



LIVE

Surgergy

Dr. Root

2020.08.07 (Fri.)



[Case 1 Preview]

Simple contour augmentation and Implant placement (Anterior area)

Patient Information

Age : 50y

Sex : Male

Chief Complaint

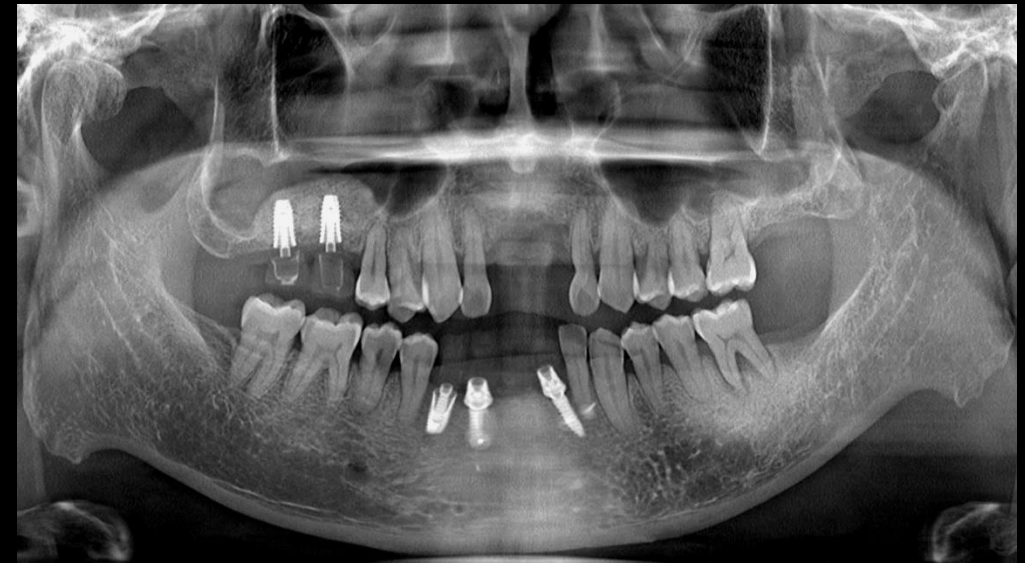
: "I want an implant surgery consultation"

Past Medical History

: Hypertension (Do not take aspirin)

Past Dental History

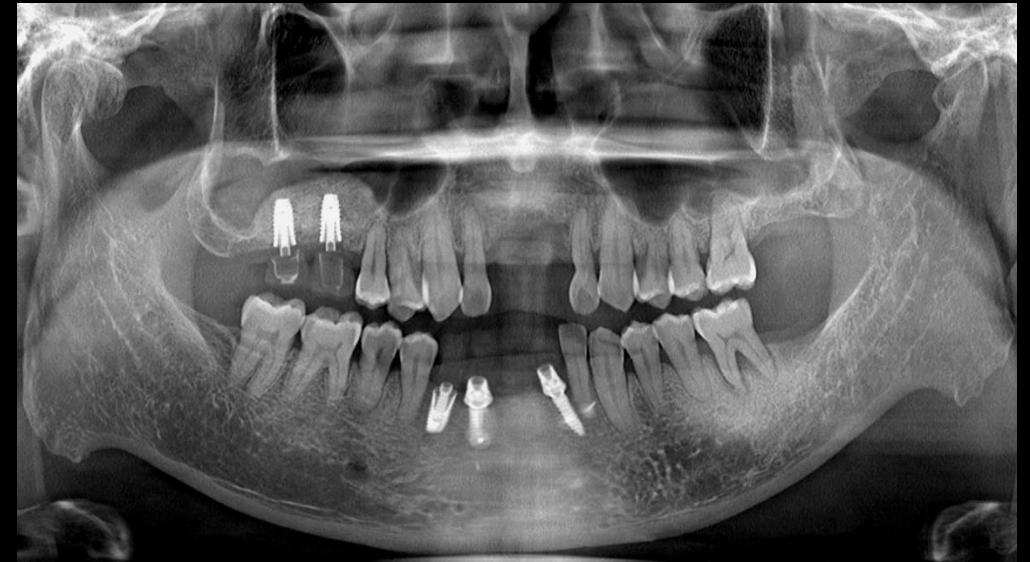
: Extraction #11,21 (2020.01.21)



Patient Information

Surgery Plan

- #11,21 Implant placement using Digital Guide
- Contour augmentation



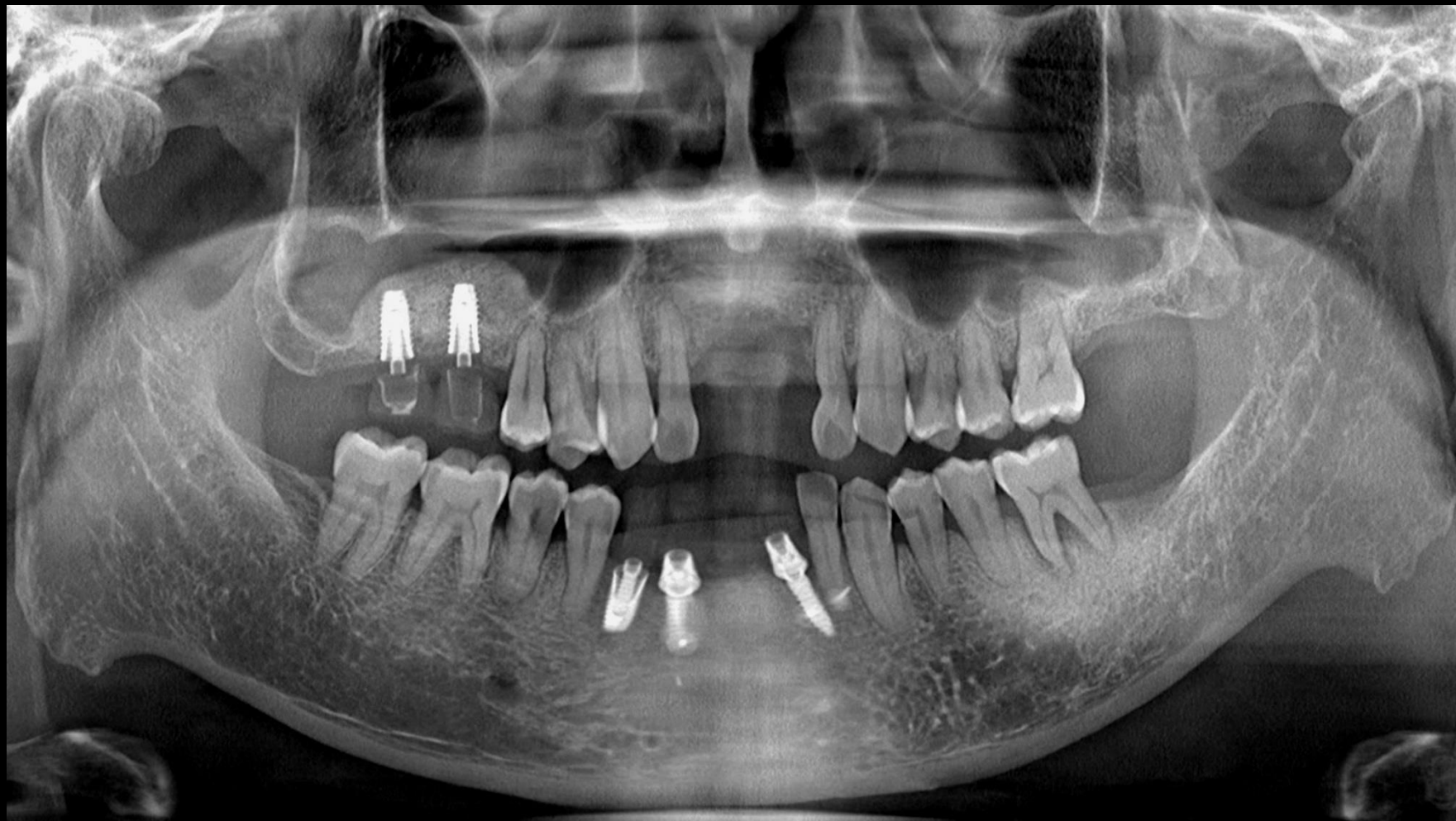
Pt. Son (50y/M)

Oral exam (2019-11-01)



Pt. Son (50y/M)

Pre-op (2020-07-28)



Pt. Son (50y/M)

#11

rainbow 3D Viewer

MPR CROSS VIRTUAL CEPH TMJ REPORT

Patient Information

View Control

Open

Project

Save

Settings

Measurement

Capture Group

Layout

Transfer function

Reset

Model Builder

Dentium
For Dentists By Dentists

Curve Info

W 80mm

I 1.0mm

T 1.0mm

Nerve Info

T 1.0mm

Pt. Son (50y/M)

#11 (4.72mm)

rainbow 3D Viewer MPR **CROSS** VIRTUAL CEPH TMJ REPORT

Patient Information

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Project

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Measurement

Capture Group

Layout

Transfer function

Reset

Model Builder

Dis : 4.72 mm



Dentium
For Dentists By Dentists

rainbow 3D Viewer

MPR CROSS VIRTUAL CEPH TMJ REPORT

Patient Information

View Control

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Project

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Measurement

Capture Group

Layout

Transfer function

Reset

Model Builder

Dentium
For Dentists By Dentists

Curve Info

W 80mm

I 1.0mm

T 1.0mm

Nerve Info

T 1.0mm

Pt. Son (50y/M)

#21 (4.71mm)

rainbow 3D Viewer MPR **CROSS** VIRTUAL CEPH TMJ REPORT

Patient Information
View Control
Open
Project
Save
Settings
Measurement
Capture Group
Layout
Transfer function
Reset
Model Builder

