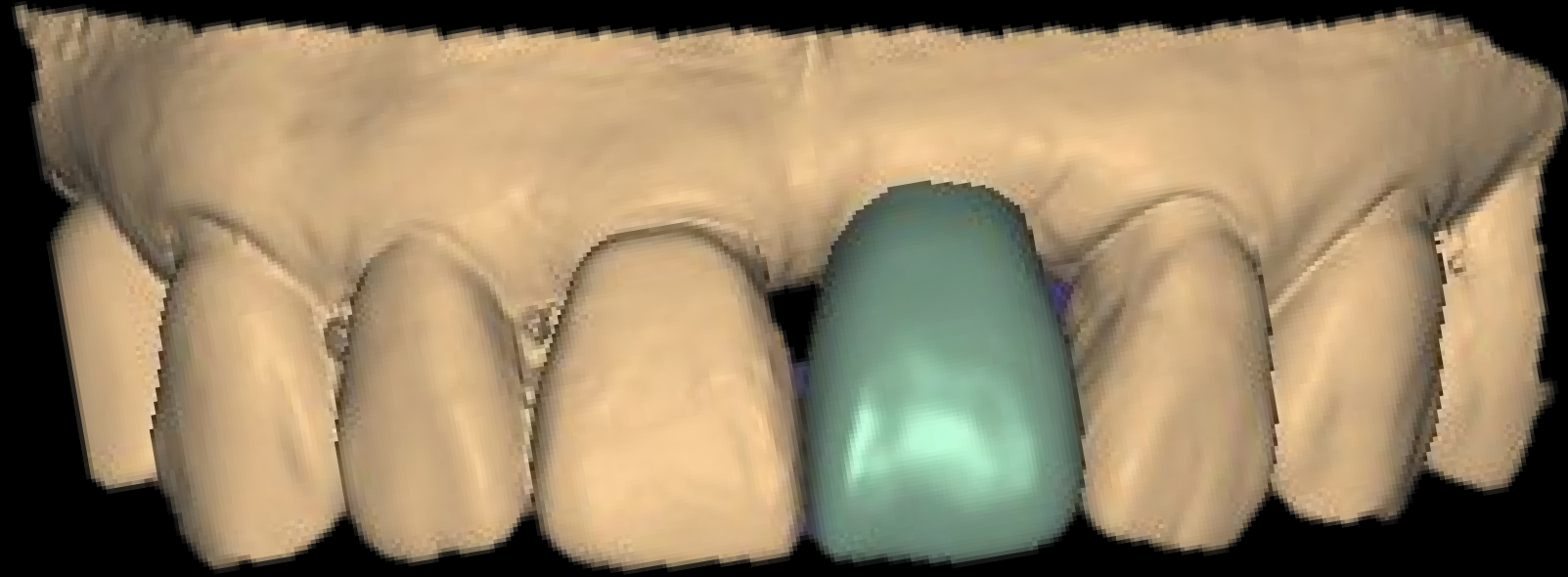
Post-op (2022-07-27)



Intra-oral scanning (Temporary)



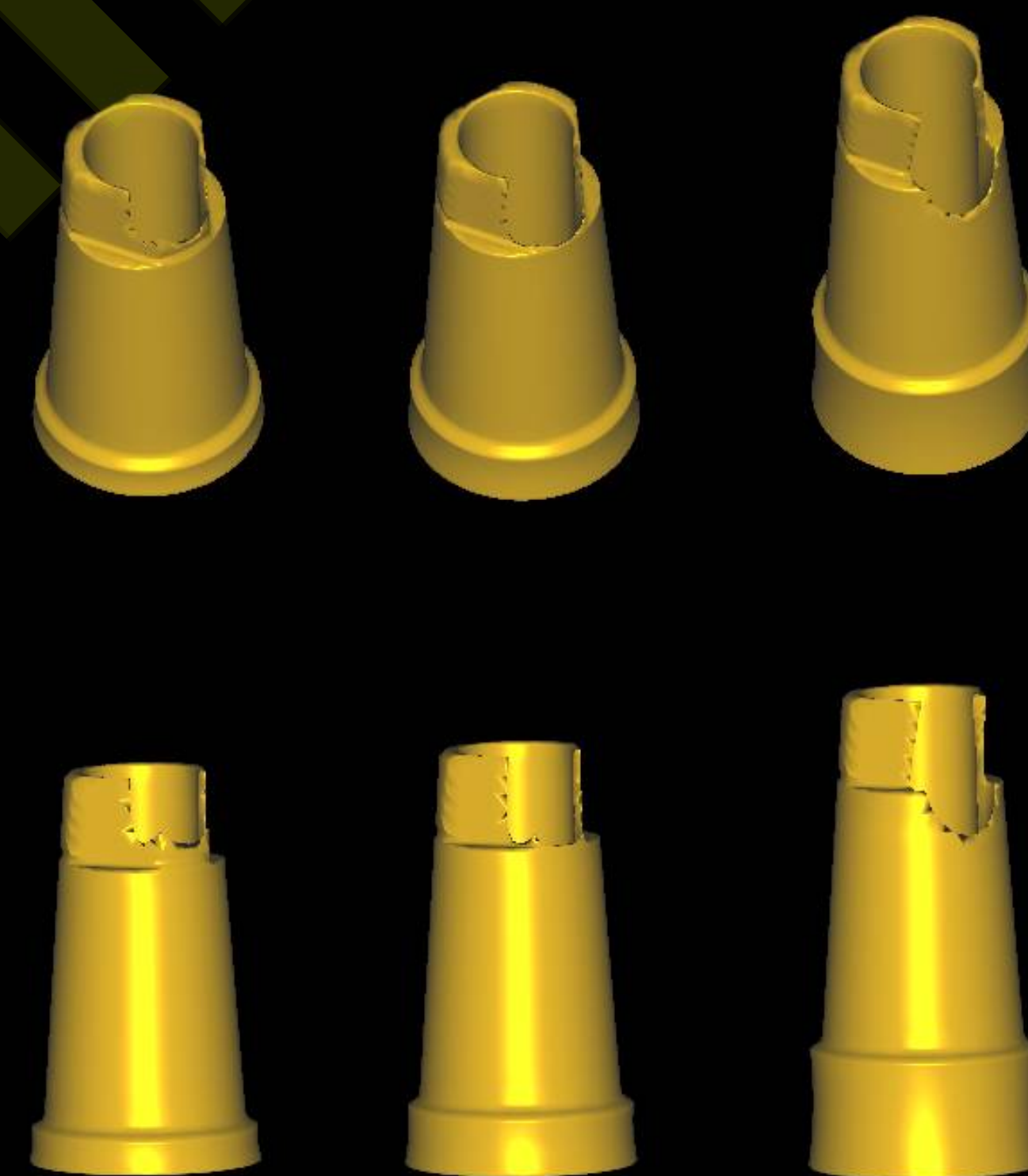
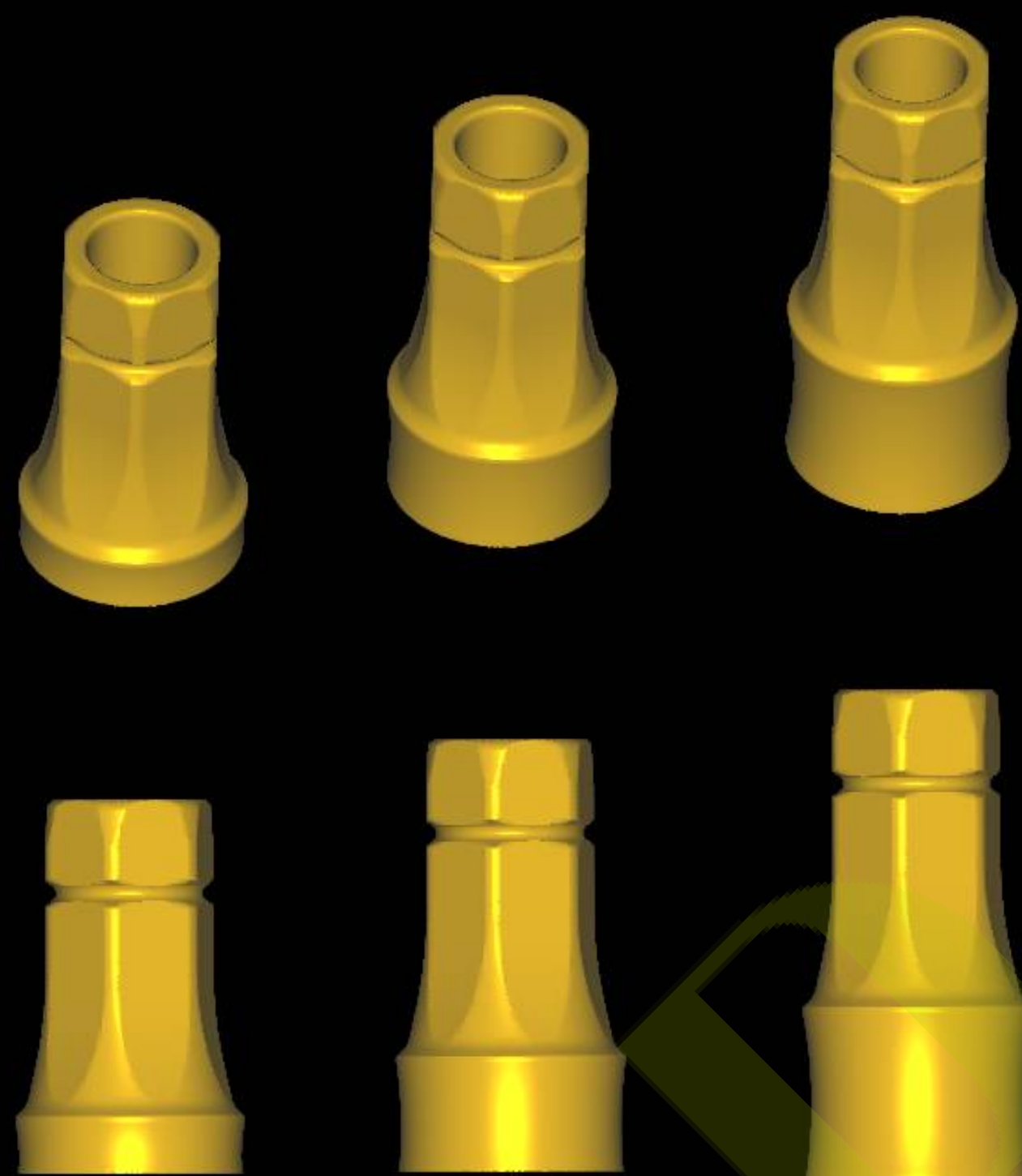
CAD (Temporary)



Cad Design

Metal Link

Digital Abutment



G/H

1.0

2.0

3.0

0.5

1.0

2.0

Angled Screw Driver



Provisional restoration (2022-08-31)



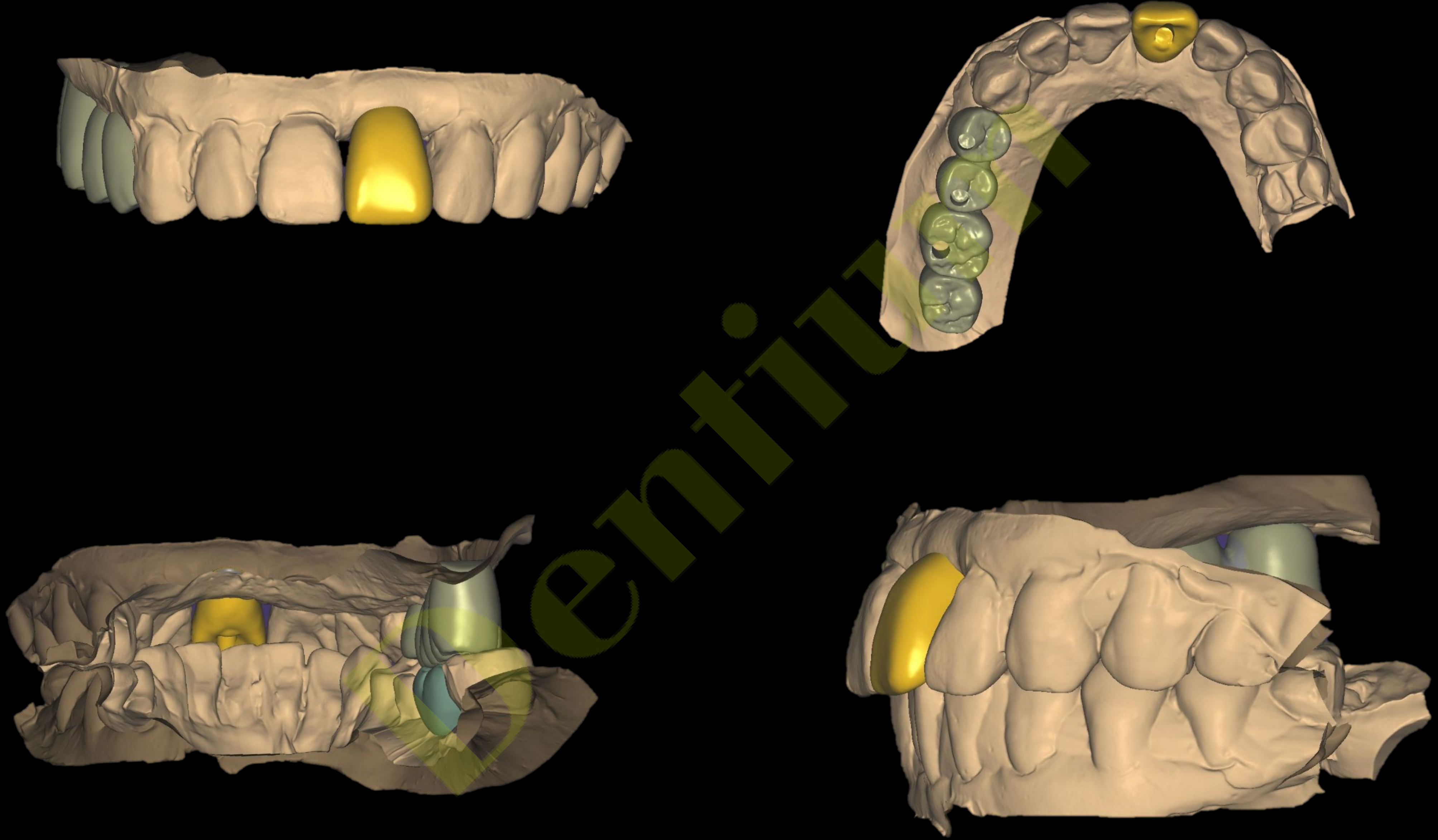
Final impression (2023-02-16)



IOS (for Final prosthesis)



#21 CAD (Final)



Milling / Sintering / Finishing

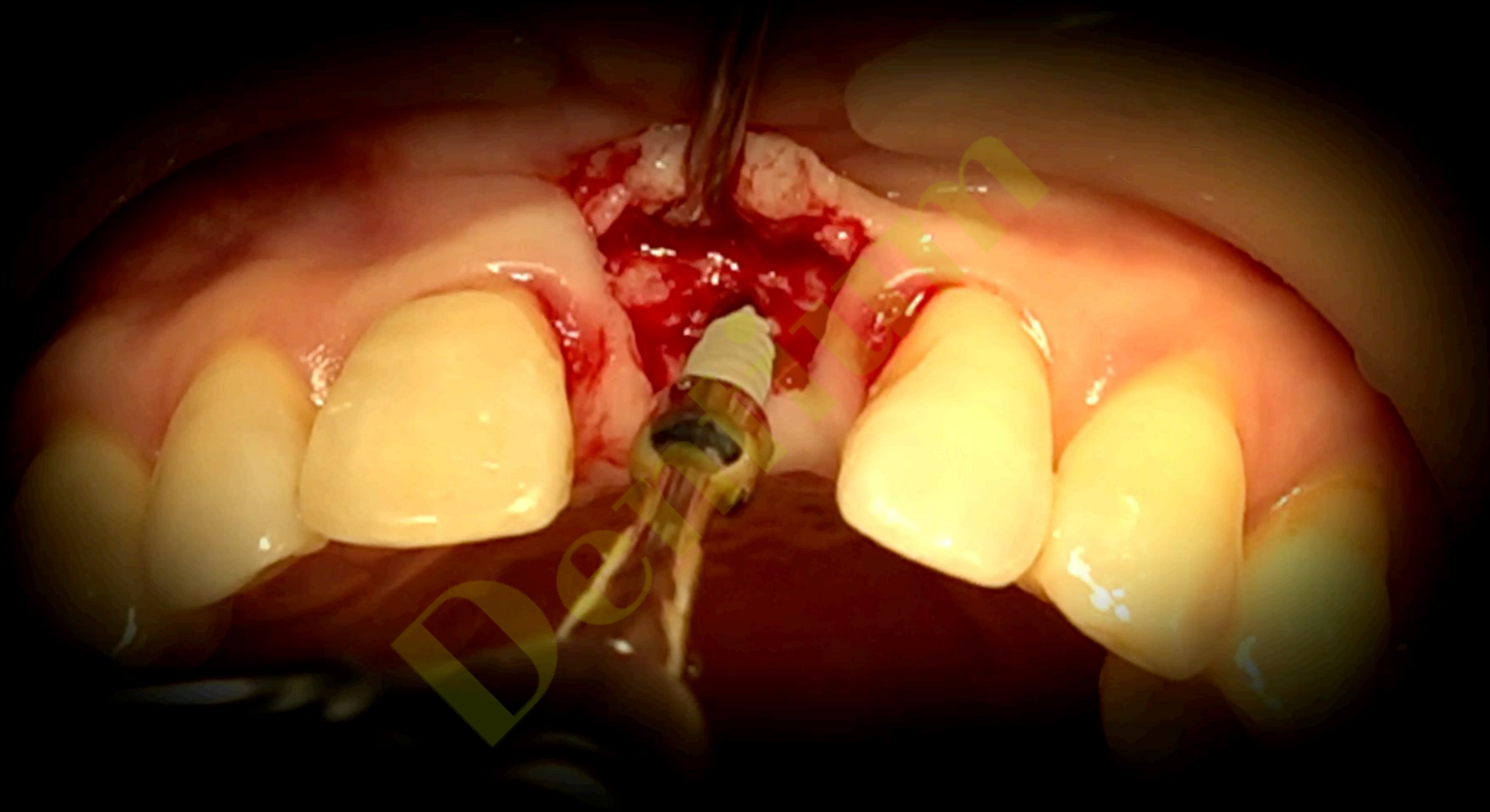
Multilayer block

Without any standing
Only glazing



Final prosthesis (2023-03-09)





Pre-op (2023-07-05)

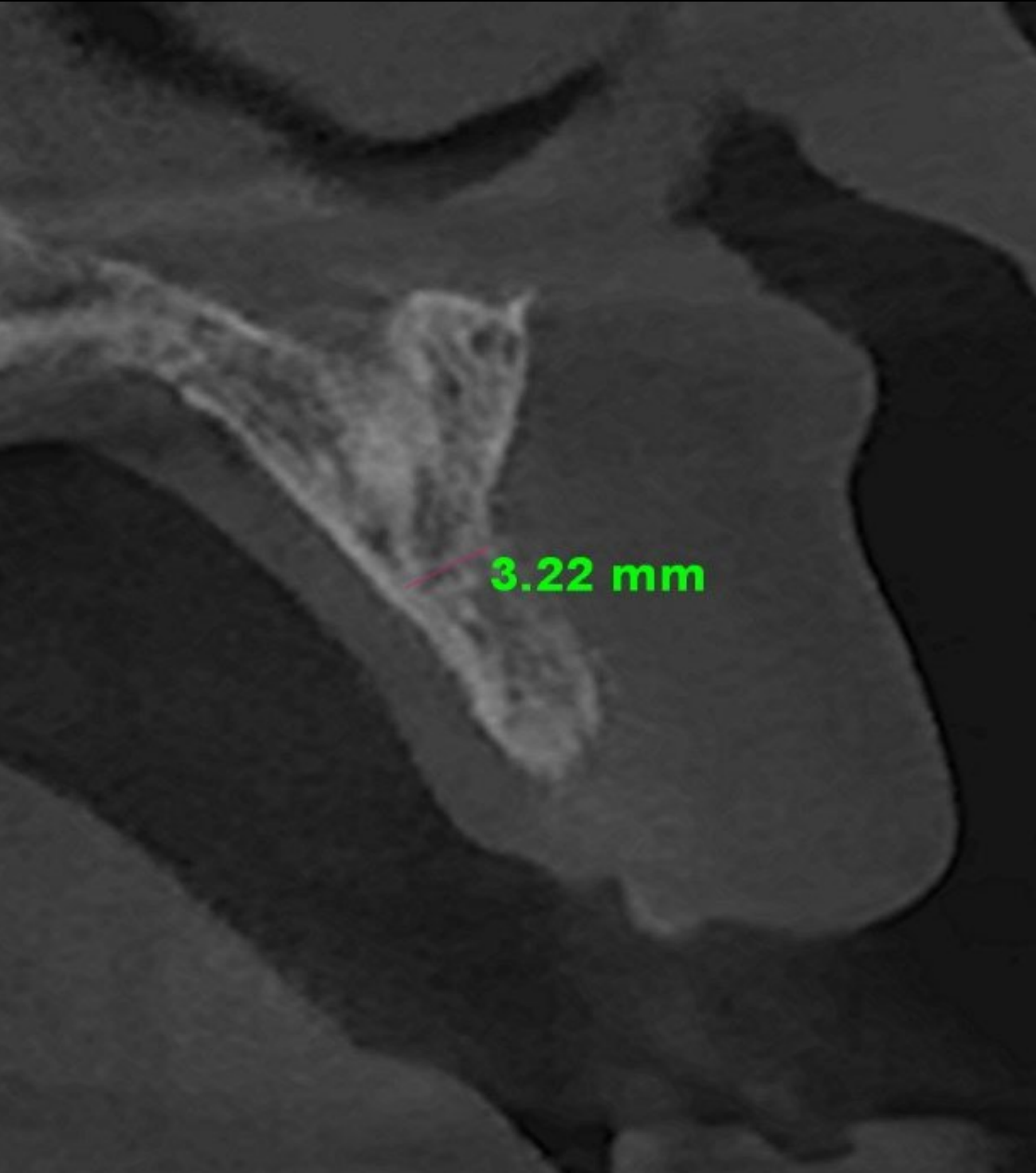


Post-op (2023-07-05)



Pre-op CT (2023-07-05)

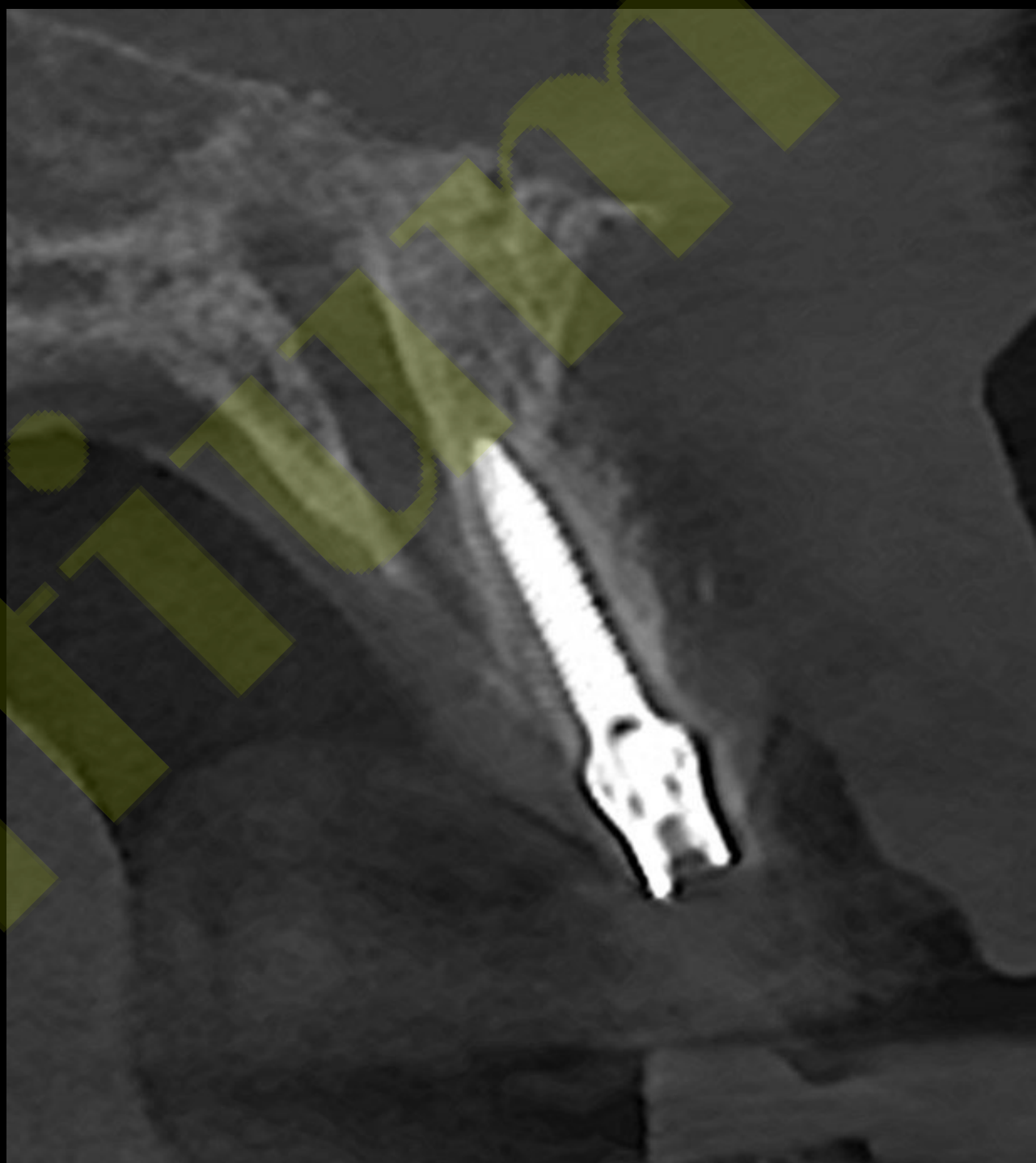
Post-op CT (2023-07-05)



