

Live surgery

Dr. Root

2019.11.01 (Fri.)

[Case Preview]

Implantation & Contour augmentation (Low Anterior area)

Simple Sinus elevation (Upper Posterior area)

Patient Information

Age : 49y

Sex : Male

Chief Complaint

: "I want an implant surgery consultation"

Past Medical History

: Hypertension (Do not take aspirin)

Past Dental History

: Extraction #16,17 (5 years ago)
#43 (1 year ago)



Patient Information

Surgery Plan

- #31,32,42 Extraction & #32,43 Implantation (Using Digital Guide)
- Contour augmentation on Anterior area
- Sinus elevation using OSTEON™ 3 Collagen
- #16,17 Implantation using Digital Guide



Pt. Son (49y/M)

Oral exam (2019-10-08)



Pt. Son (49y/M)

Horizontal bone : 2mm #16

rainbow 3D Viewer

IMPLANT

MPR

Cross

Report

Curve Info

W: 80mm

I: 0.5mm

T: 0.0mm

Nerve Info

R: 1,0mm

Dis: 2.12 mm

Dentium

rainbow 3D Viewer

IMPLANT

MPR

Cross

Report

Curve Info

W 80mm

I 0,5mm

T 0,0mm

Dis : 1.62 mm

Nerve Info

R 1,0mm

Dentium For Dentists by Dentium

rainbow 3D Viewer

IMPLANT MPR Cross Report

Curve Info
W 80mm
I 0.5mm
T 0.0mm

Nerve Info
R 1.0mm

Dentium
For Dentists By Dentists

The interface displays a 3D model of a patient's skull and teeth. The main view shows a frontal view of the skull with a red line indicating a cross-section. To the right, there is a curved view of the teeth with a red line and a green line indicating a curve. Below this, there are three sagittal views of the teeth. The interface includes various toolbars and panels for navigation and measurement.

rainbow 3D Viewer

IMPLANT MPR Cross Report

Curve Info
W 80mm
I 0.5mm
T 0.0mm

Nerve Info
R 1.0mm

The image displays a comprehensive 3D dental CT scan interface. The central focus is a 3D reconstruction of a patient's skull and teeth, showing dental implants. The interface is divided into several panels: a large top-down view of the skull, a side view of the jaw, and a bottom-left view showing a cross-section. A 'Curve Info' panel on the right provides parameters for a curved line drawn along the dental arch: W (Width) 80mm, I (Interval) 0.5mm, and T (Thickness) 0.0mm. A 'Nerve Info' panel at the bottom left shows a value of 1.0mm. The software is identified as 'rainbow 3D Viewer' and 'Dentium For Dentists By Dentists'. The interface also includes various toolbars for navigation and manipulation, and a vertical sidebar on the left with tabs for 'IMPLANT', 'MPR', 'Cross', and 'Report'.

rainbow 3D Viewer

IMPLANT MPR Cross Report

Curve Info
W 80mm
I 0.5mm
T 0.0mm

Nerve Info
R 1.0mm

Dentium
For Dentists By Dentists

rainbow 3D Viewer

IMPLANT MPR Cross Report

Curve Info
W 80mm
I 0.5mm
T 0.0mm

Nerve Info
R 1.0mm

Initial Photo



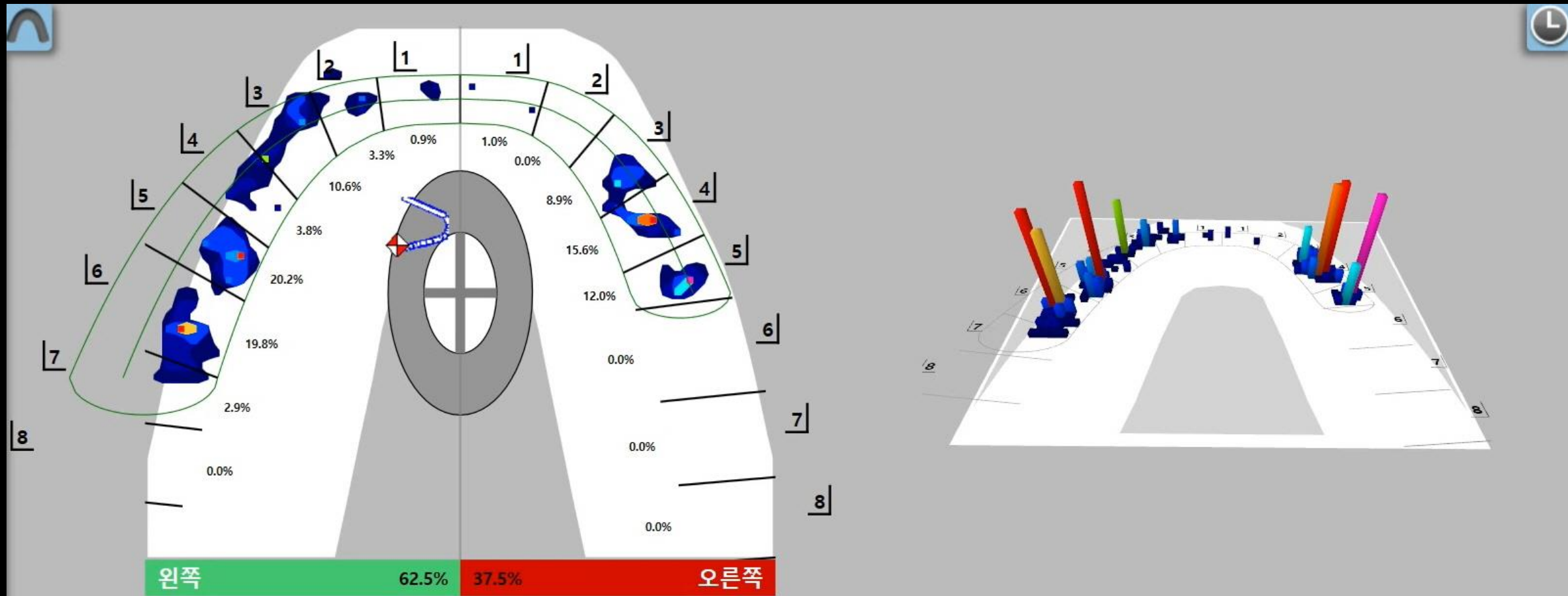
Initial Photo



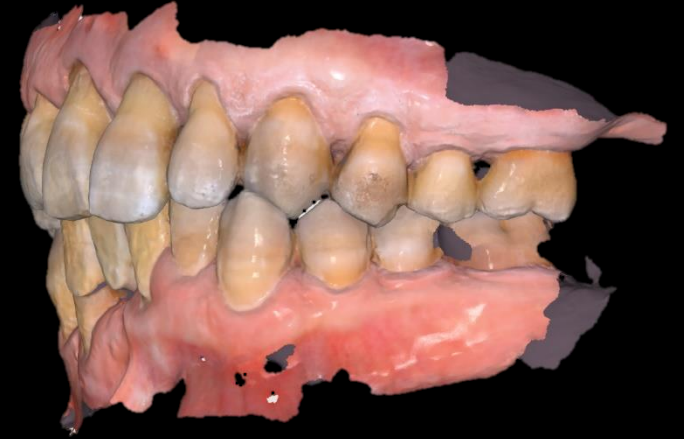
Initial Photo



Bite examination



Intra Oral Scanning



Digital Guide S/W (Load Data)

DIGITAL GUIDE Name: N/A Age: N/A

Load Data

Dentist: Dr. Park

Description

Dicom Load ✓

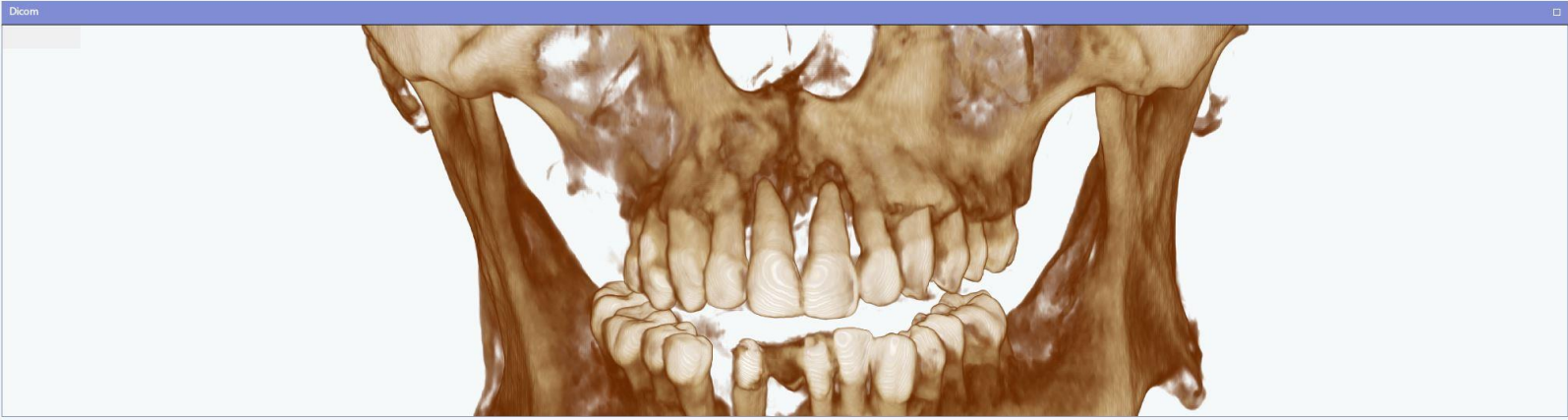
Upper Jaw Load ✓

Lower Jaw Load ✓


Reset ↵ Next →

1. Add Patient

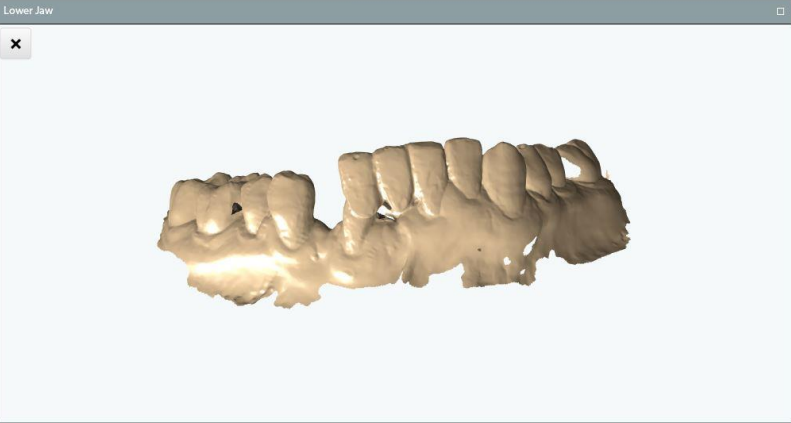
Dicom



Upper Jaw



Lower Jaw



3D rendering of a human skull and jaw structure, showing the upper and lower jaws. The image is split into three panels: a top panel showing the full skull, and two bottom panels showing the upper and lower jaw teeth separately.