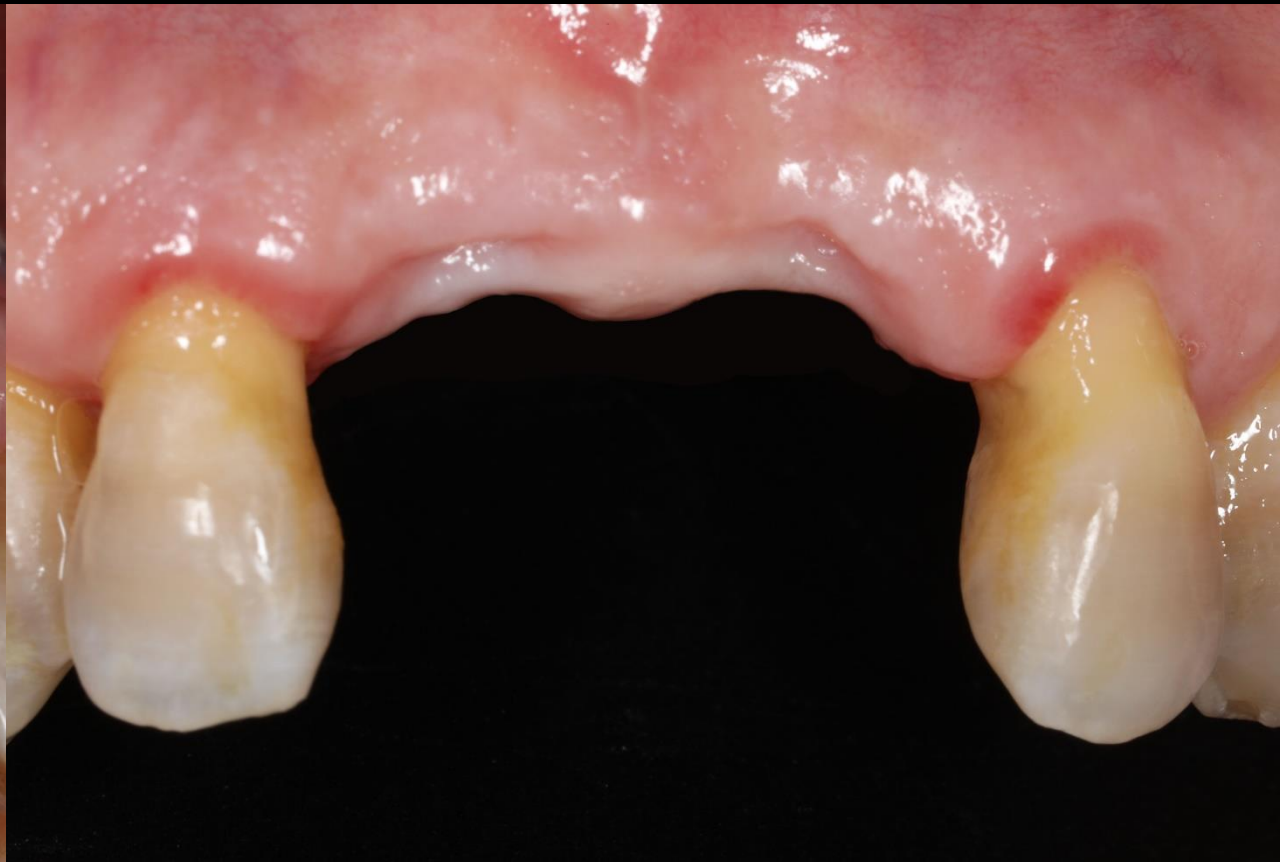


Dis: 4.71 mm

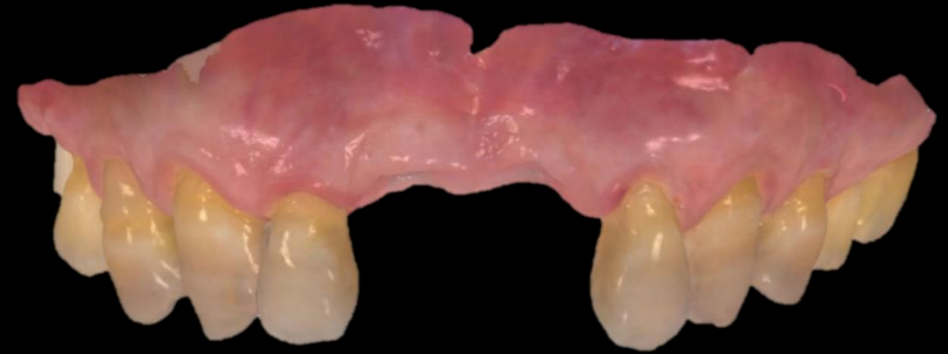


Dentium
For Dentists By Dentists

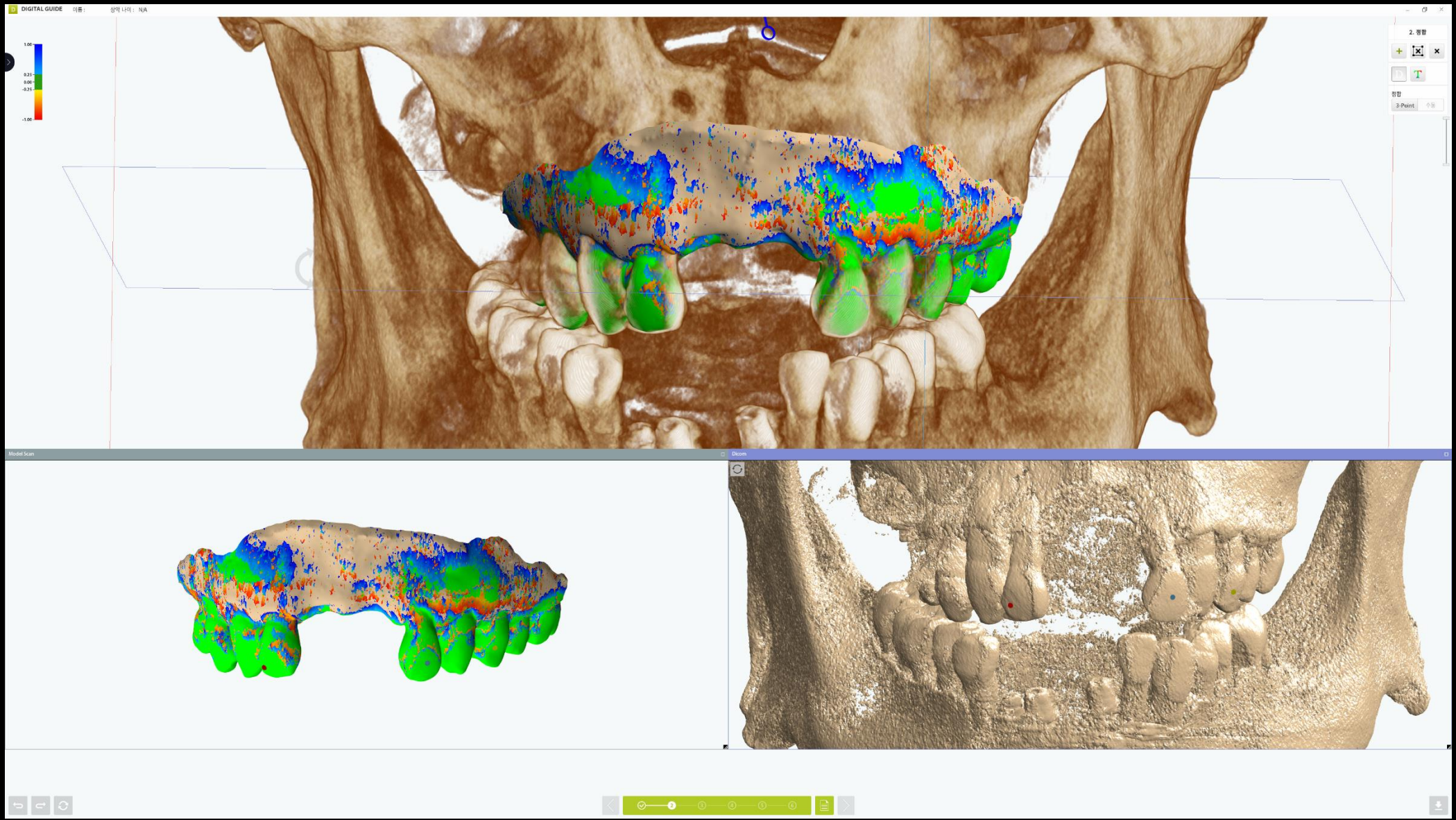
Pre-op Photo (2020-07-28)



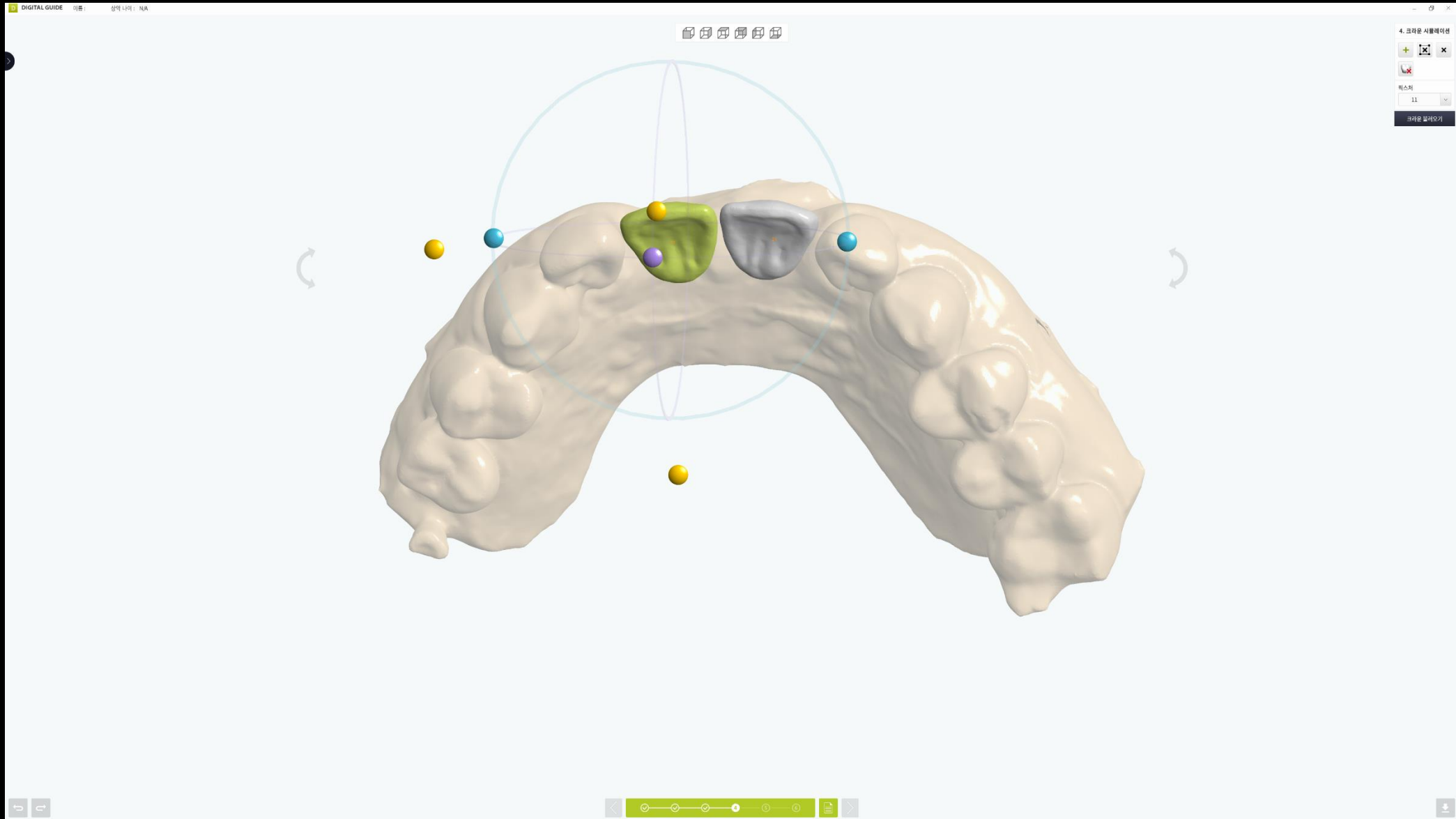
Intra Oral Scanning



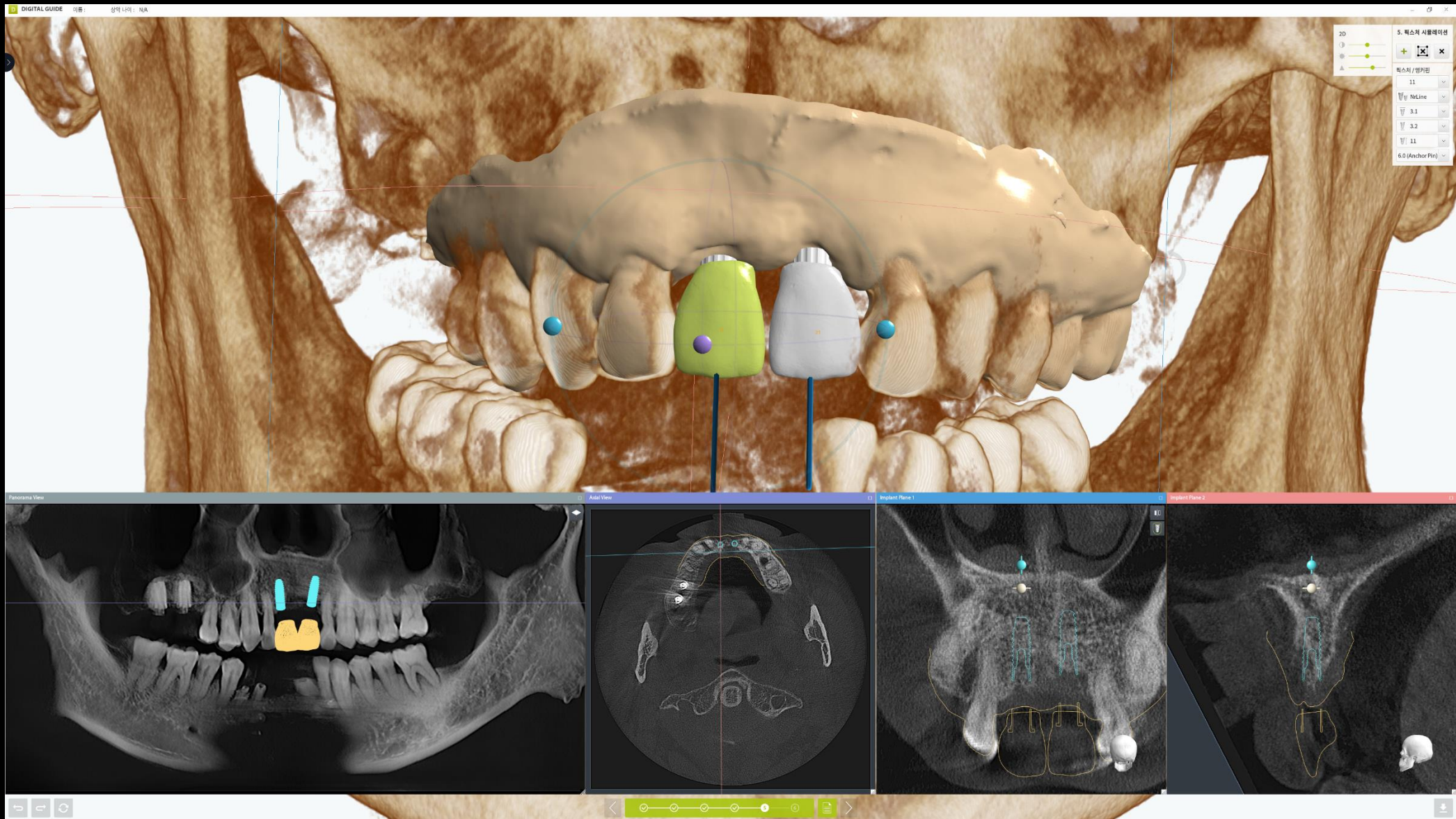
Digital Guide S/W (3 Point Merging)



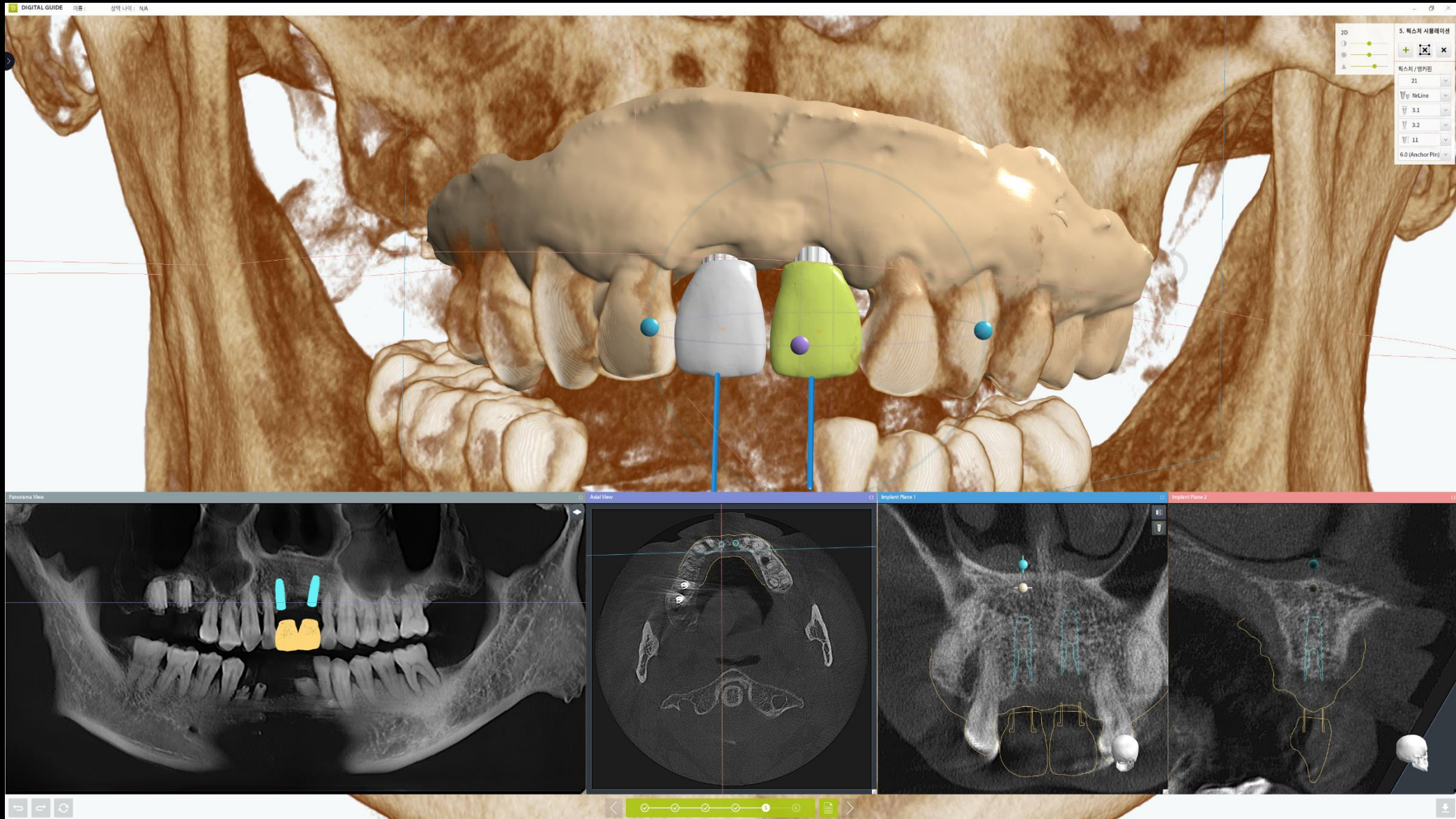
Digital Guide S/W (Crown Design)