#11



#13



#11

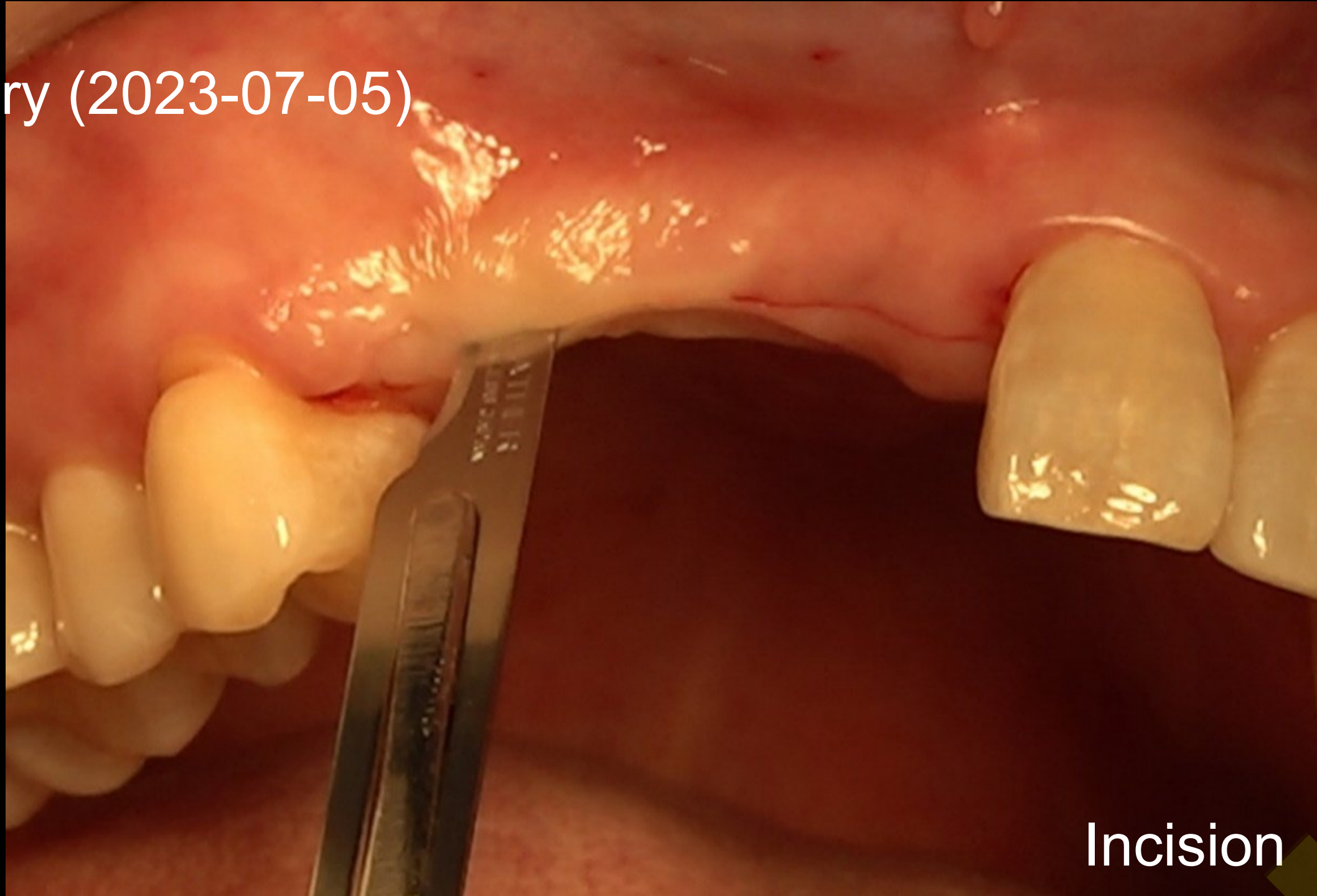


#13

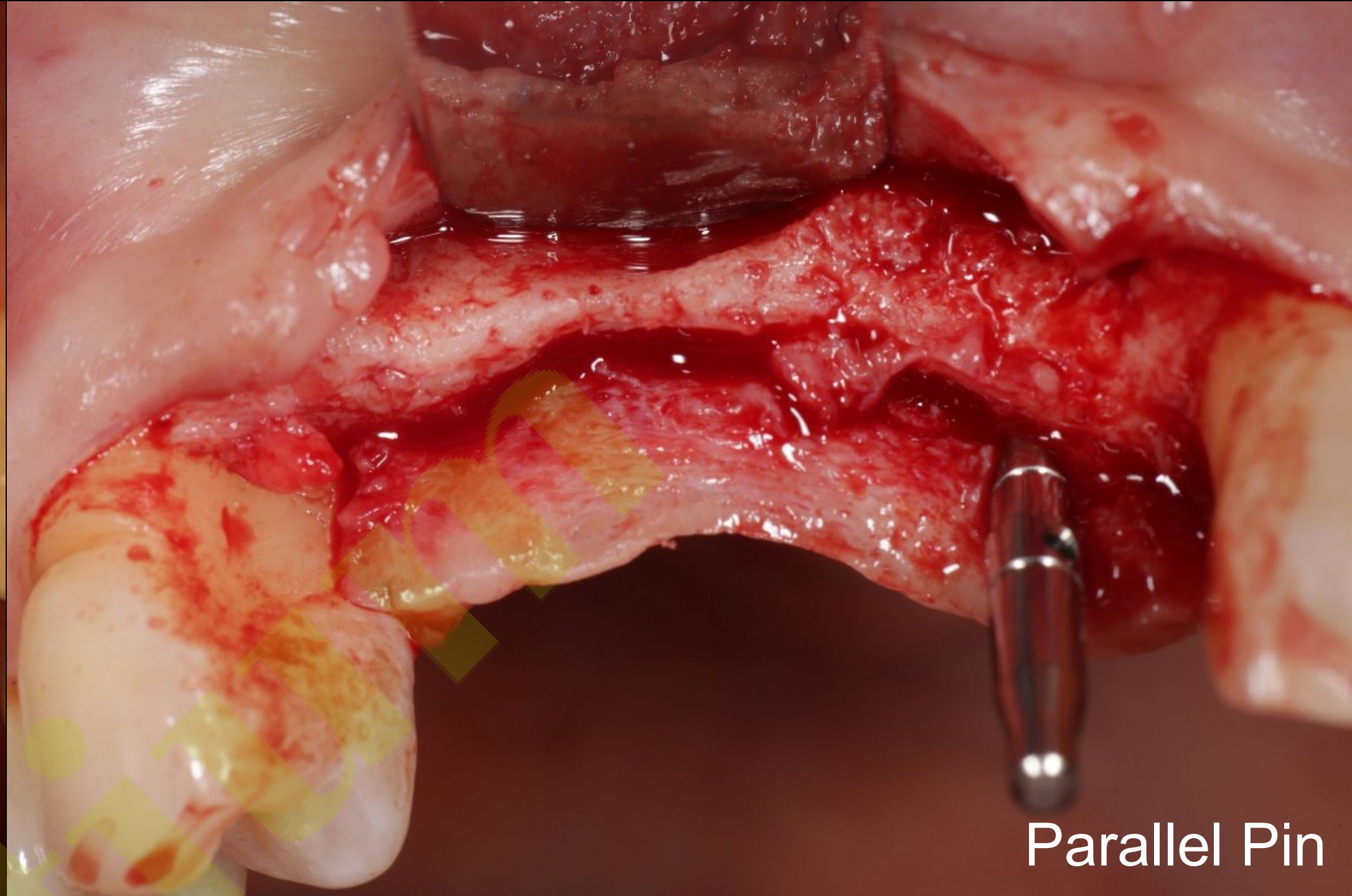
Pre-op (2023-07-05)



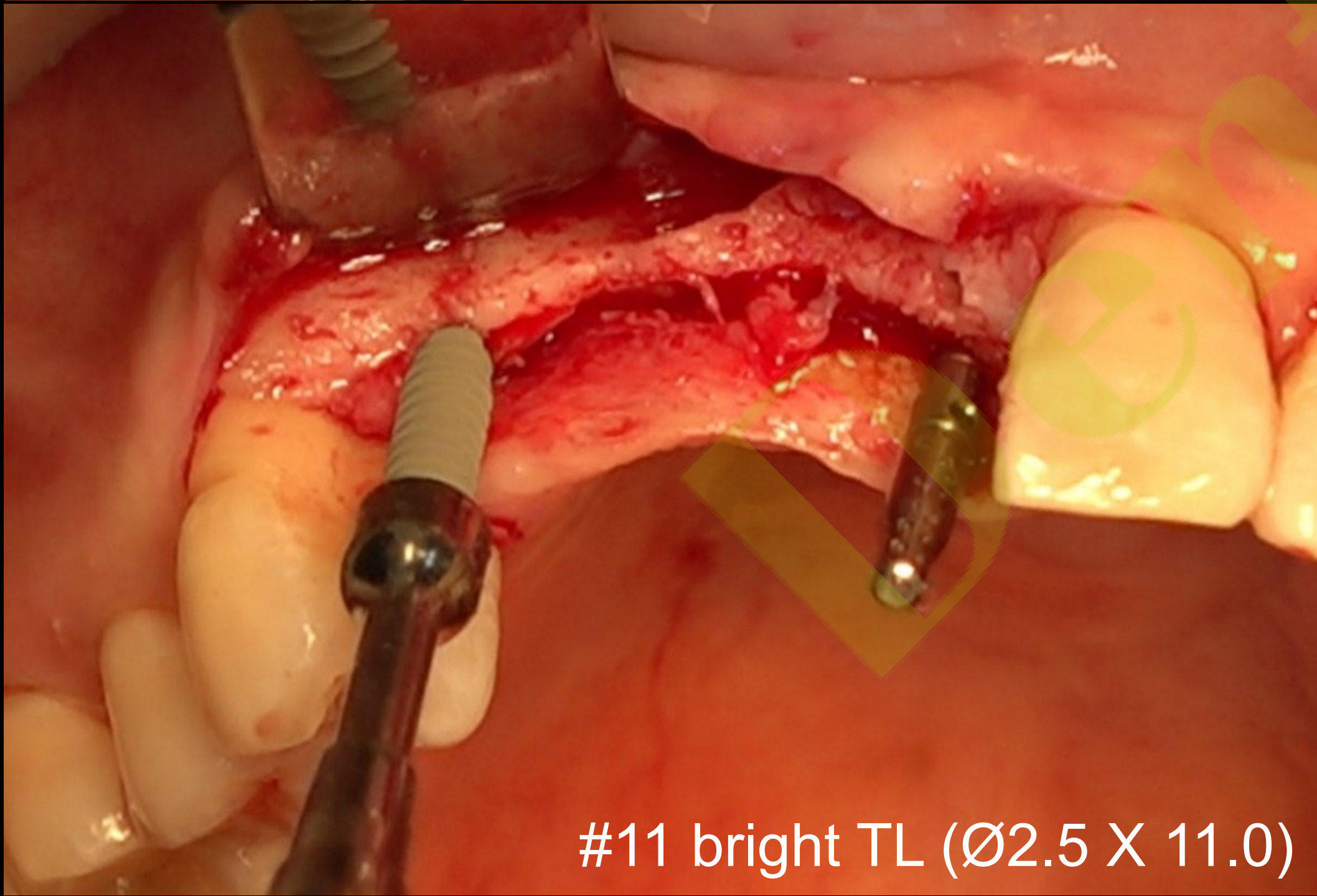
Surgery (2023-07-05)



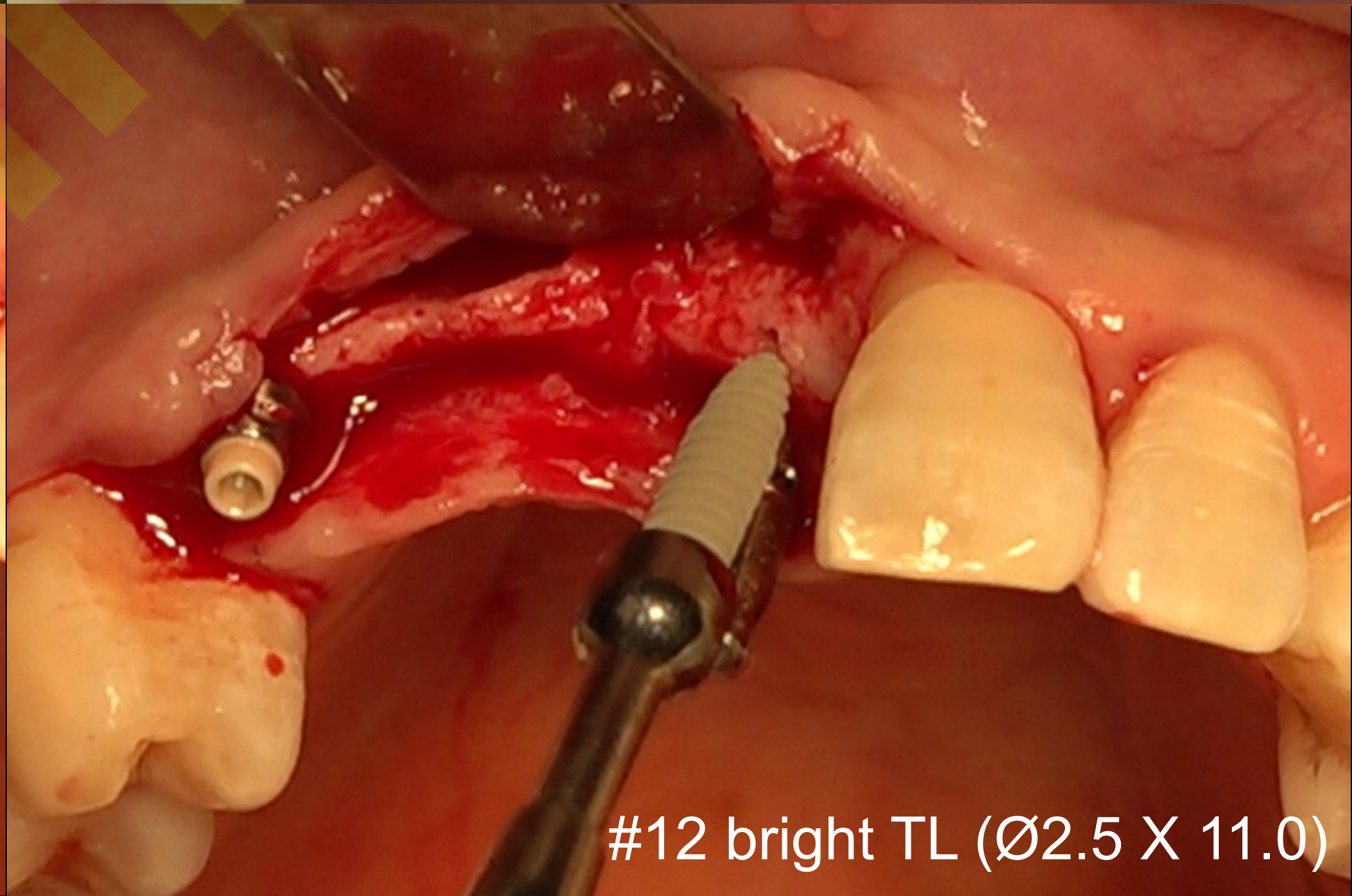
Incision



Parallel Pin

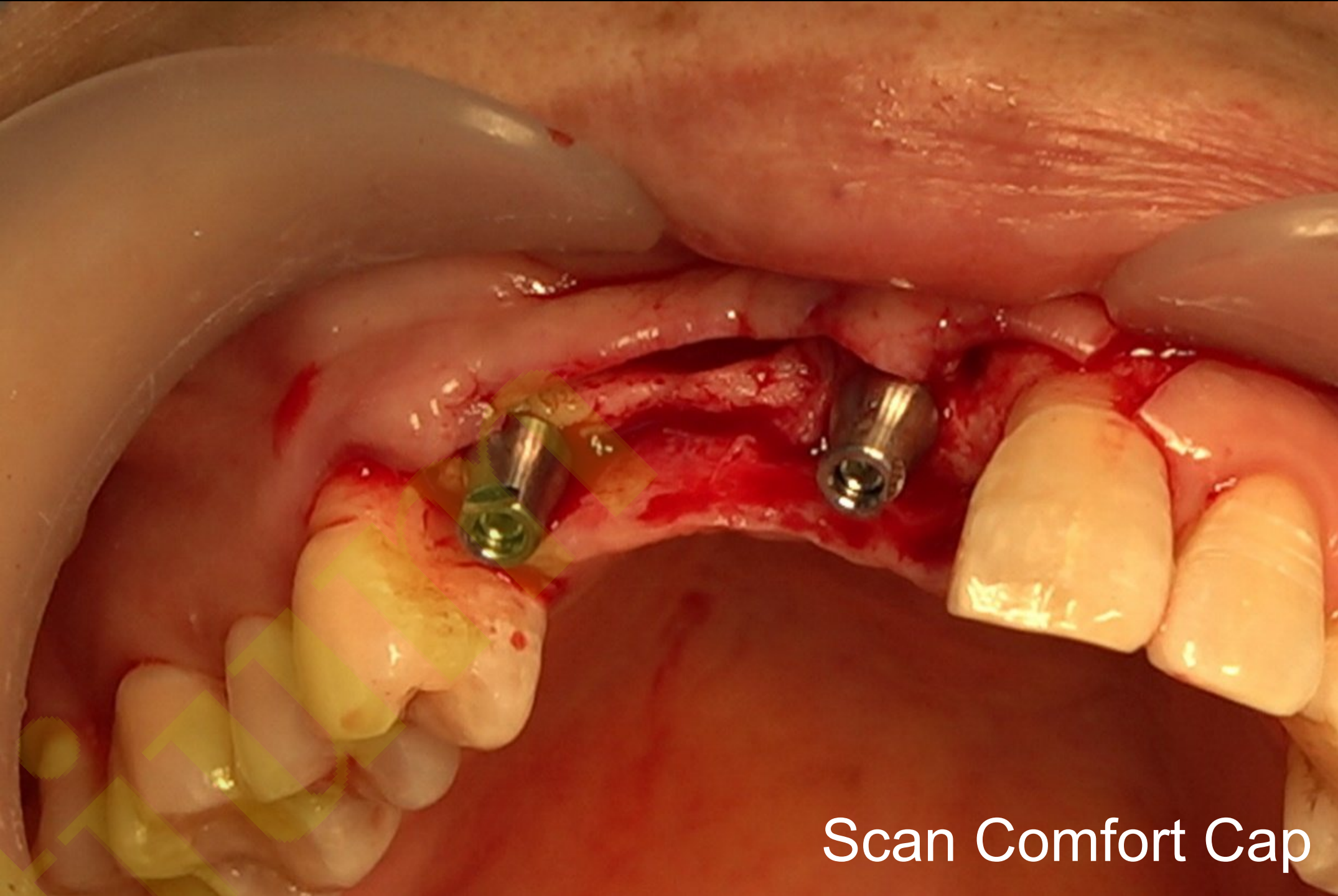
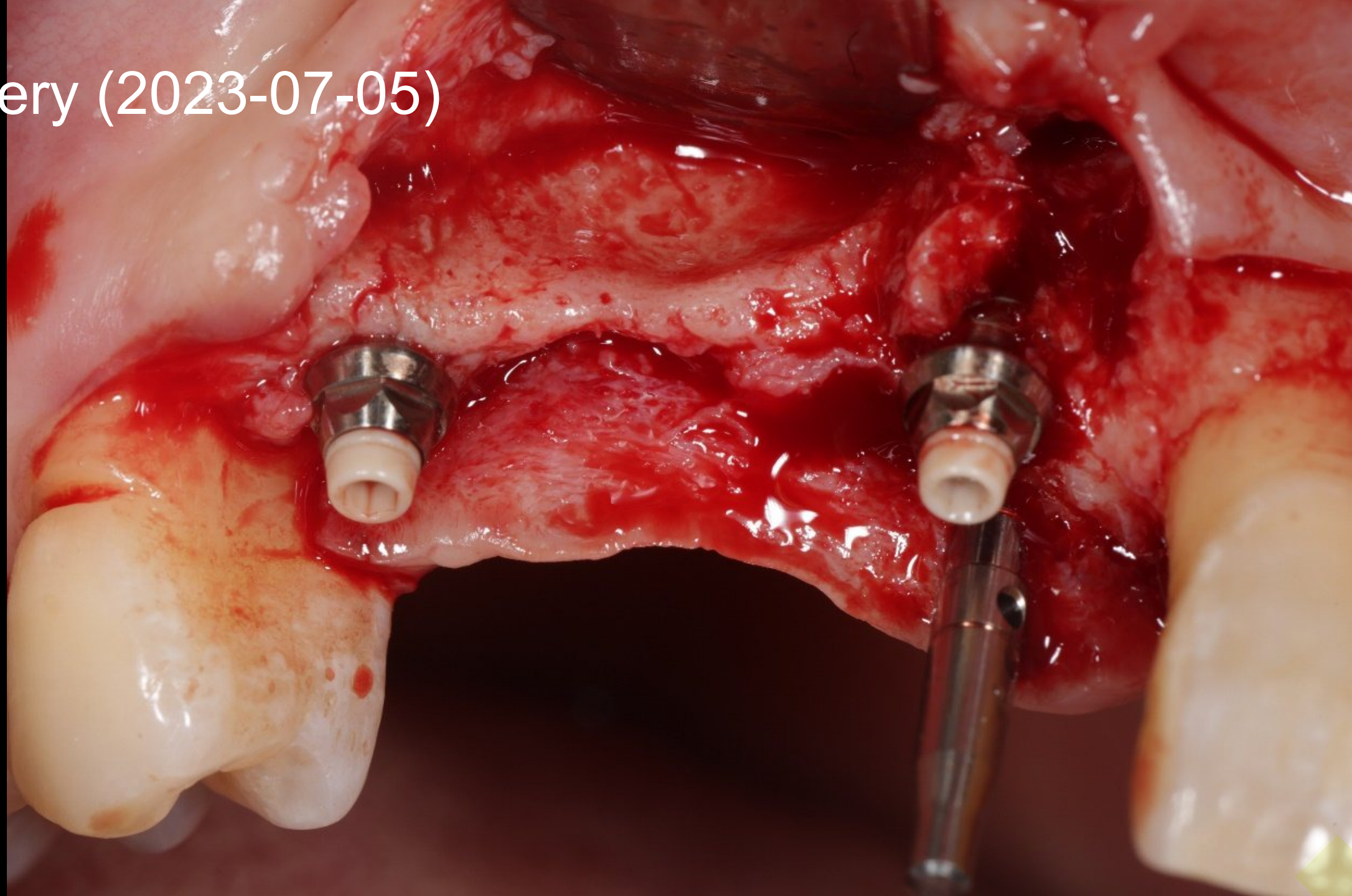


#11 bright TL (Ø2.5 X 11.0)

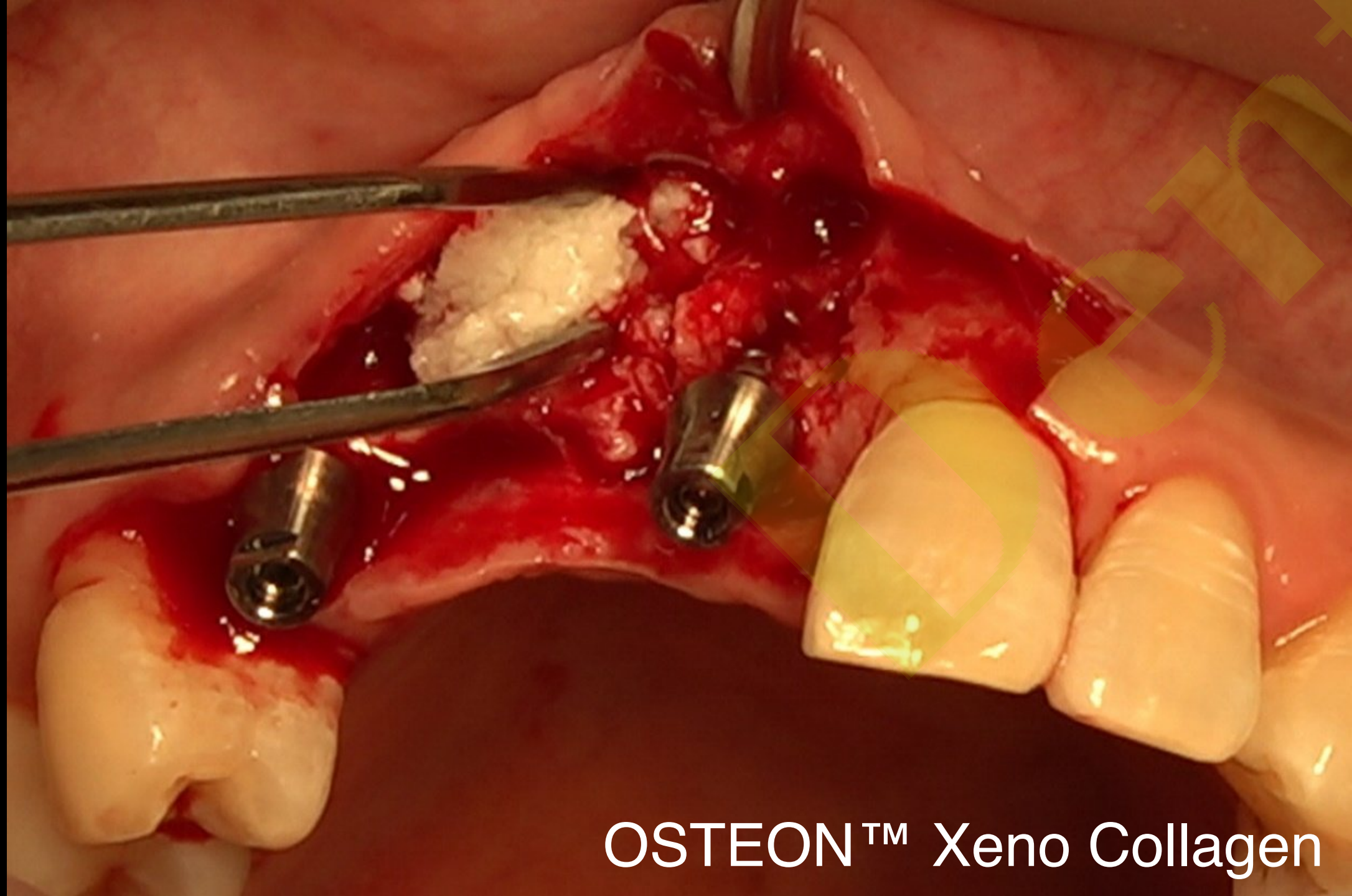


#12 bright TL (Ø2.5 X 11.0)

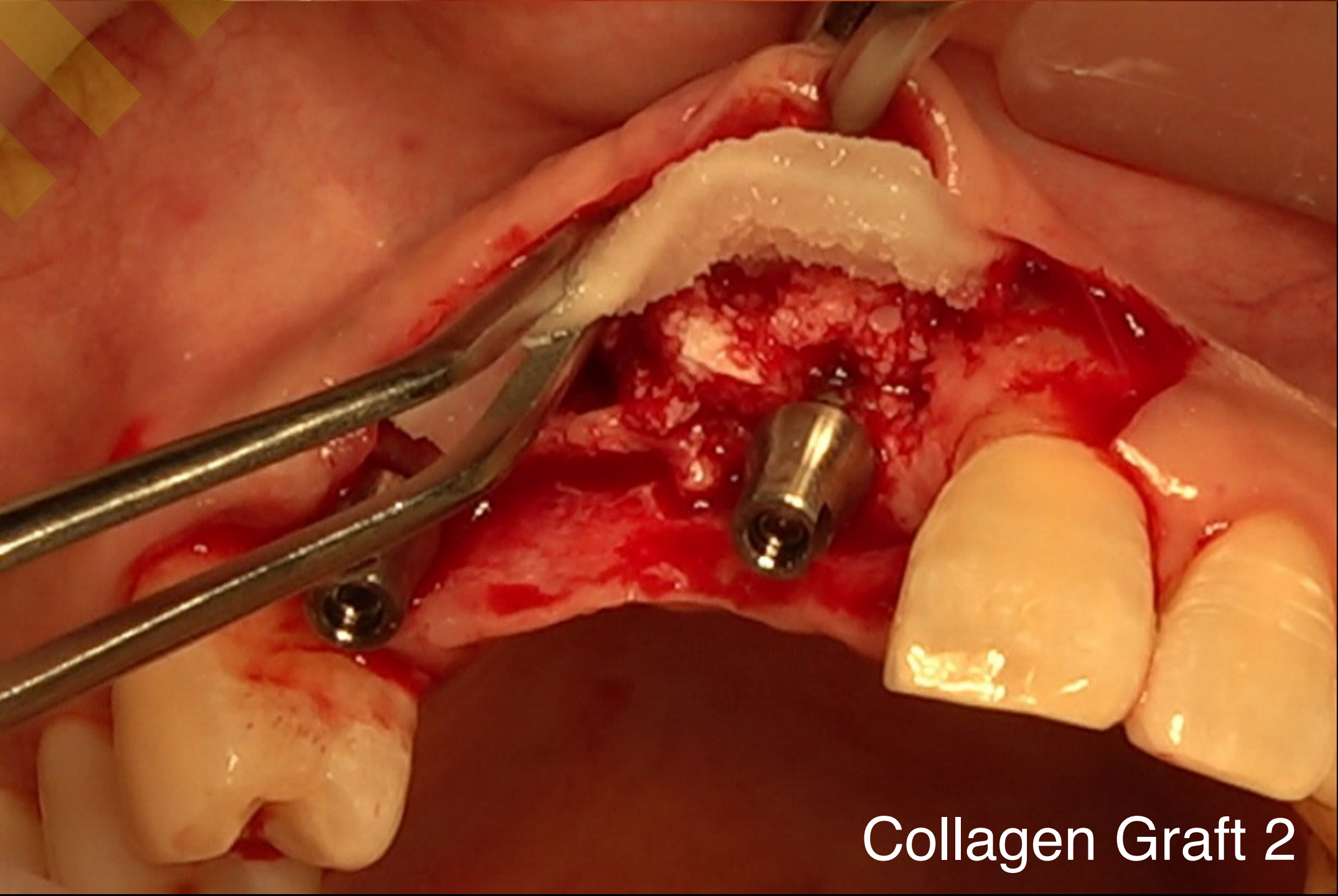
Surgery (2023-07-05)