Digital Guide S/W (Select tooth number)


DIGITAL GUIDE Name: N/A Age: N/A

1. Add Patient

Order Form

Select Tooth Number

17 16 15 14 13 12 11 21 22 23 24 25 26 27

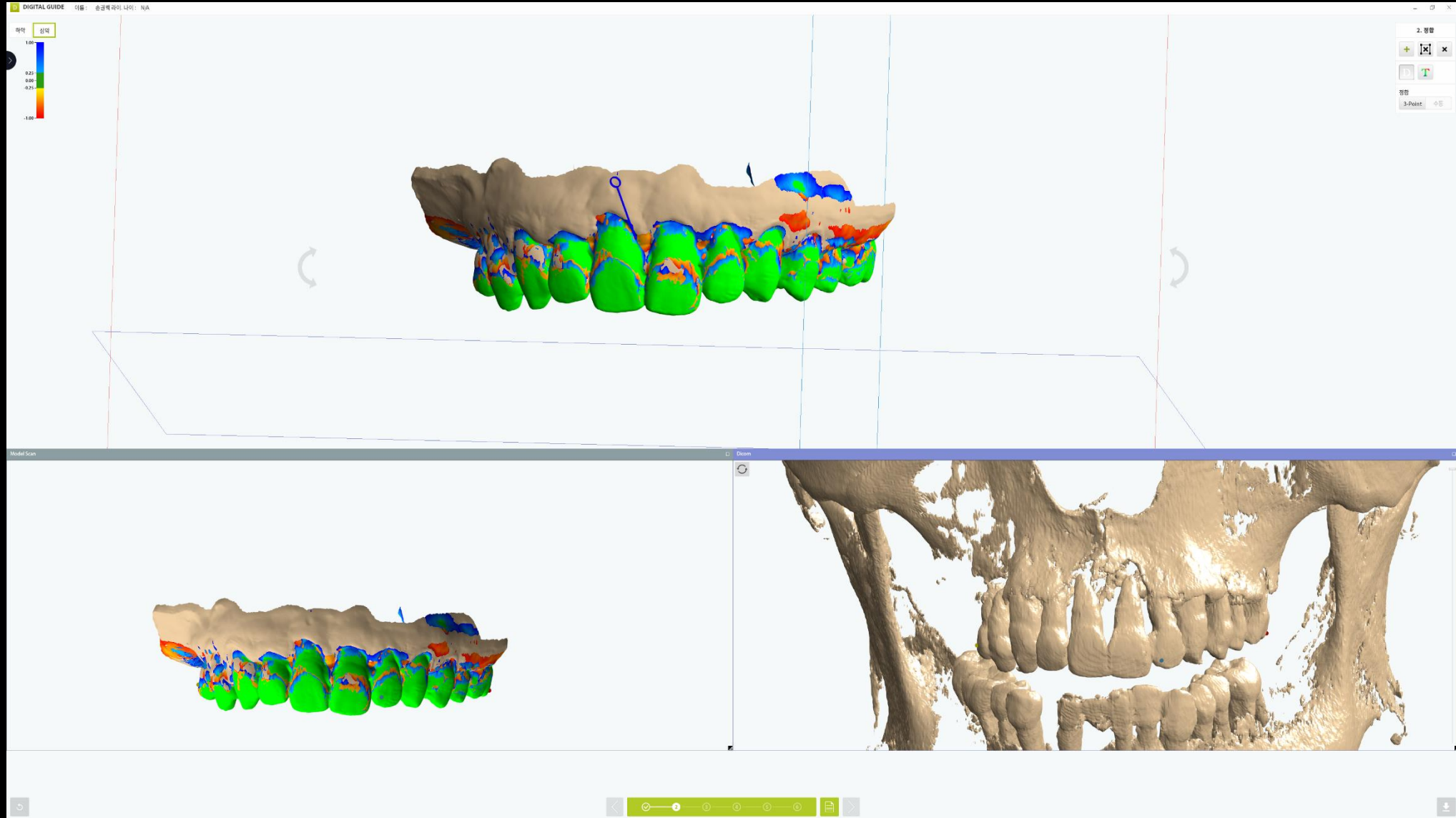


47 46 45 44 43 42 41 31 32 33 34 35 36 37

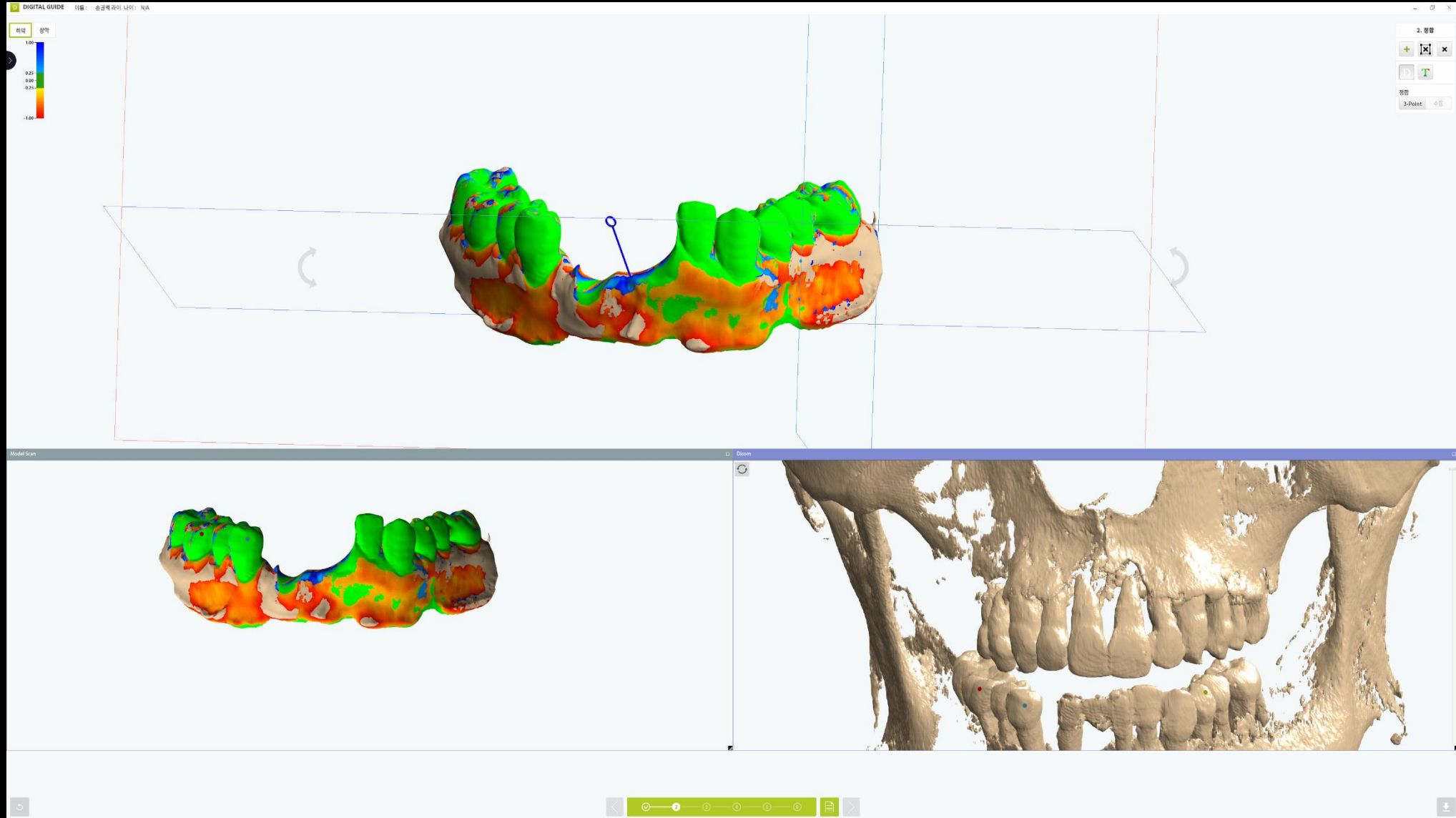
Next →

The screenshot shows a software interface for selecting a tooth number. At the top, there is a header with 'DIGITAL GUIDE' and patient information 'Name: N/A' and 'Age: N/A'. On the right side, there is a button labeled '1. Add Patient'. The main content area features a dark grey header with the text 'Order Form' and a green bar below it with the text 'Select Tooth Number'. Below this, there are two rows of tooth models. The top row contains 11 teeth labeled 17 through 27. The bottom row contains 11 teeth labeled 47 through 37. Teeth 16, 43, 41, and 31 are highlighted in green. A 'Next' button with a right-pointing arrow is located at the bottom right of the tooth selection area.