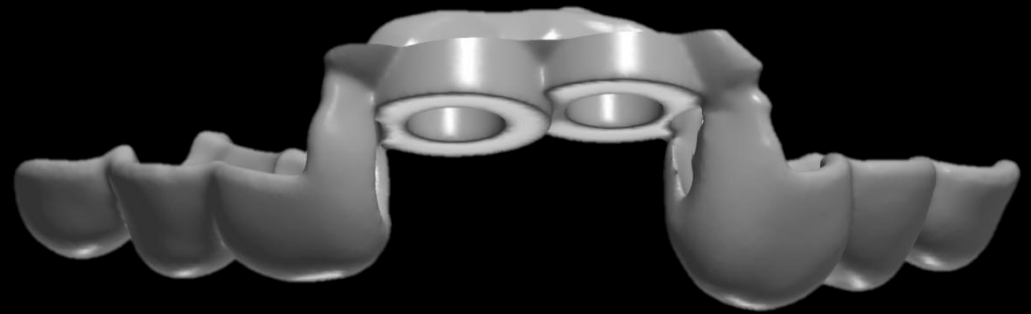
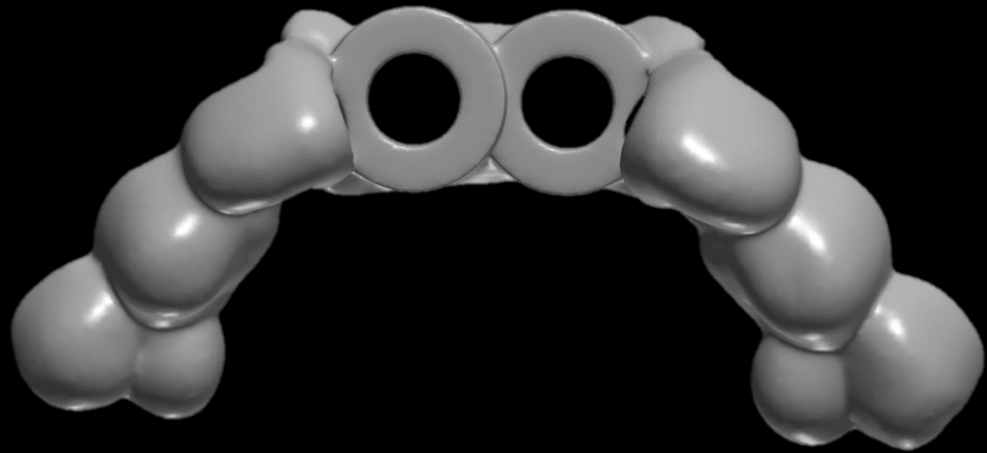
Digital Guide S/W (#11 Implant Planning)



Digital Guide S/W (#21 Implant Planning)



Stent Design

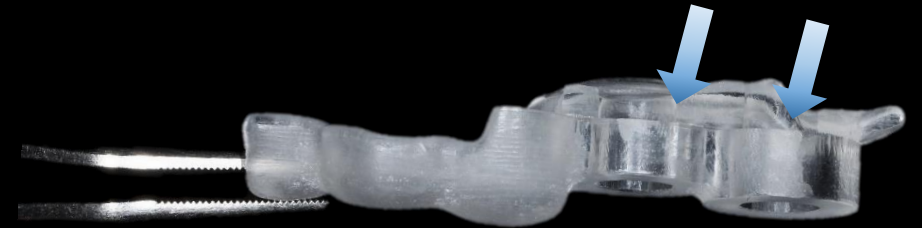


Milling Stent



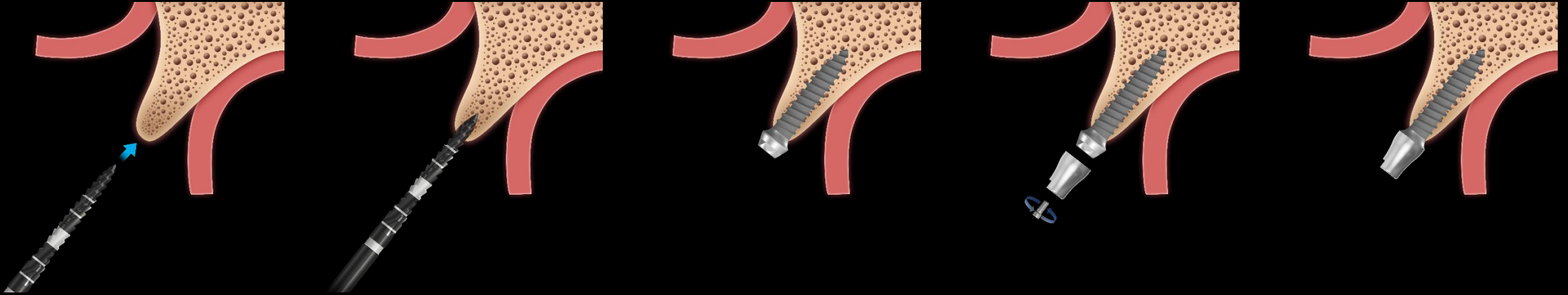
Advantages of Milling Stent

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



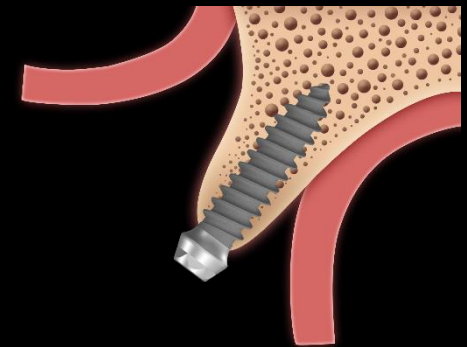
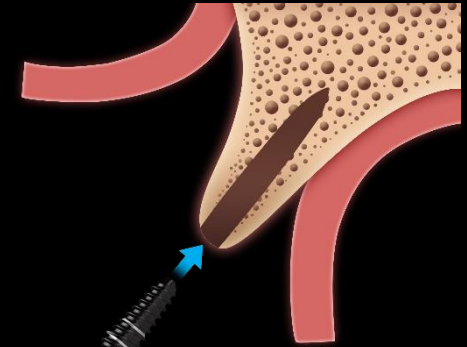
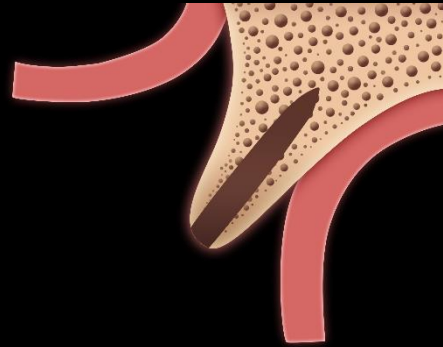
How to use