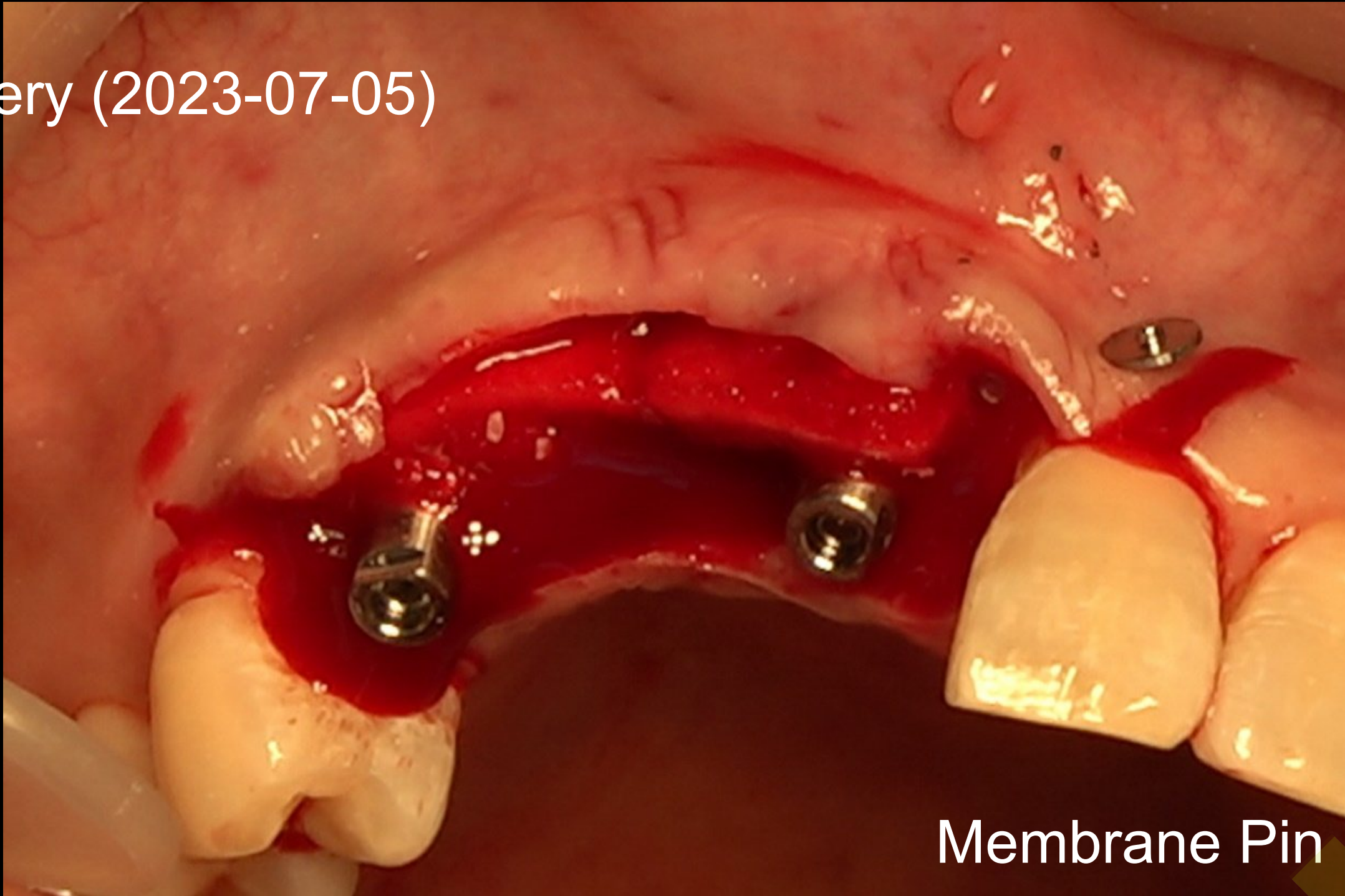
Scan Comfort Cap



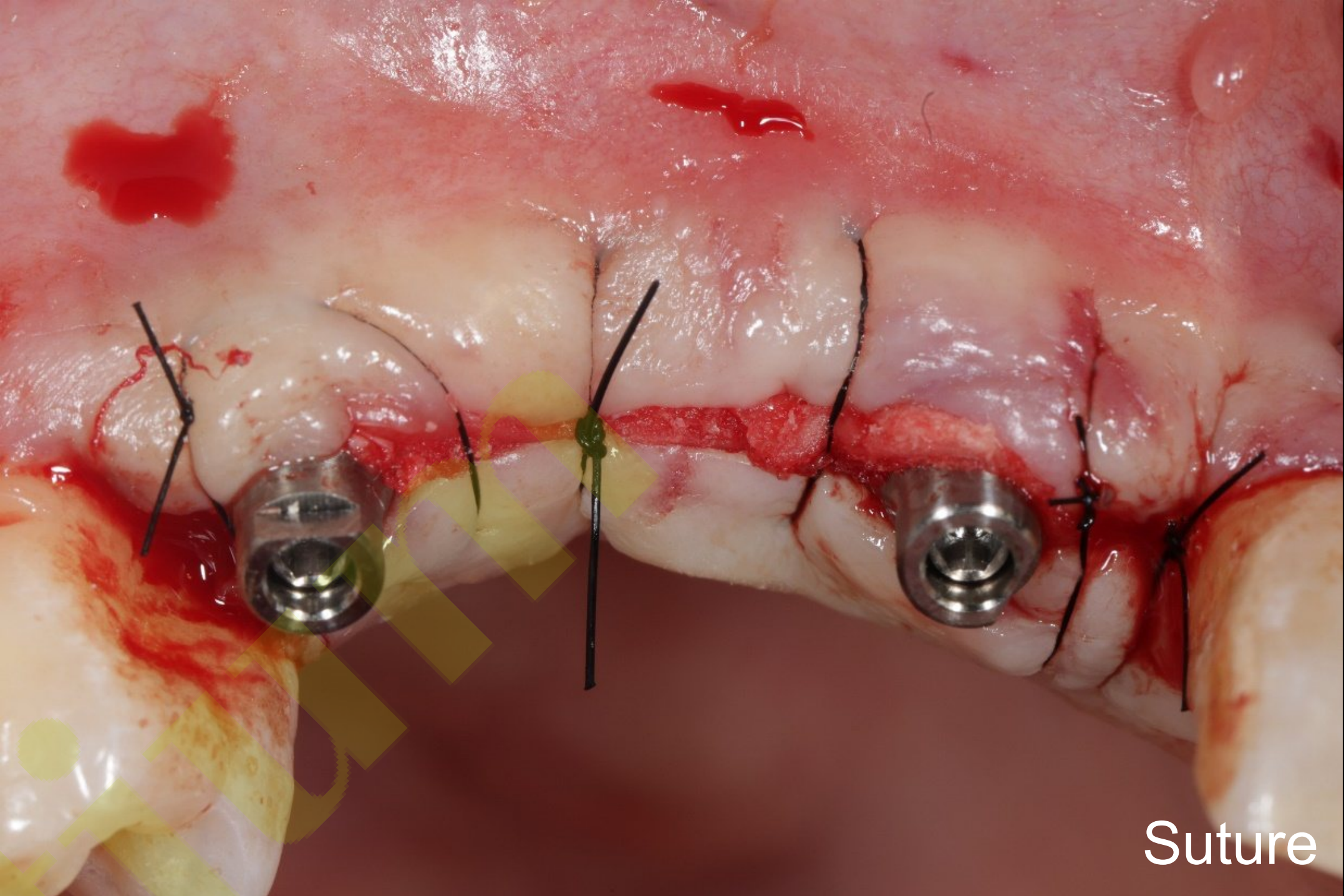
OSTEON™ Xeno Collagen



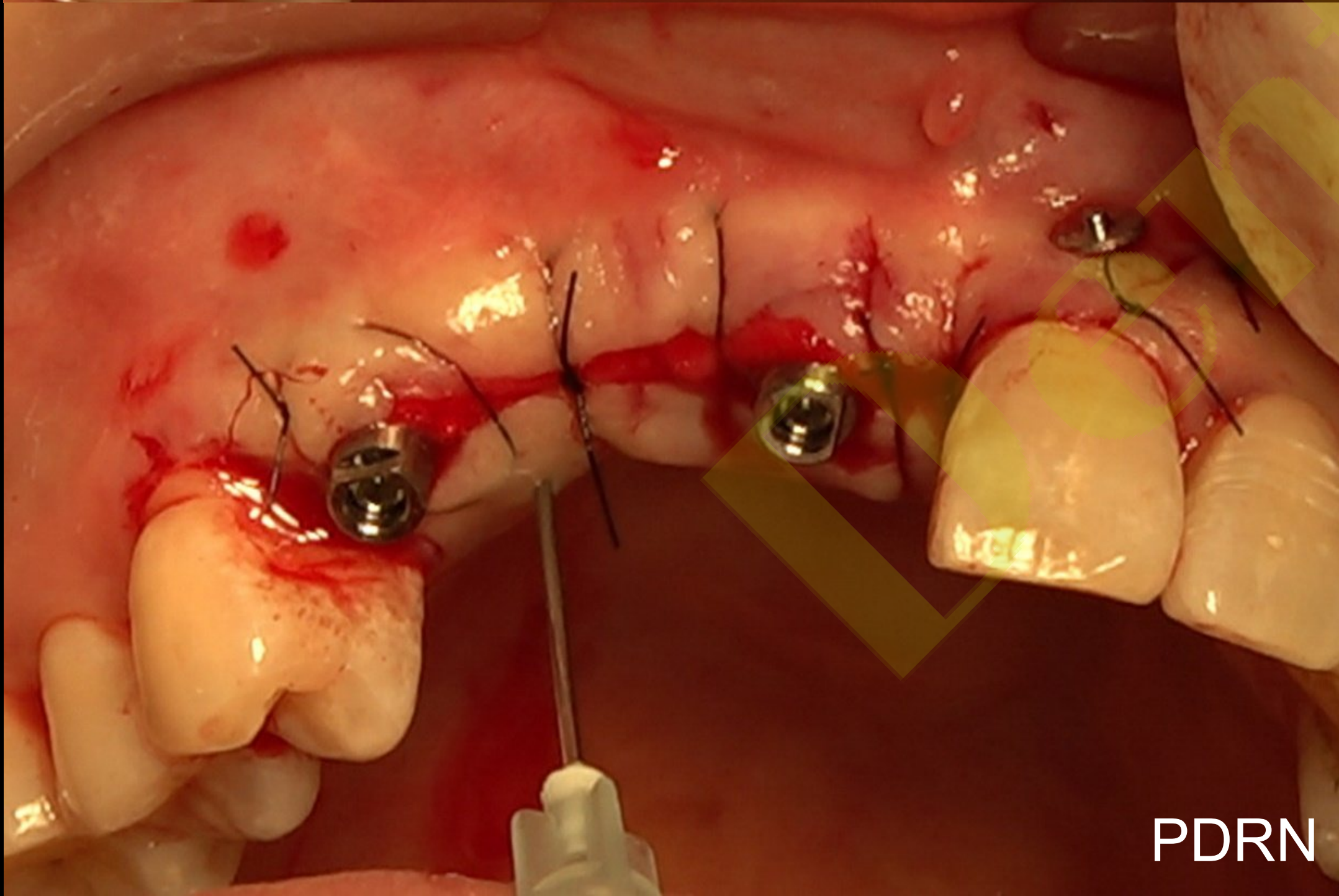
Collagen Graft 2



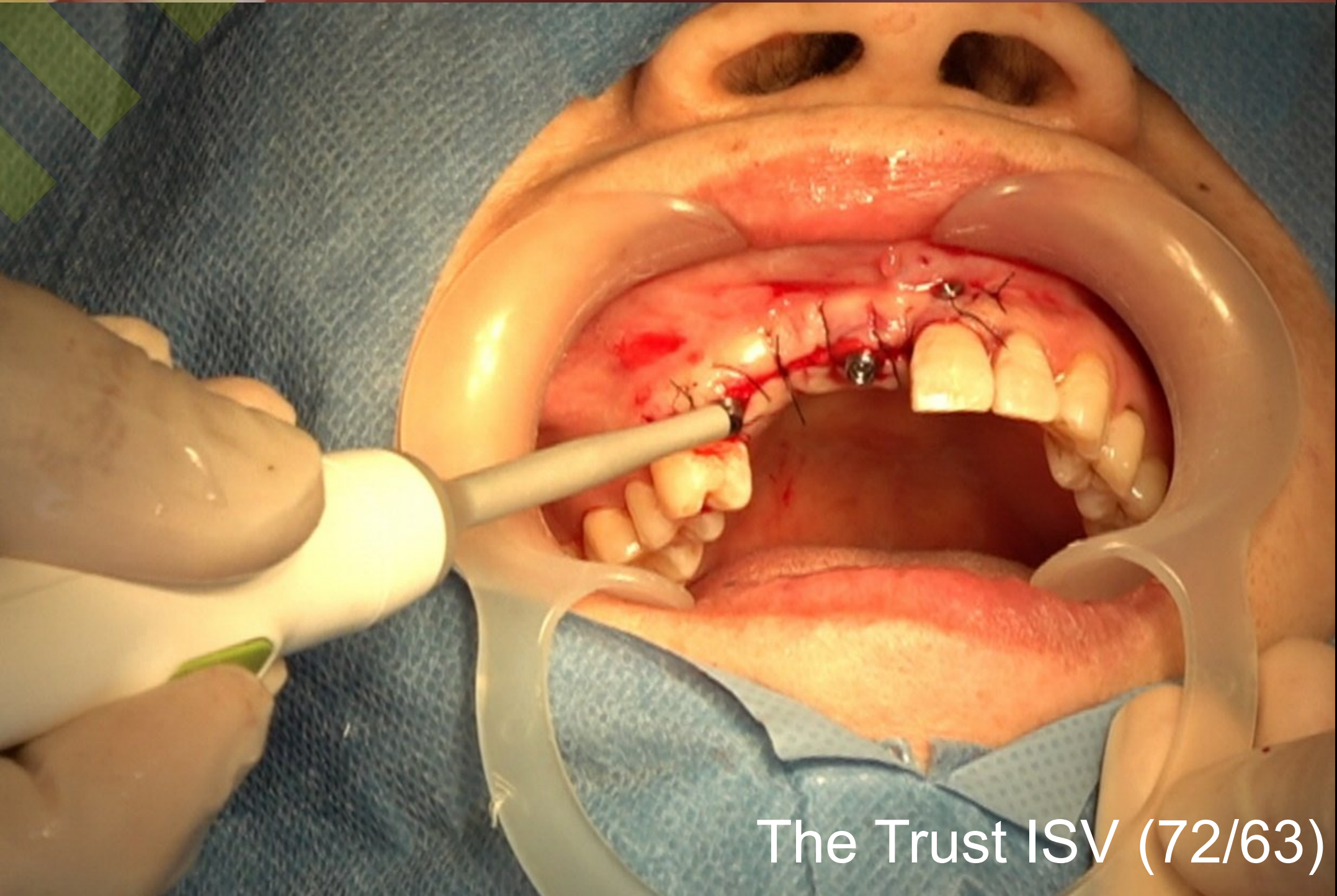
Membrane Pin



Suture



PDRN



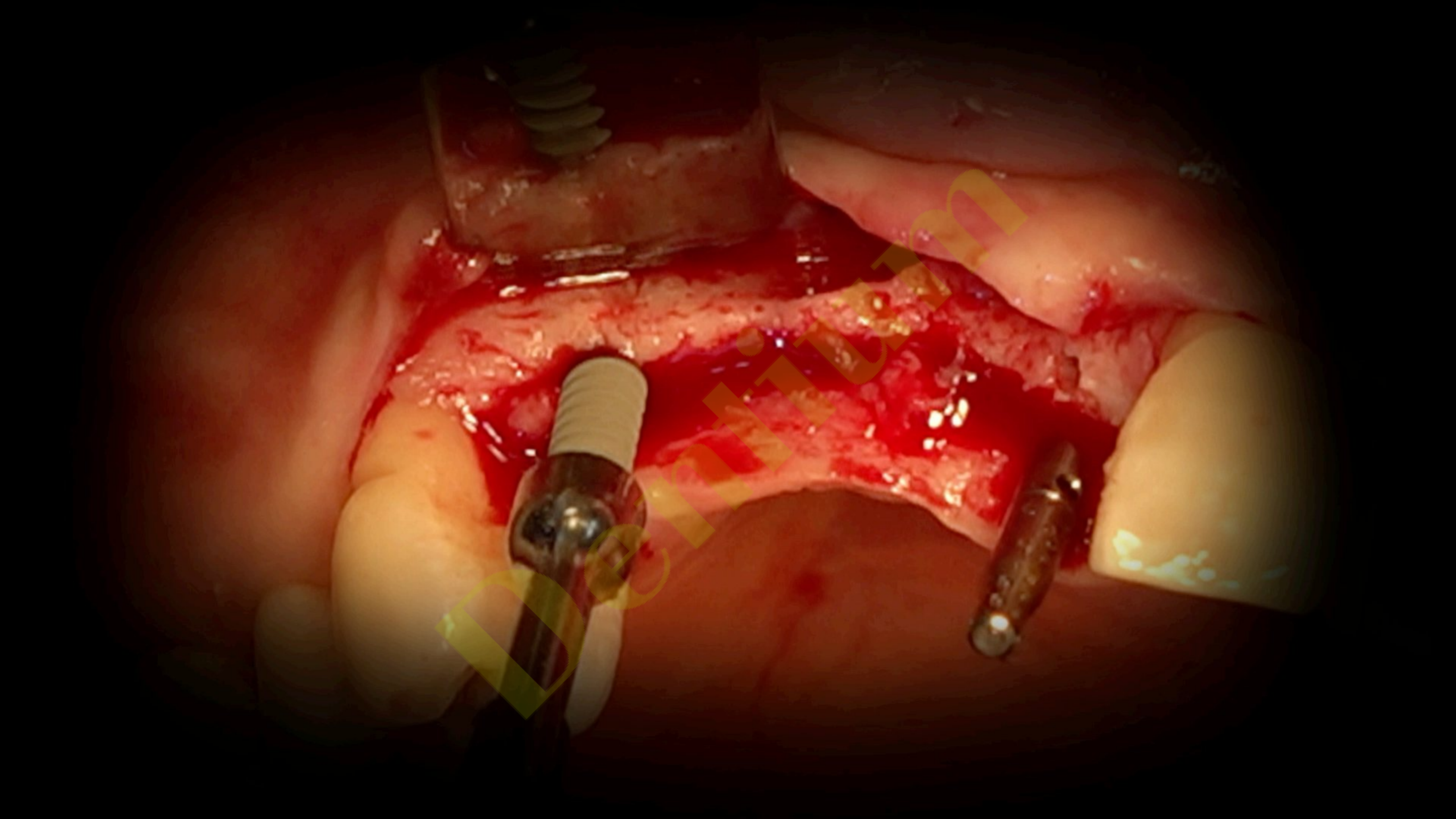
The Trust ISV (72/63)

Healing 2 weeks (2023-07-17)



Provisional restoration (2023-07-17)





Contents

Upper post

Lower post

Upper ant

Lower ant

Edentulous

Orthodontics

Pin Guide *Simple*

- Mapping the alveolar bone.
- Optimized for flapless surgery.
- Excellent performance in narrow ridge case.



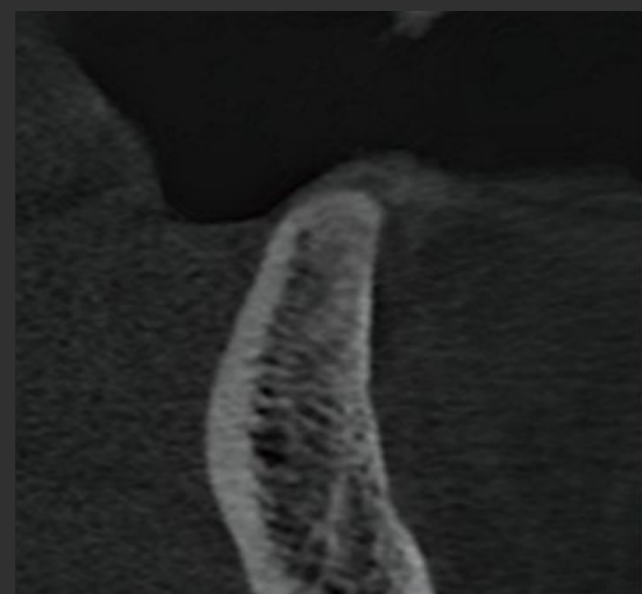
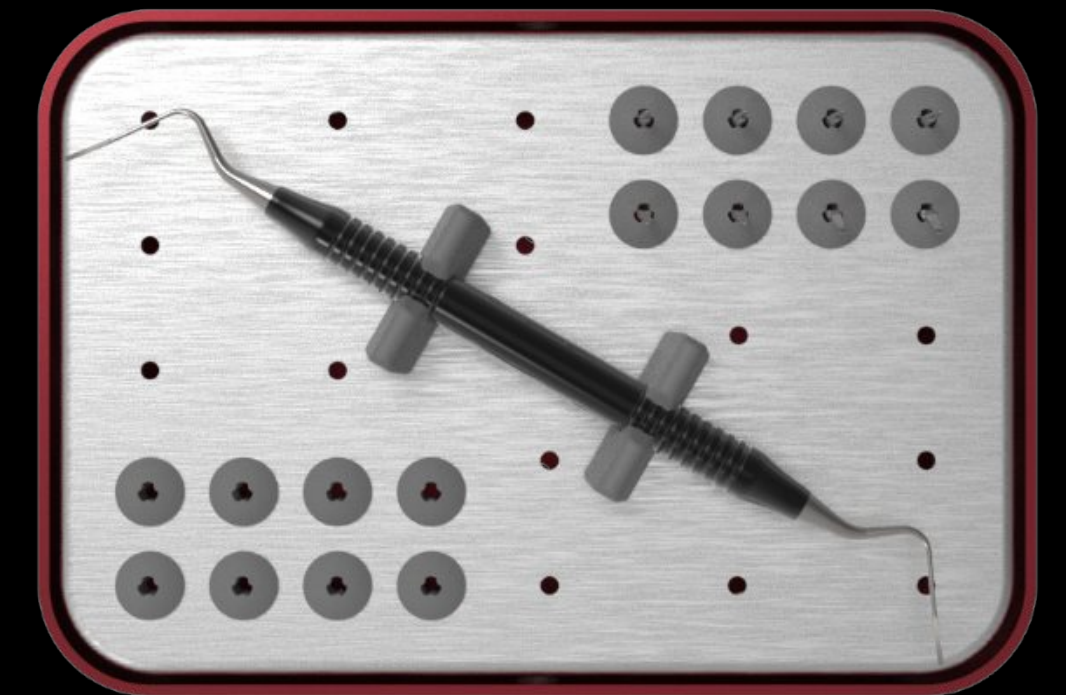
Straight