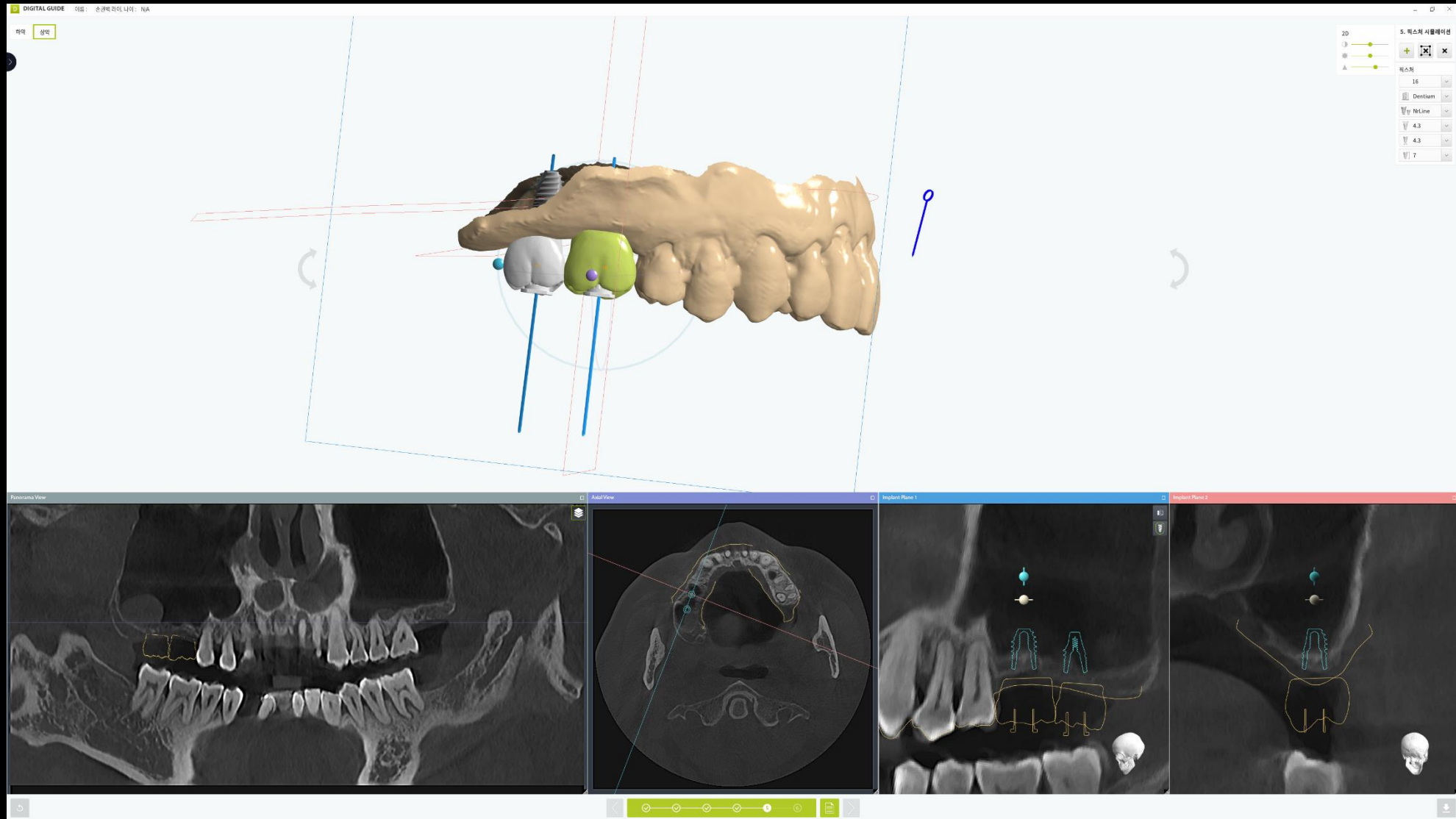
Digital Guide S/W (3 Point Merging)



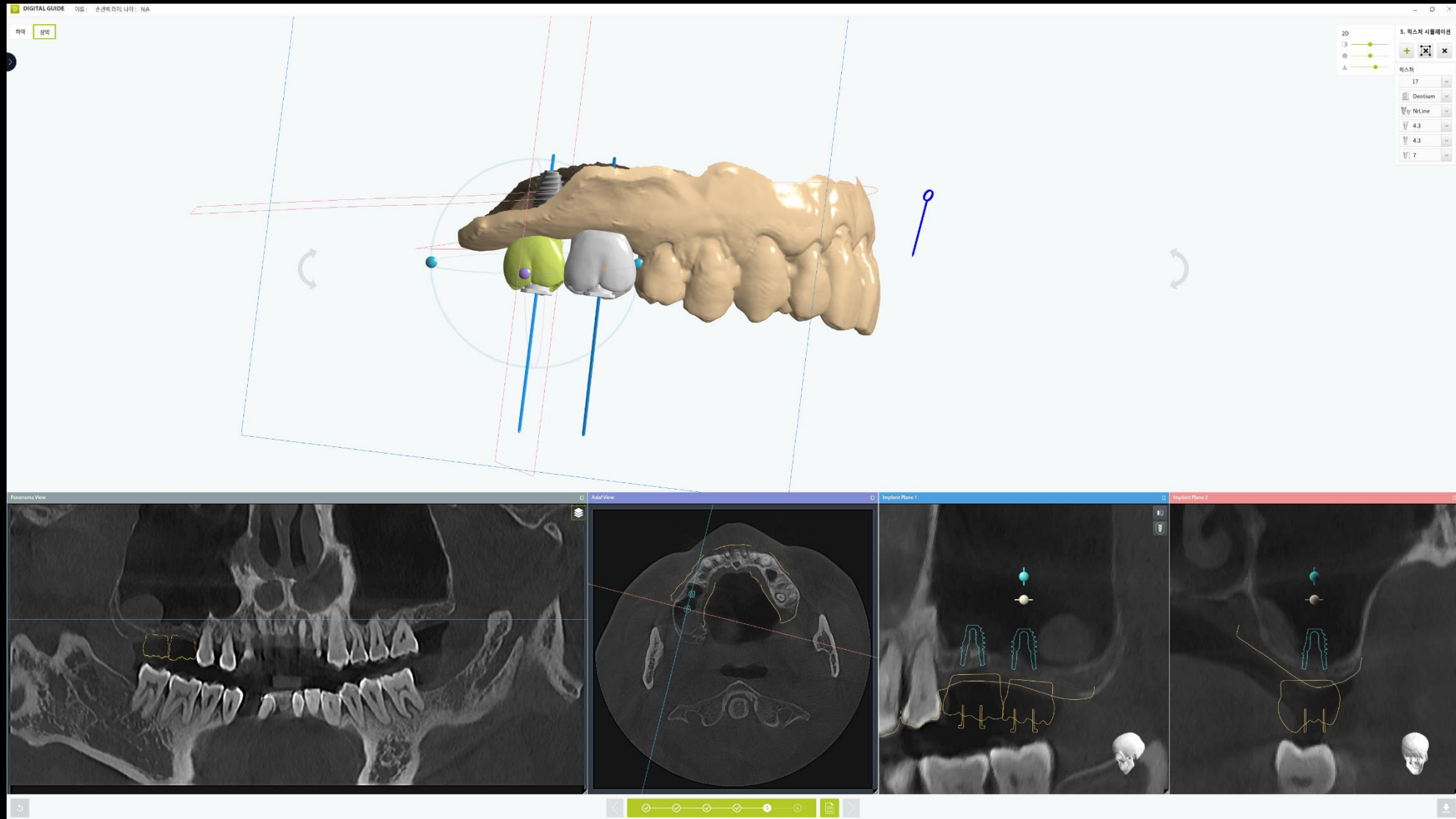
Digital Guide S/W (3 Point Merging)