- Simple drilling sequence



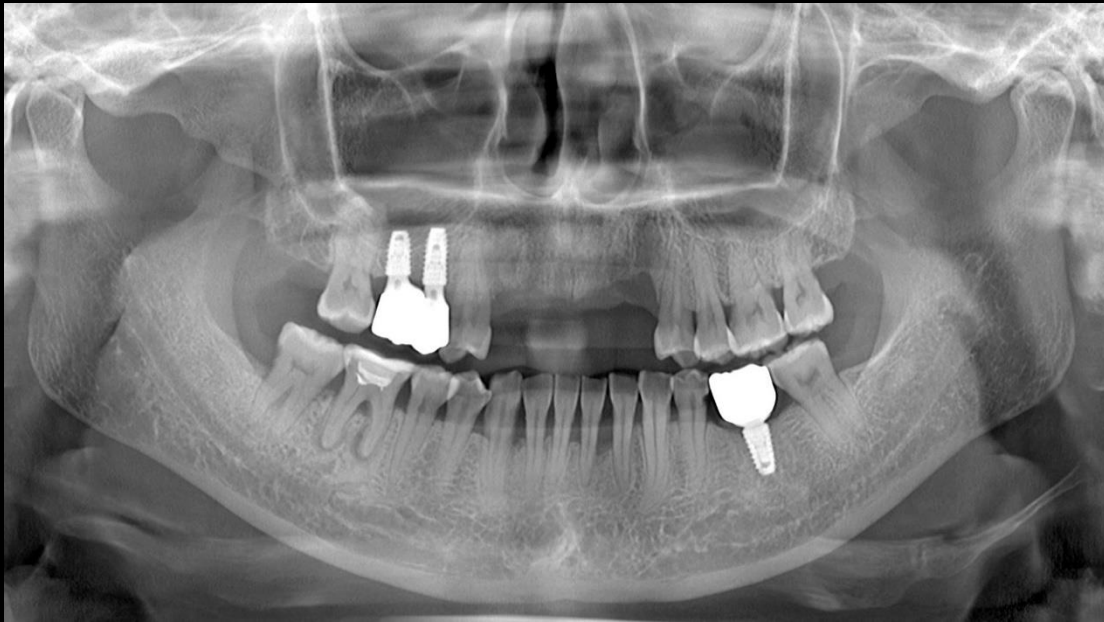
How to use

- Expansion with Ridge Spreader drill

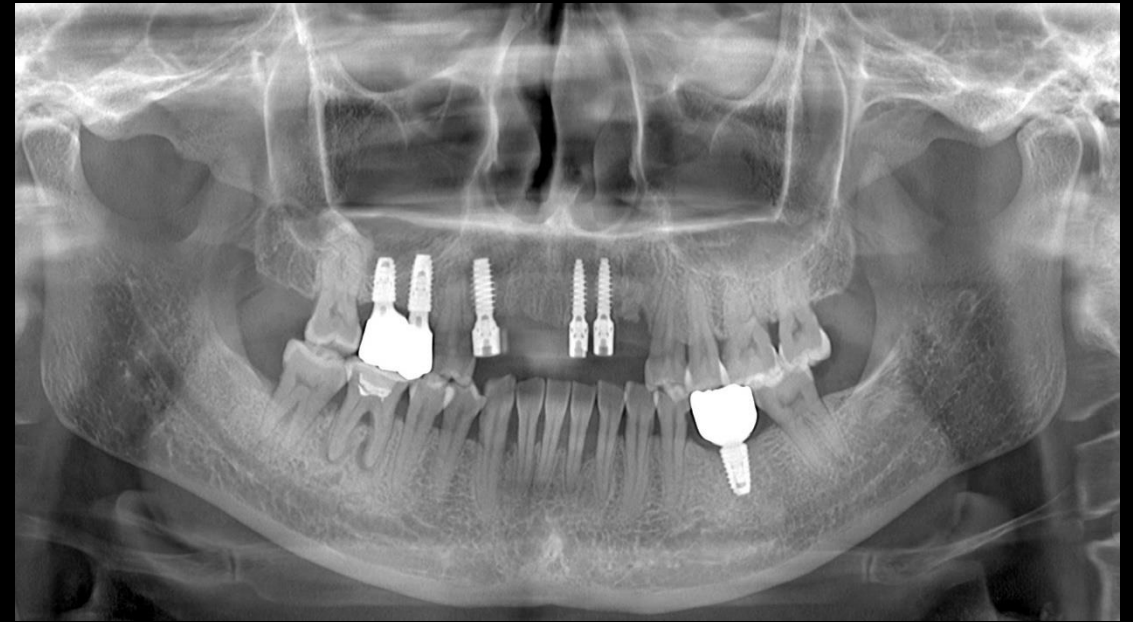


Similar case presentation

- Tissue level implant installation on Anterior area



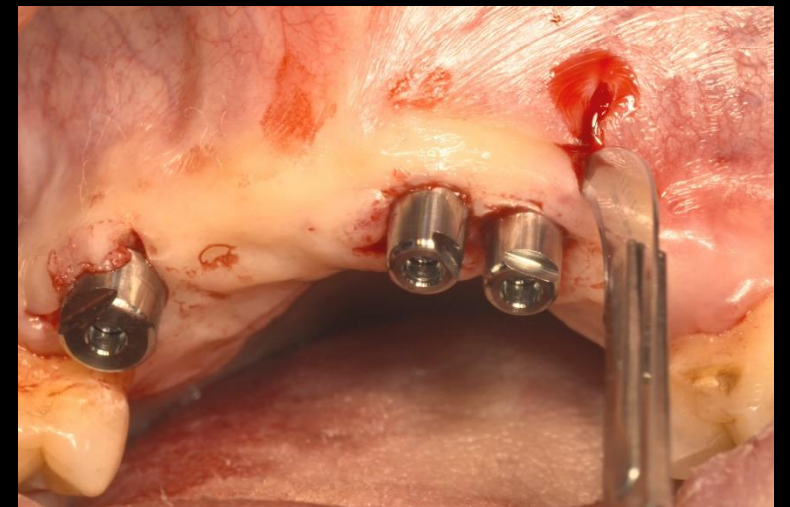
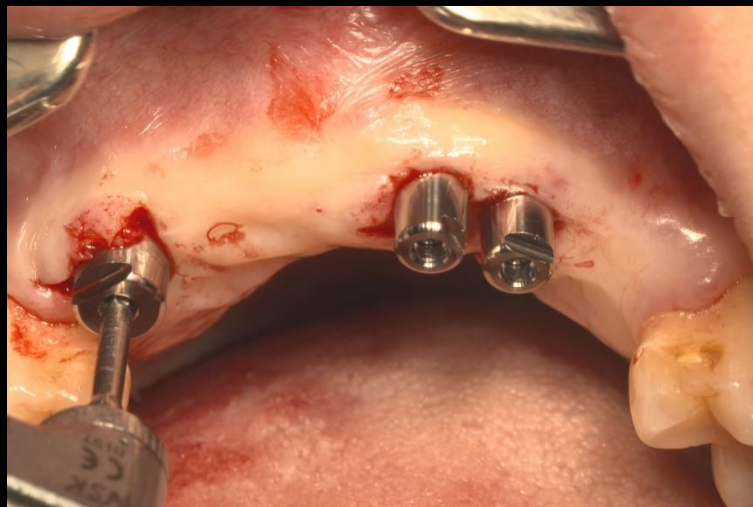
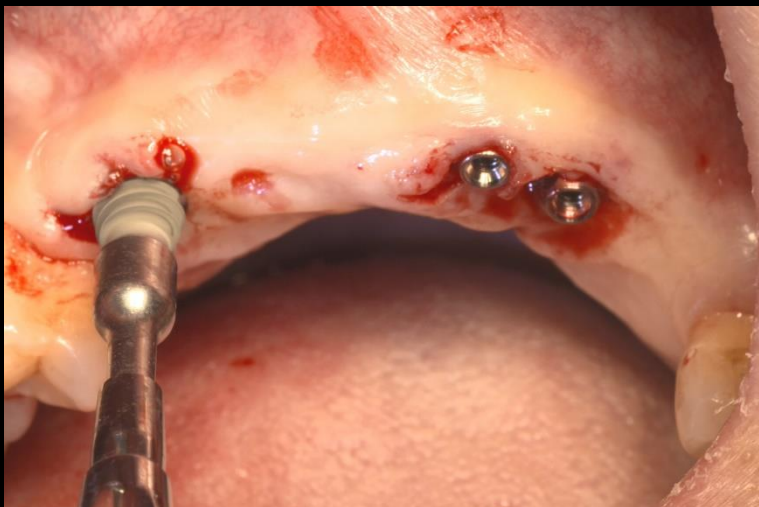
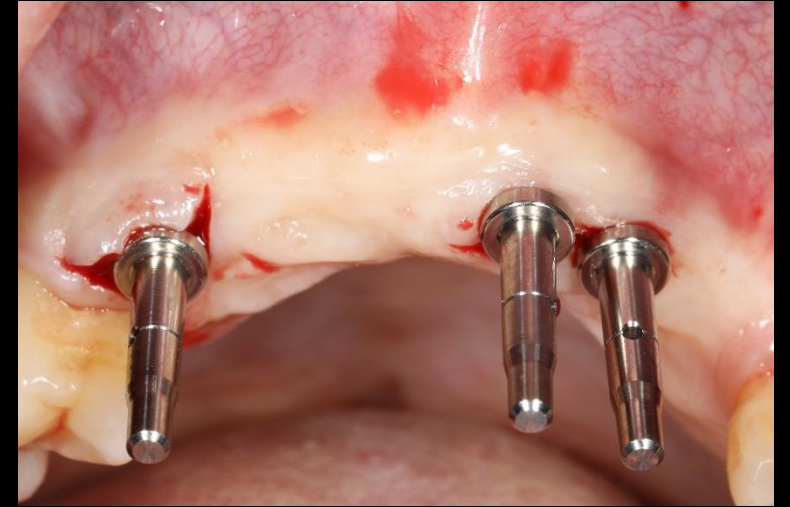
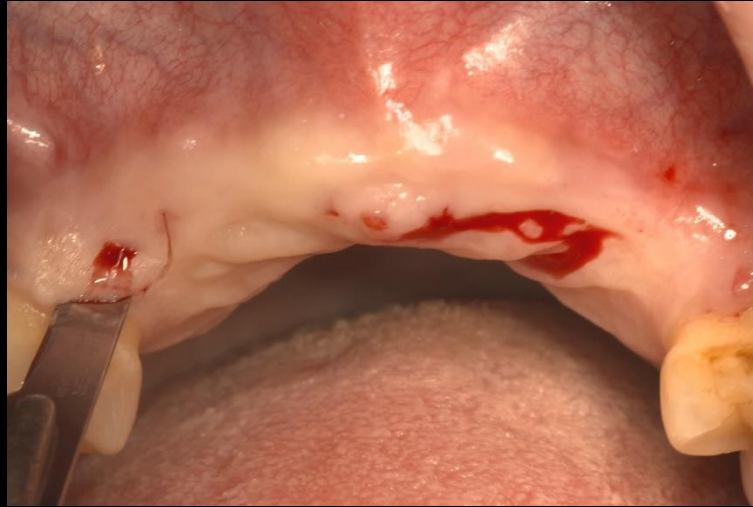
Pre-op



Post-op

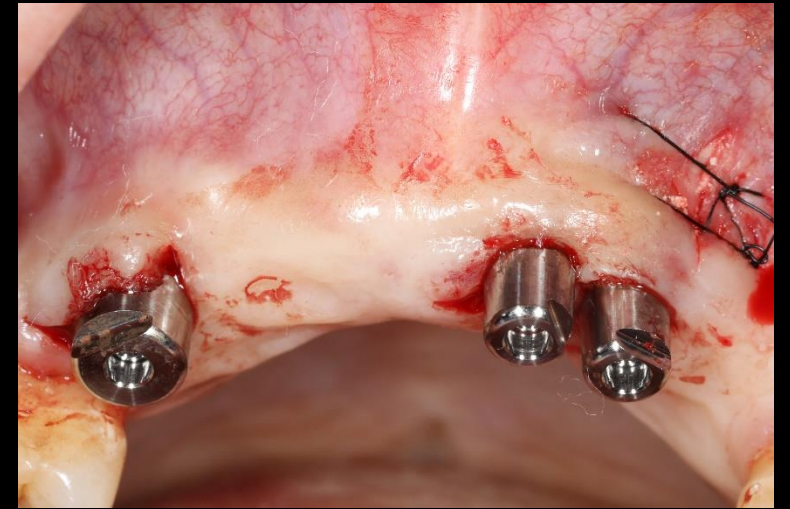
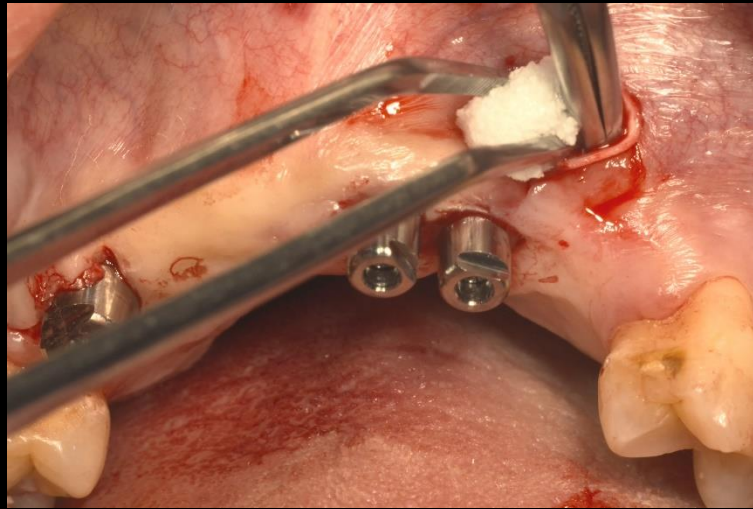
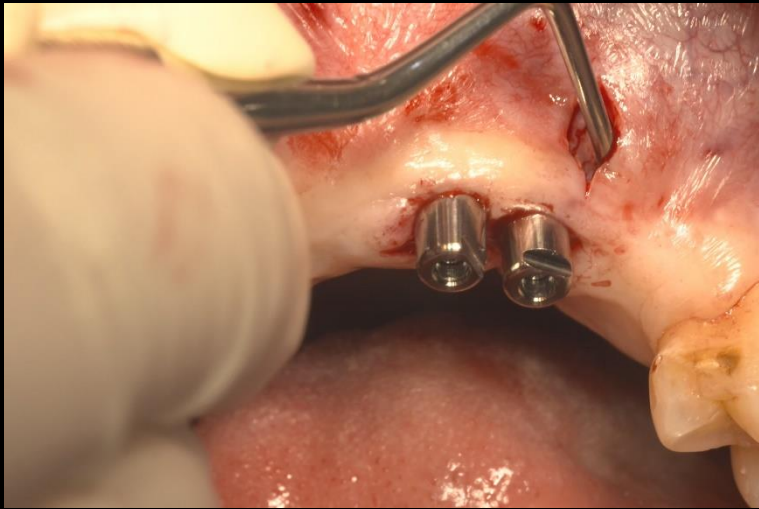
Similar case presentation

- Tissue level implant installation on Anterior area



Similar case presentation

- Tissue level implant installation on Anterior area



Similar case presentation

- Tissue level implant installation on Anterior area



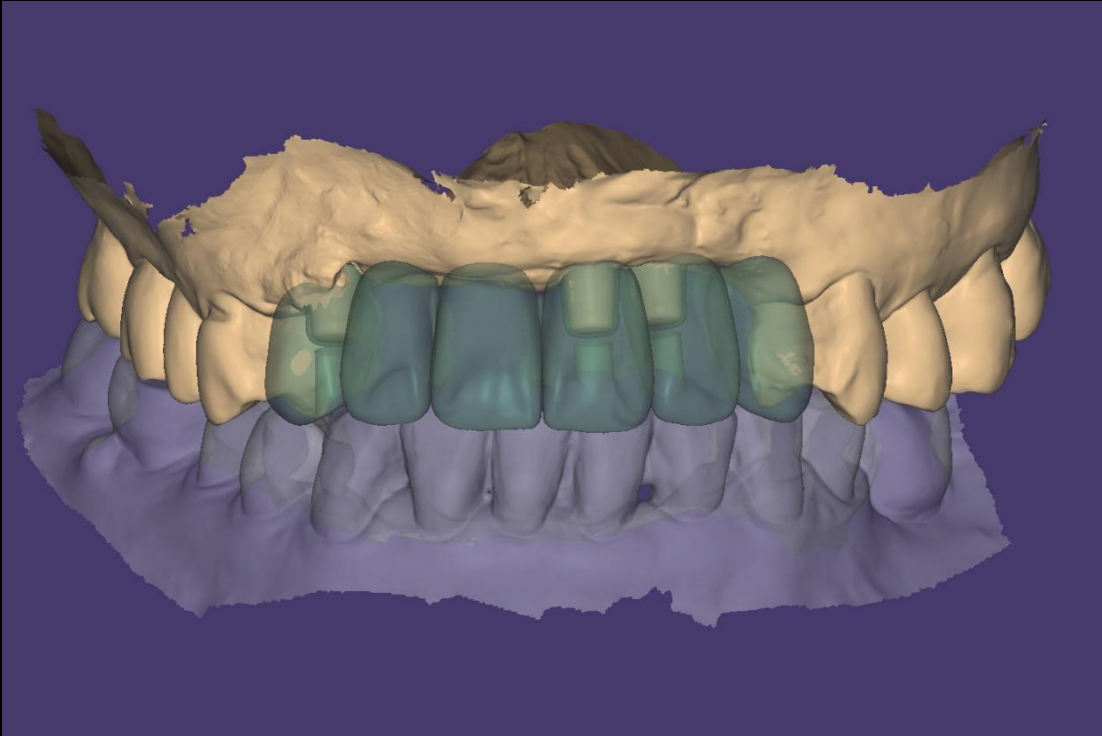
Healing : 1 week
(2020-05-13)



Intra oral scanning

Similar case presentation

- Tissue level implant installation on Anterior area



CAD (Provisional restoration)



Provisional restoration

Similar case presentation

- Tissue level implant installation on Anterior area



Provisional restoration
(2020-05-13)



Provisional restoration : 1 month
(2020-06-17)



[Case 2 Preview]

Sinus elevation and Implant placement (Posterior area)

Patient Information

Age : 70y

Sex : Male

Chief Complaint

: "I want an implant surgery consultation"

Past Medical History

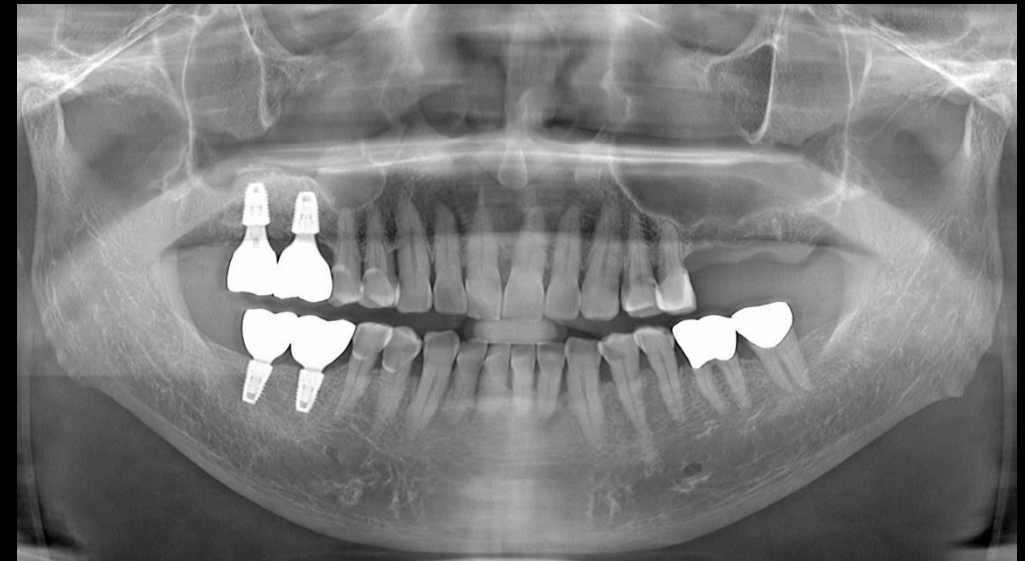
: N/S

Past Dental History

: #16,17 Surgery (2015.10.23)

Extraction #26 (2020.01.29)

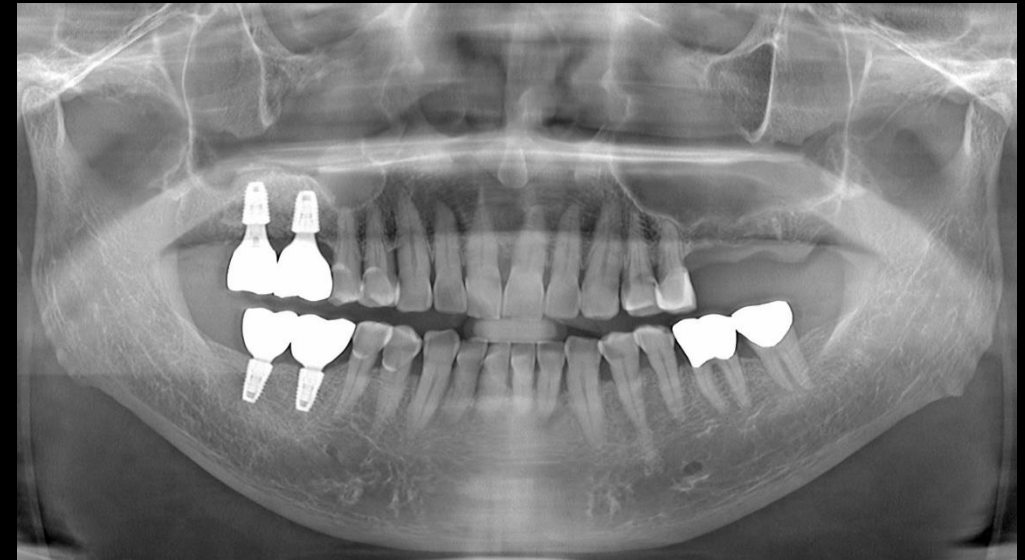
Extraction #27 (2020.05.13)