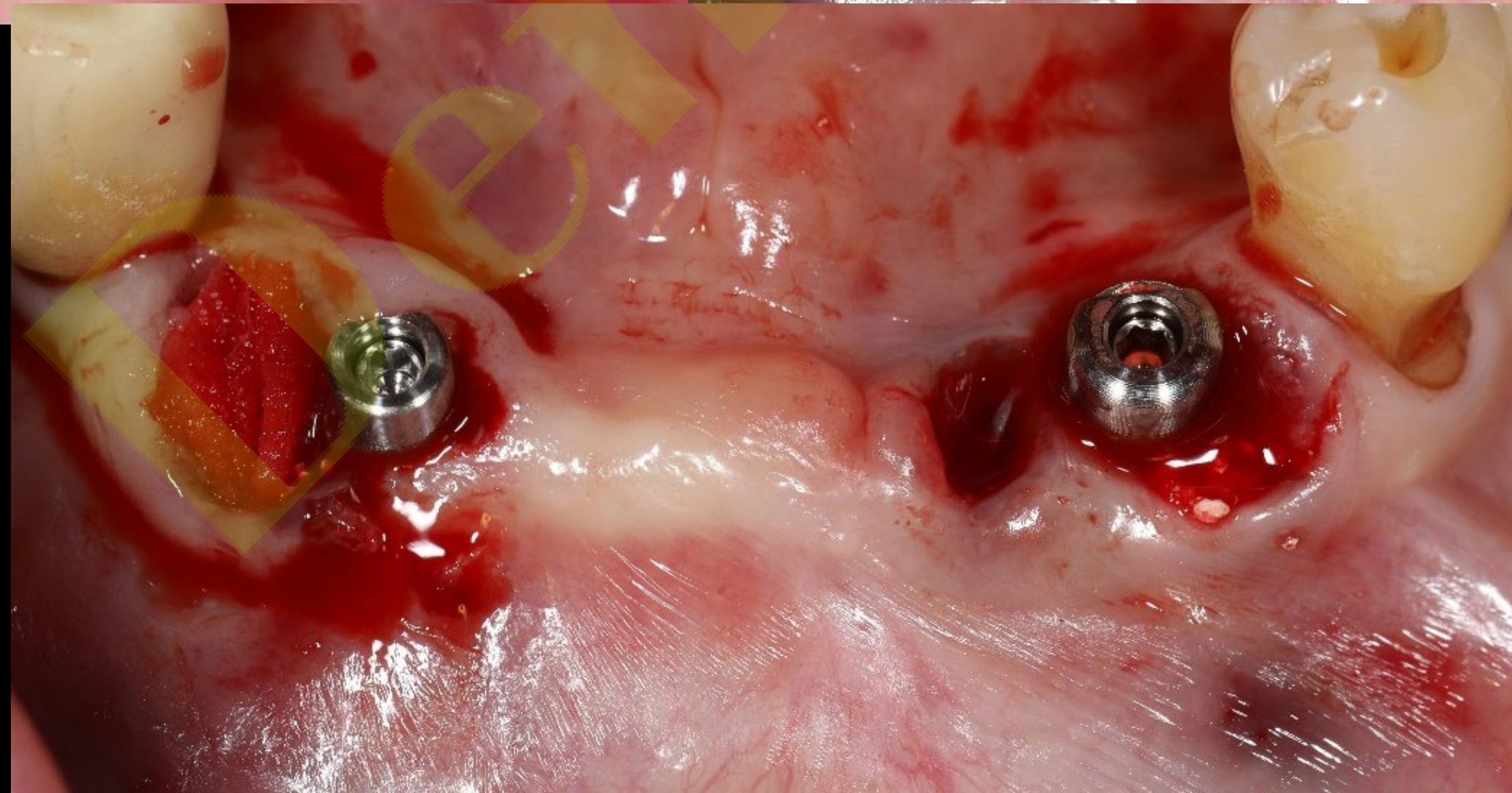
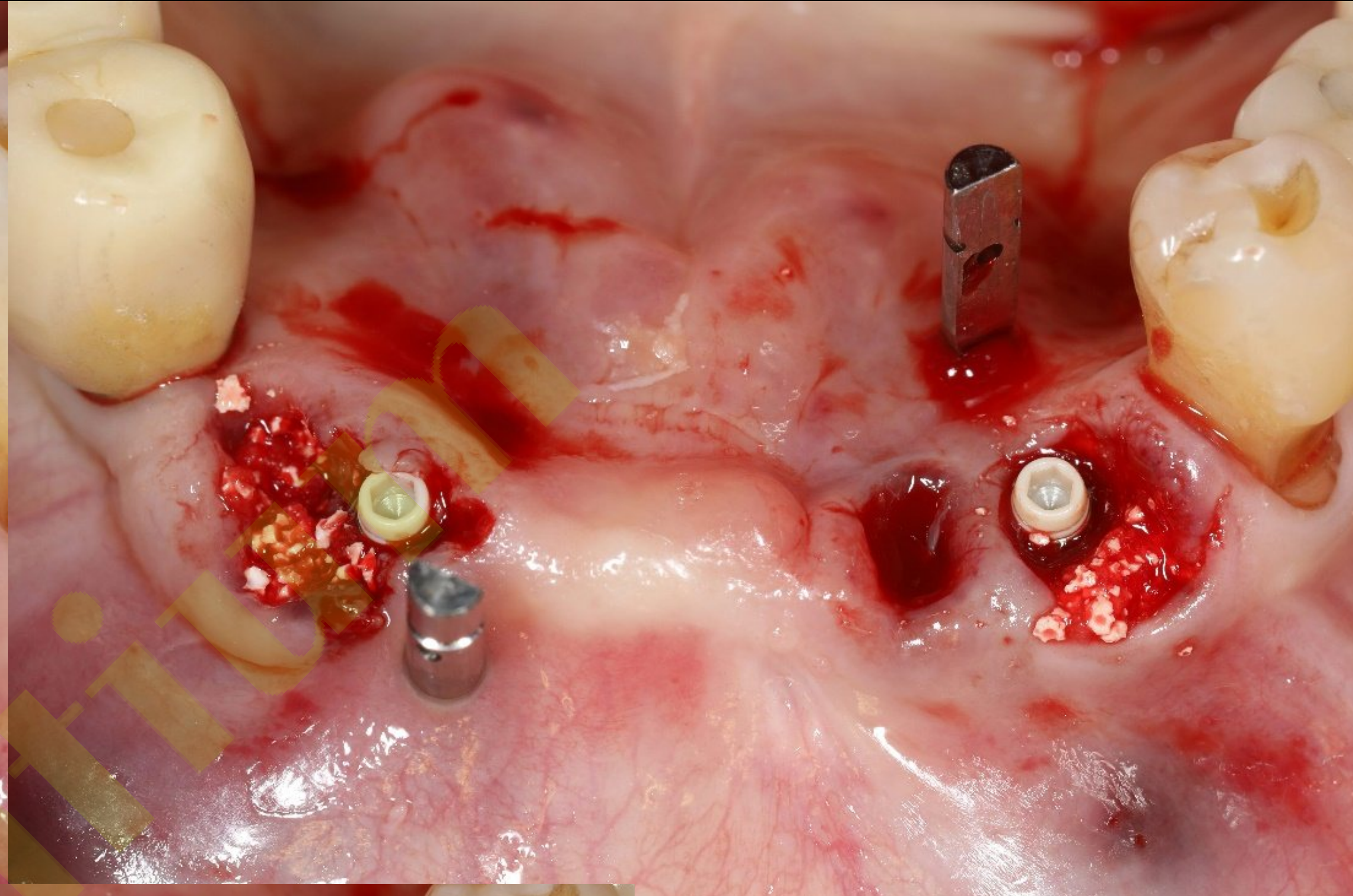
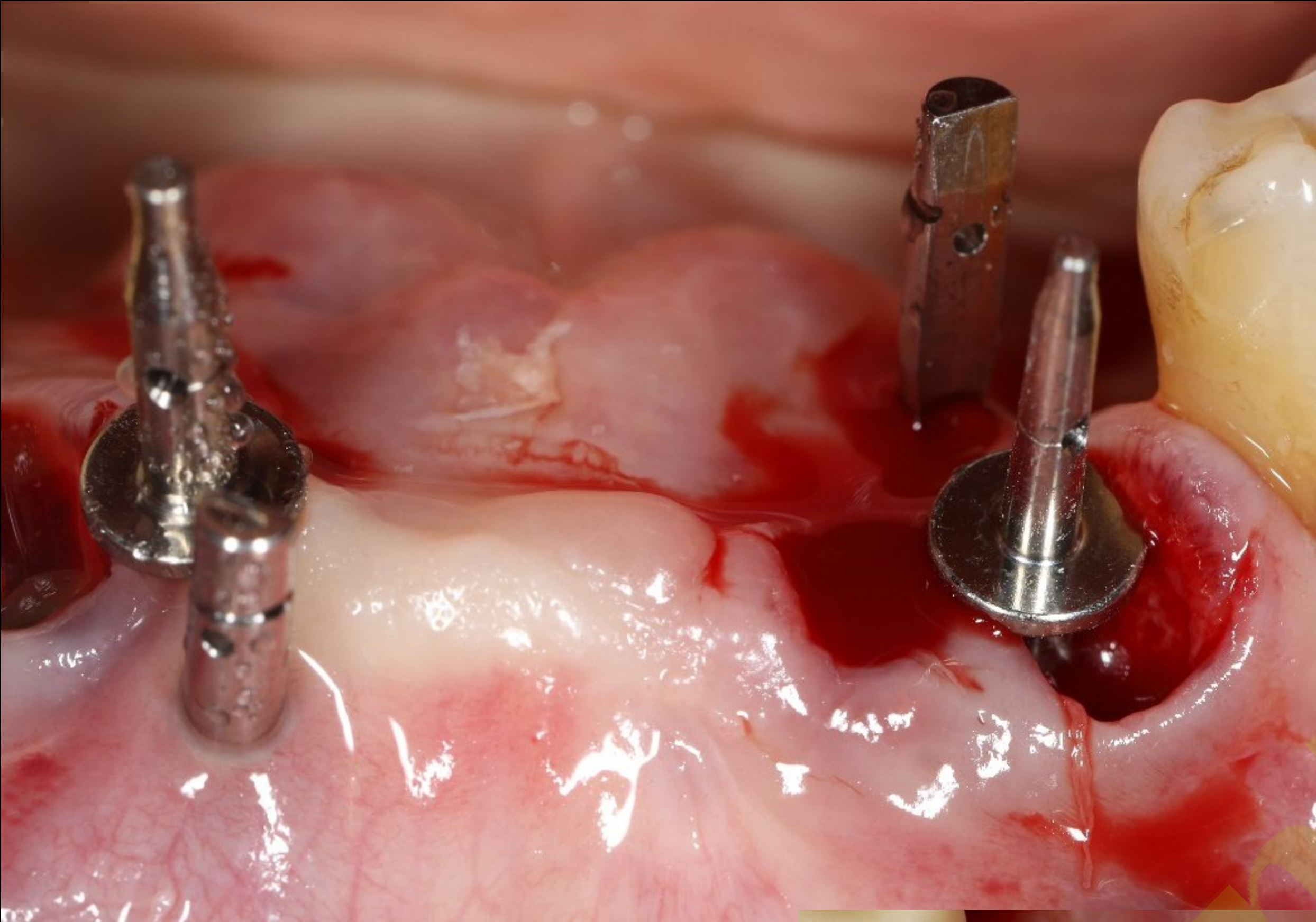


15°



25°





Pre-op (2022-10-05)



Pre-op (2023-05-18)

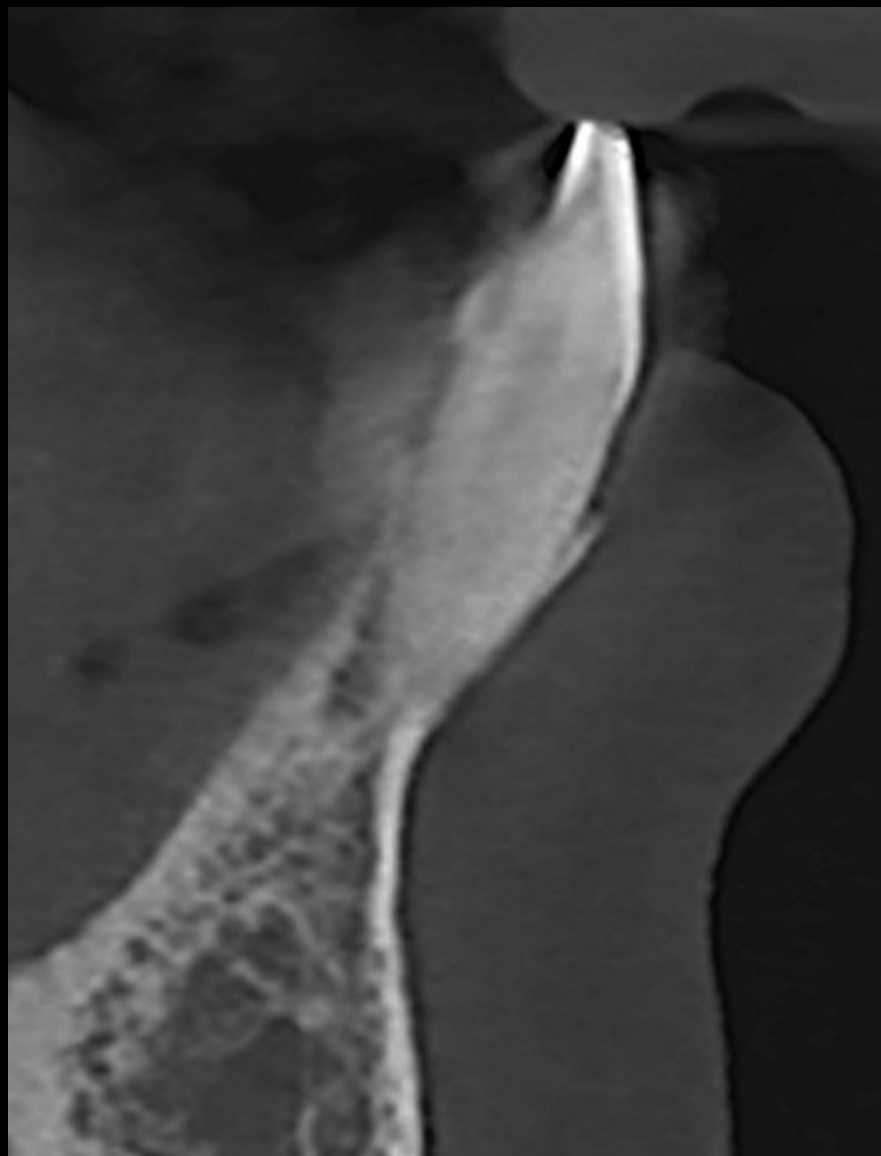


Post-op (2023-05-18)

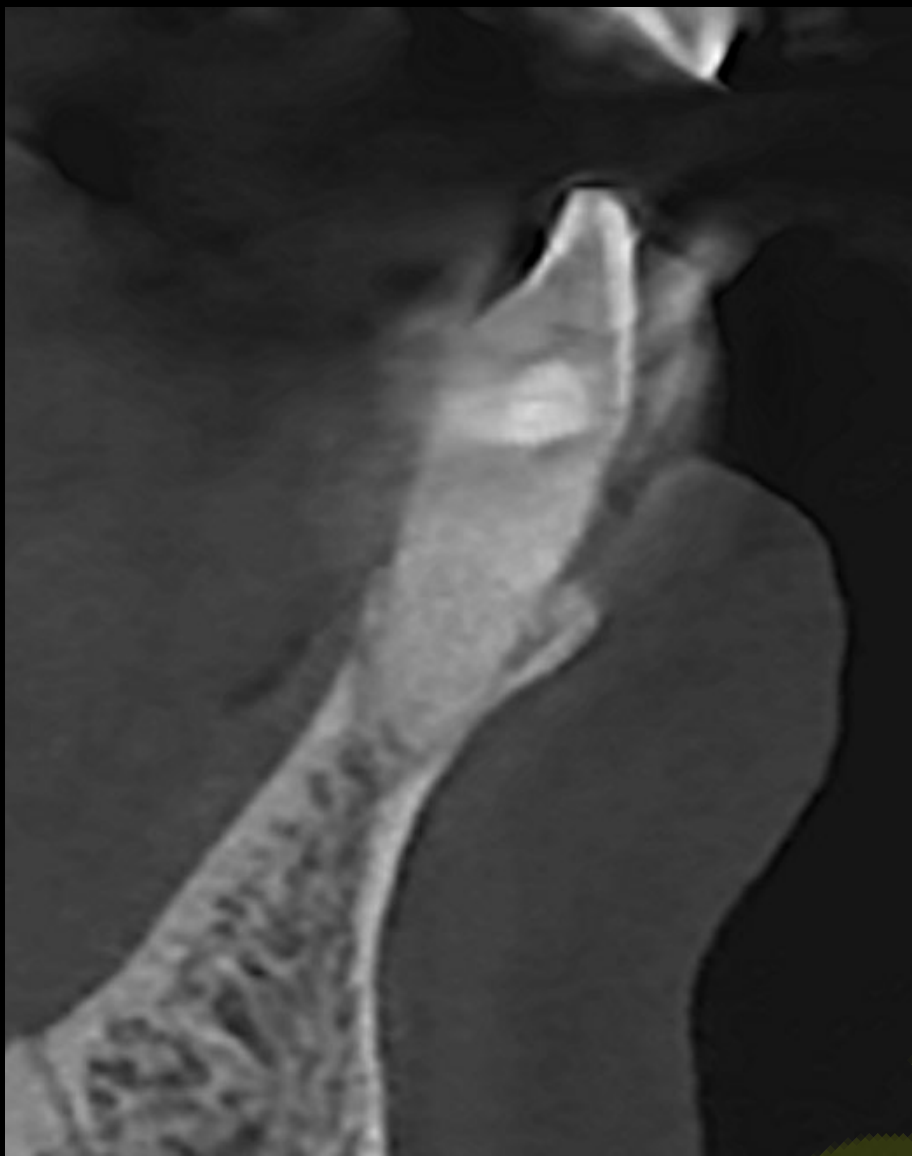


Pre-op CT (2023-05-18)

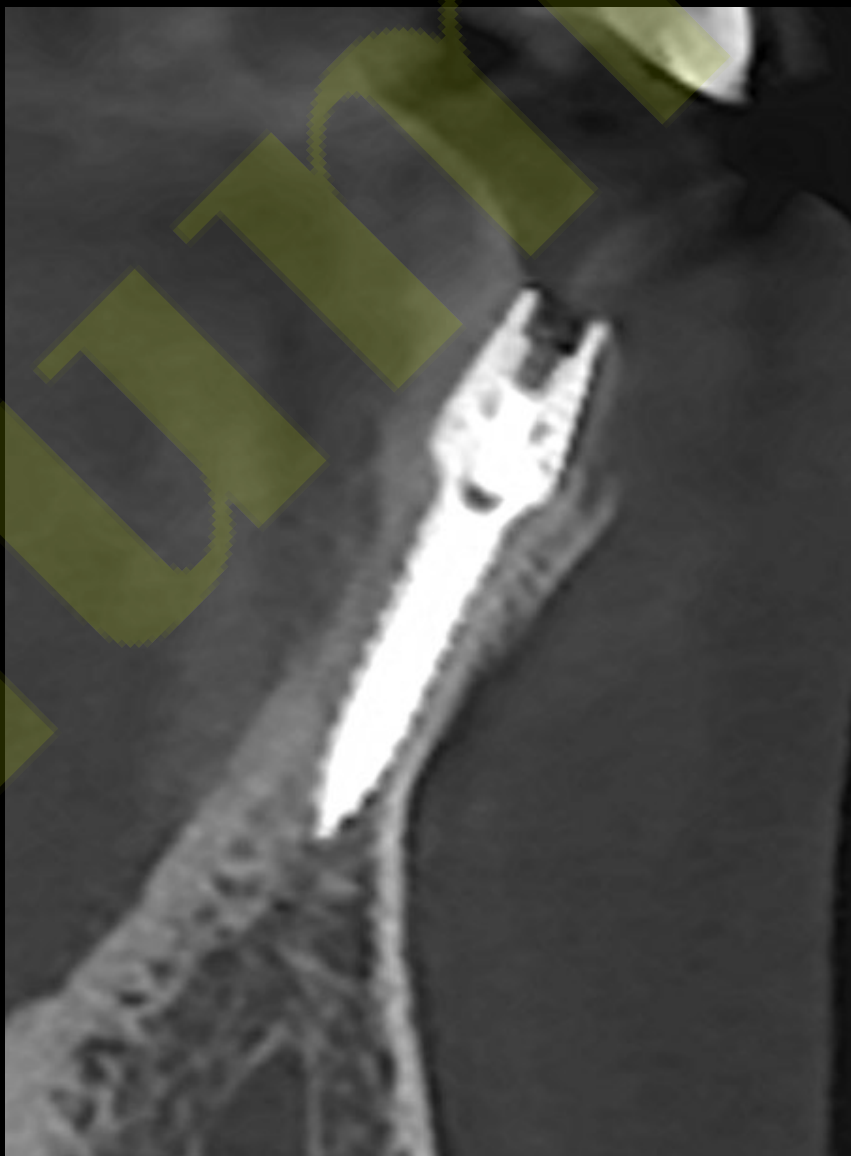
Post-op CT (2023-05-18)



#42



#32

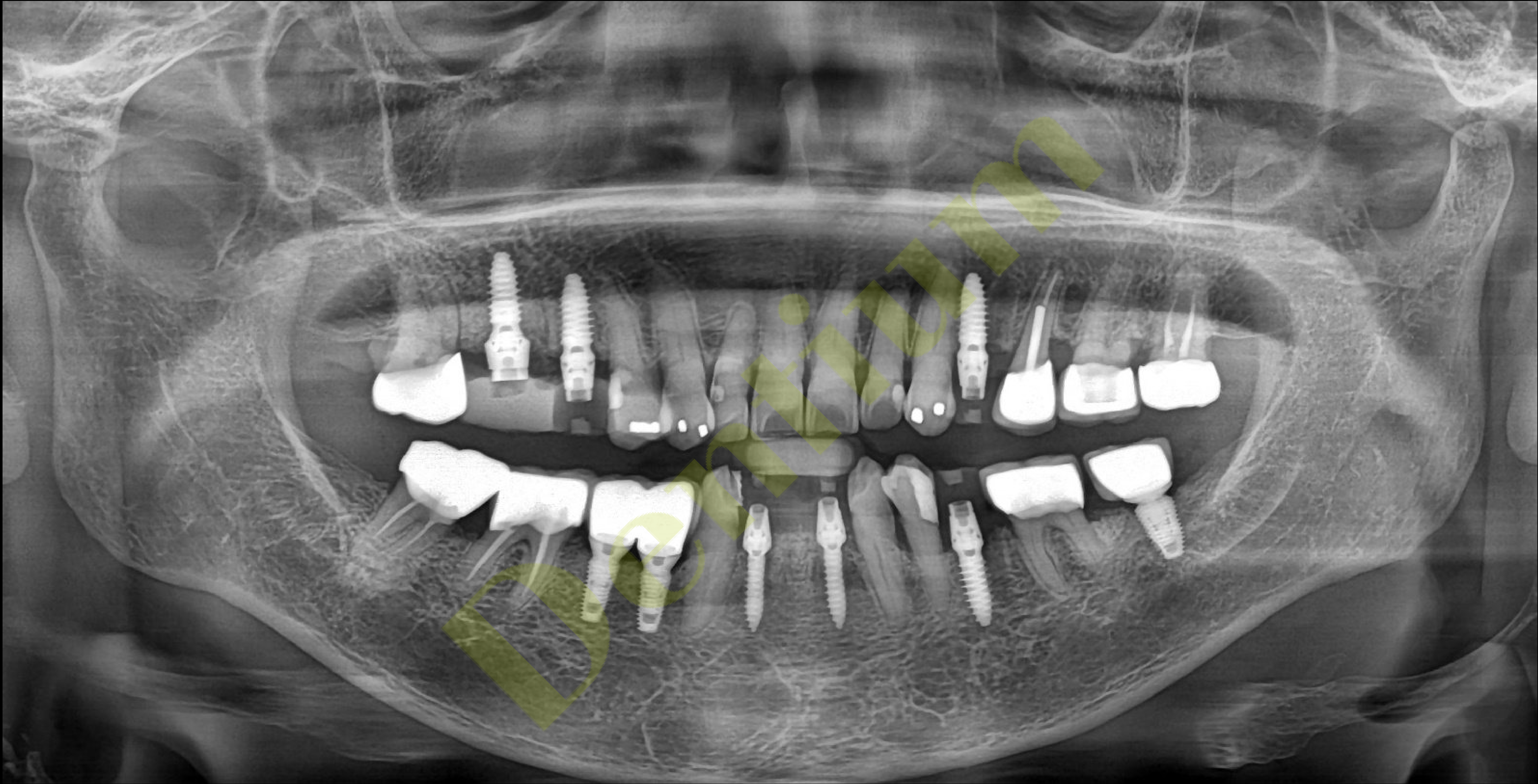


#42



#32

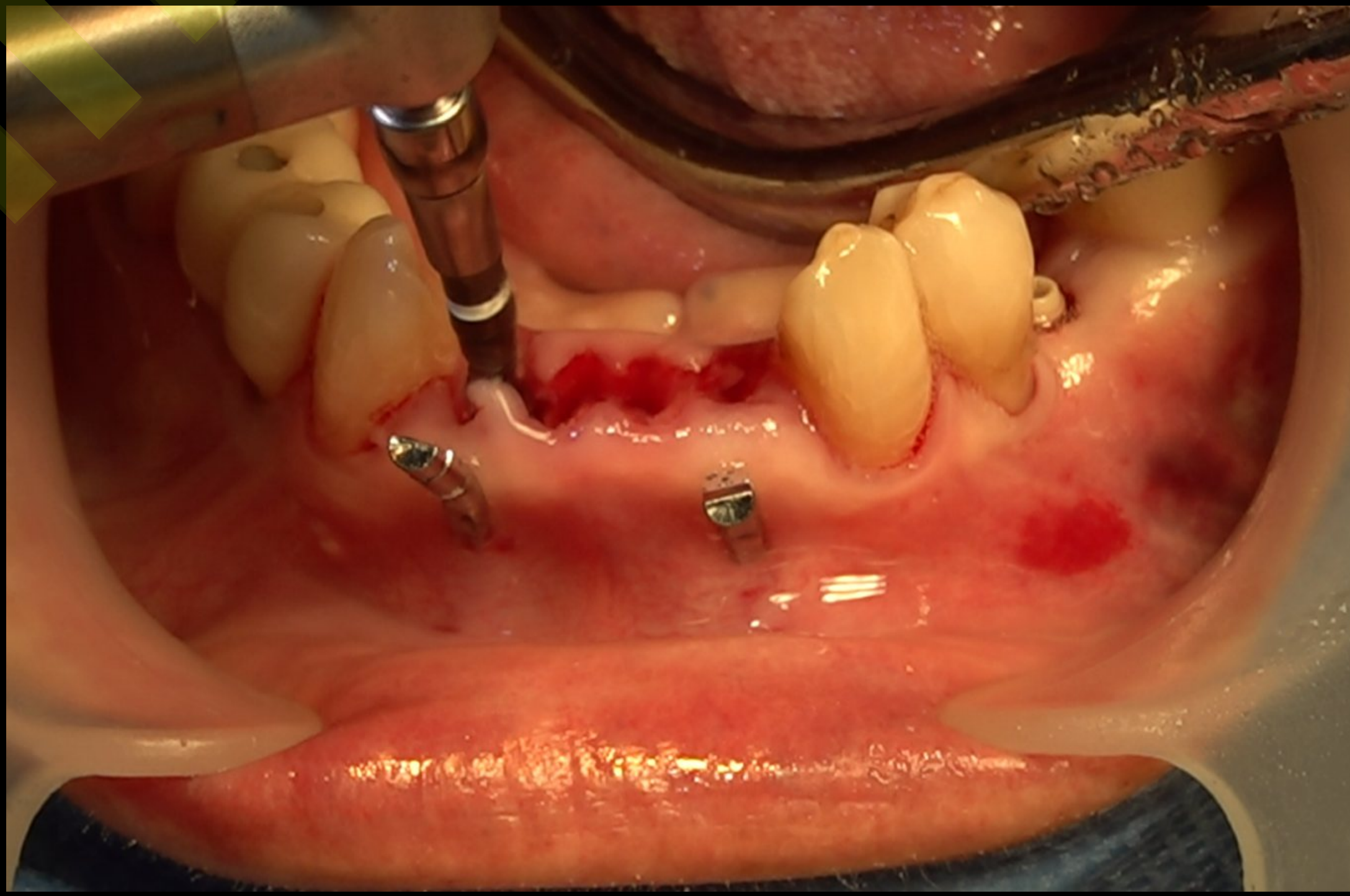
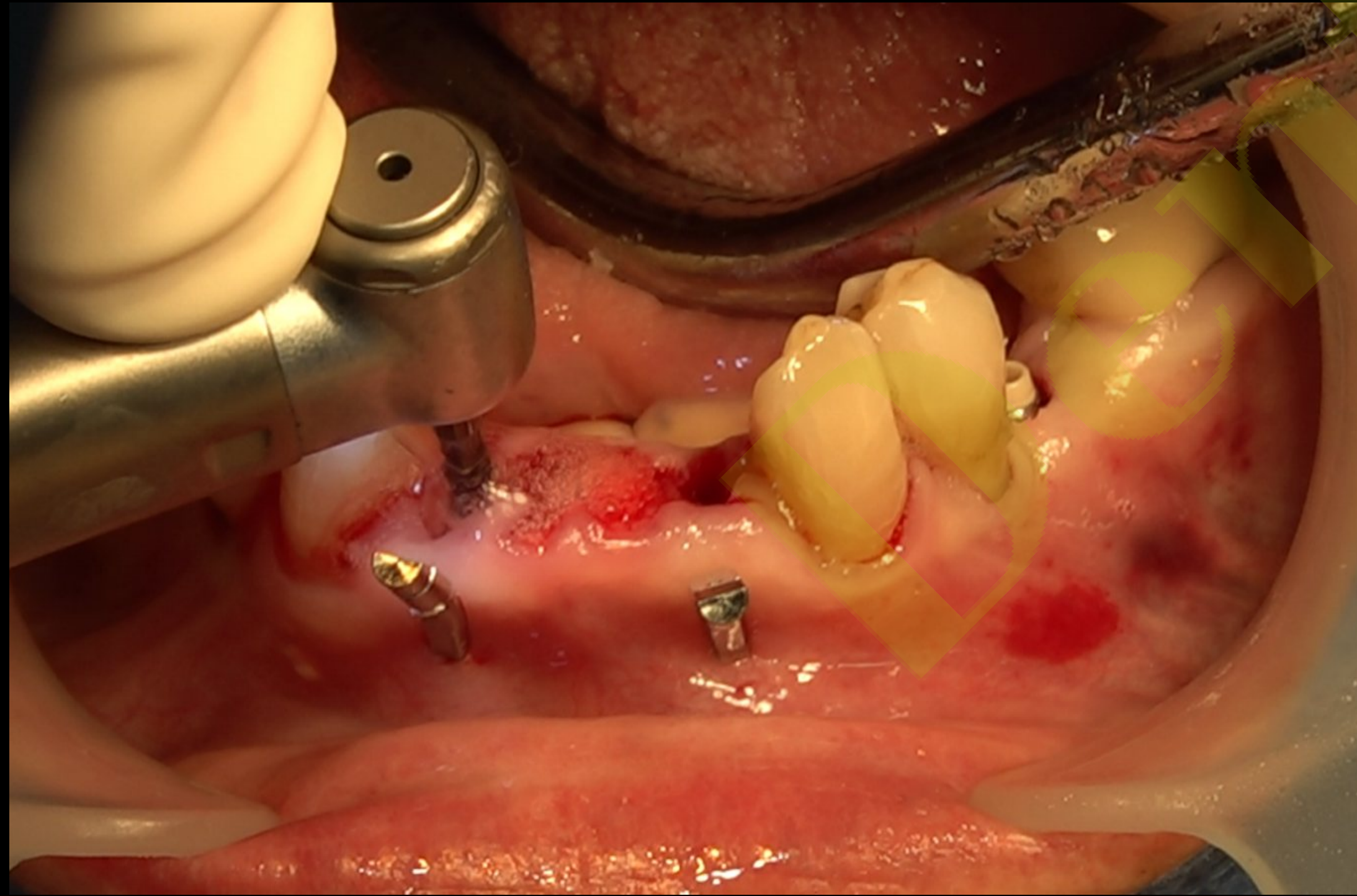
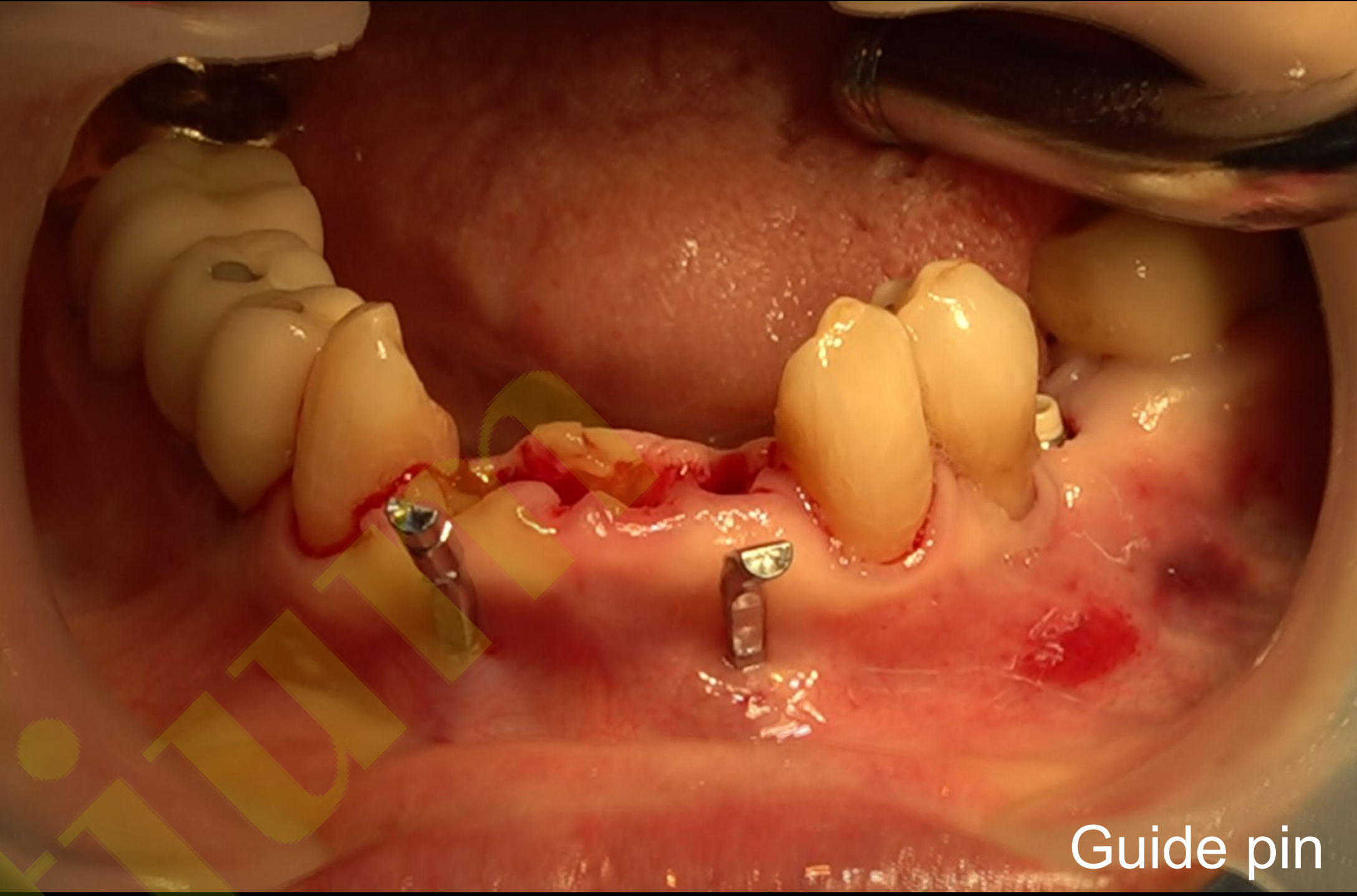
Healing 1 month (2023-06-22)



