



# LIVE Surgery

Dr. Jung-Hyun Park

2020.04.03 (Fri.)



## [Case Preview]

Dentium Digital Guide implant placement with  
Sinus and lateral bone augmentation in narrow alveolar ridge

# Patient Information

**Age** : 44

**Sex** : Female

## **Chief Complaint**

: I have a place to do implants

## **Past Medical History**

: N/S

## **Past Dental History**

: N/S

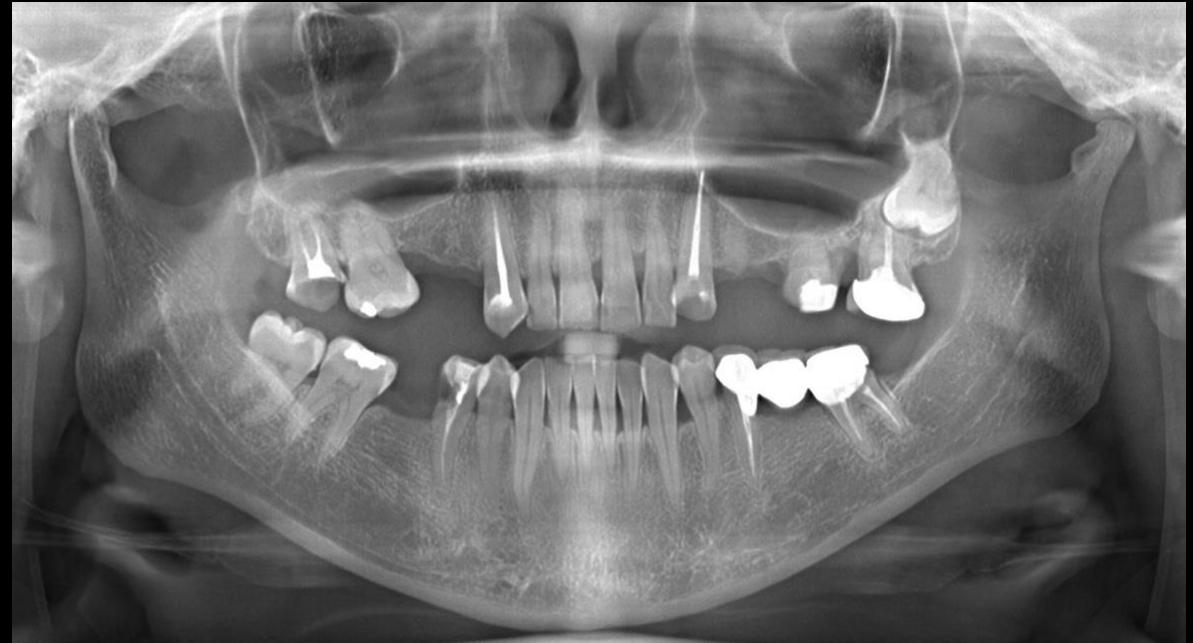
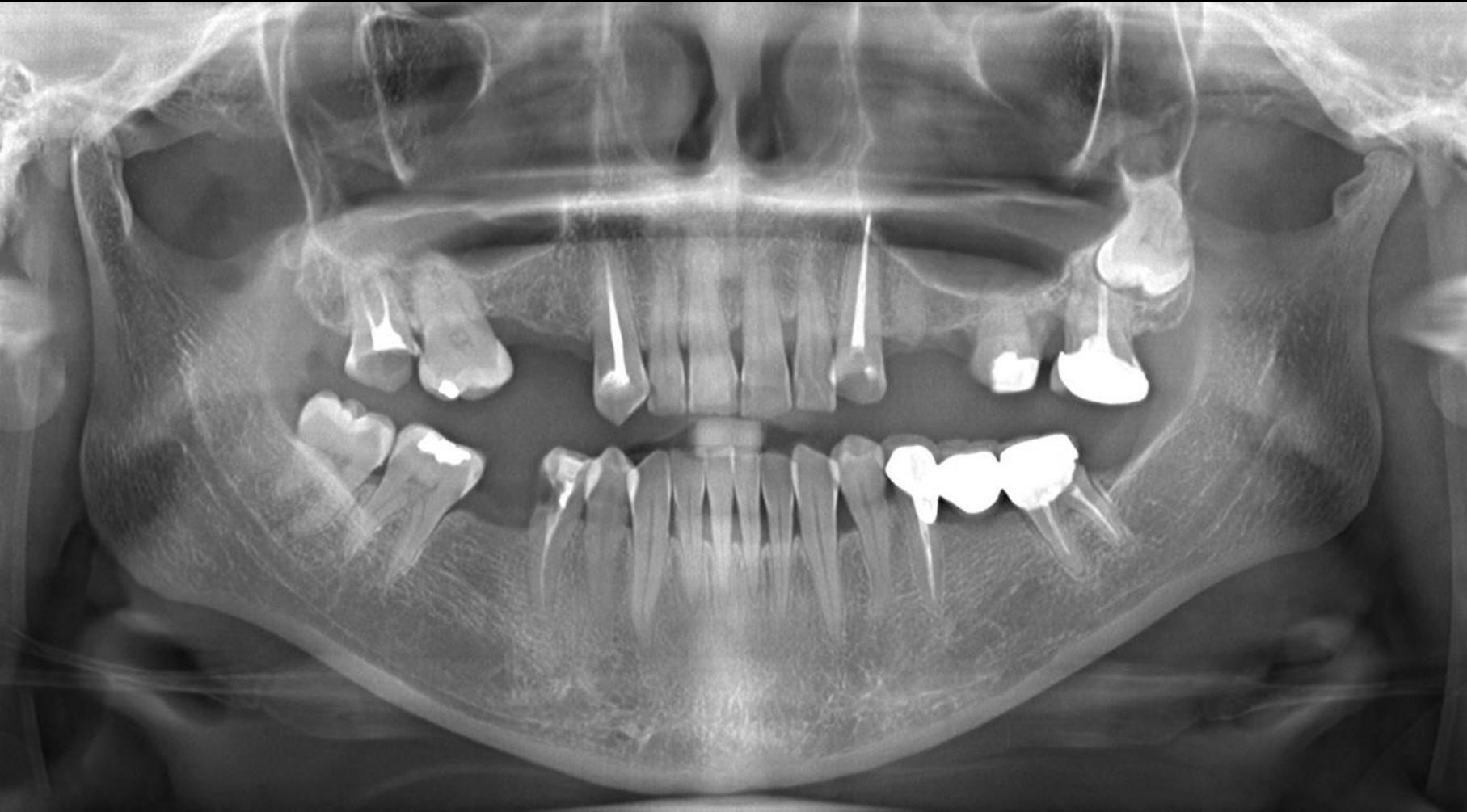