Patient Information

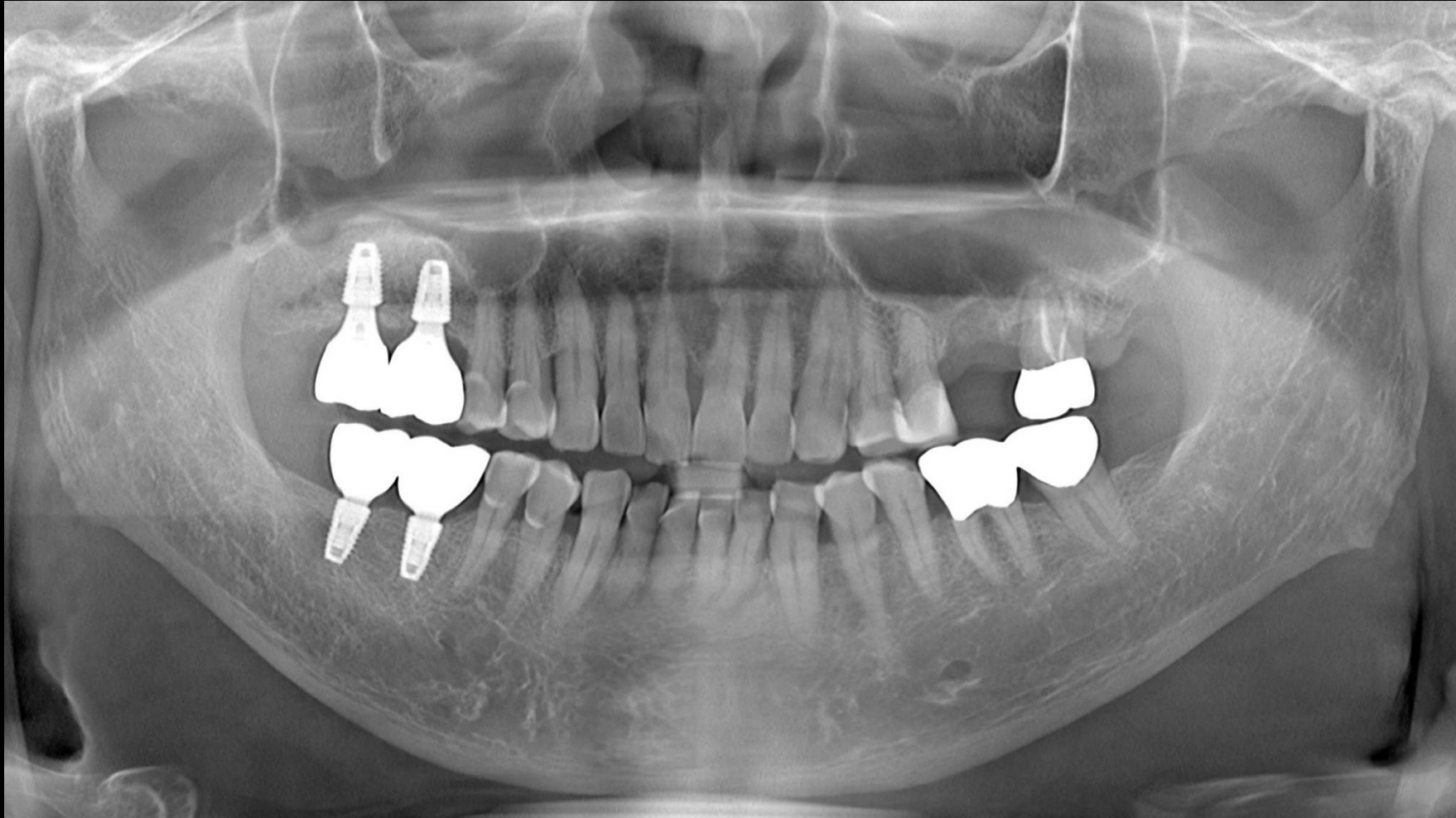
Surgery Plan

- Sinus elevation with Lateral approach
- #26,27 Implant placement using Digital Guide



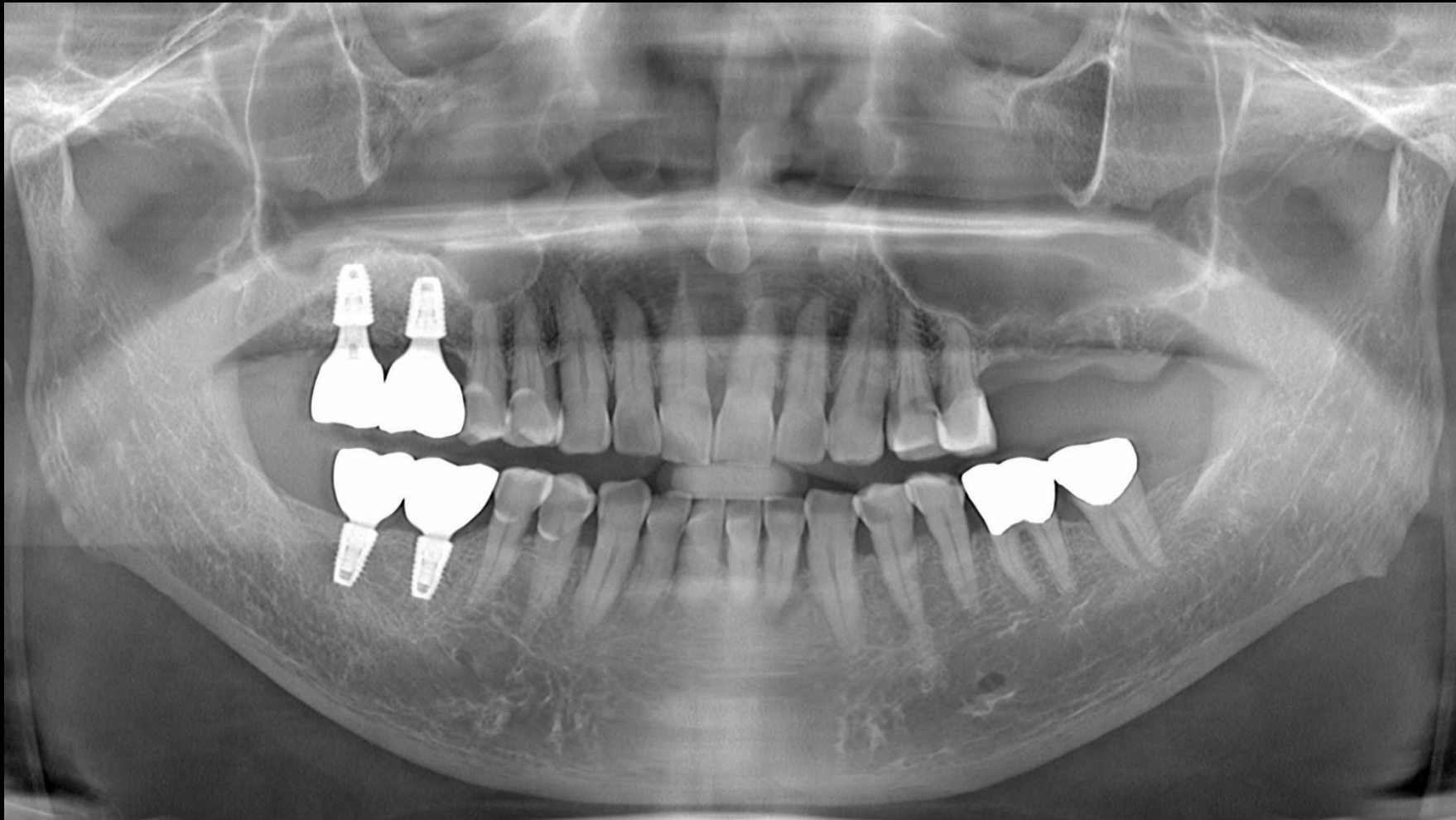
Pt. Lee (70y/M)

Oral exam (2020-04-29)



Pt. Lee (70y/M)

Pre-op (2020-07-30)



rainbow 3D Viewer MPR **CROSS** VIRTUAL CEPH TMJ REPORT

Patient Information

View Control

Open

Project

Save

Settings

Measurement

Capture Group

Layout

Transfer function

Reset

Model Builder

Curve Info

W 80mm

I 1.0mm

T 1.0mm

Nerve Info

T 1.0mm

2D

HU

0.5

0

50

None

Annotations: →, ○, T, ⬠

Measurement: 2D, ∠, HU, 📈

Capture Group: 📷, 📷, 📷, 📷

Layout: 🗄, 🗄

Transfer function: Transfer function, Reset

Reset: Viewport ↻, Annotation ↻

Model Builder: 🏗

Dentium
For Dentists By Dentists

A

R

P

Pt. Lee (70y/M)

#26 (3.40mm)

rainbow 3D Viewer MPR **CROSS** VIRTUAL CEPH TMJ REPORT

Patient Information
View Control
Open
Project
Save
Settings
Measurement
Capture Group
Layout
Transfer function
Reset
Model Builder

Dis: 3.40 mm

Dentium
For Dentists By Dentists

rainbow 3D Viewer

MPR CROSS VIRTUAL CEPH TMJ REPORT

Patient Information

View Control

Open

Project

Save

Settings

Measurement

Capture Group

Layout

Transfer function

Reset

Model Builder

Dentium
For Dentists By Dentists

Curve Info

W 80mm

I 1.0mm

T 1.0mm

Nerve Info

T 1.0mm

Pt. Lee (70y/M)

#27 (5.64mm)

rainbow 3D Viewer MPR **CROSS** VIRTUAL CEPH TMJ REPORT

Patient Information
View Control
Open
Project
Save
Settings
Measurement
Capture Group
Layout
Transfer function
Reset
Model Builder



Dis : 5.64 mm



Dentium
For Dentists By Dentists

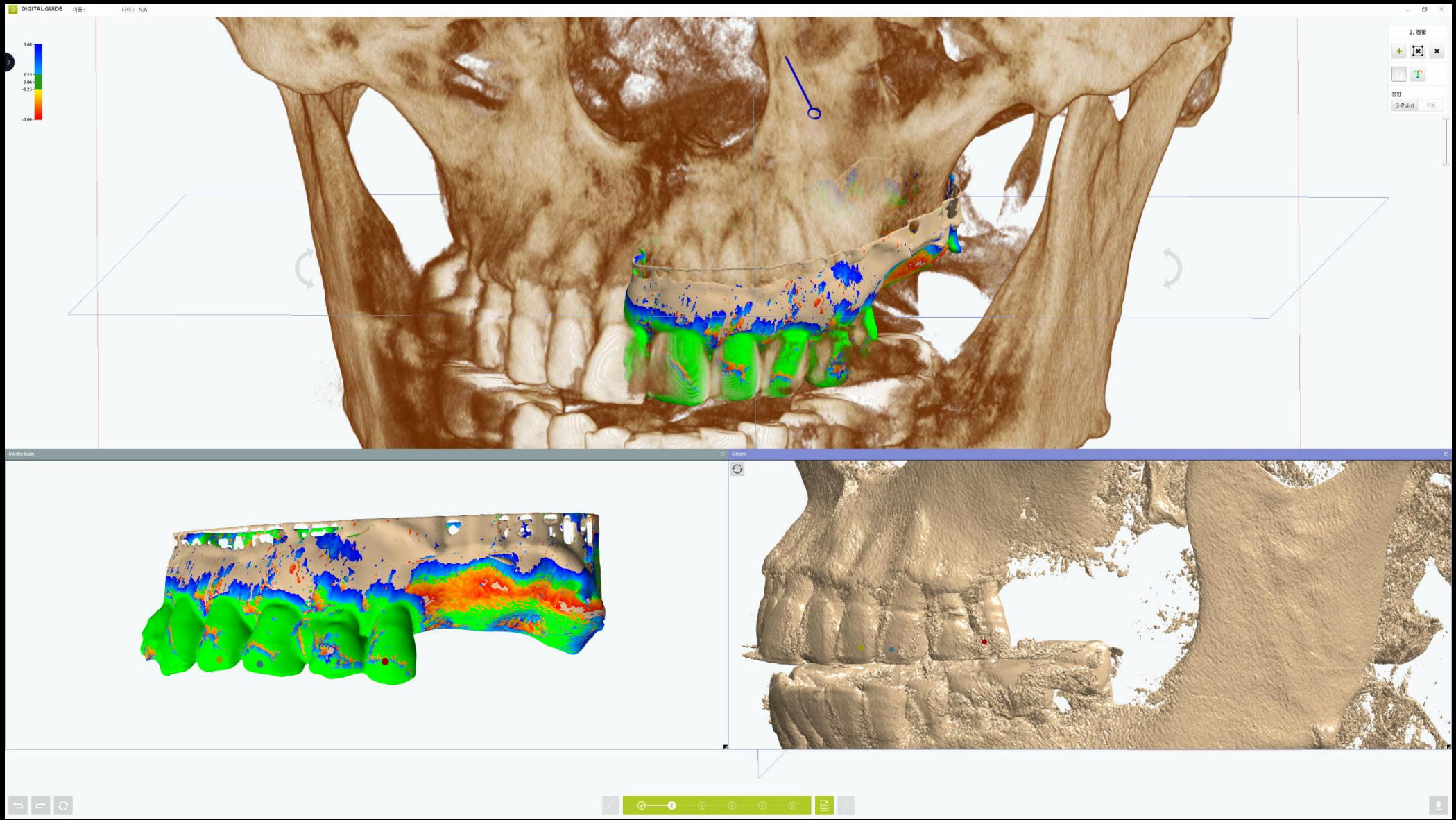
Pre-op Photo (2020-07-30)