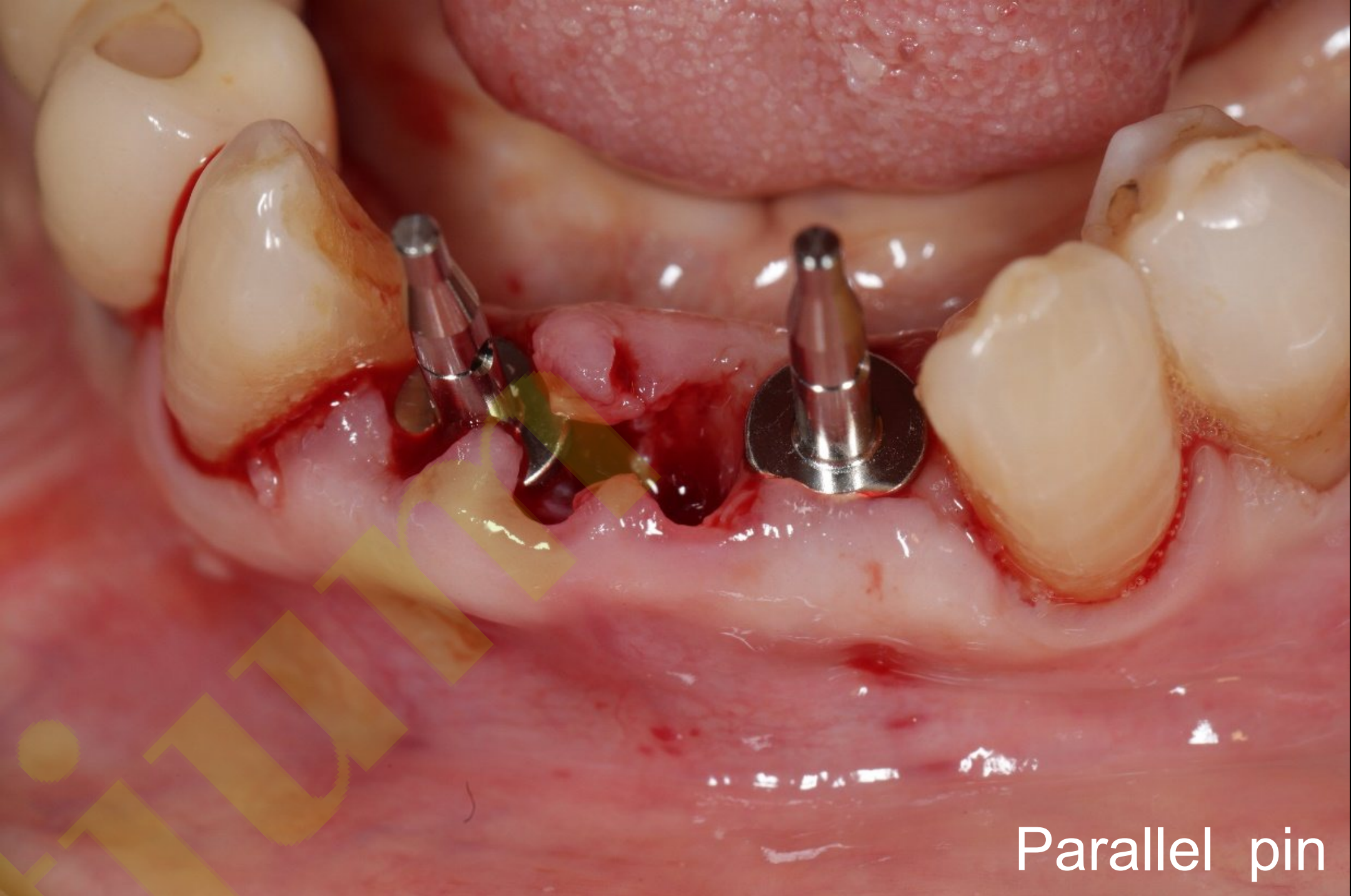
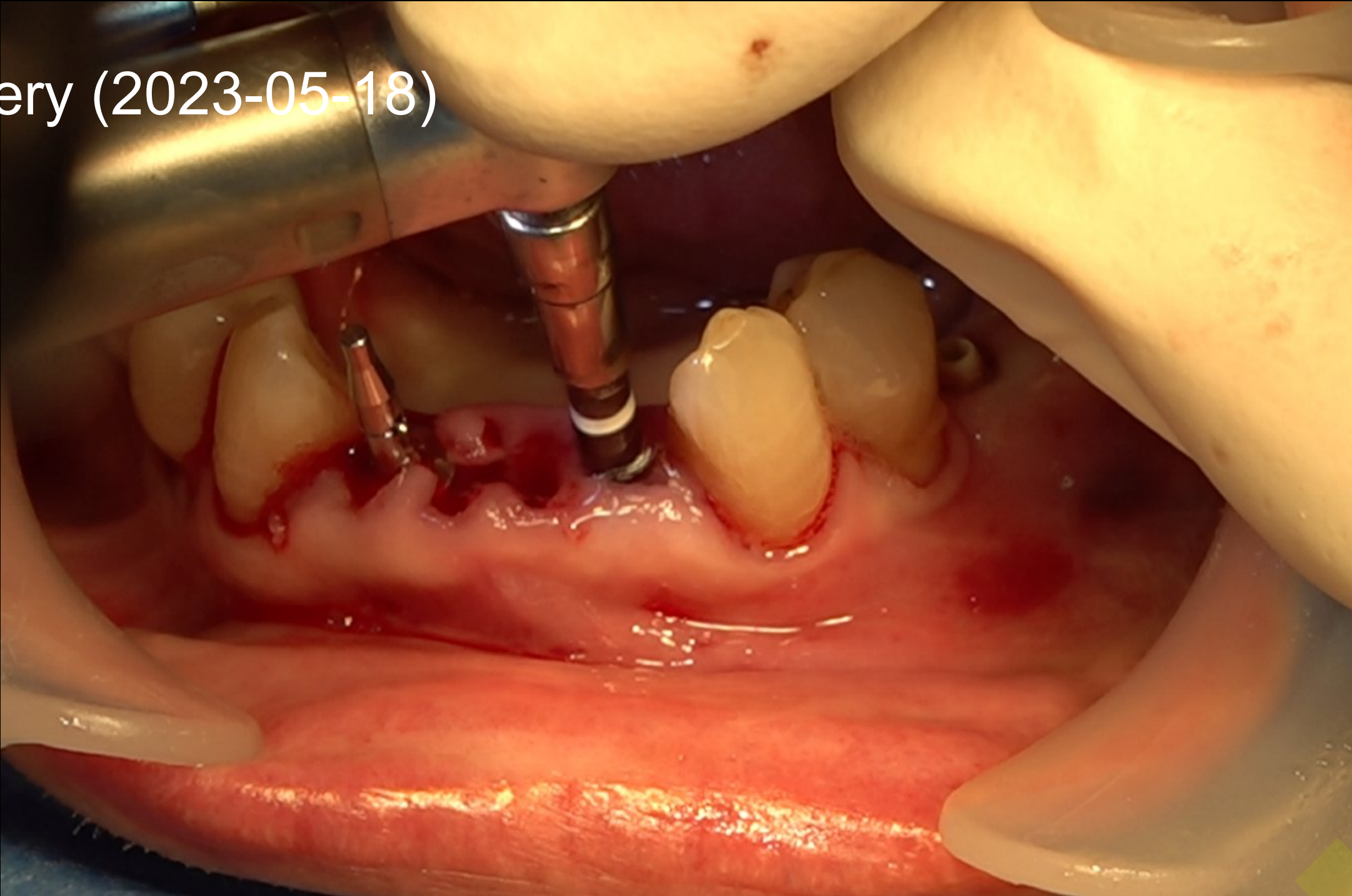
Final prosthesis (2023-08-31)



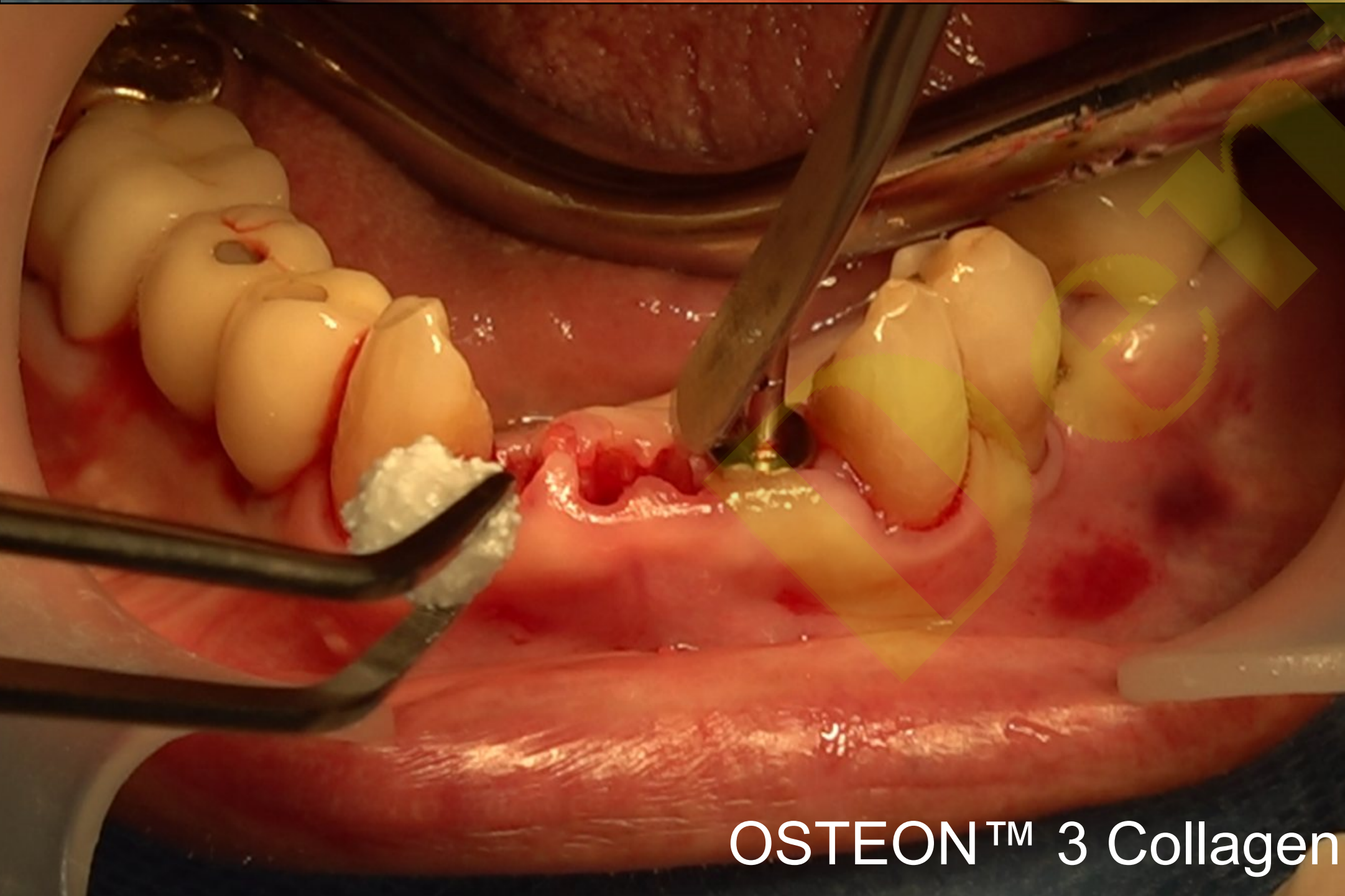
Surgery (2023-05-18)



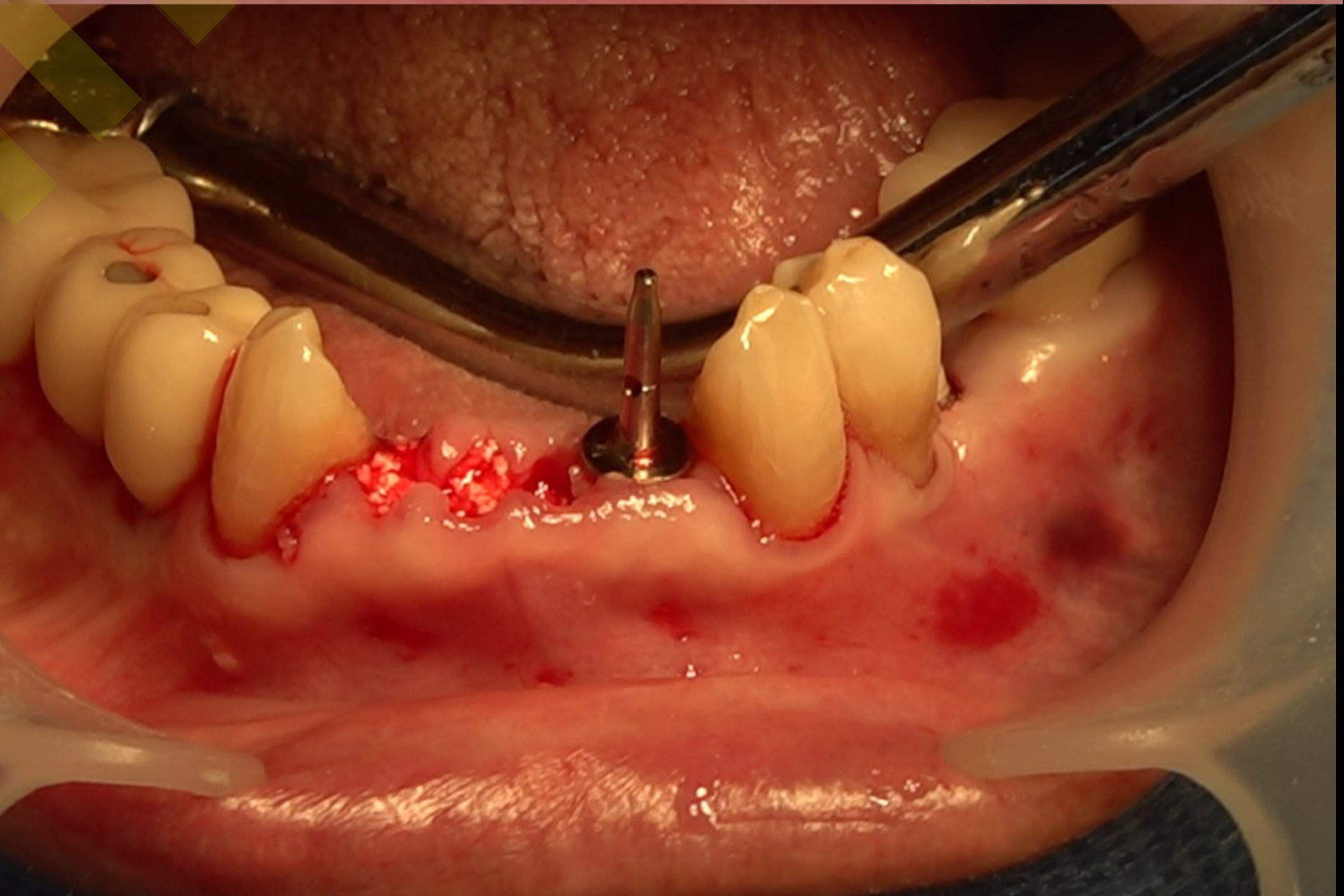
Surgery (2023-05-18)



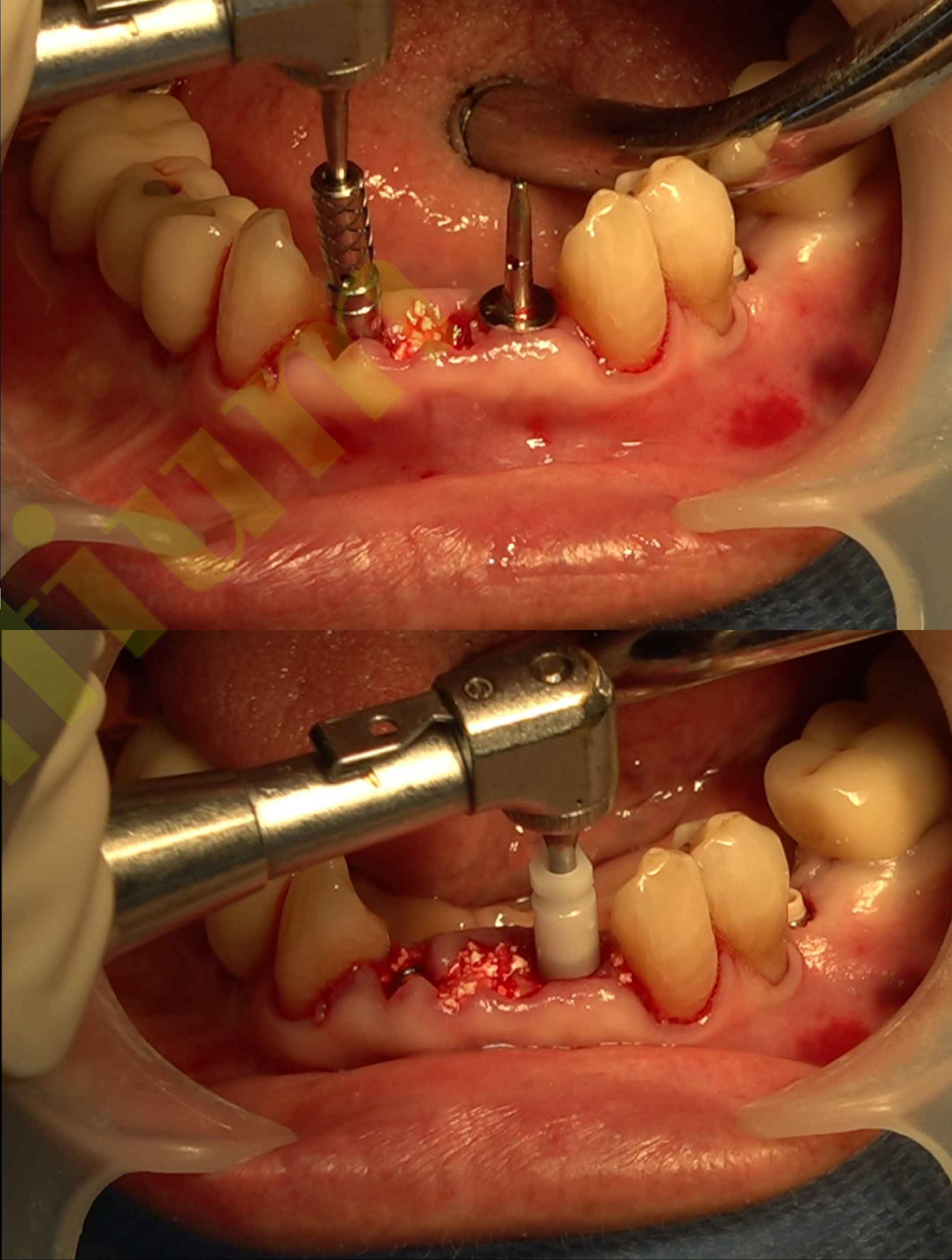
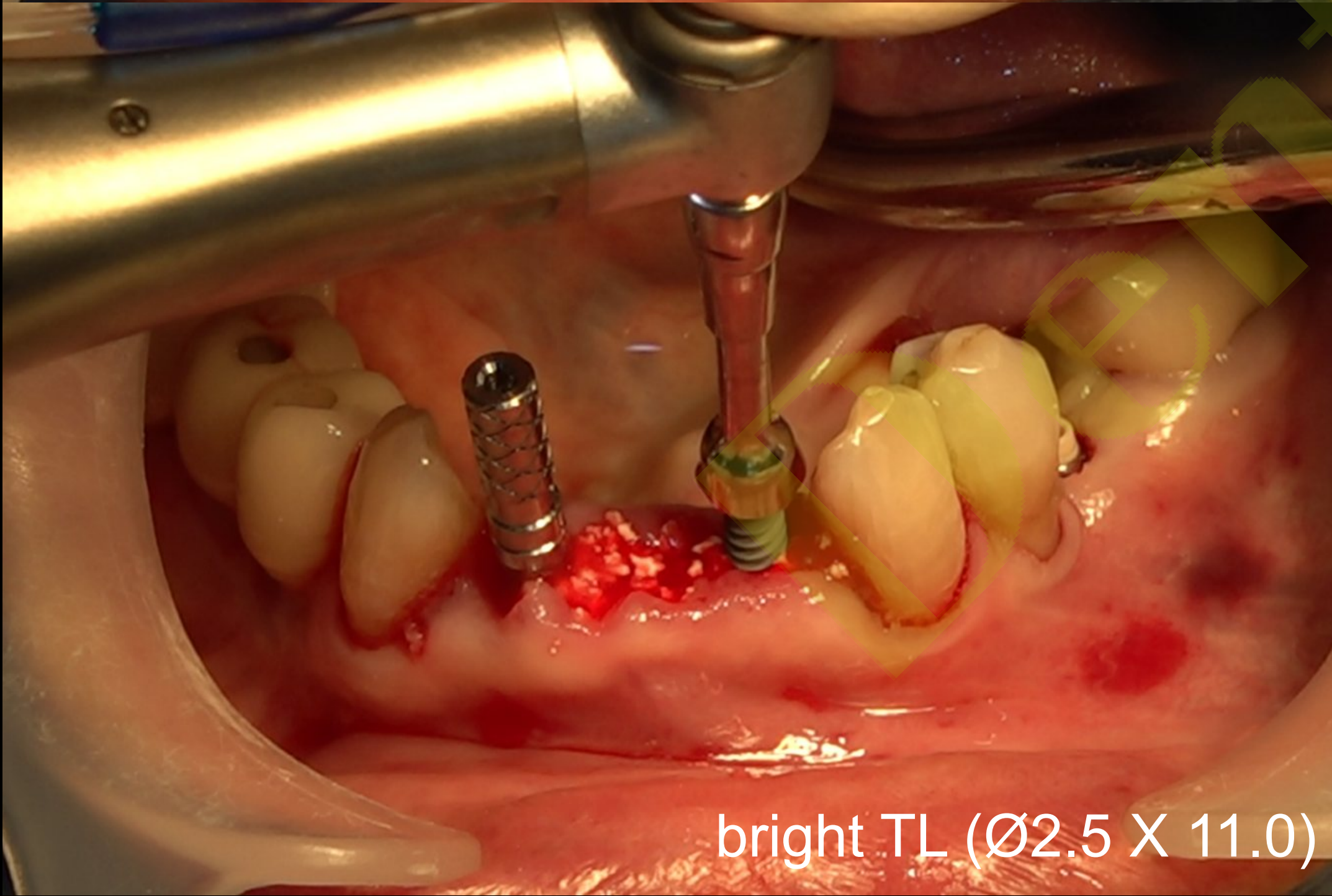
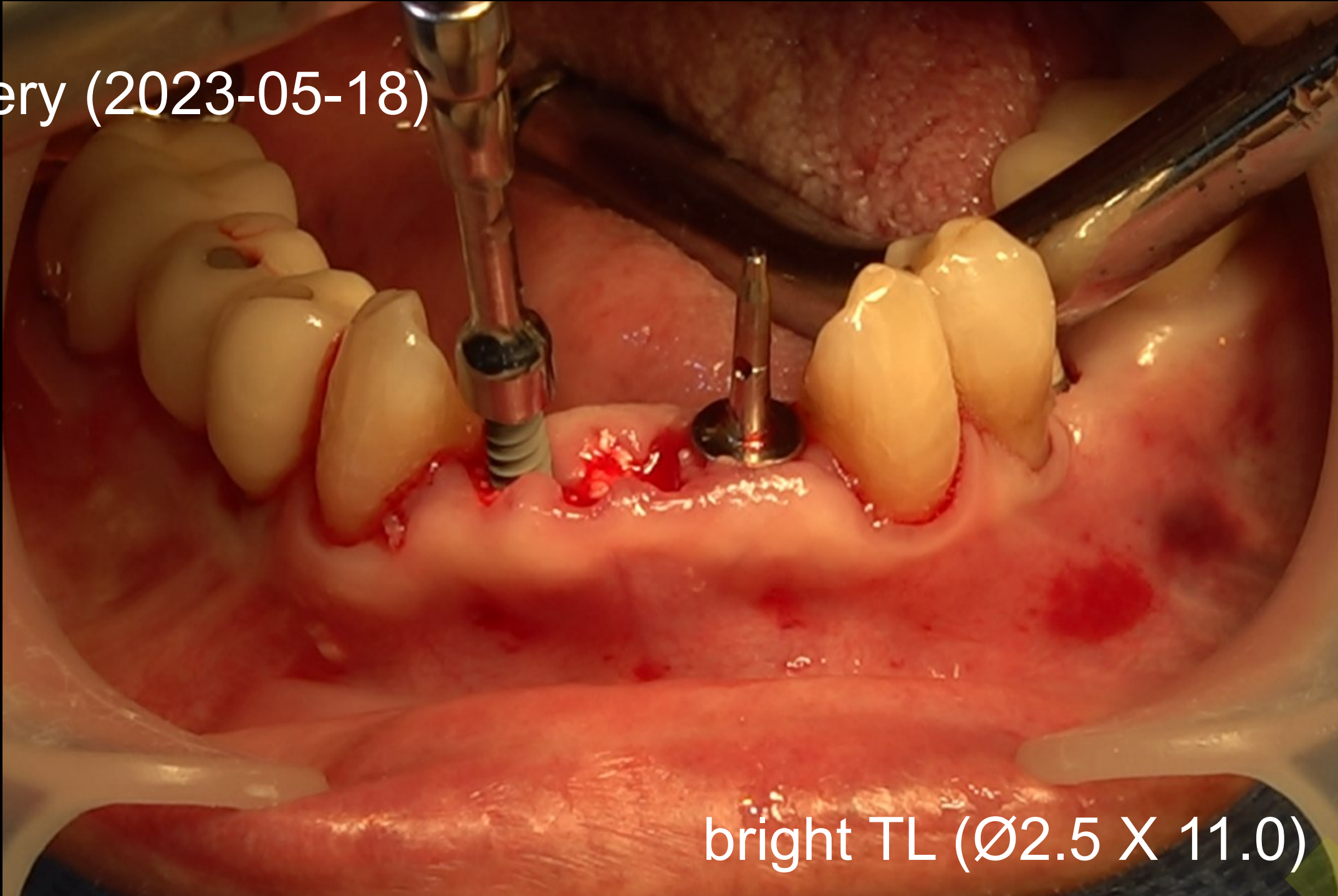
Parallel pin