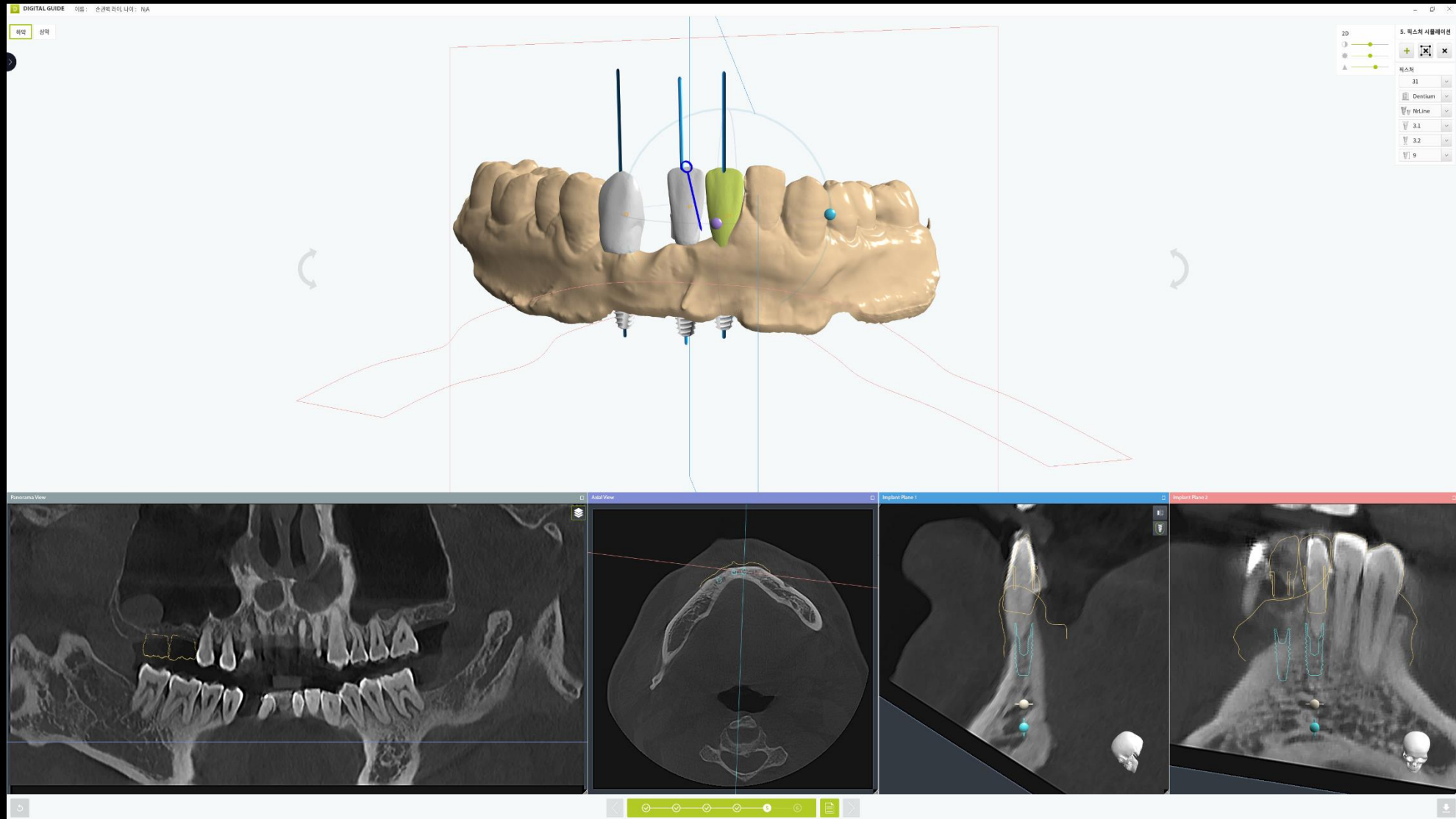
Digital Guide S/W (#16 Implant planning)



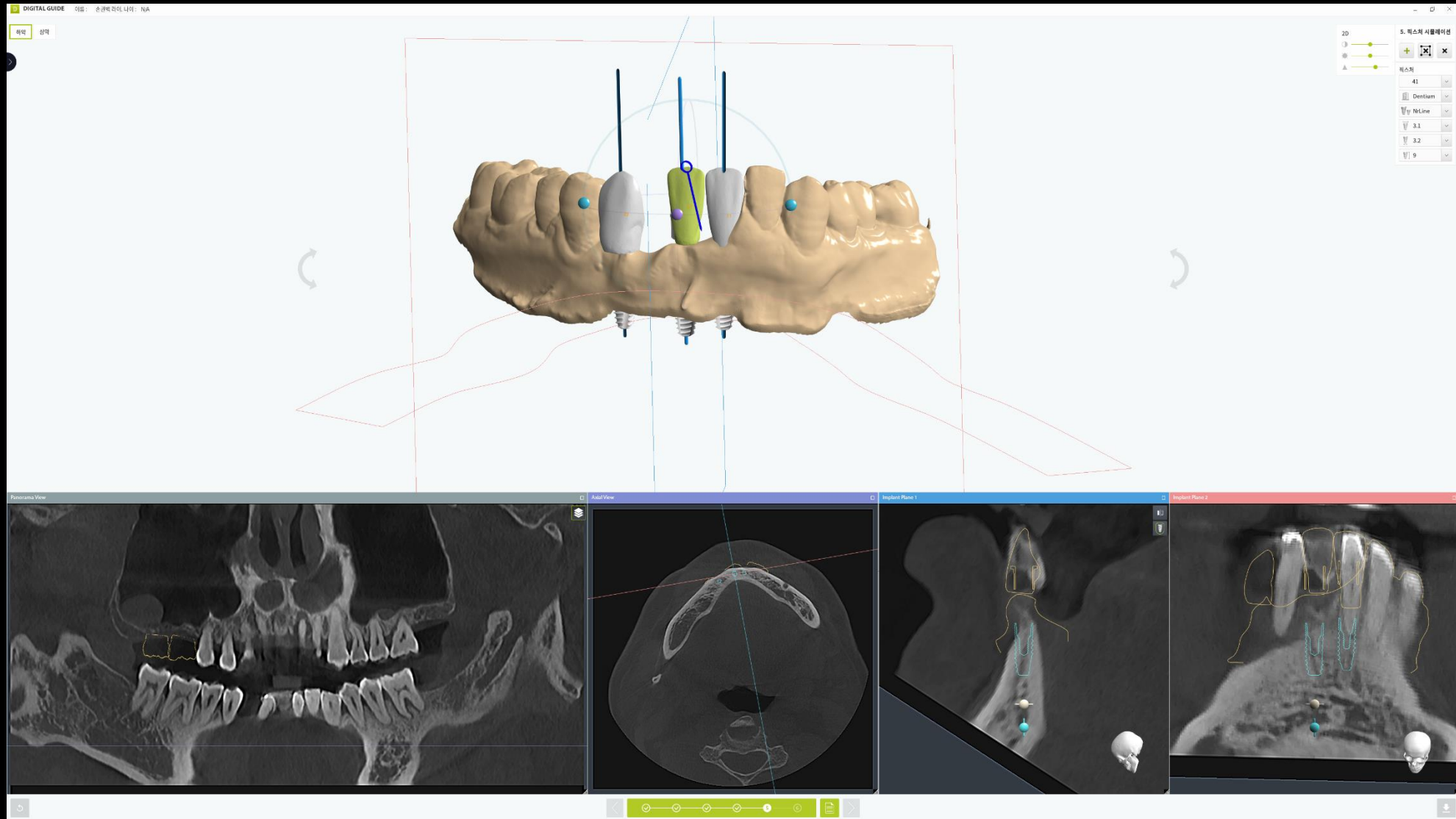
Digital Guide S/W (#17 Implant planning)



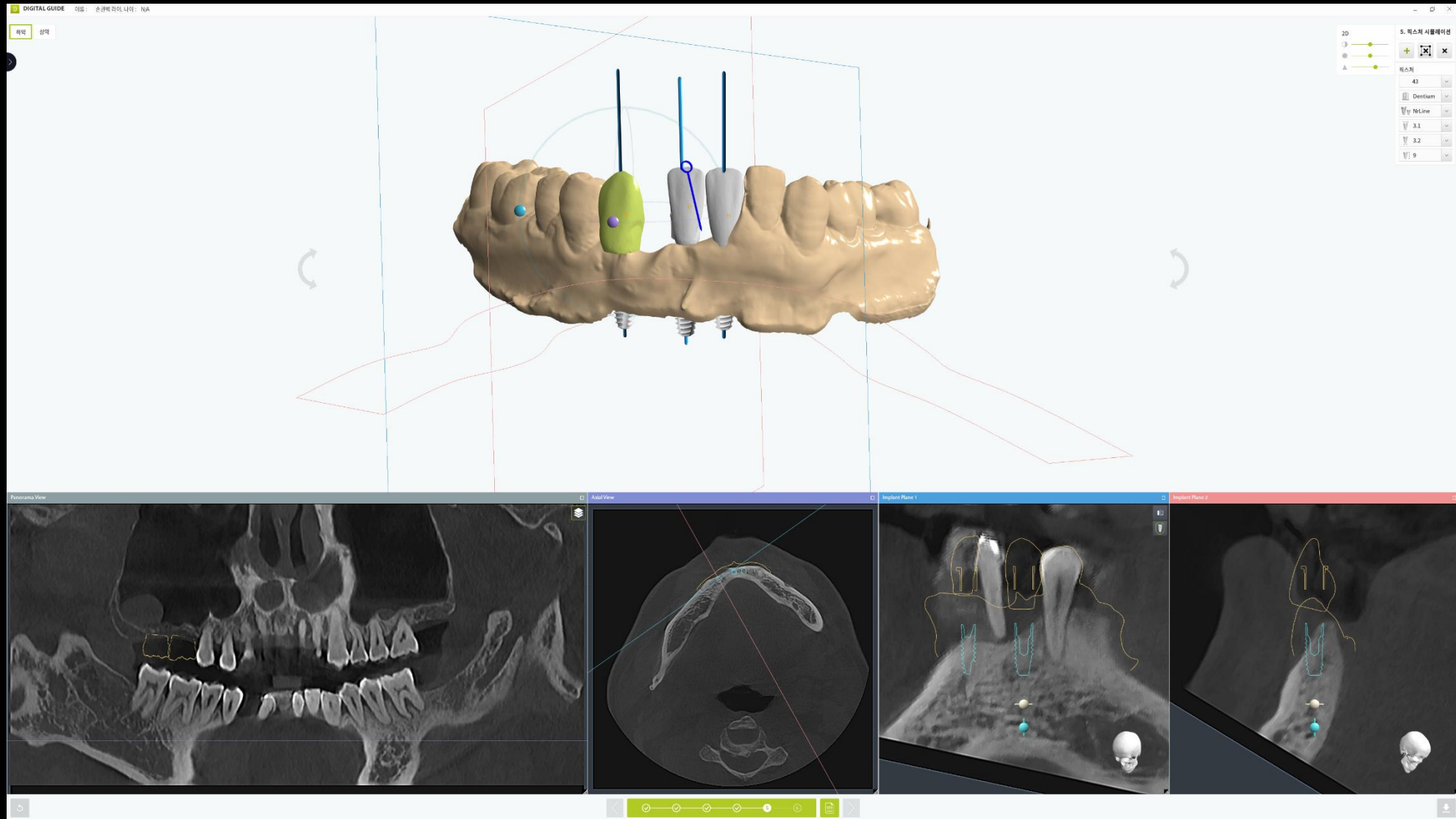
Digital Guide S/W (#31 Implant planning)