Intra Oral Scanning



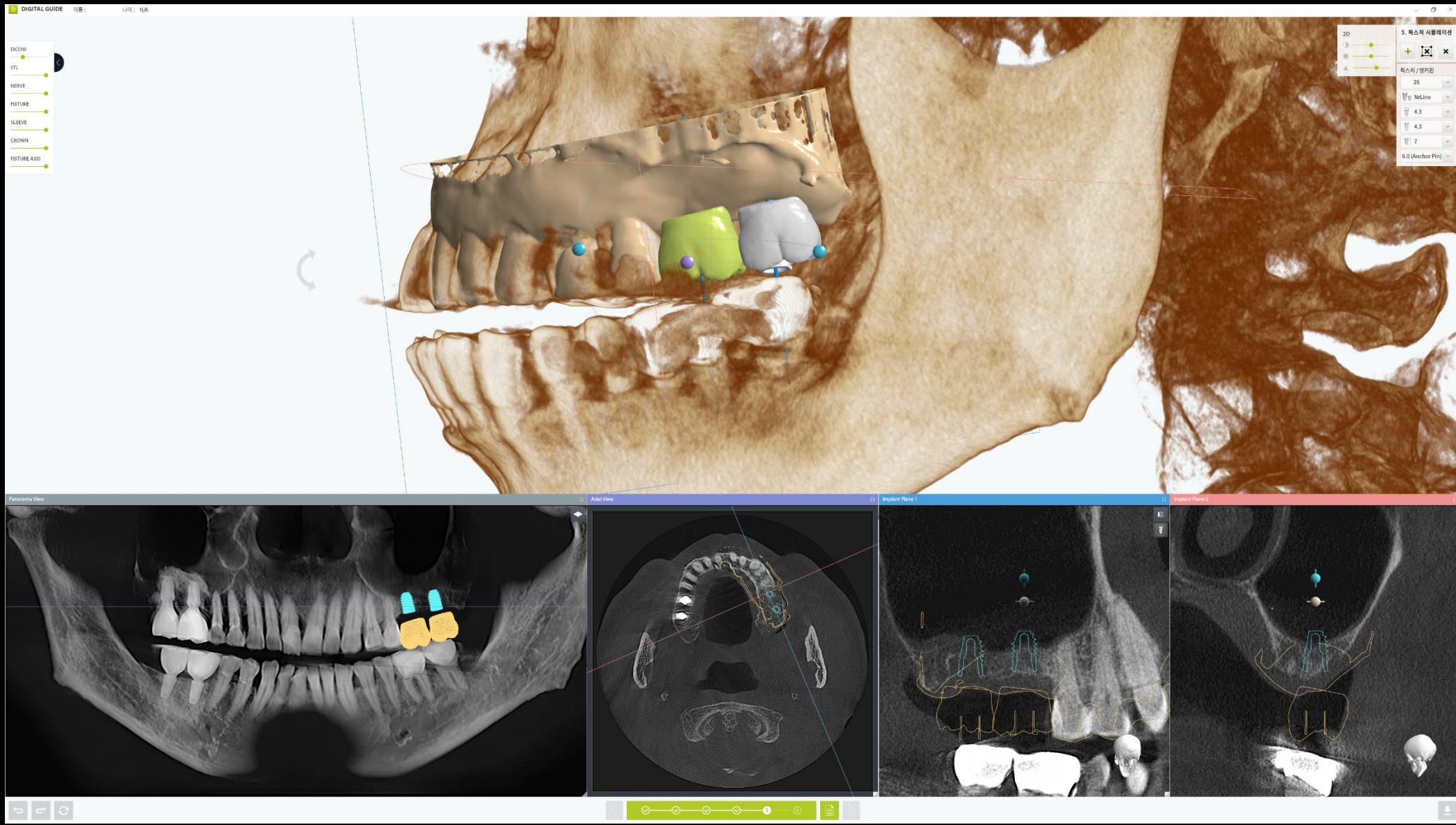
Digital Guide S/W (3 Point Merging)



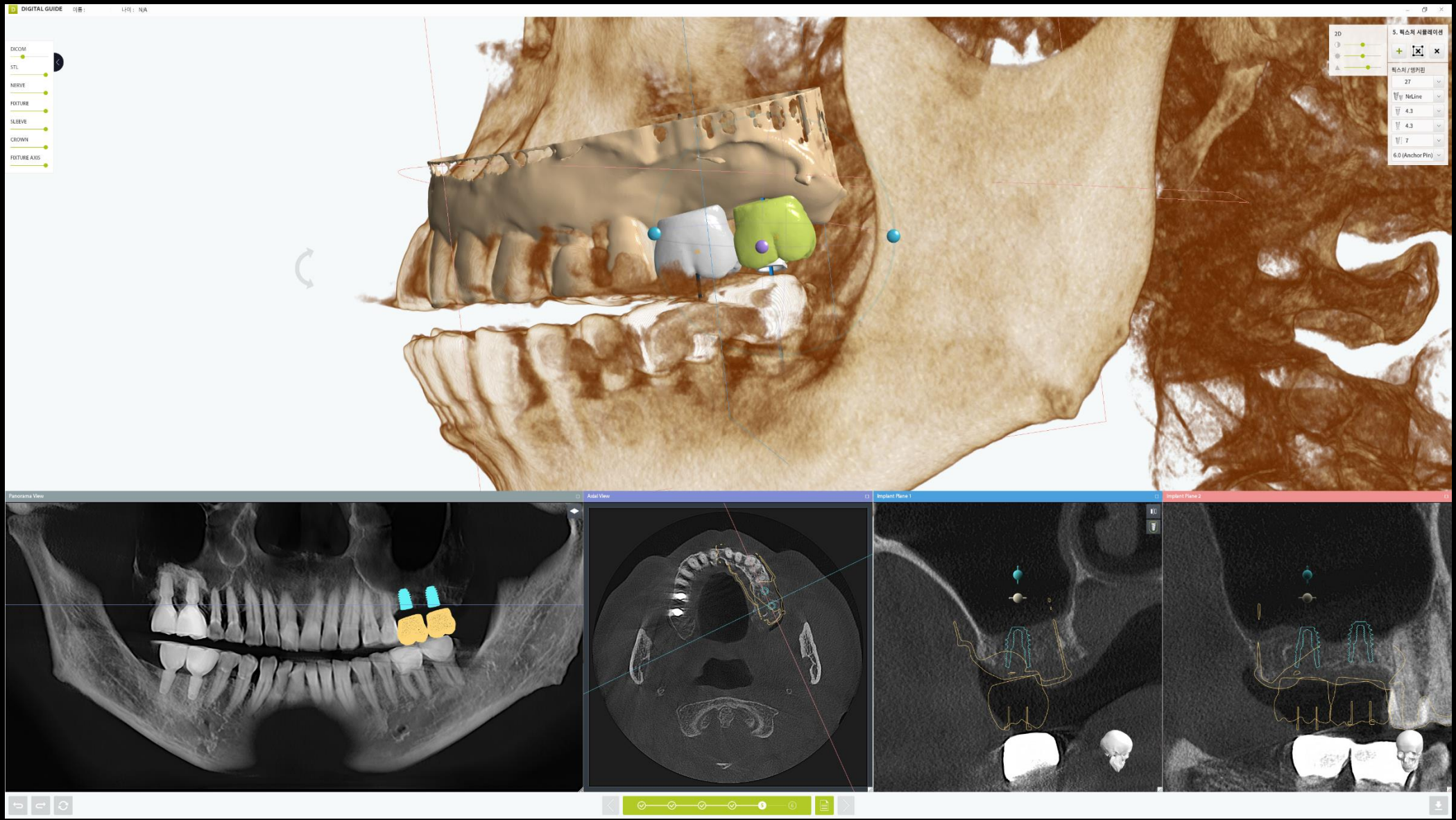
Digital Guide S/W (Crown Design)



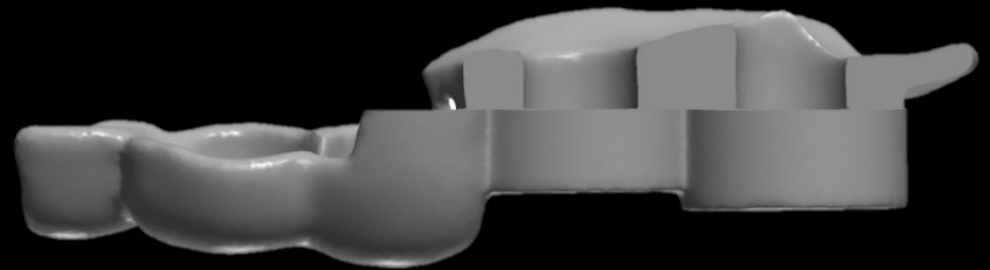
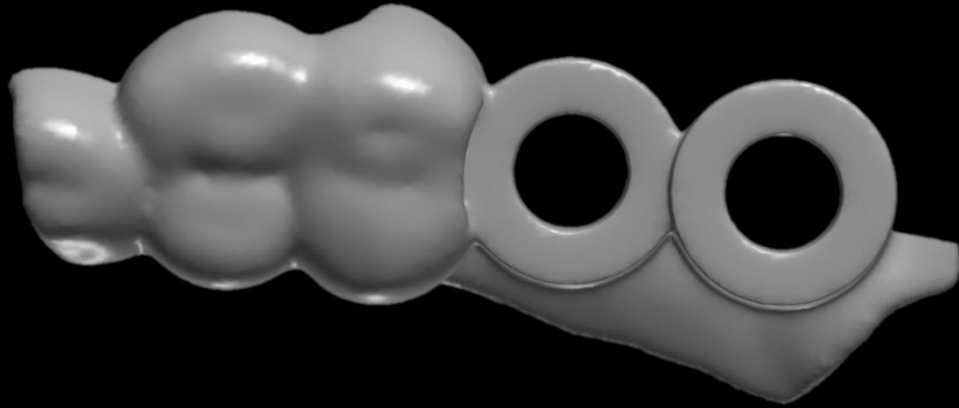
Digital Guide S/W (#26 Implant Planning)



Digital Guide S/W (#27 Implant Planning)



Stent Design

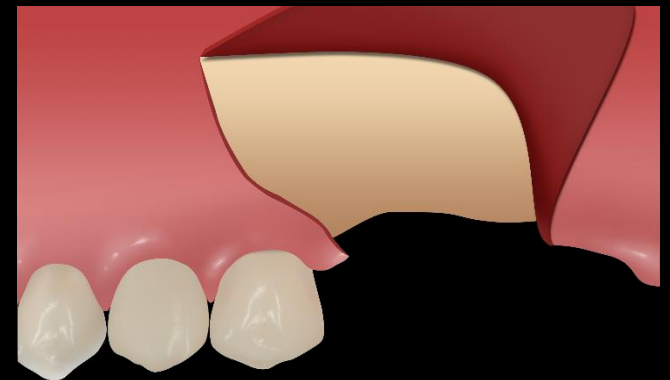
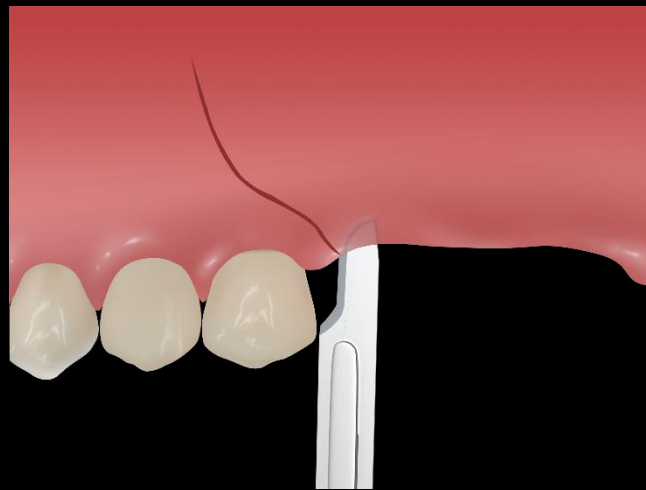
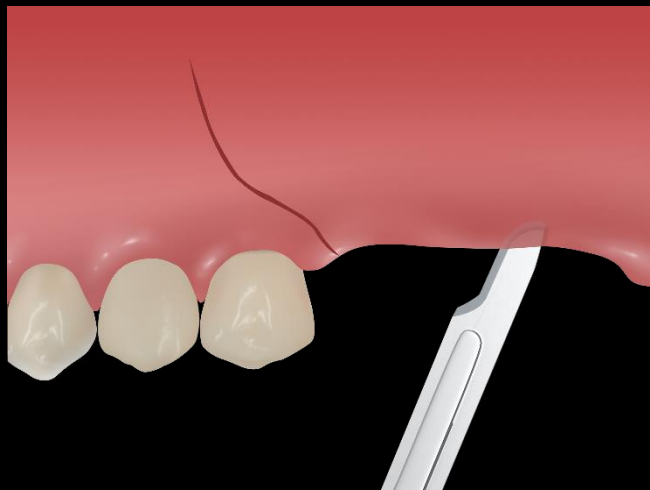
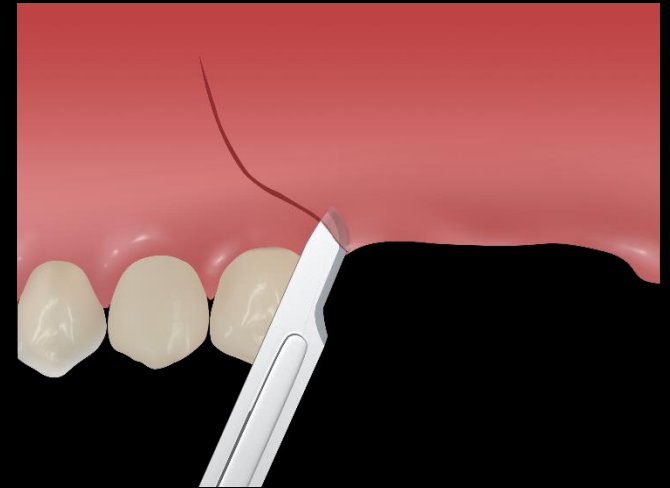