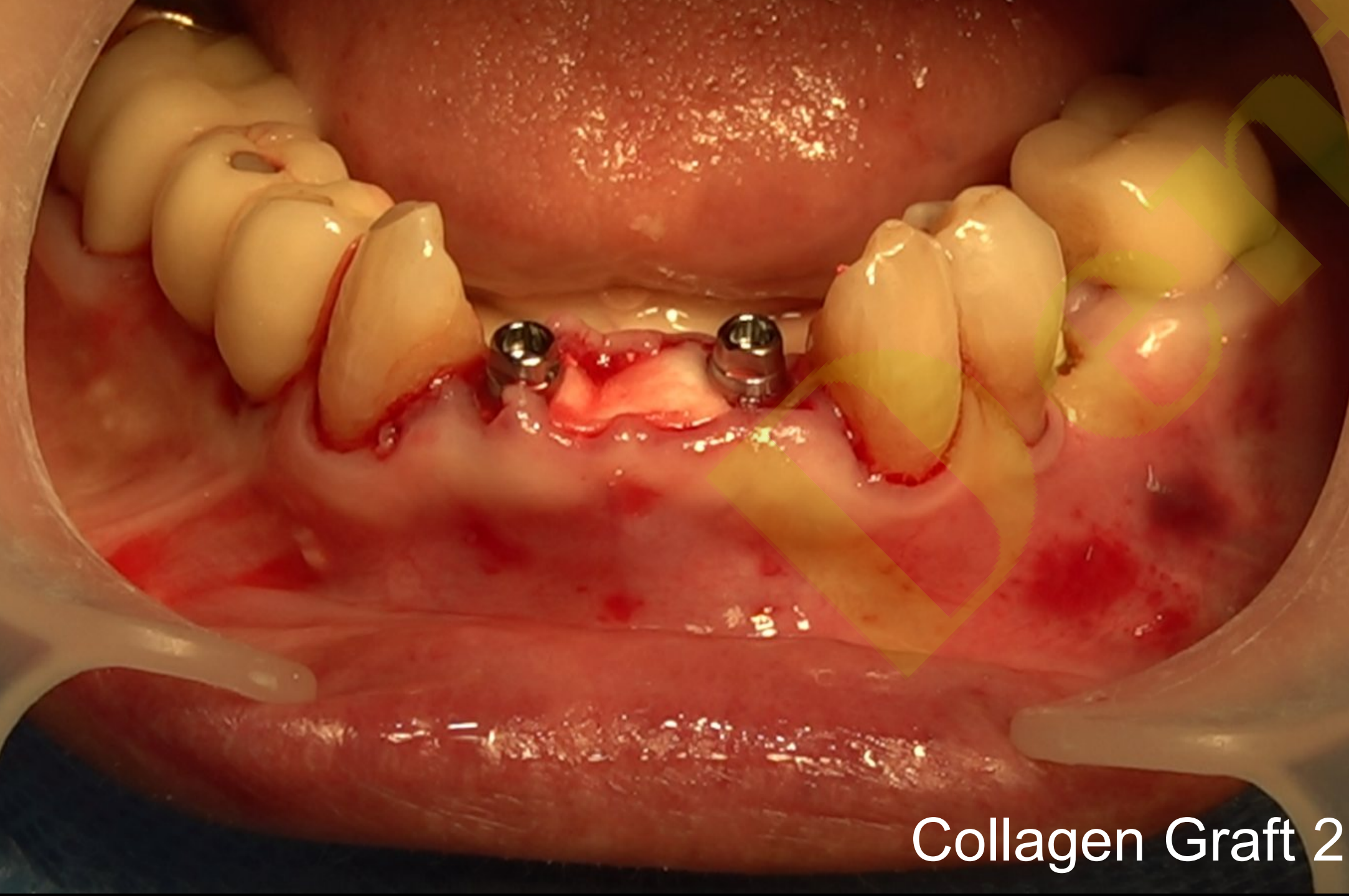
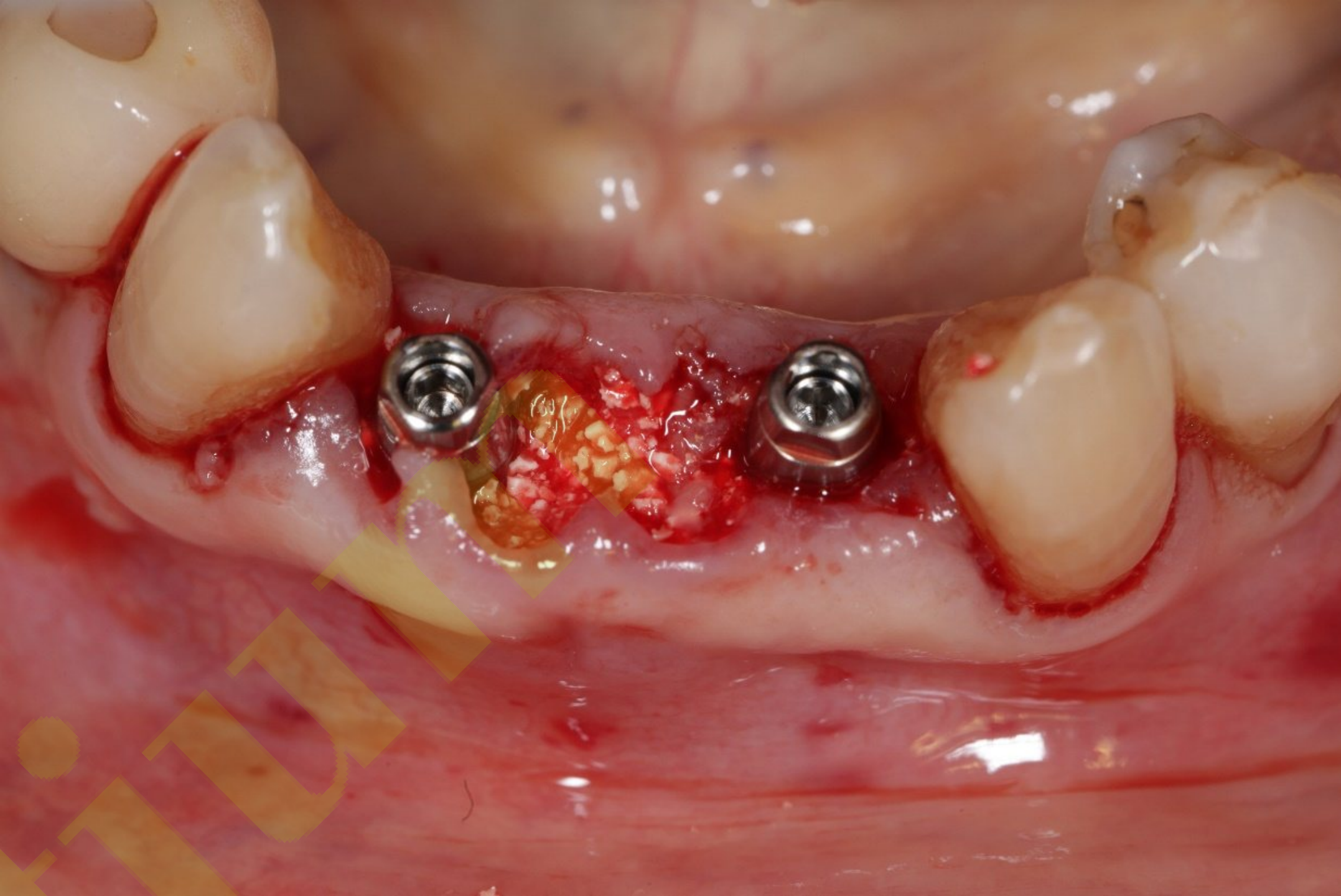
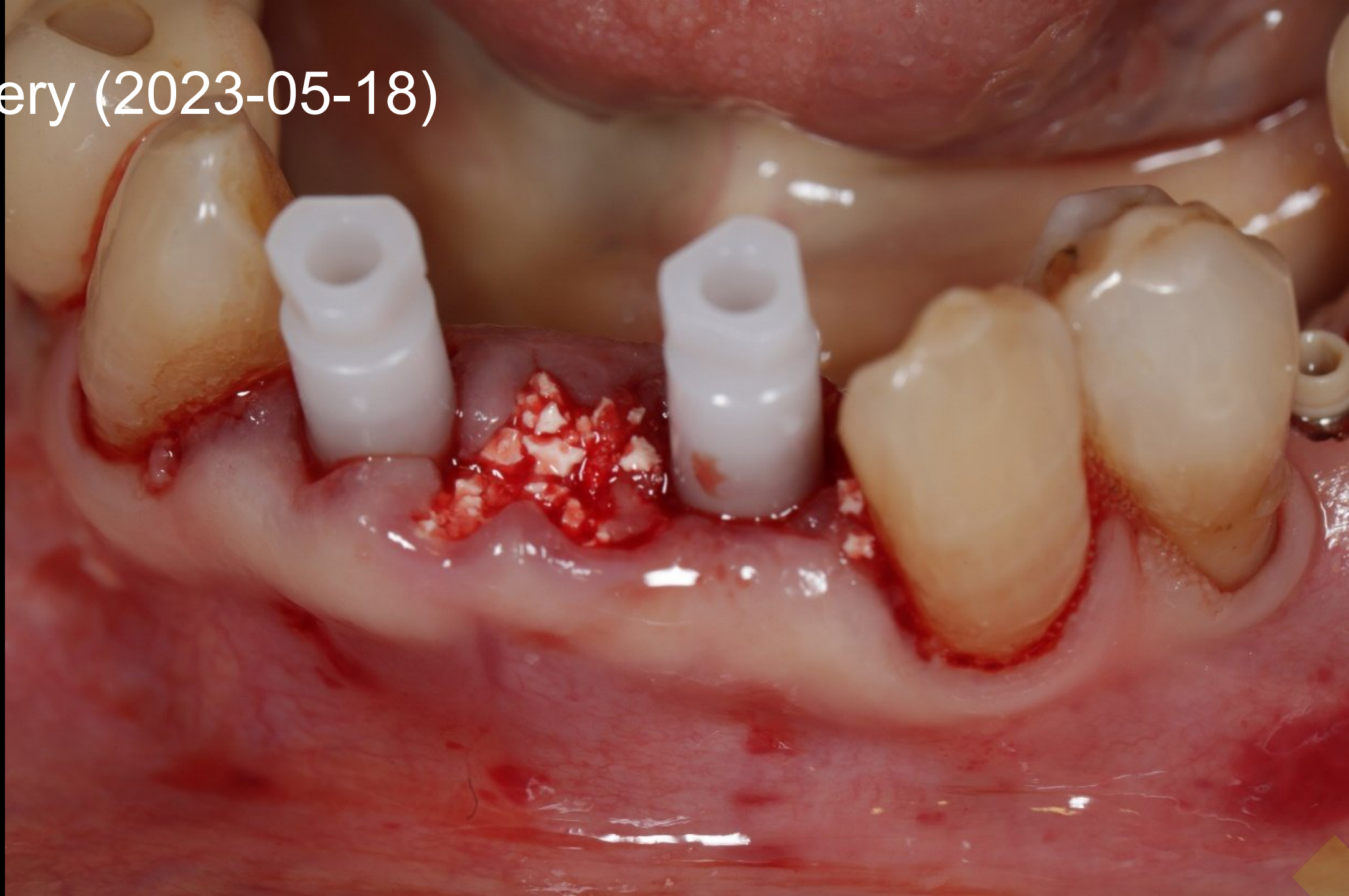
OSTEON™ 3 Collagen



Surgery (2023-05-18)



Surgery (2023-05-18)



Collagen Graft 2

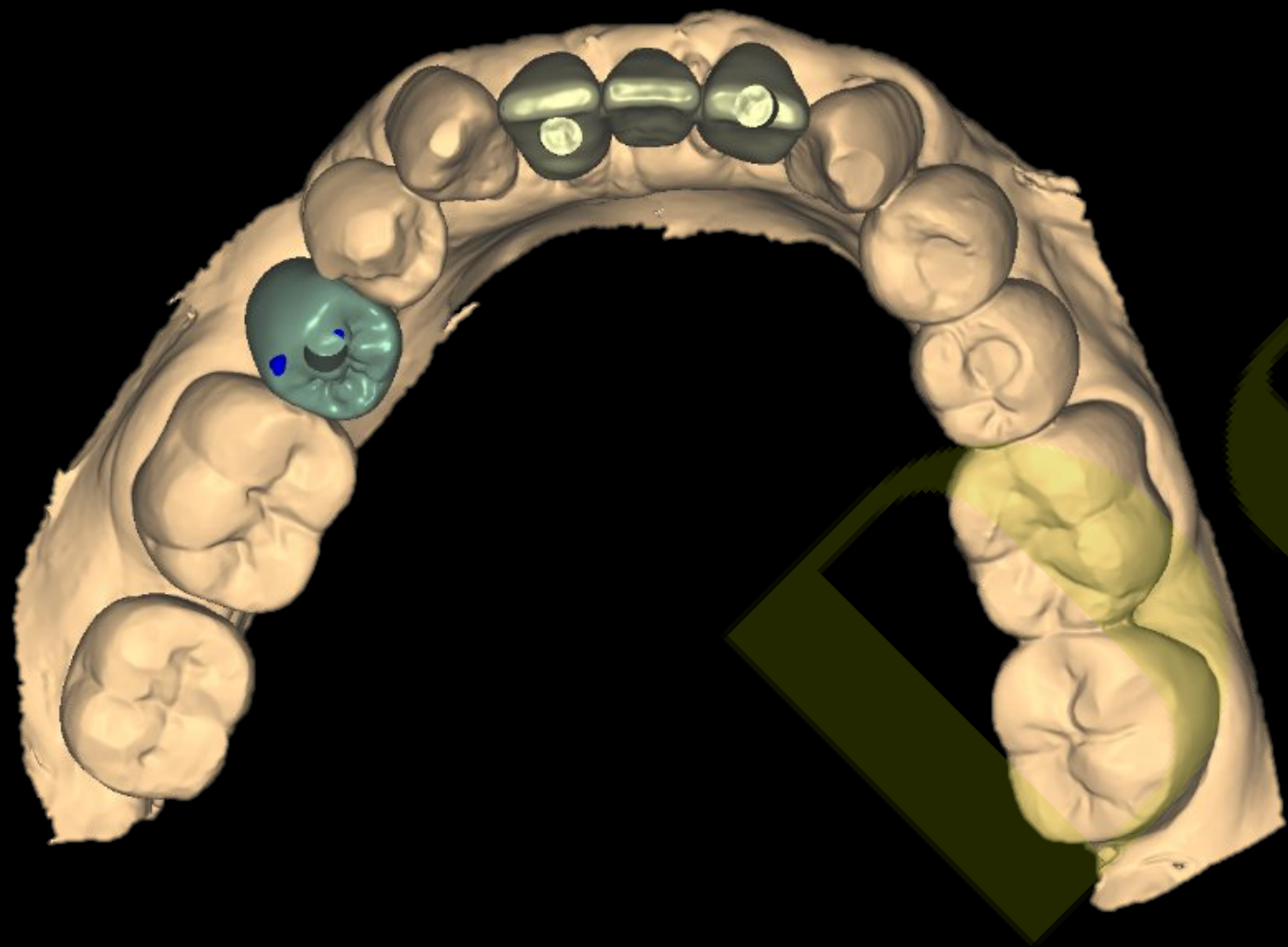
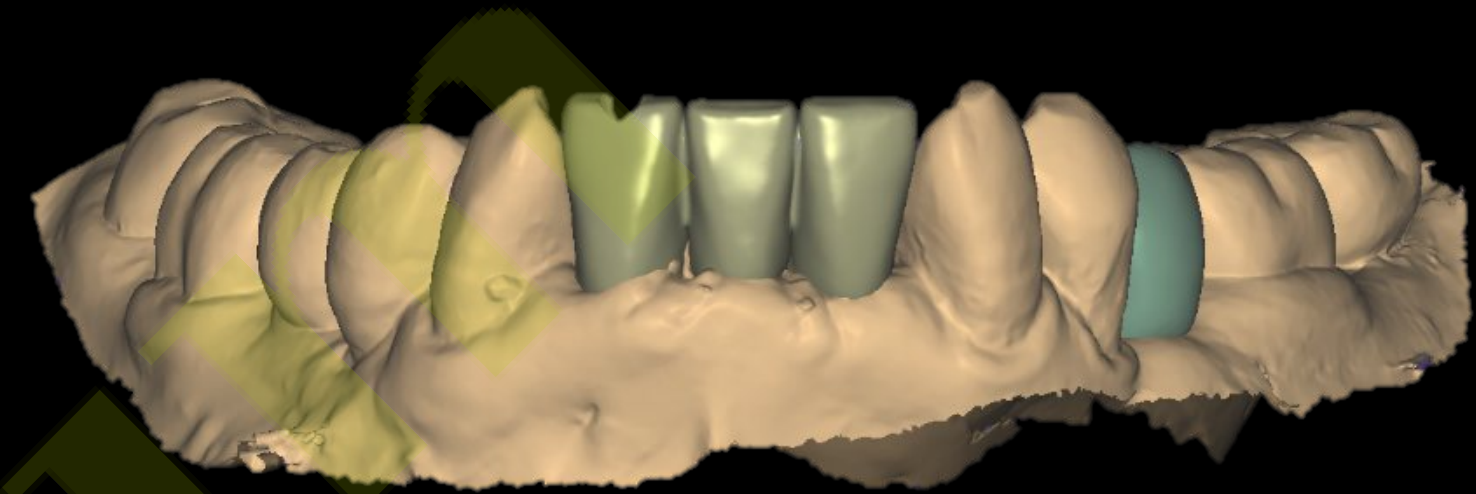
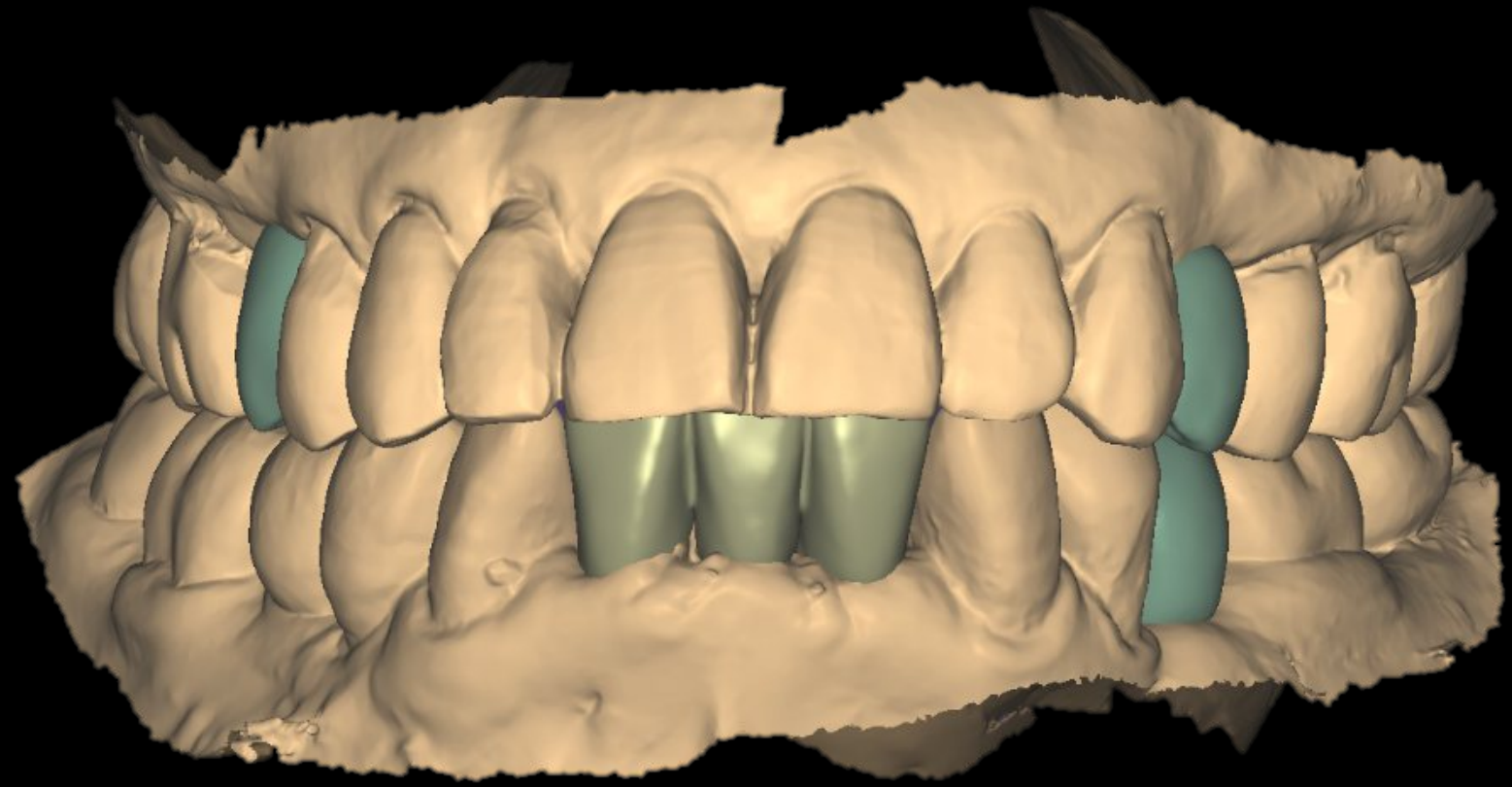
Healing : 1 week (2023-05-25)



Intra oral scanning



CAD (Provisional restoration)