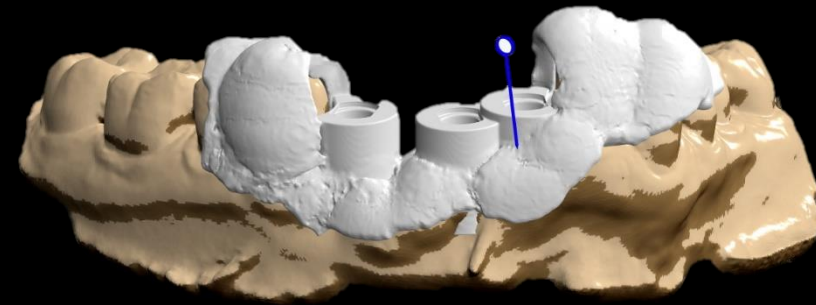
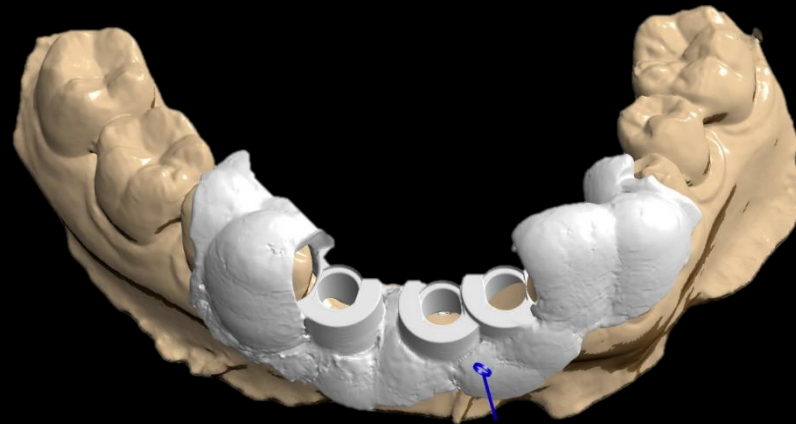
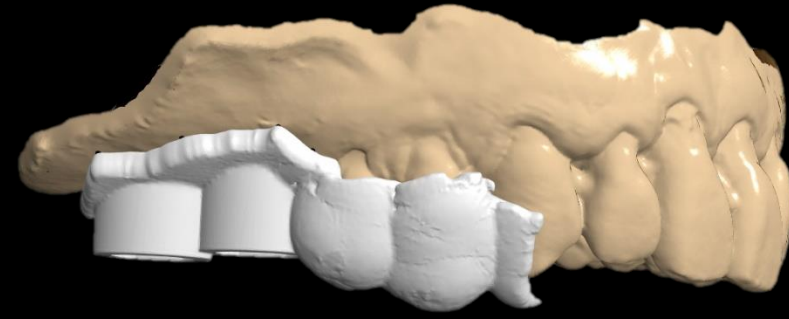
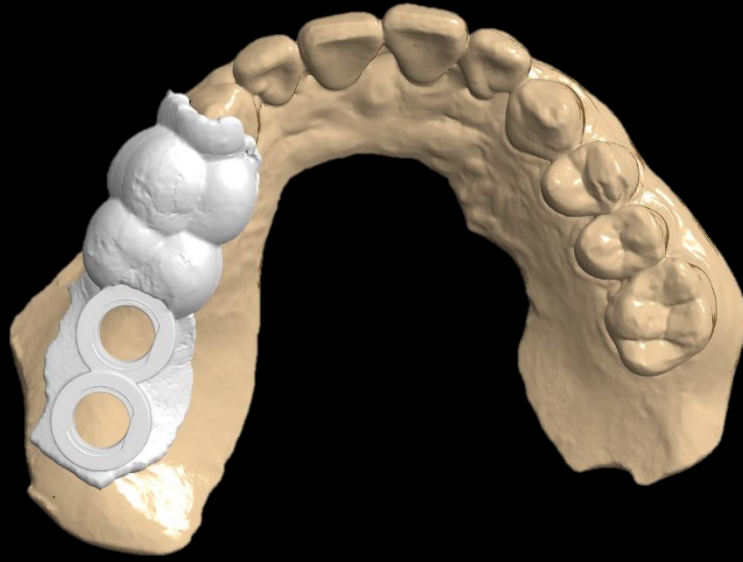
Digital Guide S/W (#41 Implant planning)



Digital Guide S/W (#43 Implant planning)



Digital Guide S/W (Stent Design)



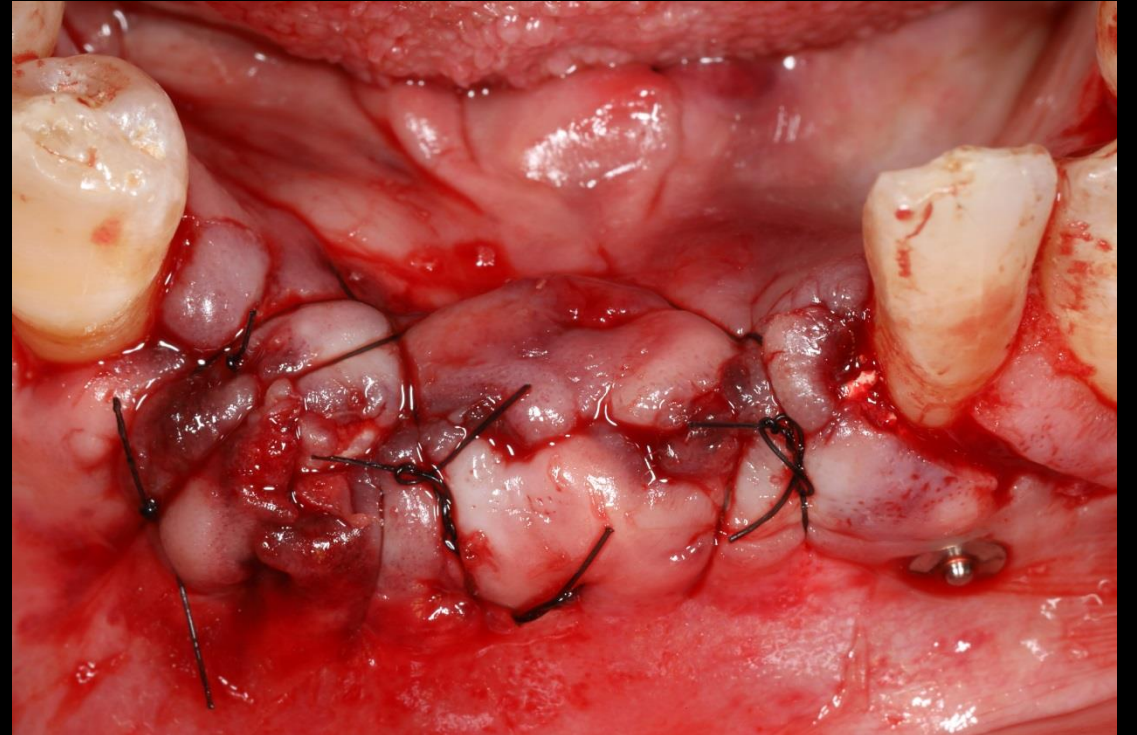
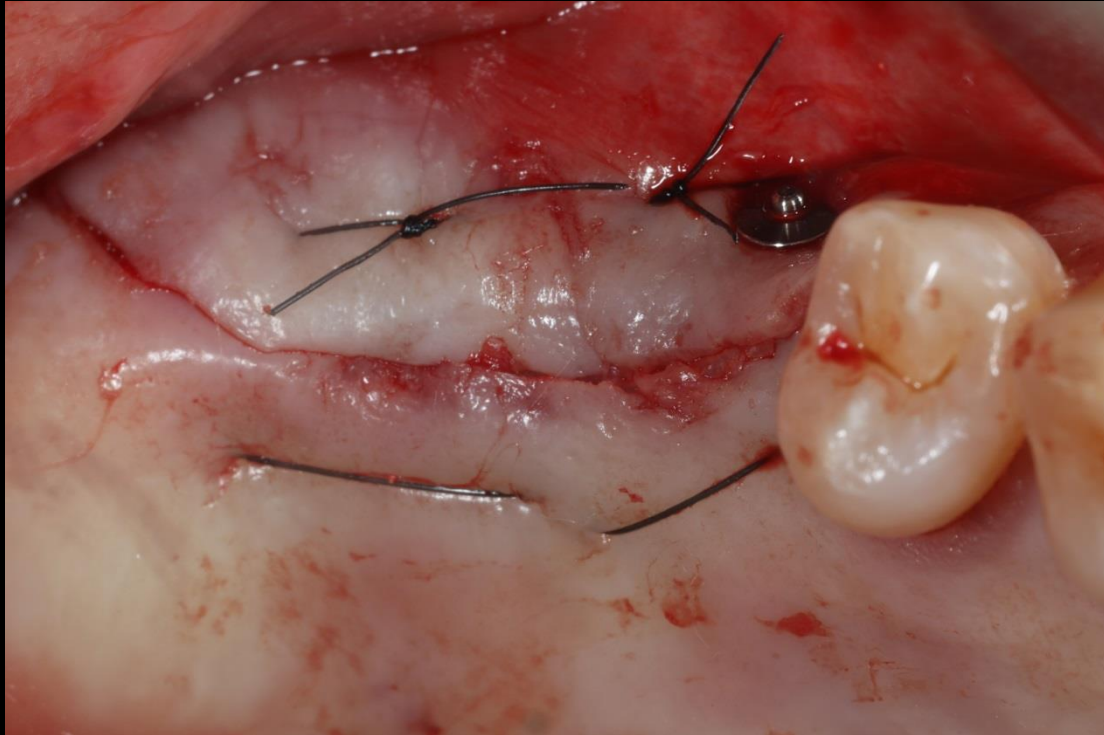
Stent