Milling Stent



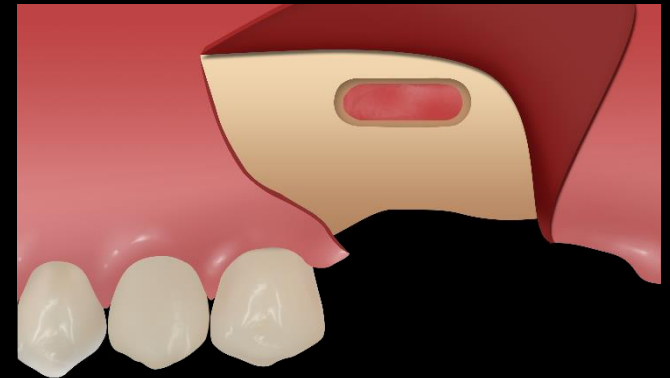
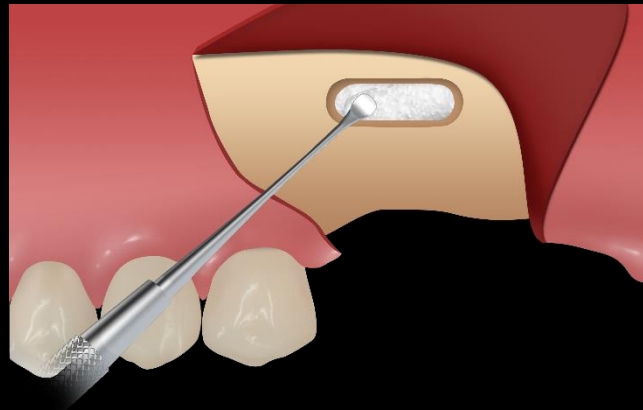
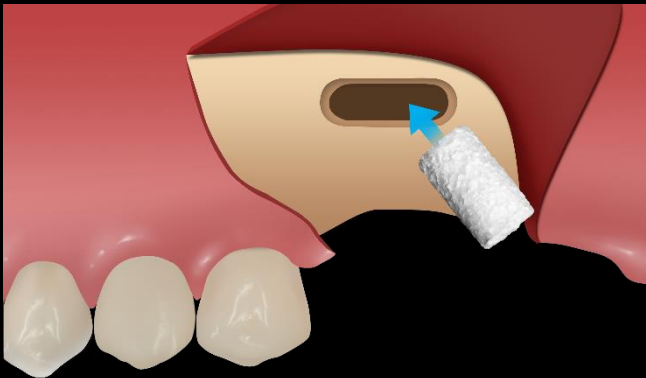
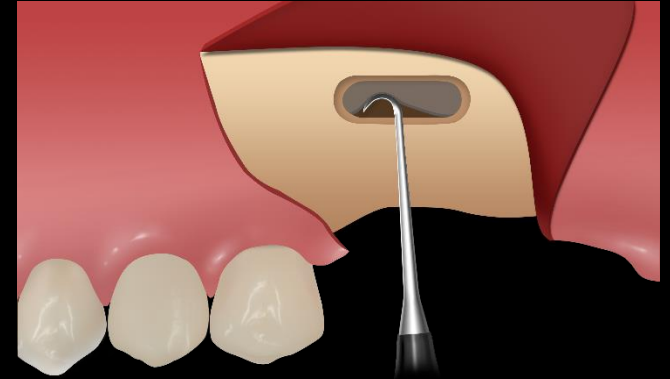
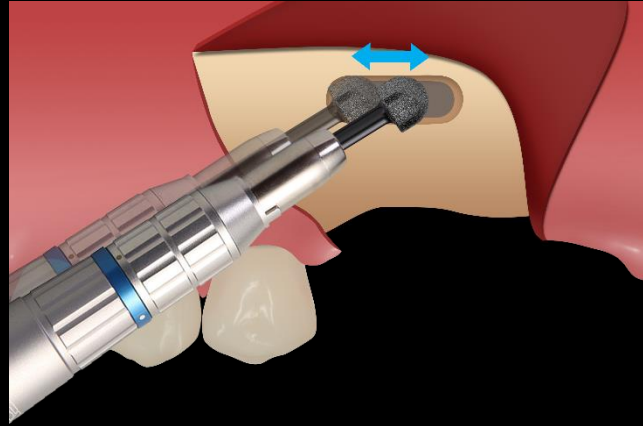
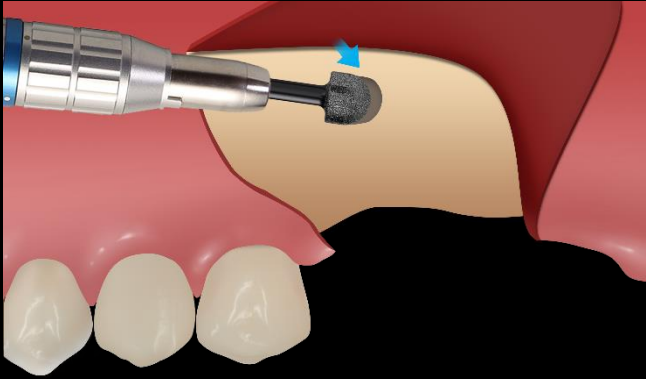
How to use

- Sinus elevation : Sinus Kit & OSTEON™ 3 Collagen



How to use

- Sinus elevation : Sinus Kit & OSTEON™ 3 Collagen

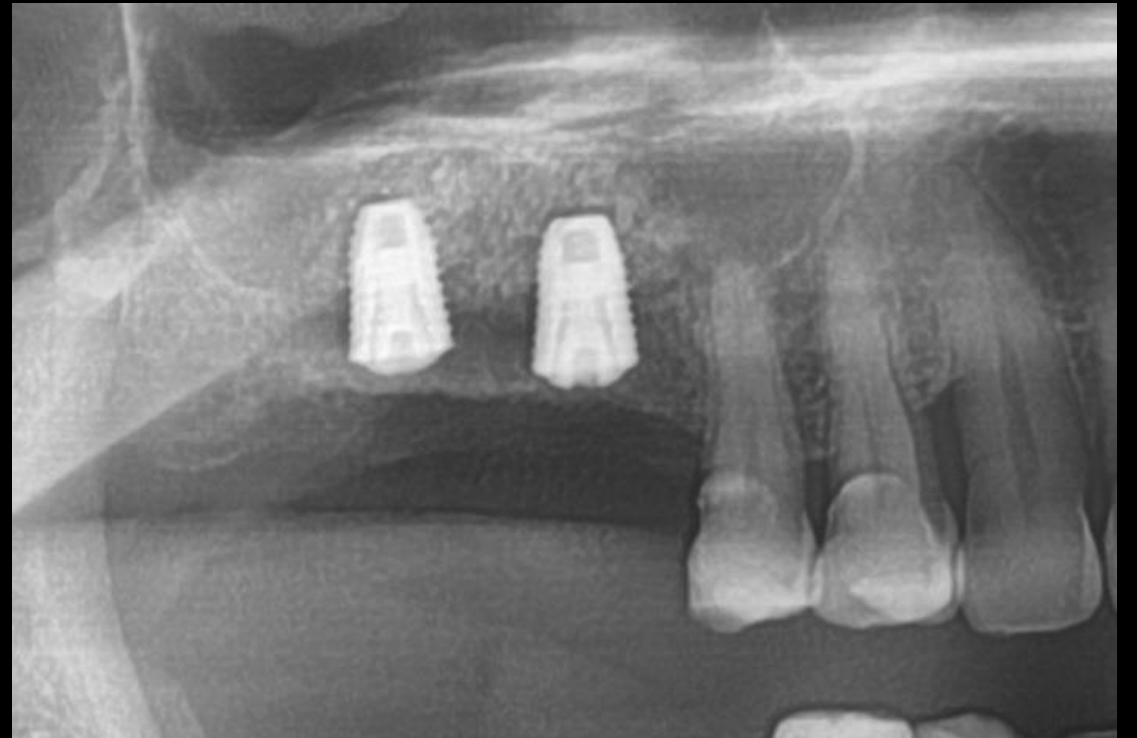


Past dental history

- #16,17 Surgery (Sinus elevation with Lateral approach)



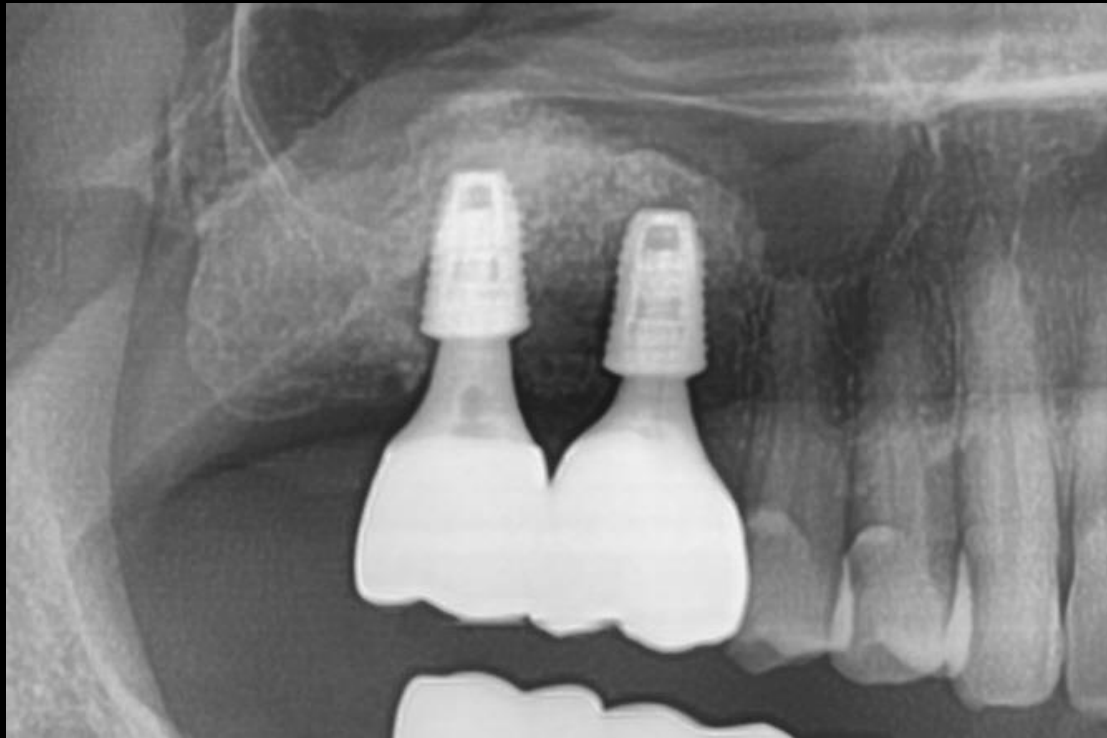
Pre-op



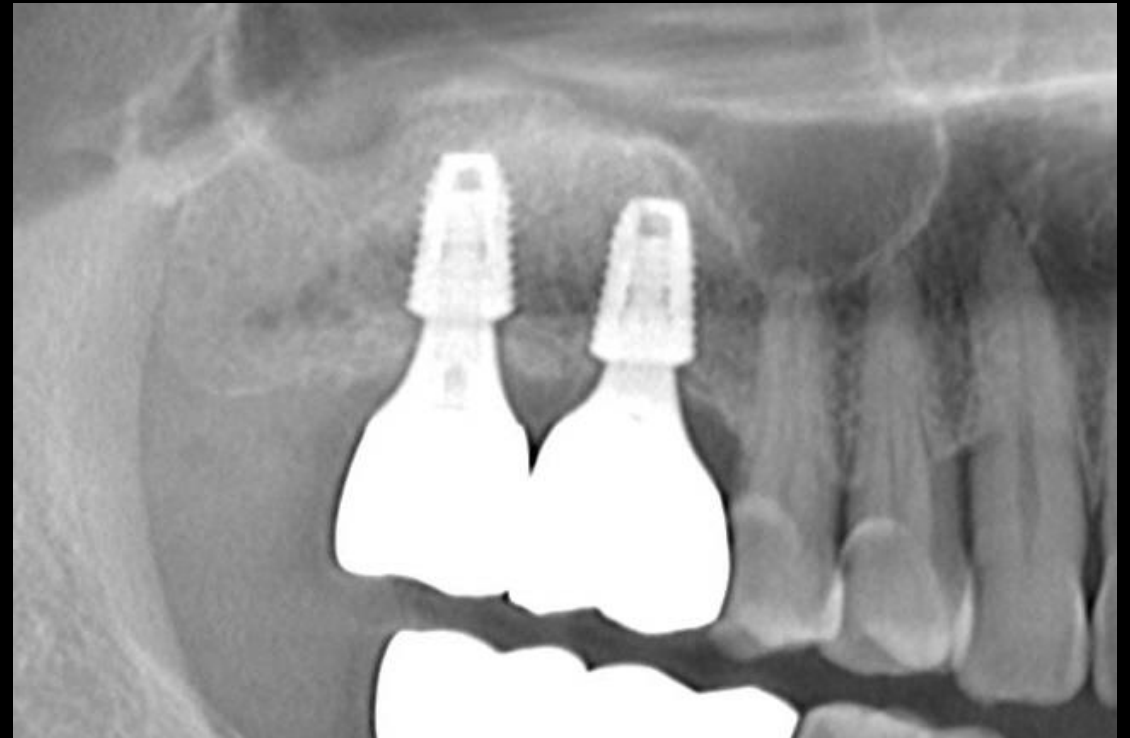
Post-op

Past dental history

- #16,17 Surgery (Sinus elevation with Lateral approach)