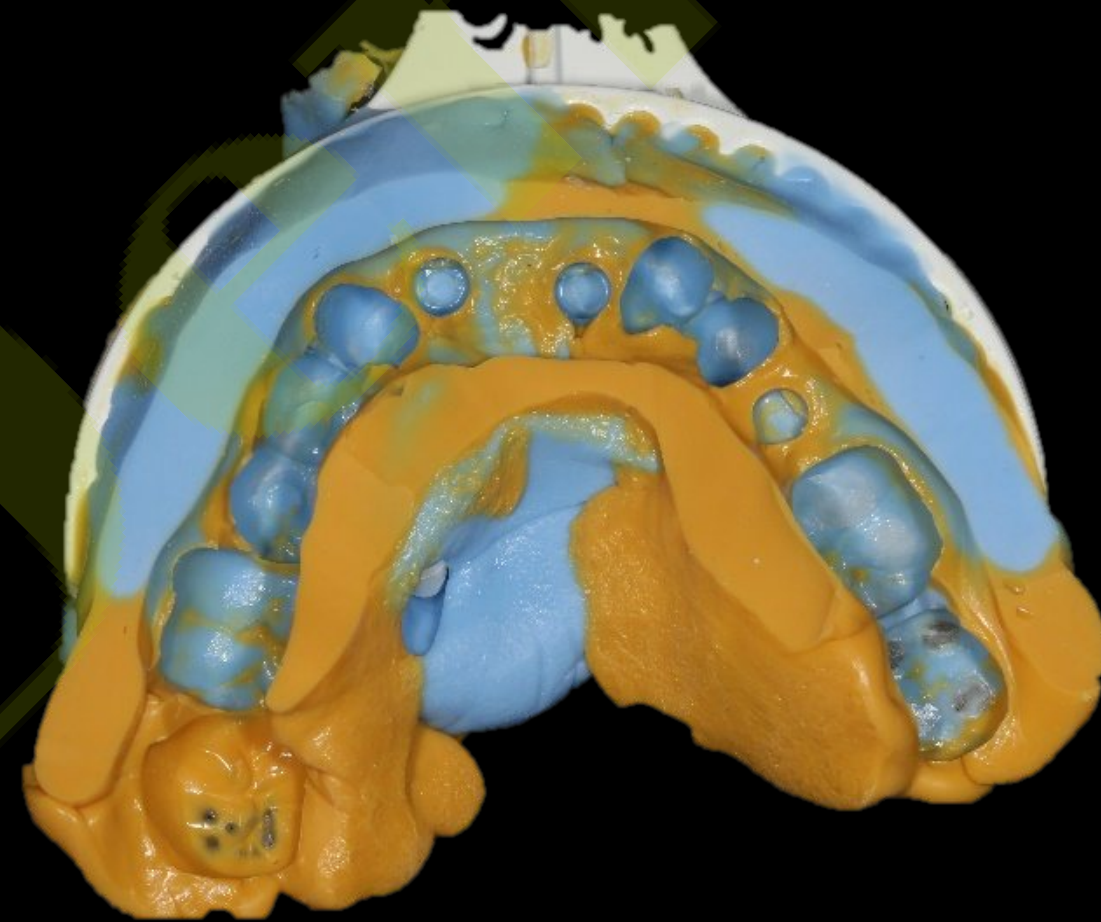
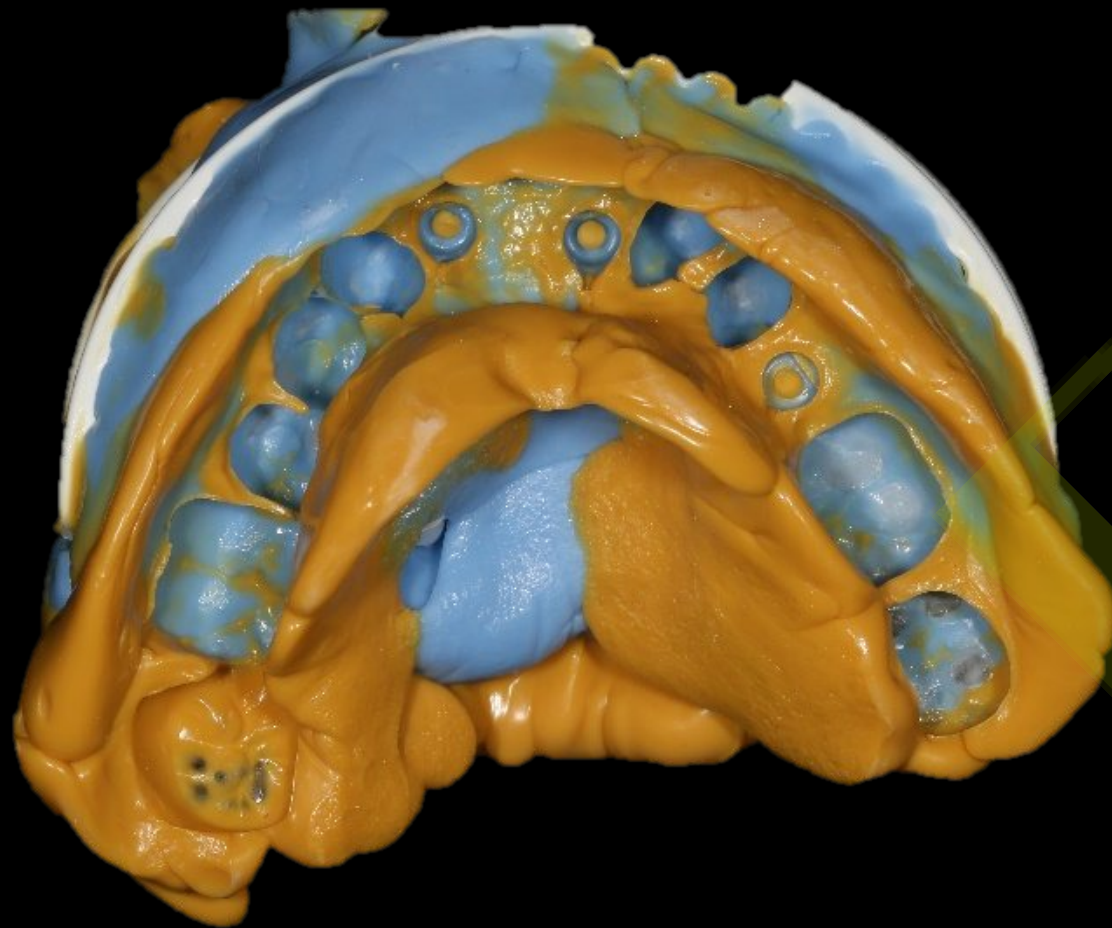
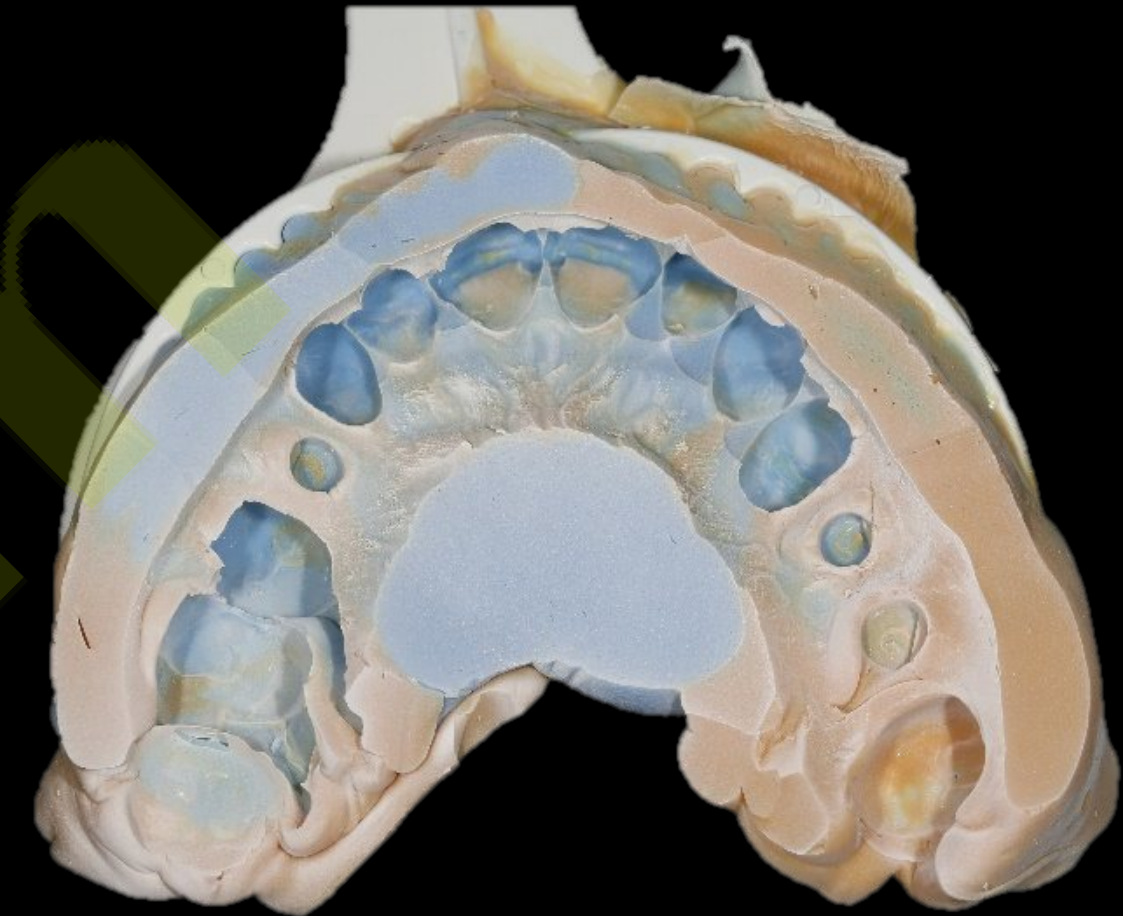
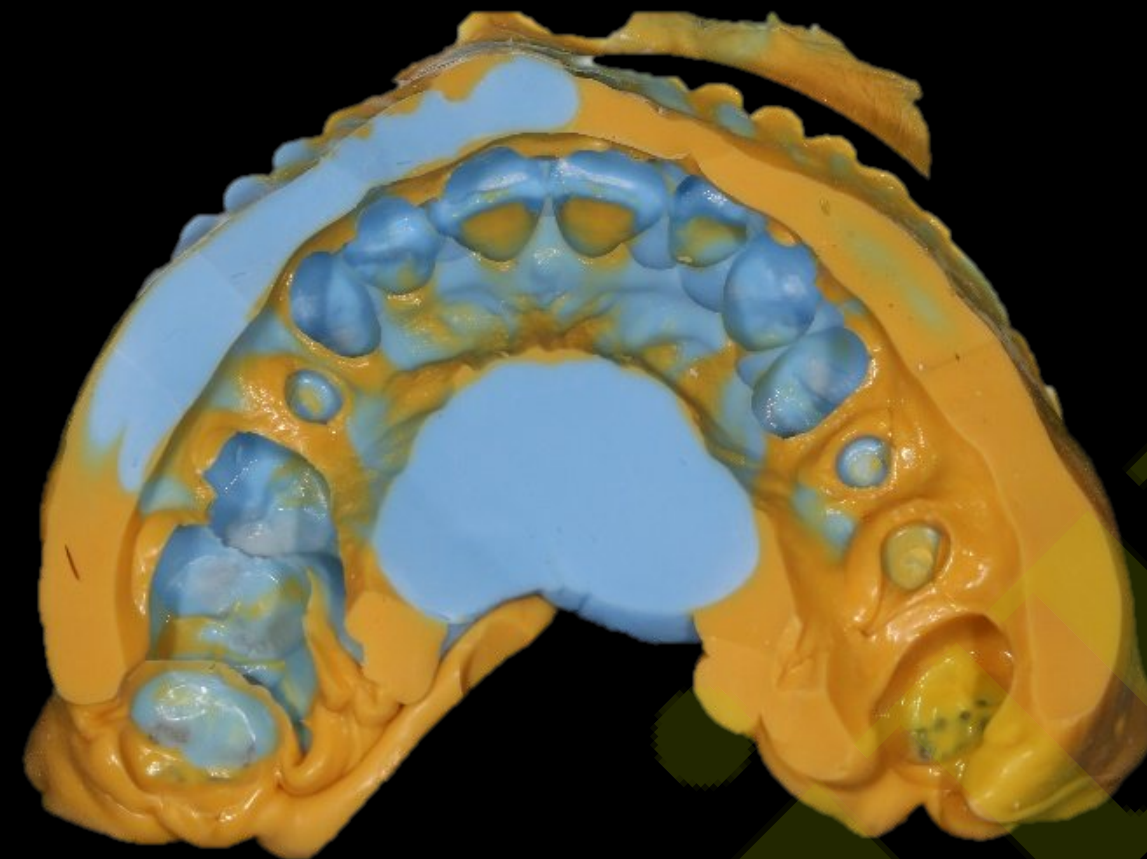
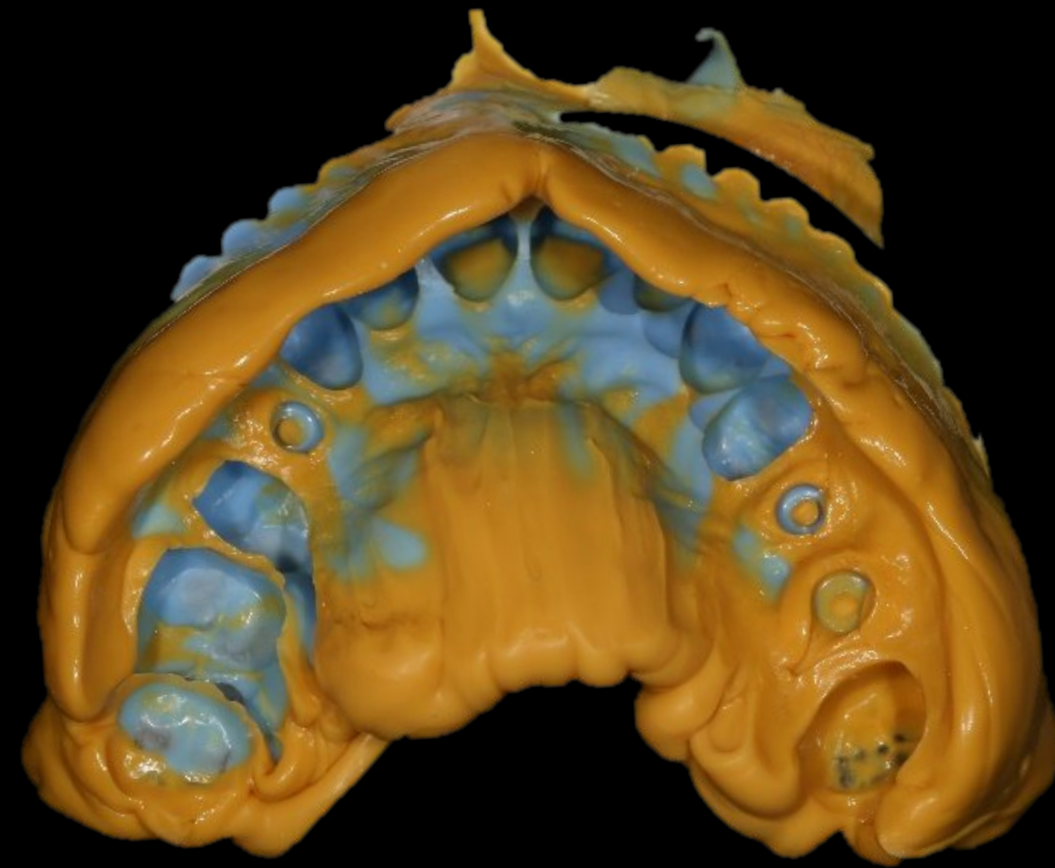
Provisional restoration (2023-05-25)



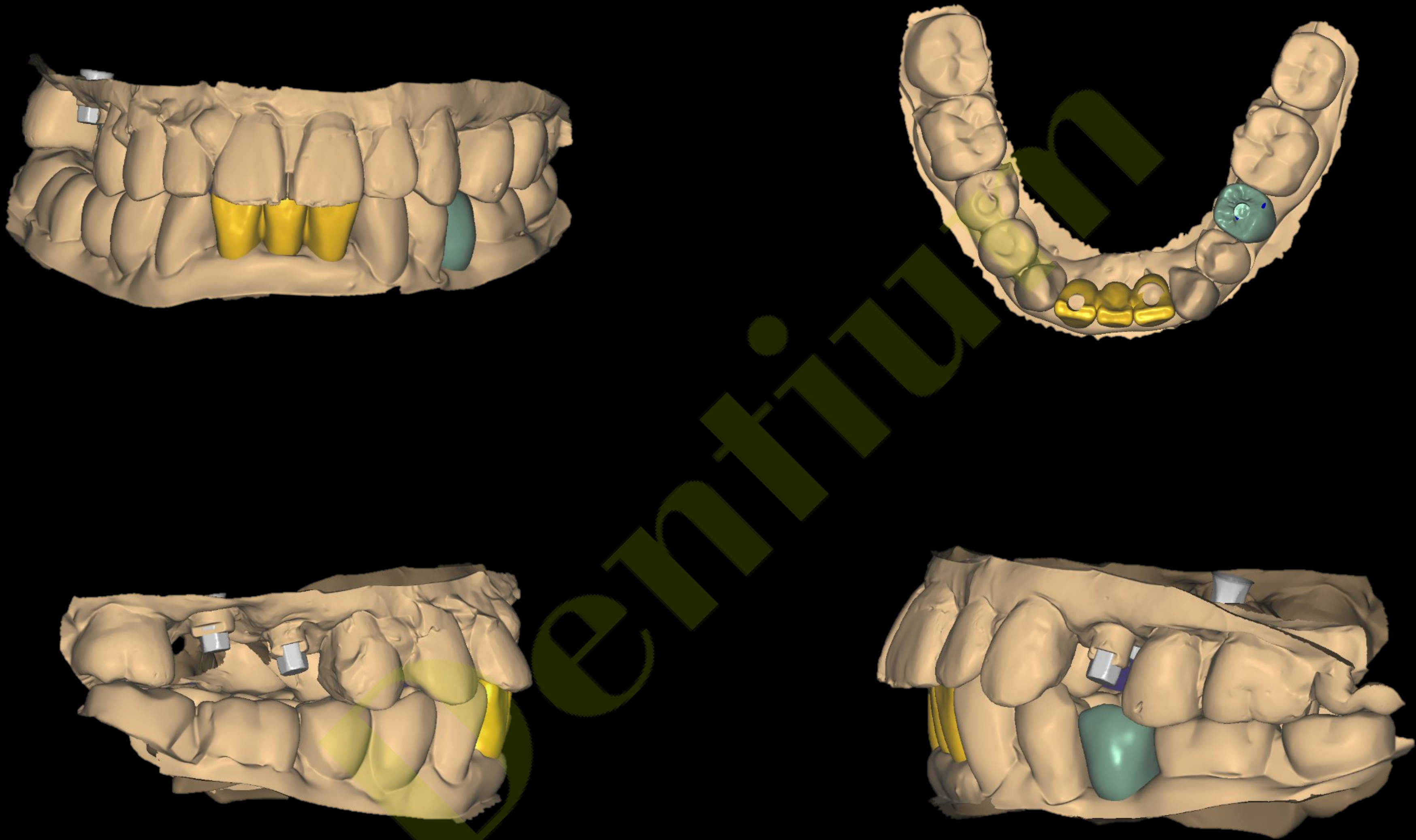
Shade taking



Impression / Trimming / Scan spray



CAD (Final prosthesis)

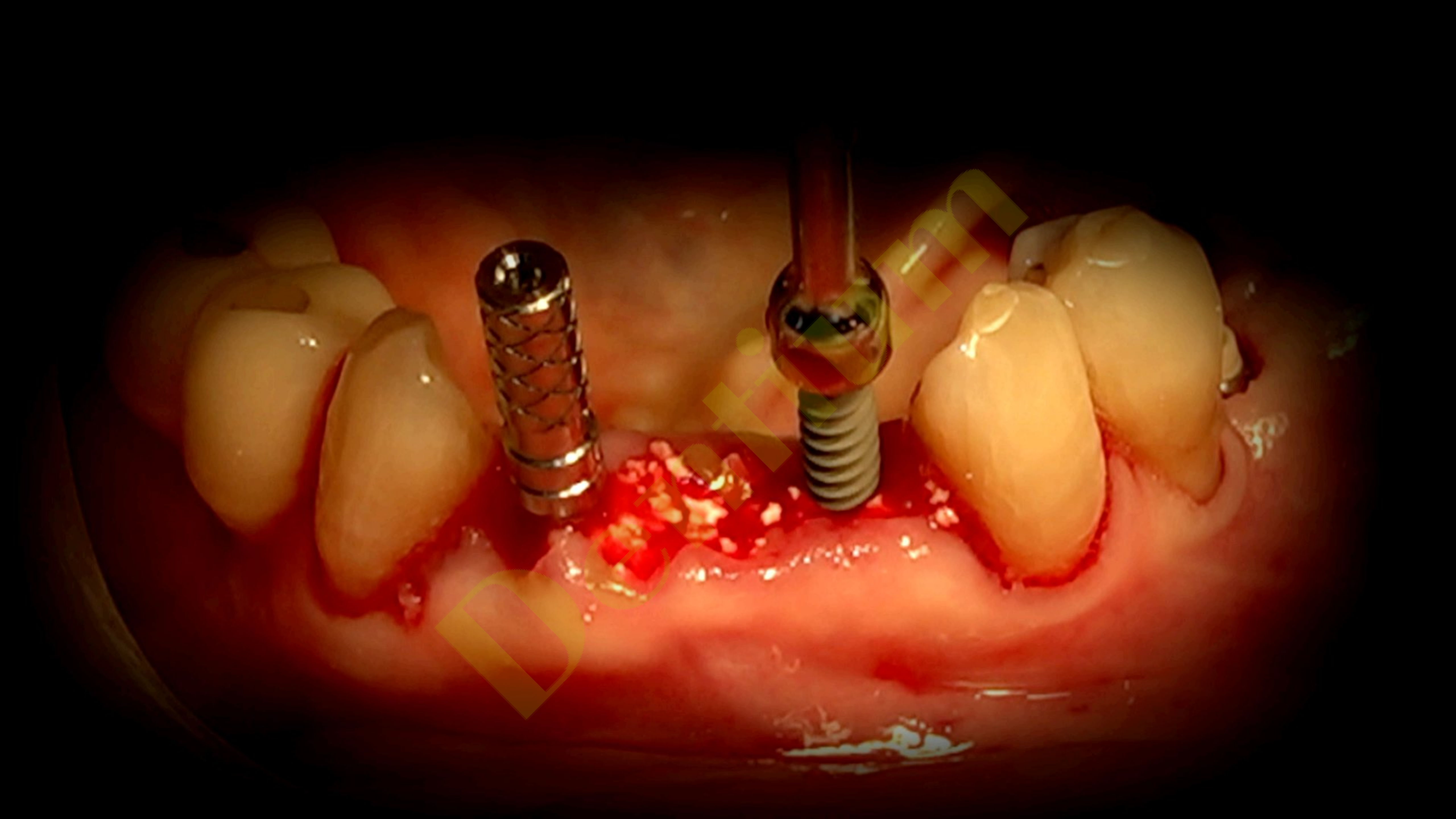


Milling / Sintering / Finishing



Final prosthesis (2023-09-01)





Contents

Upper post

Lower post

Upper ant

Lower ant

Edentulous

Orthodontics

Pre-op (2021-04-07)



Pre-op (2021-04-15)





#12



#15

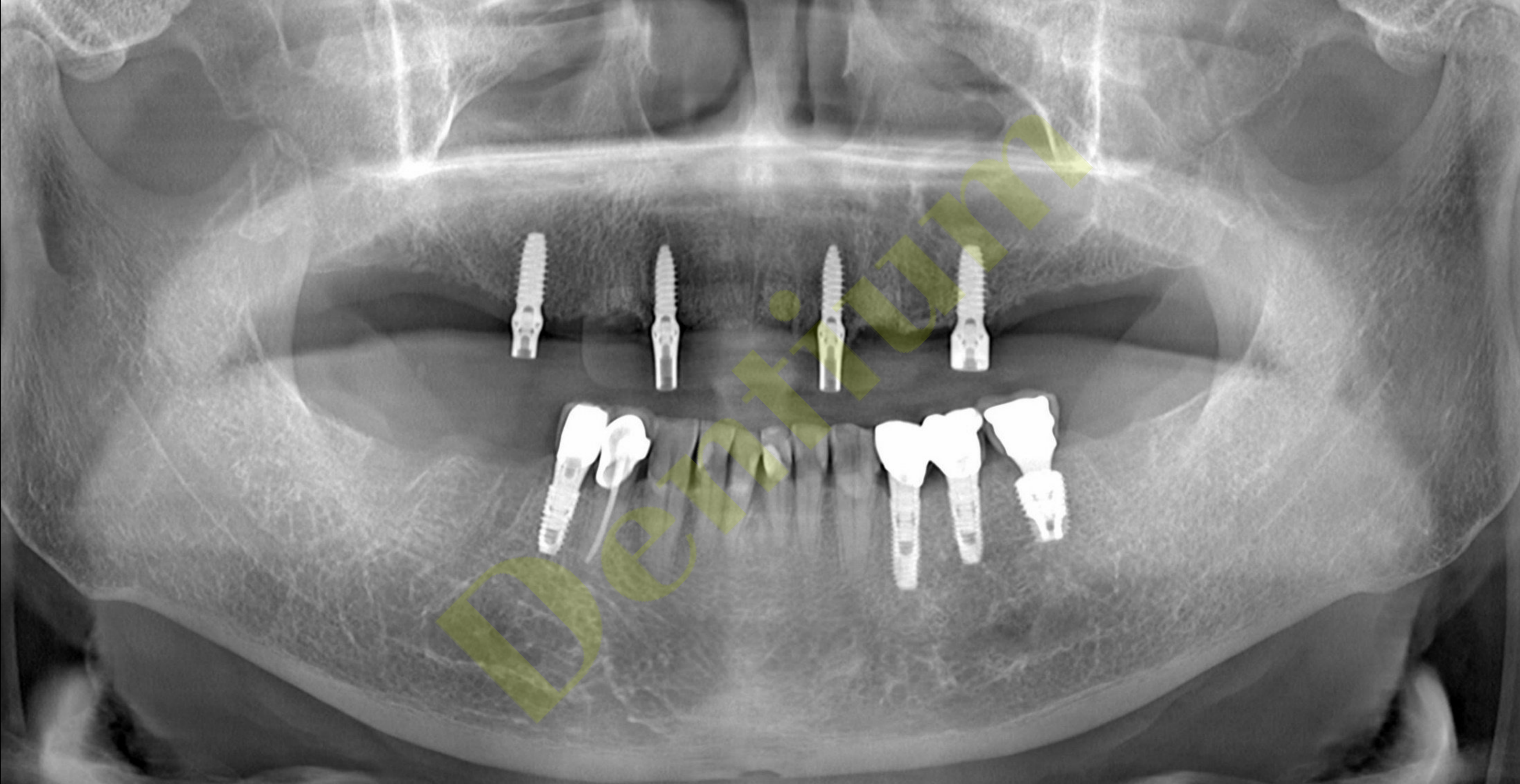


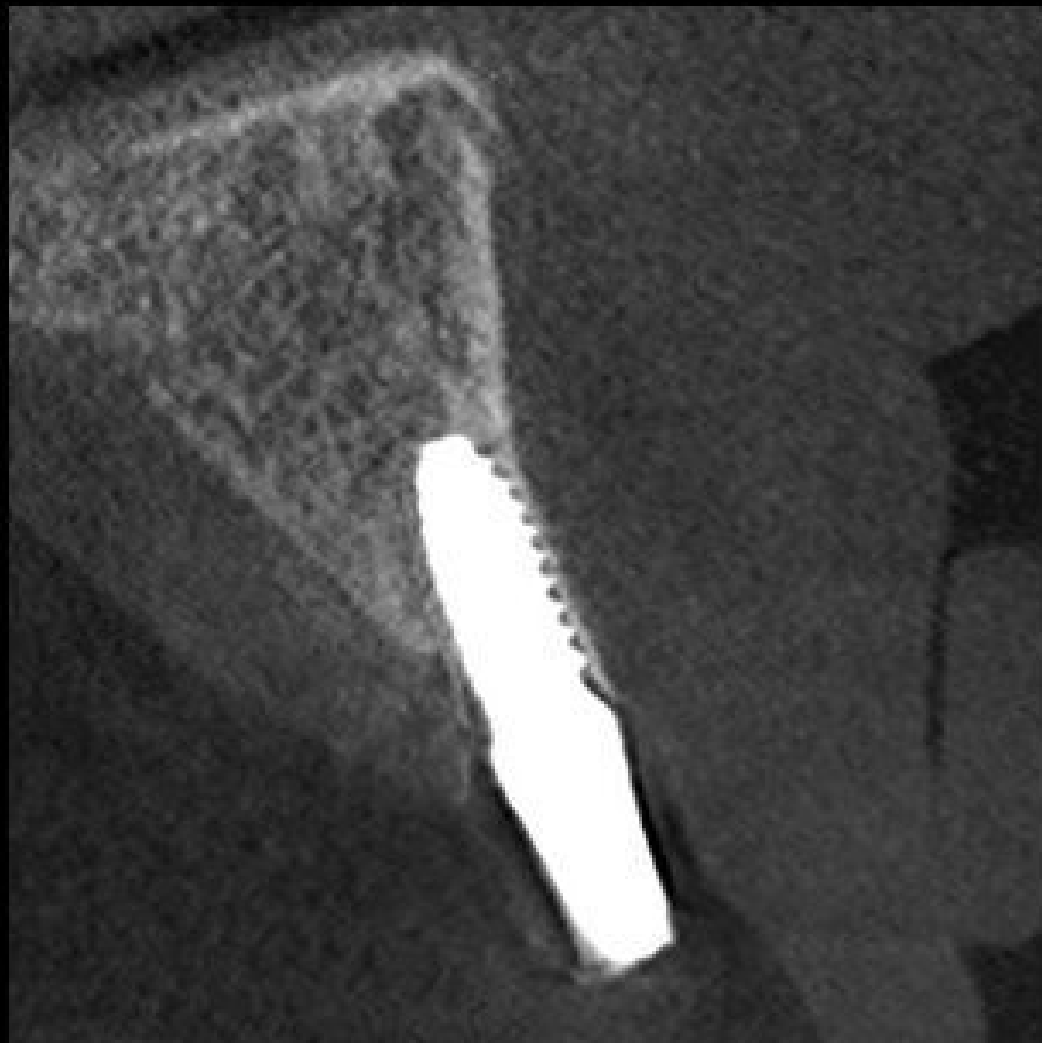
#22



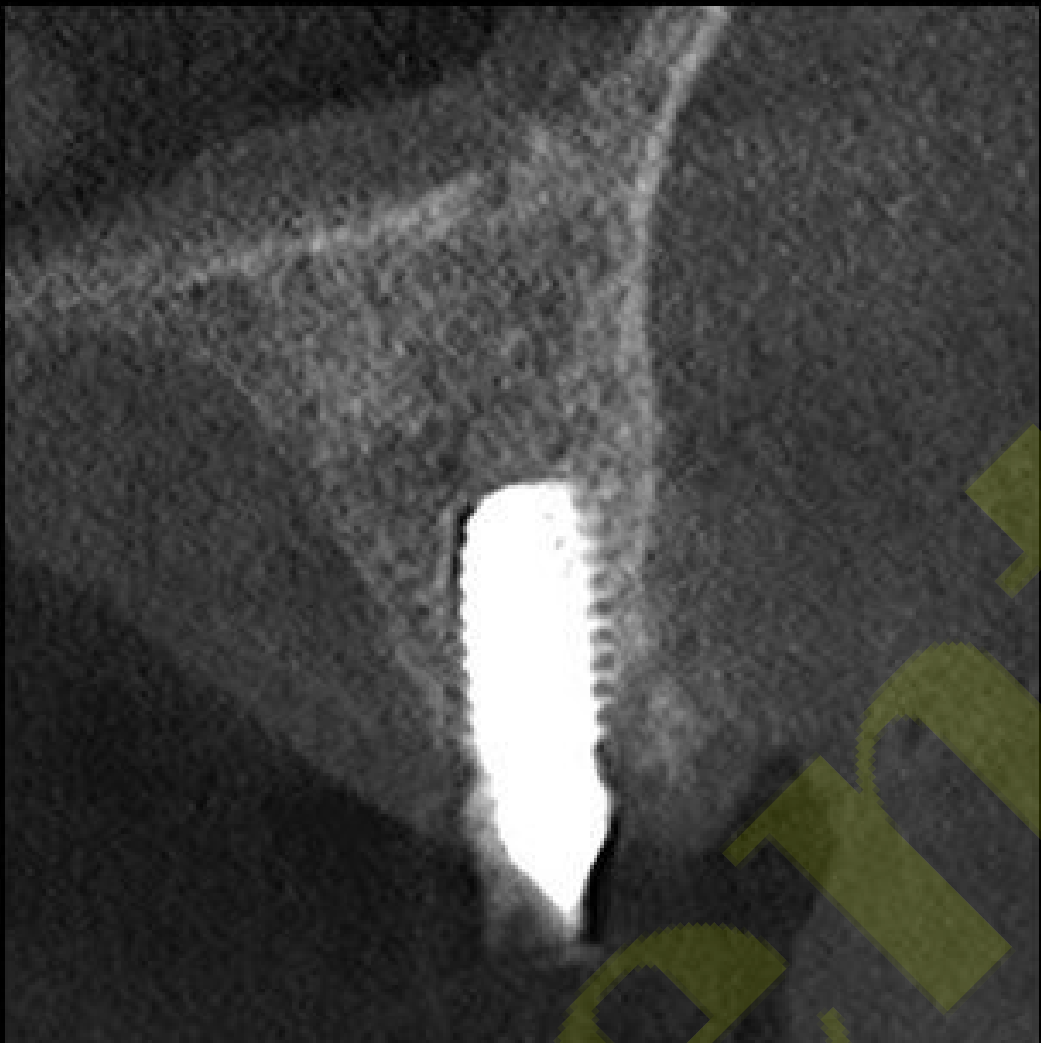
#25

Post-op (2021-05-07)