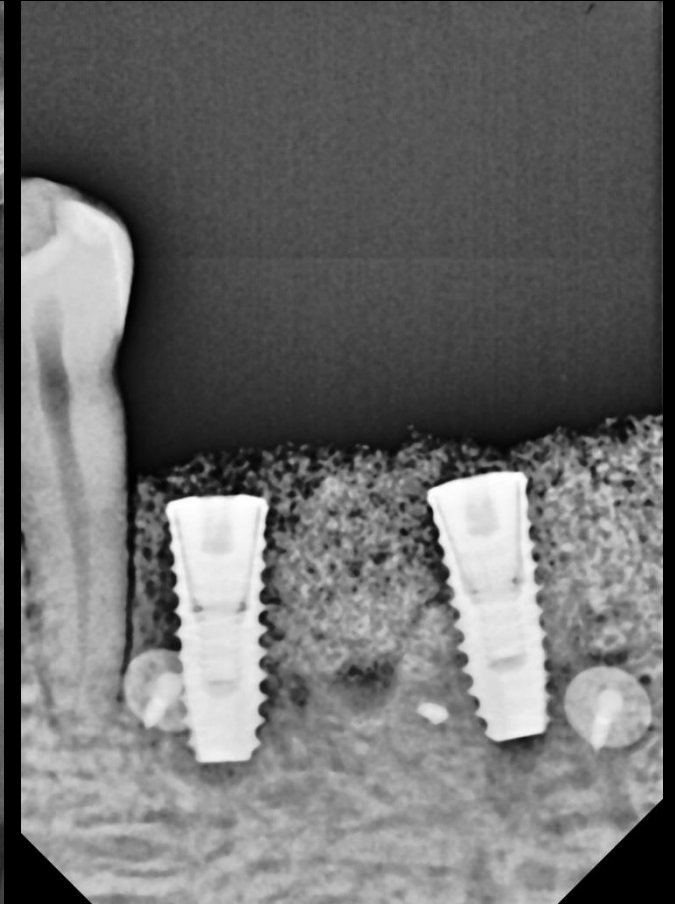
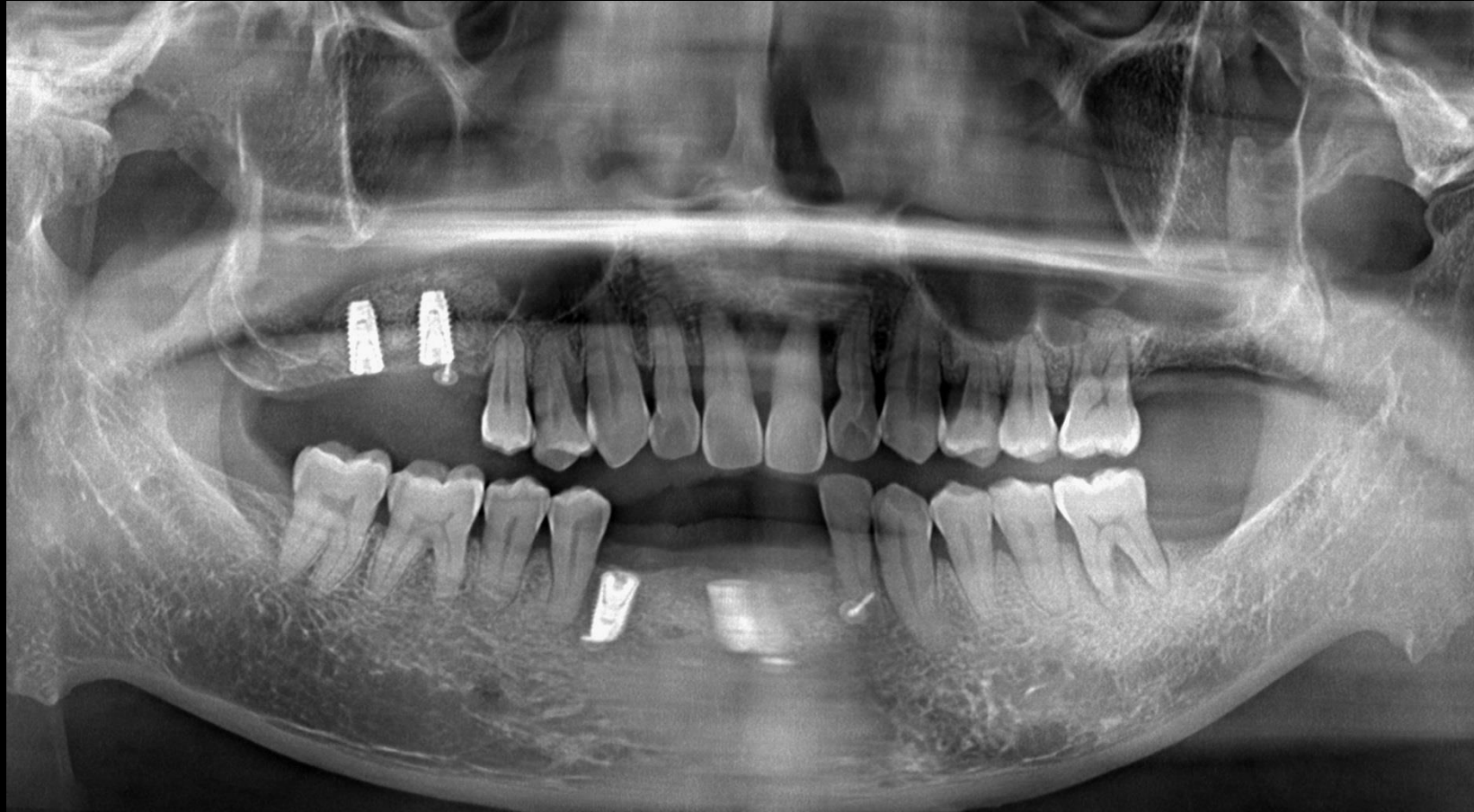
[Post-OP]



Post-op



Post-op



Similar case presentation (1)