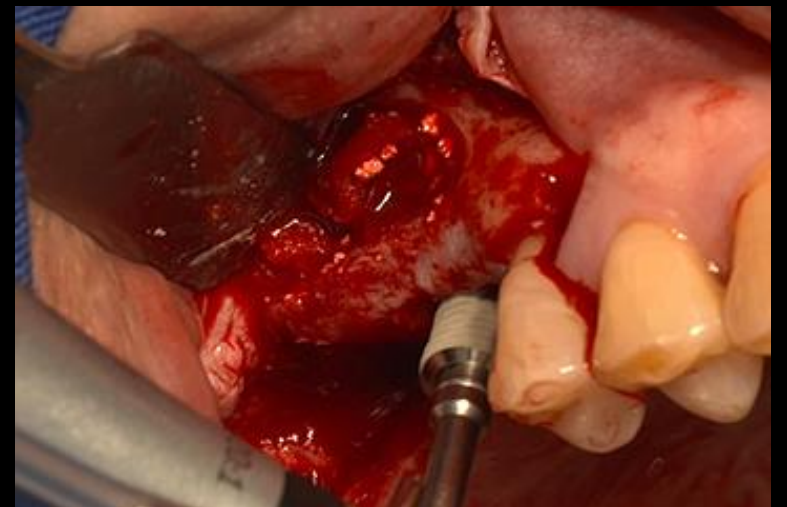
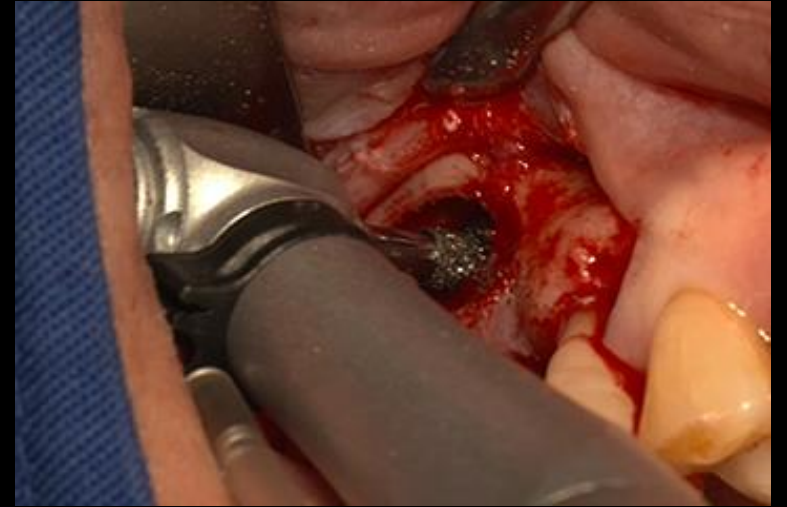
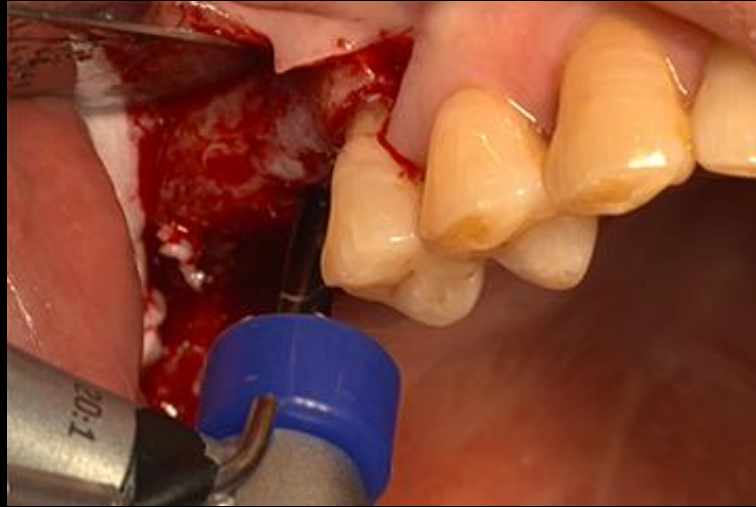
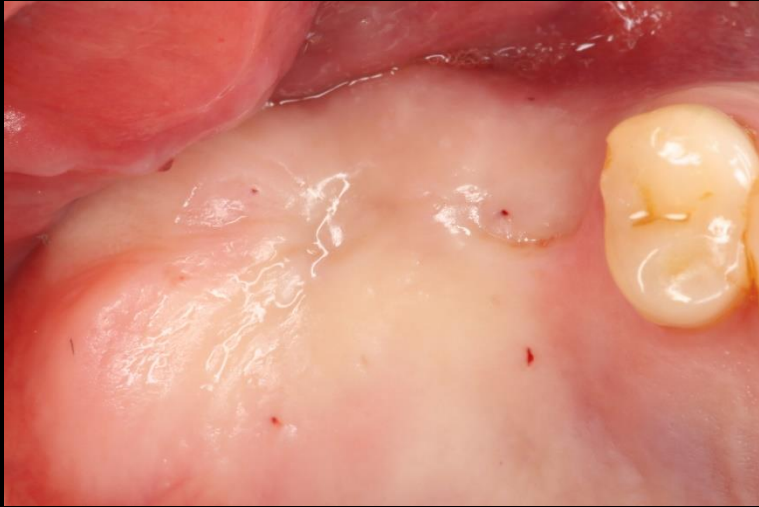
Final prosthesis



Follow up : 3 years 9 months

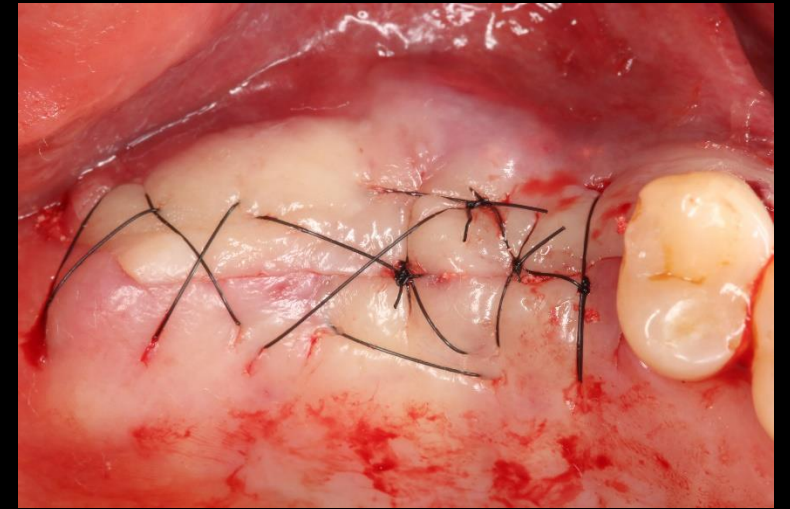
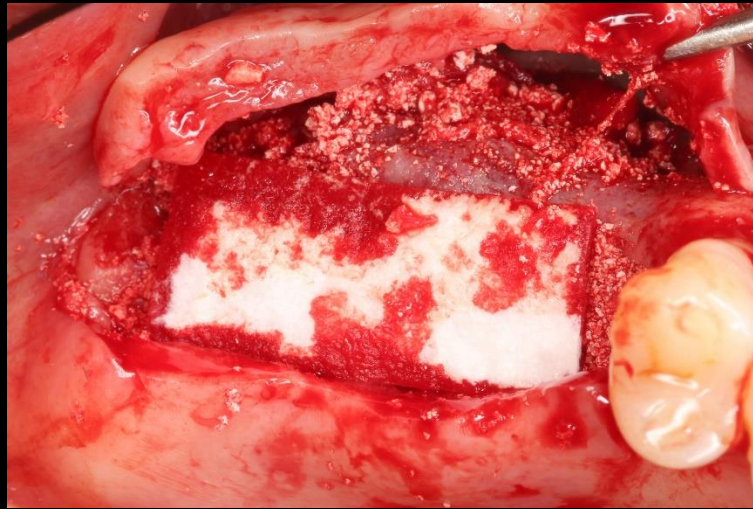
Past dental history

- #16,17 Surgery (Sinus elevation with Lateral approach)



Past dental history

- #16,17 Surgery (Sinus elevation with Lateral approach)

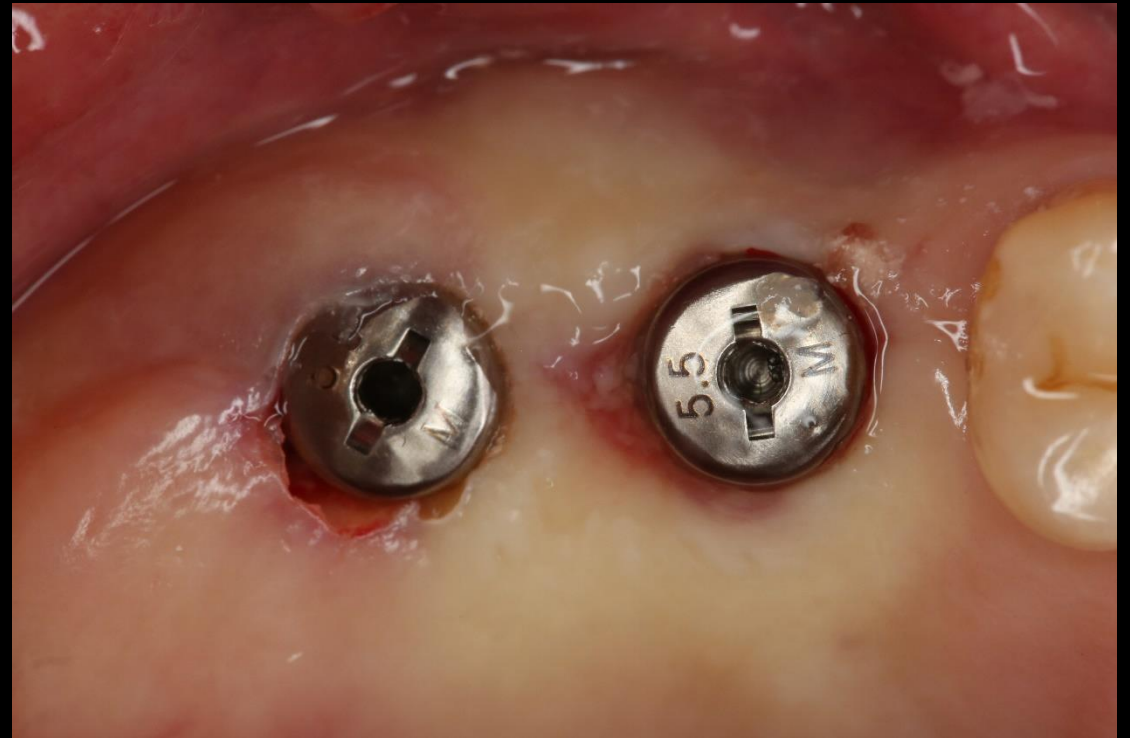


Past dental history

- #16,17 Surgery (Sinus elevation with Lateral approach)



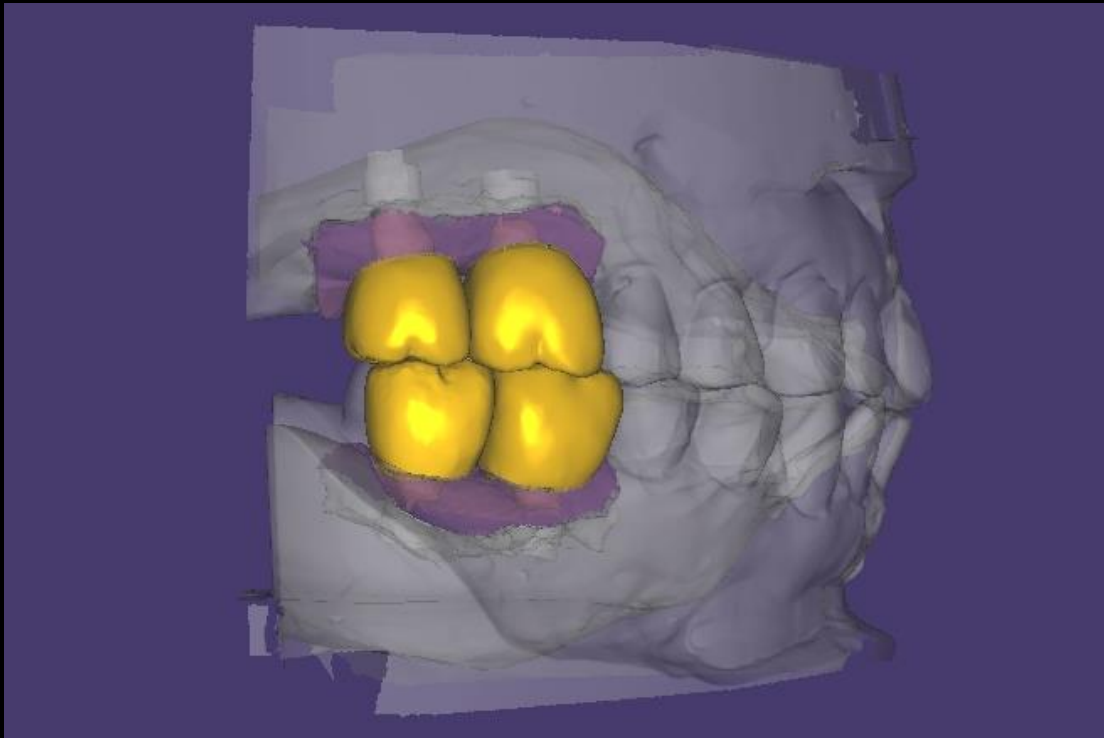
Healing : 2 weeks
(2015-11-06)



Healing : 6 months / Second stage surgery
(2016-04-29)

Past dental history

- #16,17 Surgery (Sinus elevation with Lateral approach)



CAD

(Customized abutment / Provisional restoration)



Customized abutment
& Provisional restoration

Past dental history

- #16,17 Surgery (Sinus elevation with Lateral approach)



Provisional restoration
(2016-05-20)

Past dental history

- #16,17 Surgery (Sinus elevation with Lateral approach)



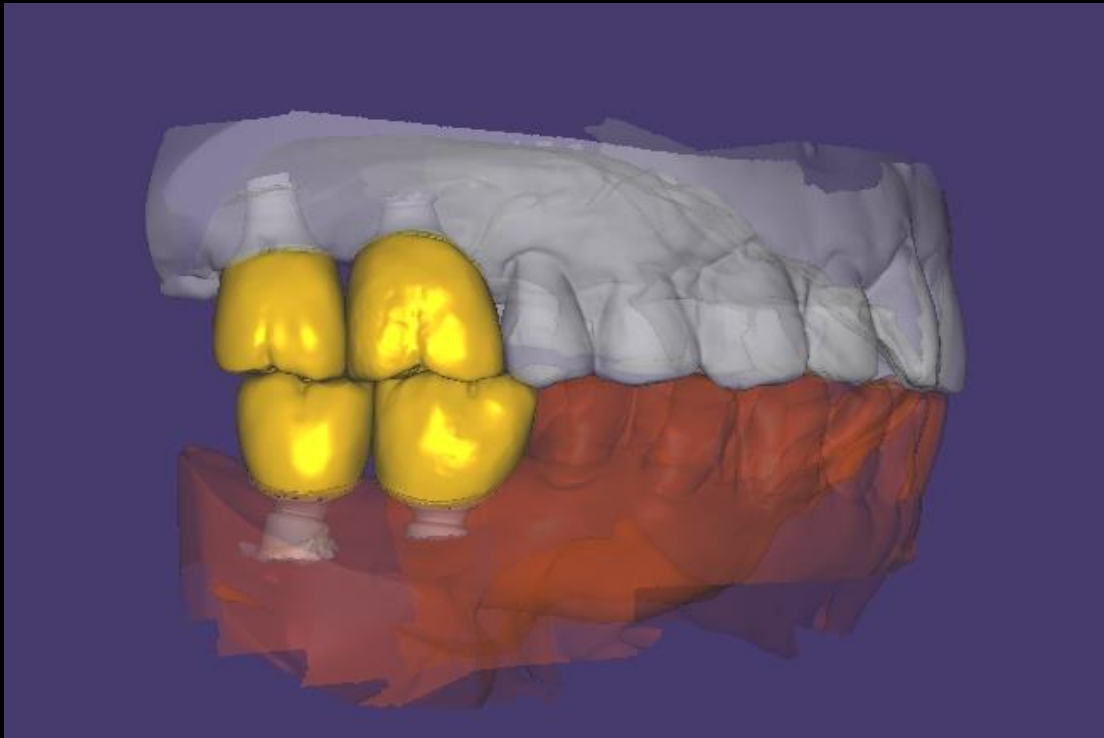
Impression
(2016-07-20)



Model

Past dental history

- #16,17 Surgery (Sinus elevation with Lateral approach)



CAD (Final prosthesis)



Sintering

Past dental history

- #16,17 Surgery (Sinus elevation with Lateral approach)



Final prosthesis
(2016-08-11)

Past dental history

- #16,17 Surgery (Sinus elevation with Lateral approach)



Follow up : 3 years 9 months
(2020-05-13)