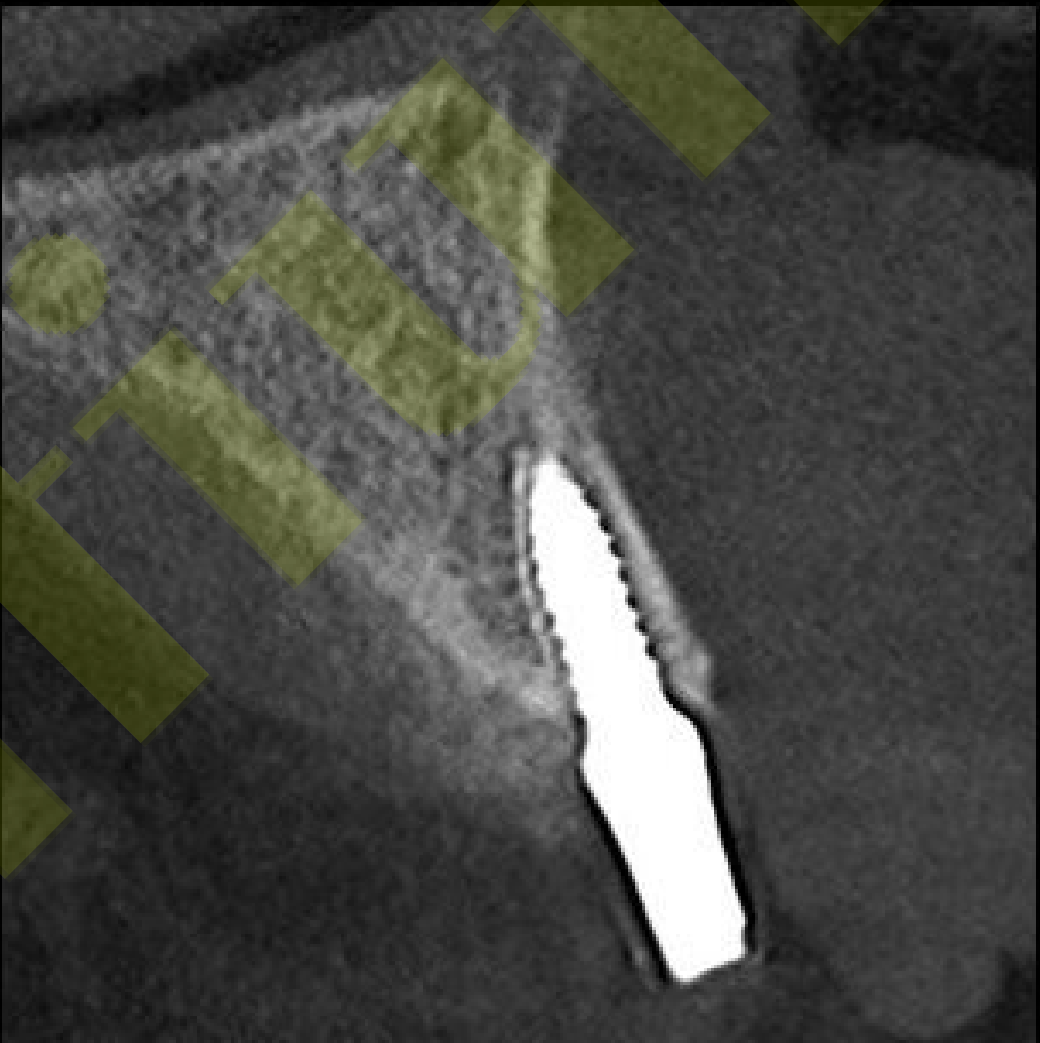




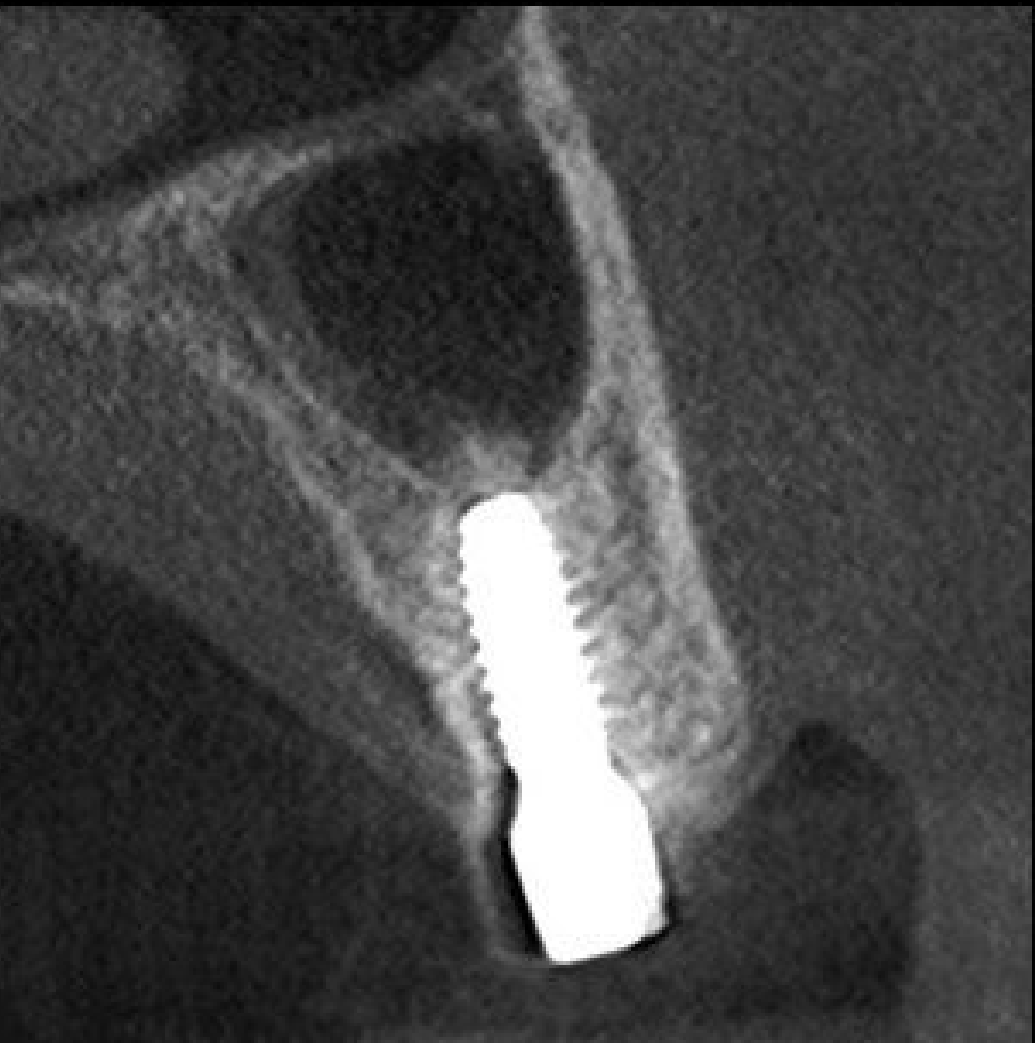
#12



#15



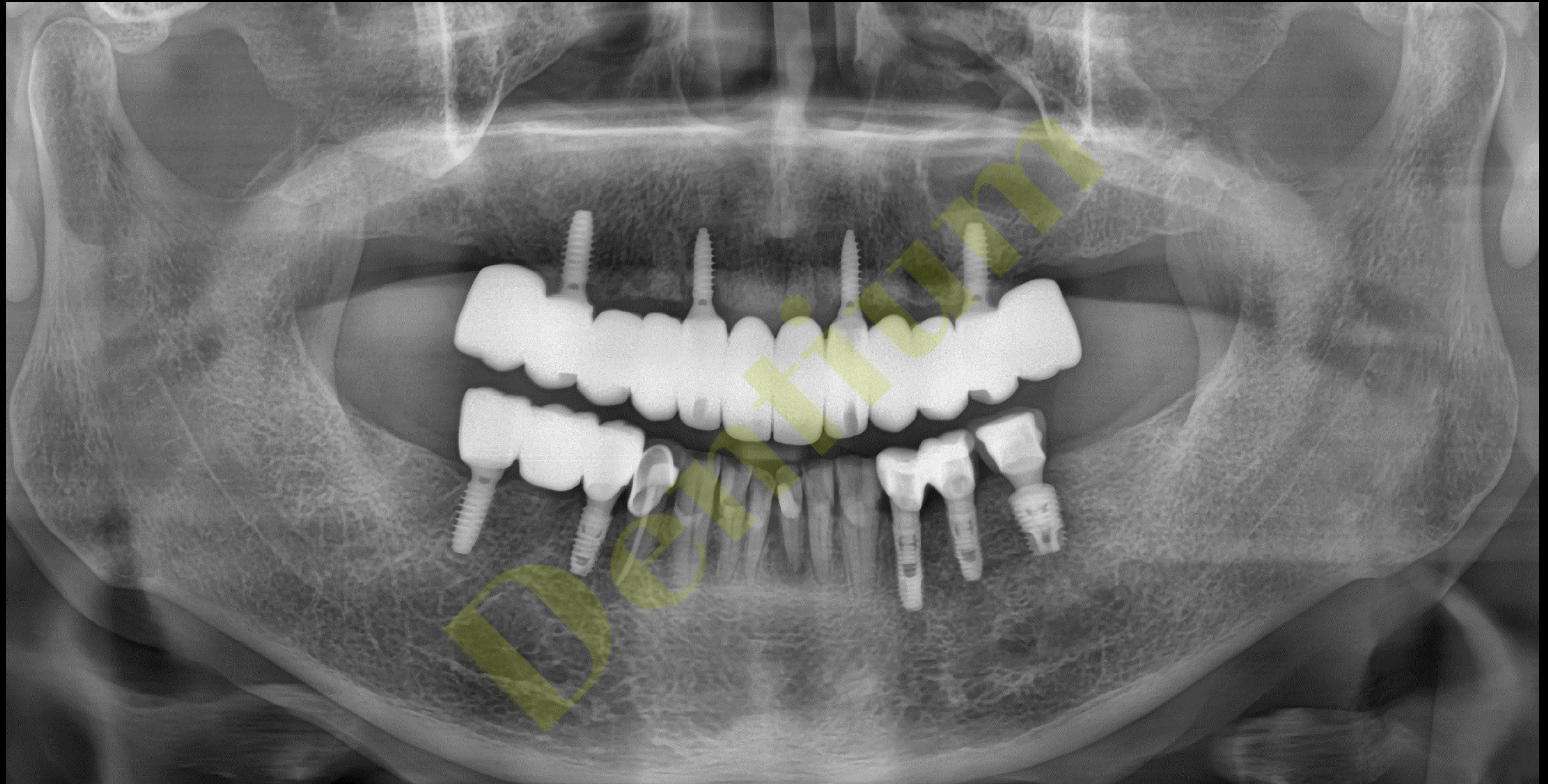
#22



#25



Follow up 1 year (2022-10-14)



Final prosthesis (2021-10-08)



HRF (2021-10-29)



Follow up 1 year 6 months (2023-04-19)



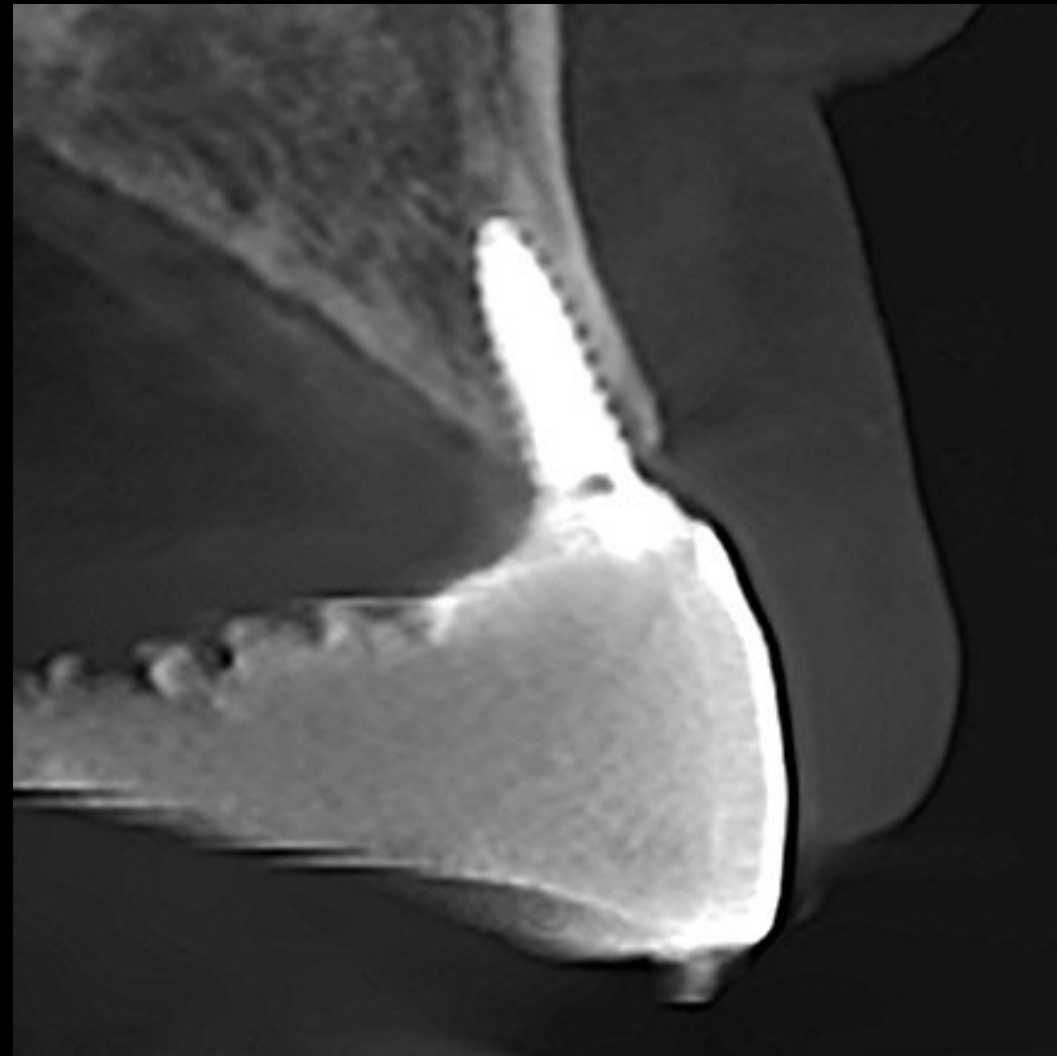
Follow up 2 year (2023-10-21)



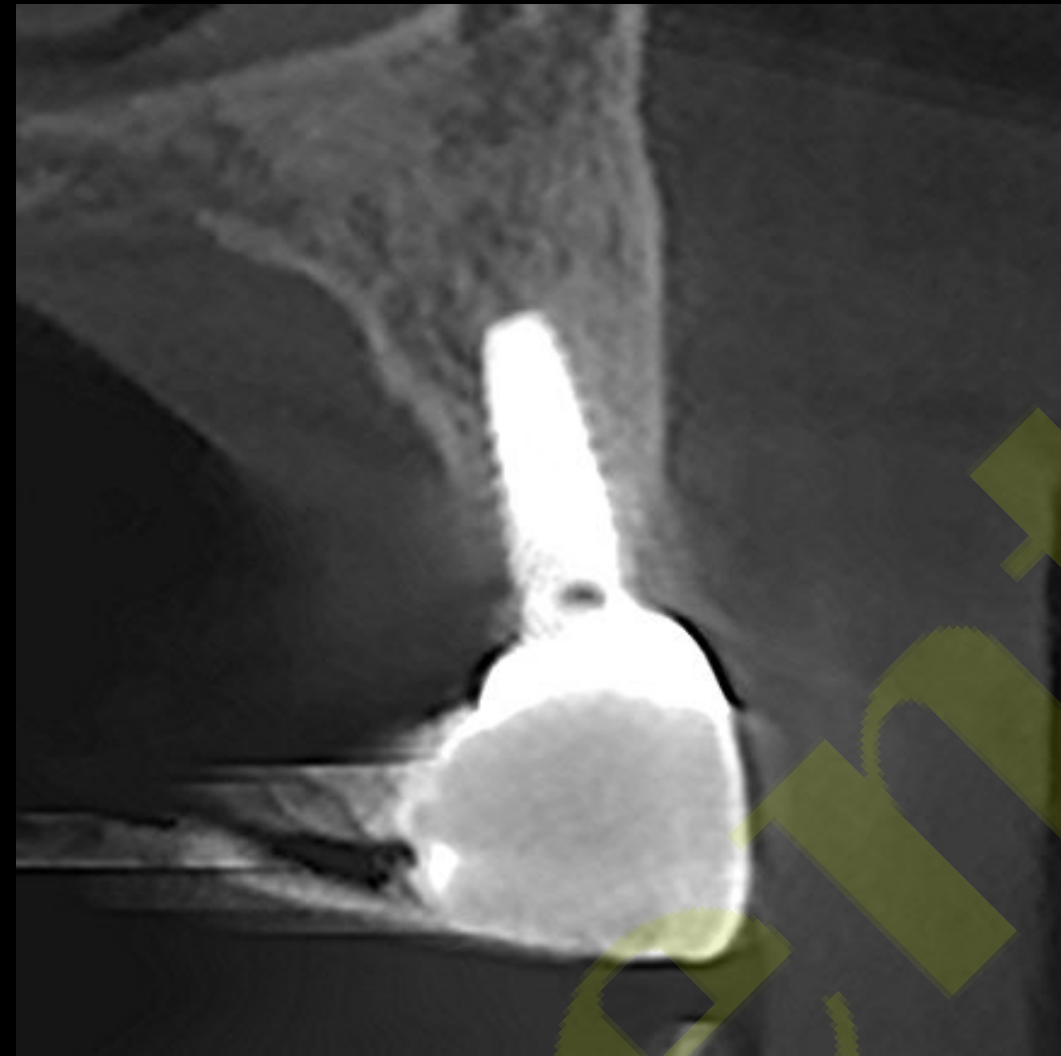
Follow up 2 years (2023-10-21)



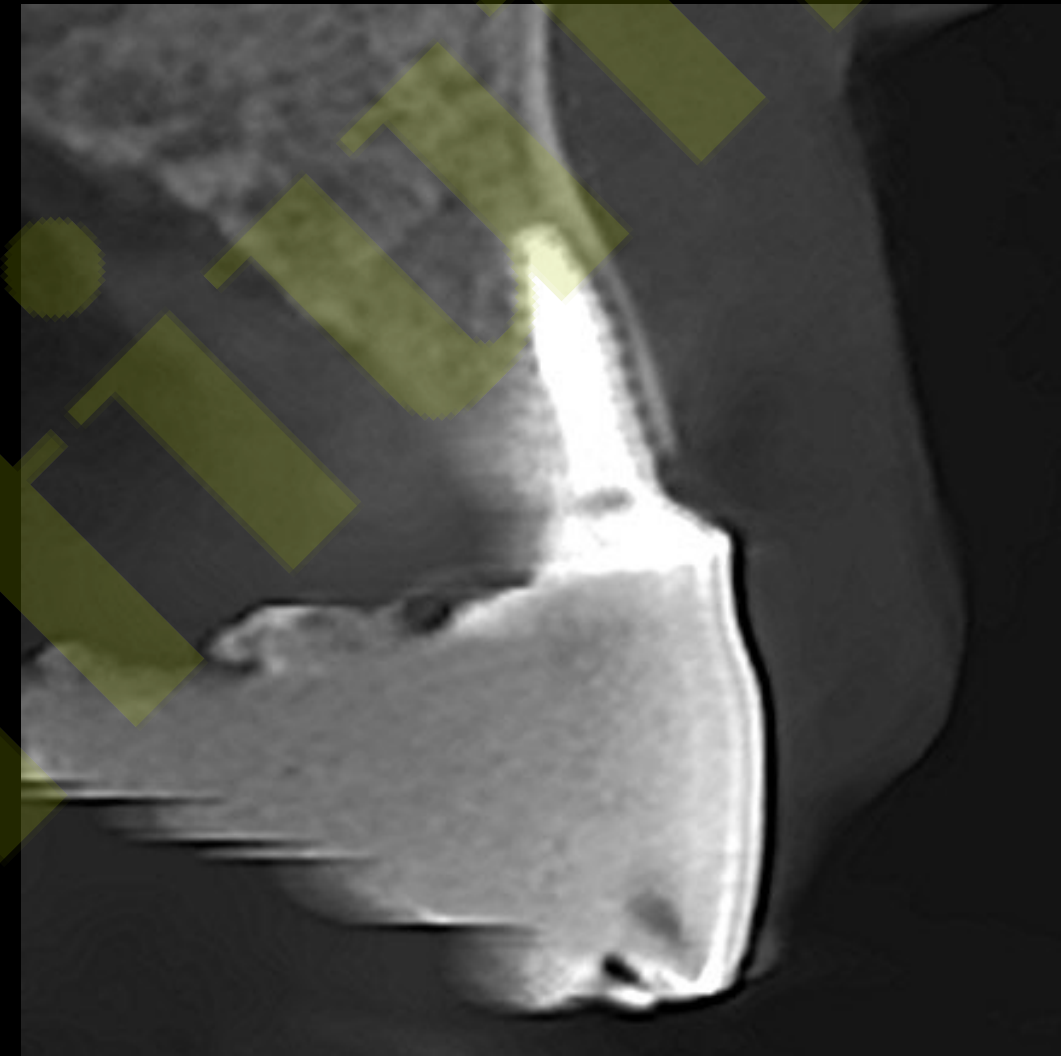
Follow up 2 years (2023-10-21)



#12



#15



#22



#25

Contents

Upper post

Lower post

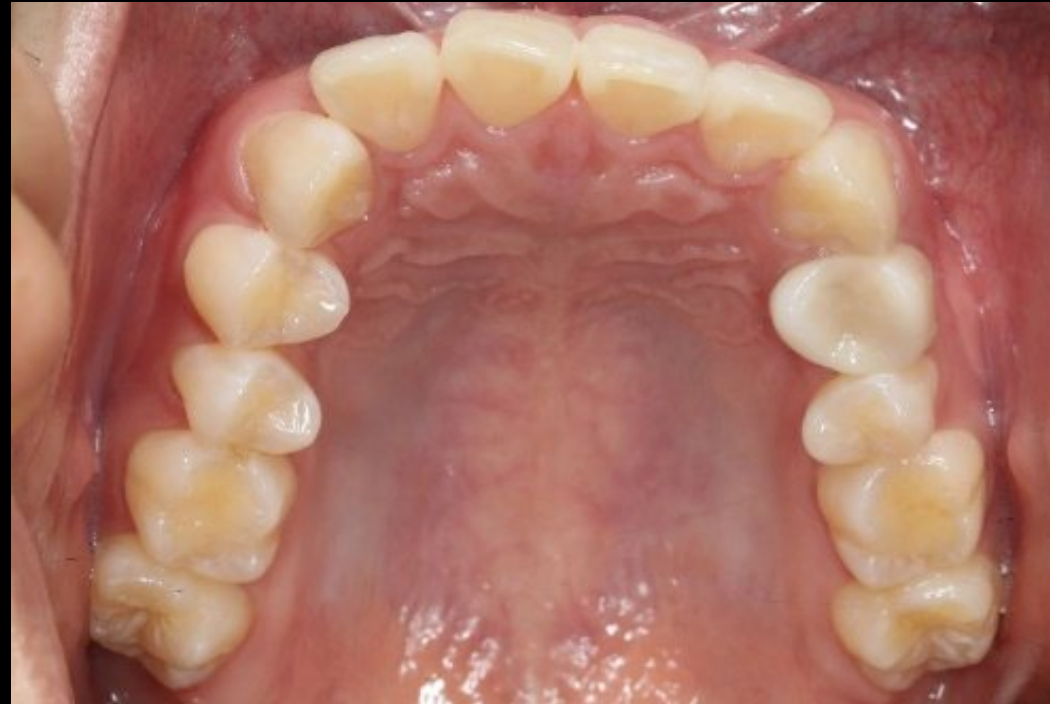
Upper ant

Lower ant

Edentulous

Orthodontics

Orthodontic concept with bright TL



Oral-exam



Palatal implantation



Orthodontic check



DBS & 6 months



8 months

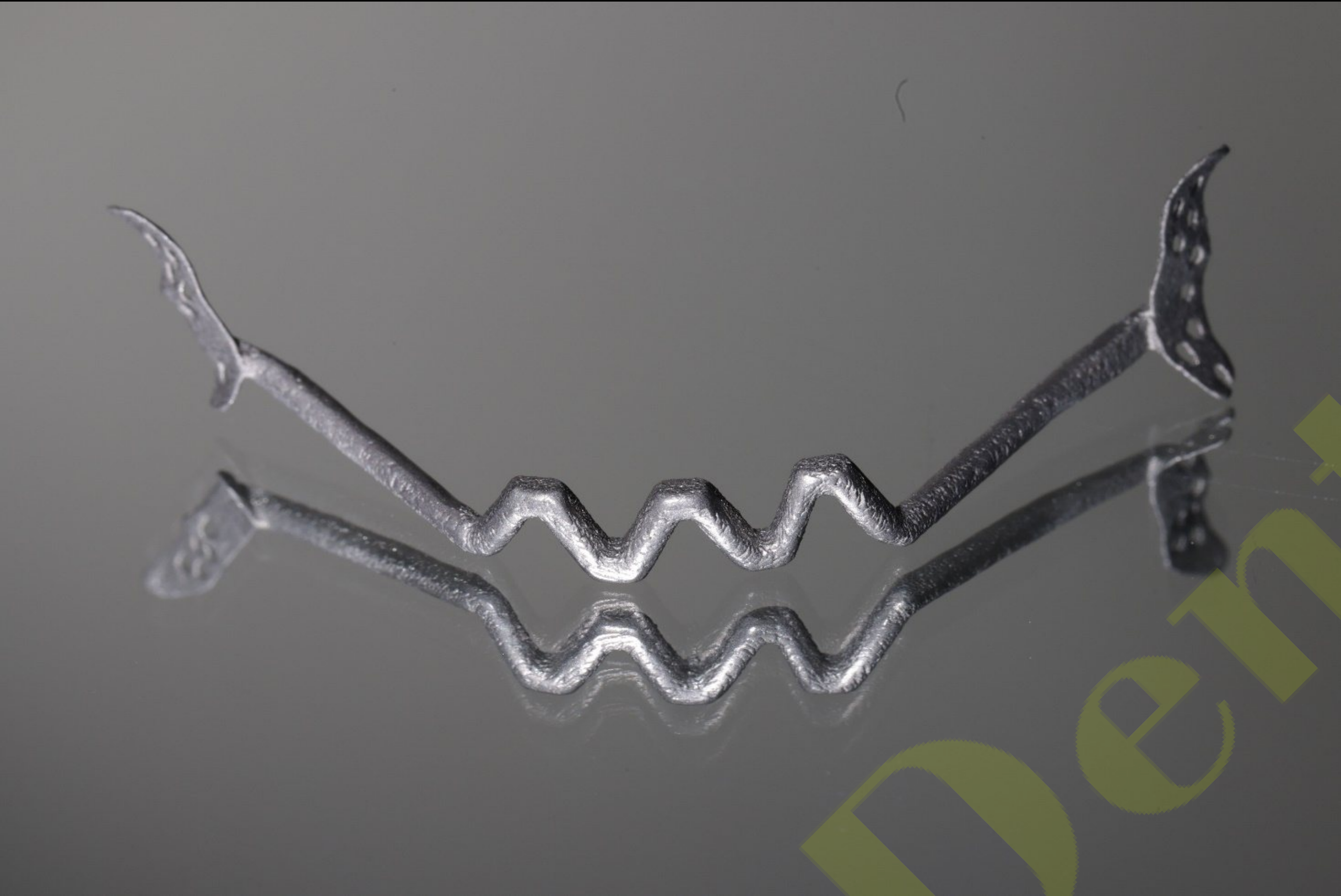


10 months



13 months

Metal printing



Delivery (2023-08-10)



감사합니다

새롭게, SUV의 감각을 넓히다
The new GLC

A large outdoor advertisement for the Mercedes-Benz GLC SUV. The ad is split into two main sections. The left section features a blue GLC SUV driving on a light-colored road, with the text '새롭게, SUV의 감각을 넓히다' and 'The new GLC' above it. The right section is dark blue with the 'Mercedes-Benz' logo and name in white. A large, stylized Mercedes-Benz star logo is also visible on the right side. The background shows a modern glass skyscraper and a cloudy sky.

Mercedes-Benz

도와준 임상연구팀 기공팀에 감사합니다