- Immediate implantation & Contour augmentation

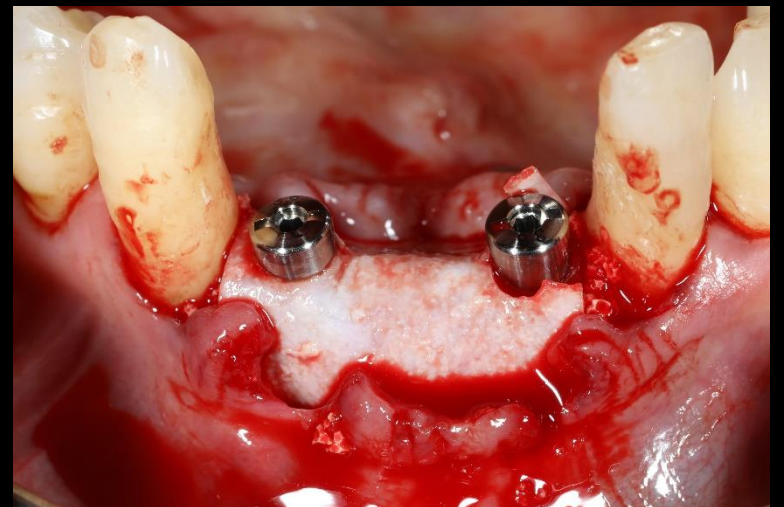
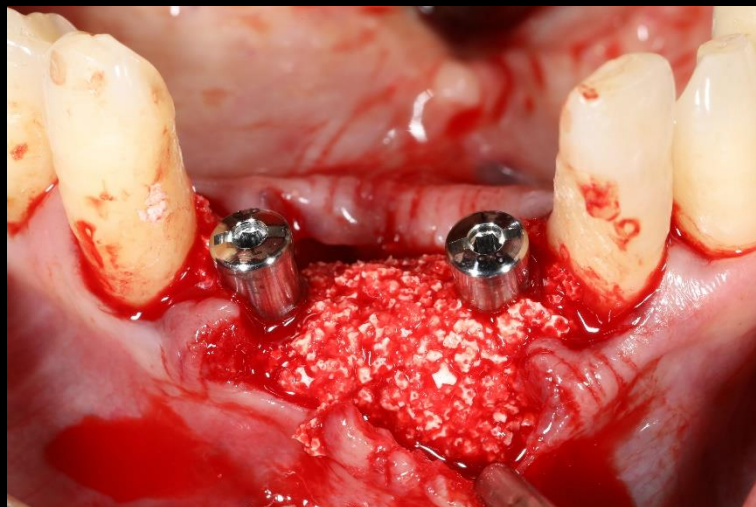
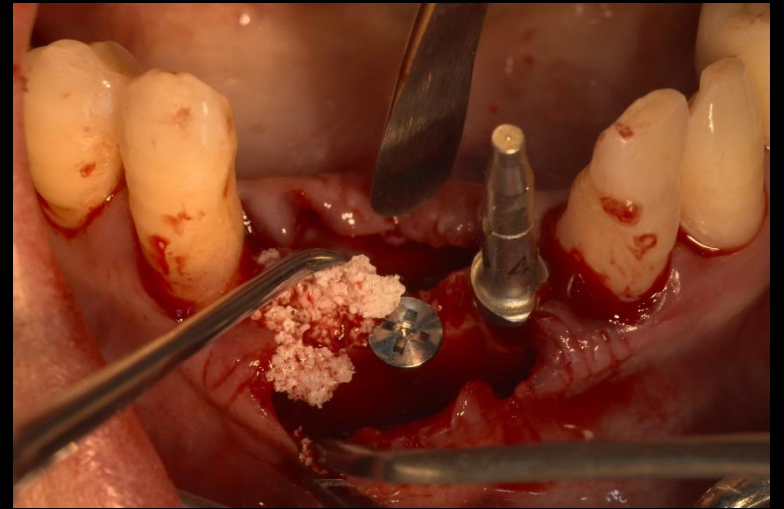
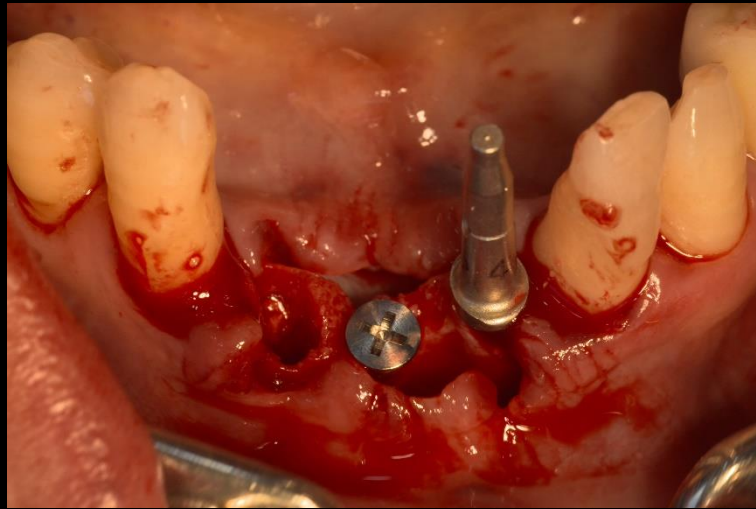
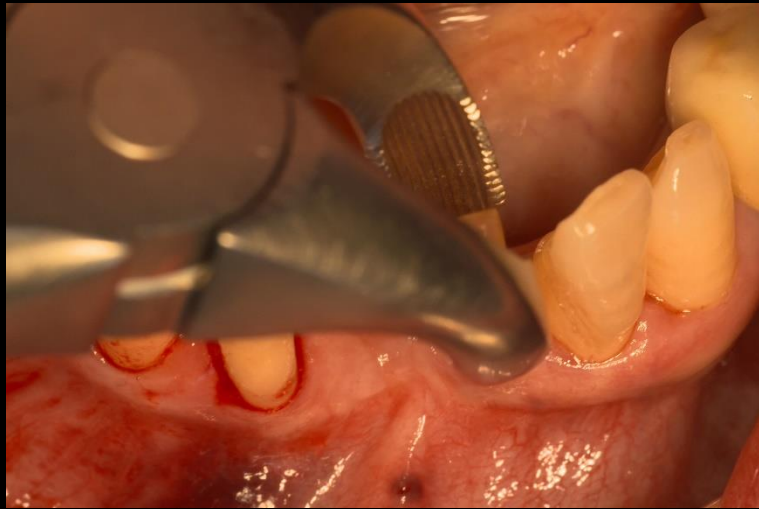


Pre-op (2018-04-30)



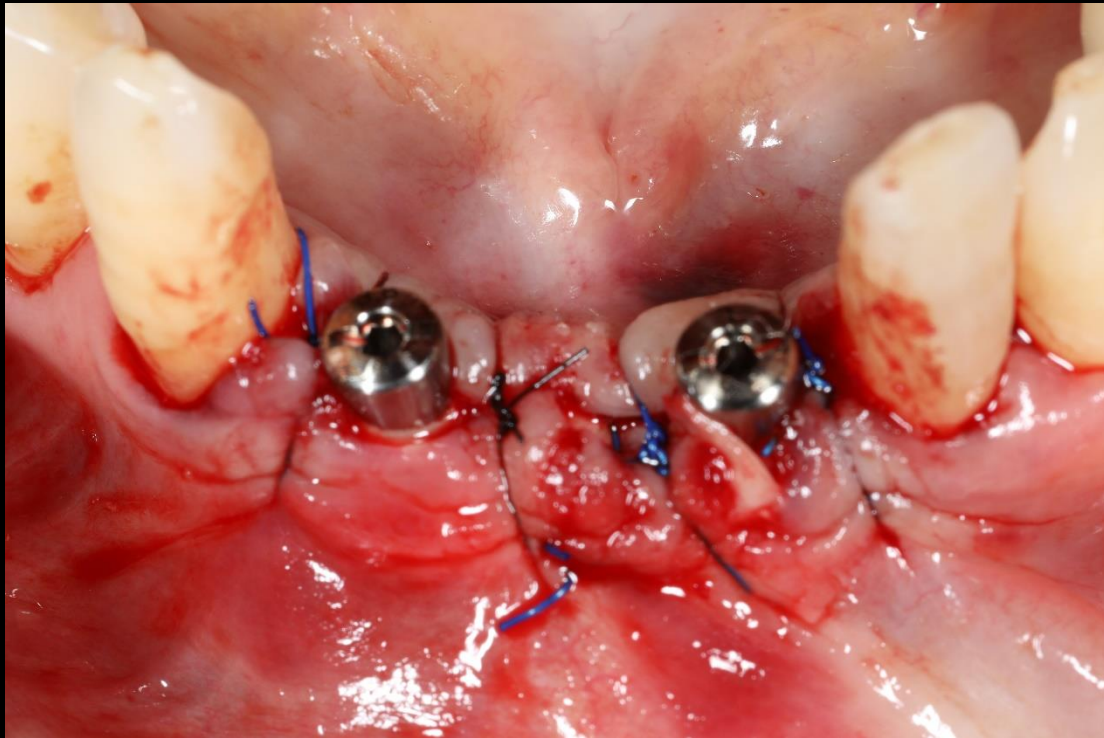
Final prosthesis (2018-09-03)

Similar case presentation (1) - Immediate implantation & Contour augmentation



Similar case presentation (1)

- Immediate implantation & Contour augmentation



Post-op
(2018-04-30)



Healing : 2 weeks
(2018-05-14)

Similar case presentation (1)

- Immediate implantation & Contour augmentation



Healing : 1 month 2 weeks
(2018-06-11)



Intra Oral Scanning
(2018-06-11)

Similar case presentation (1)

- Immediate implantation & Contour augmentation



Customized abutment
(2018-06-25)



Provisional restoration
(2018-06-25)

Similar case presentation (1)

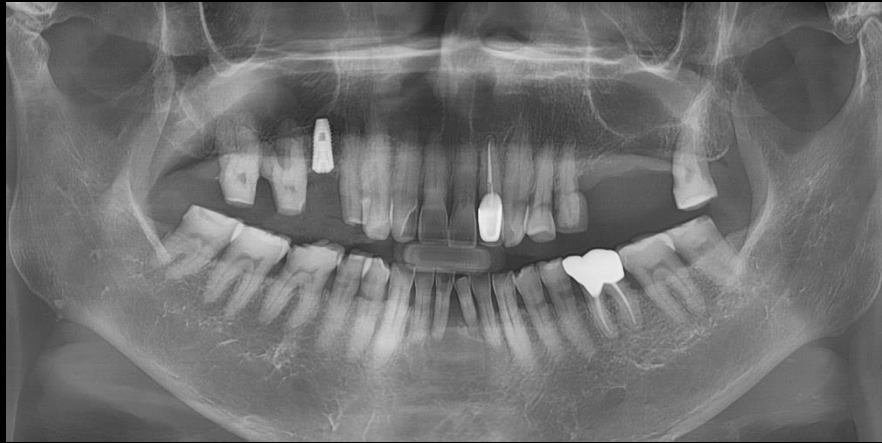
- Immediate implantation & Contour augmentation



Final prosthesis
(2018-09-03)

Similar case presentation (2)

- Sinus elevation with Lateral approach

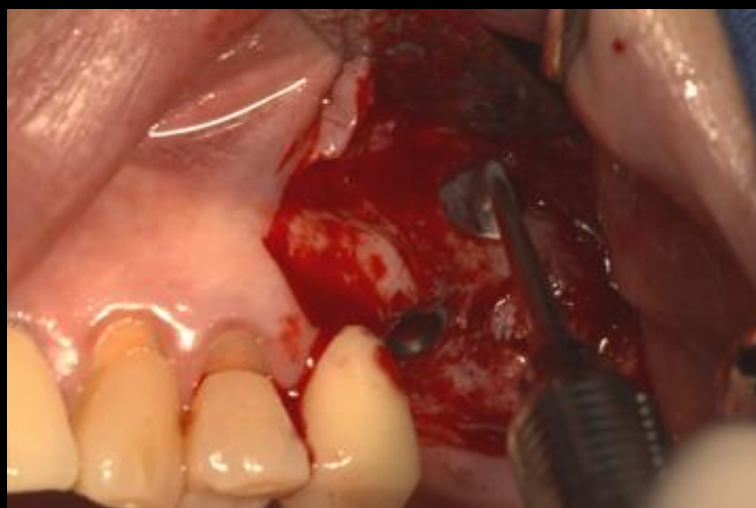
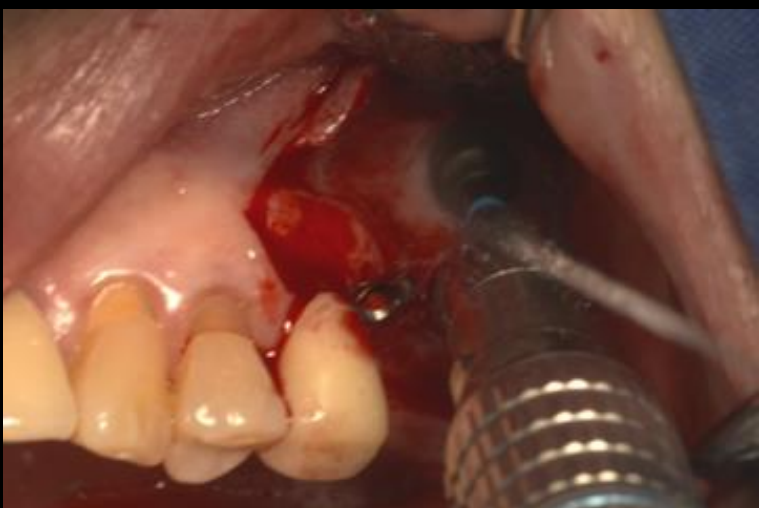
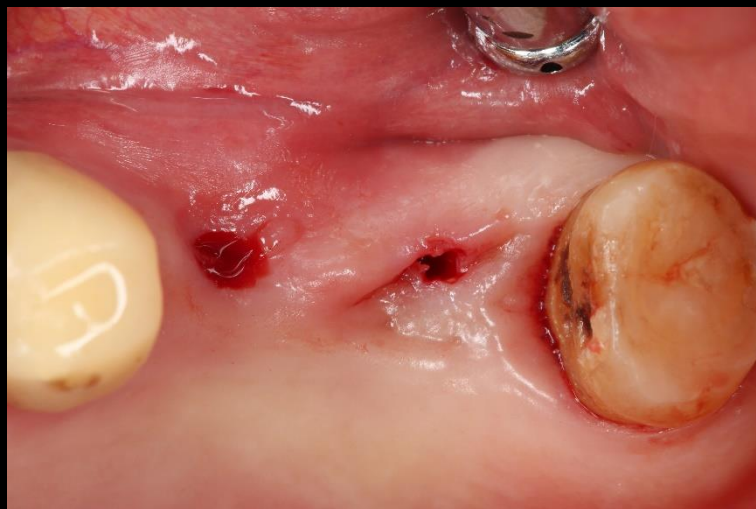


Pre-op (2017-02-03)



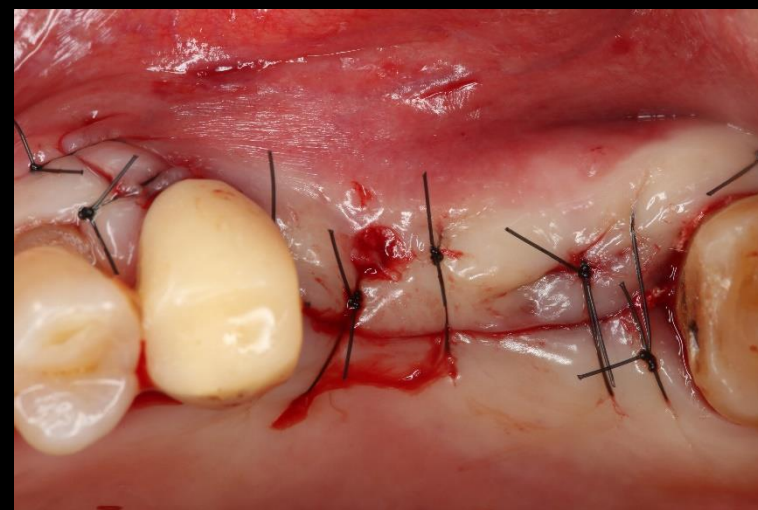
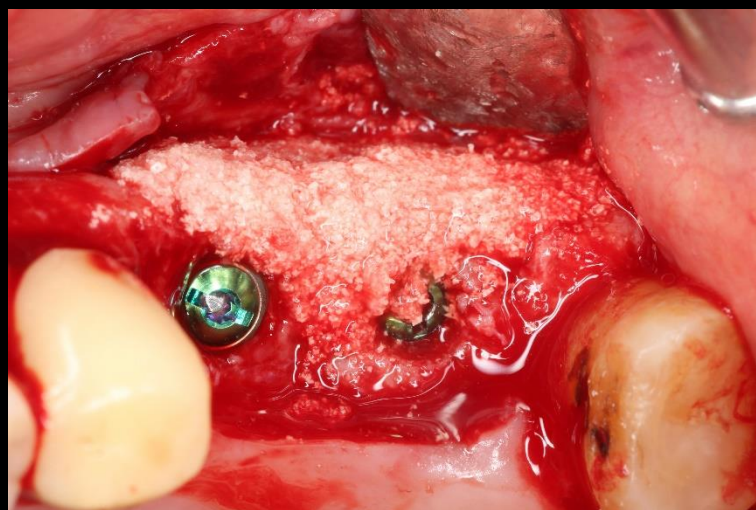
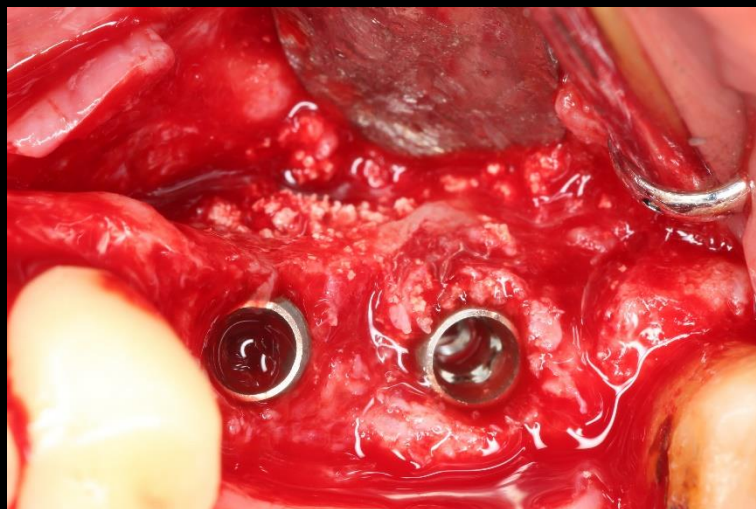
Final prosthesis (2017-07-28)

Similar case presentation (2) - Sinus elevation with Lateral approach



Similar case presentation (2)

- Sinus elevation with Lateral approach

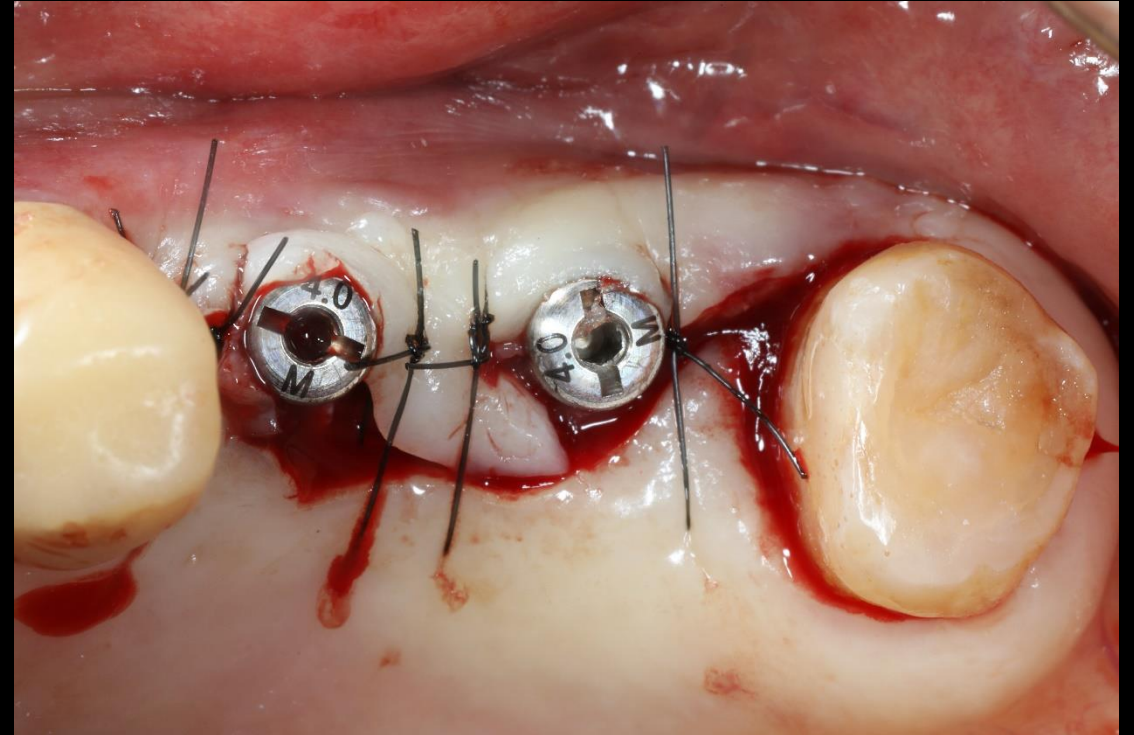


Similar case presentation (2)

- Sinus elevation with Lateral approach



Healing : 1 month
(2017-03-10)



Second stage surgery
(2017-04-19)

Similar case presentation (2)

- Sinus elevation with Lateral approach



Provisional restoration
(2017-07-12)



Final prosthesis
(2017-07-28)