Photo (Pre-op)



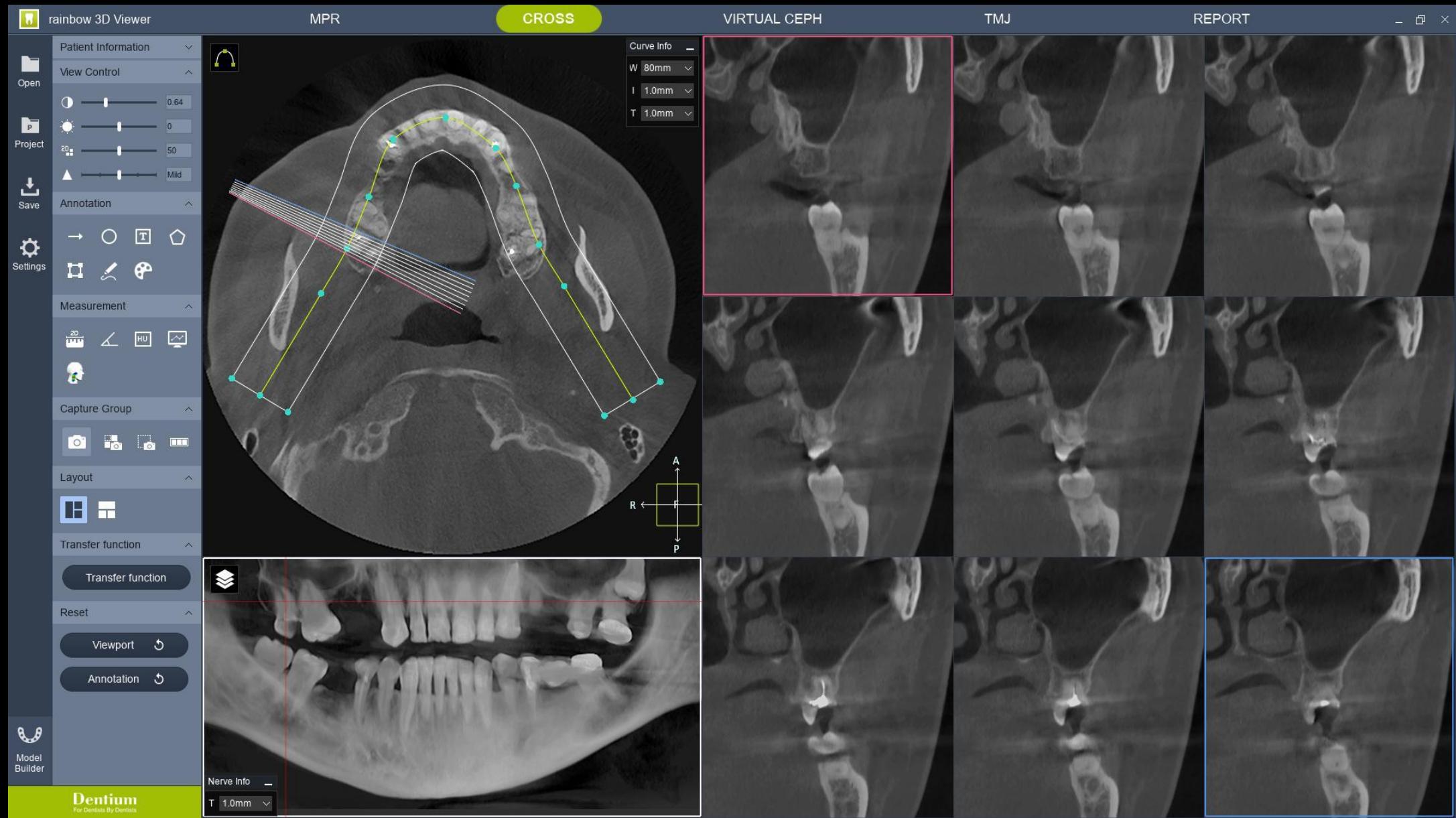
Pt. GCHRH (44/Female)

Pre-op (2020-03-11)



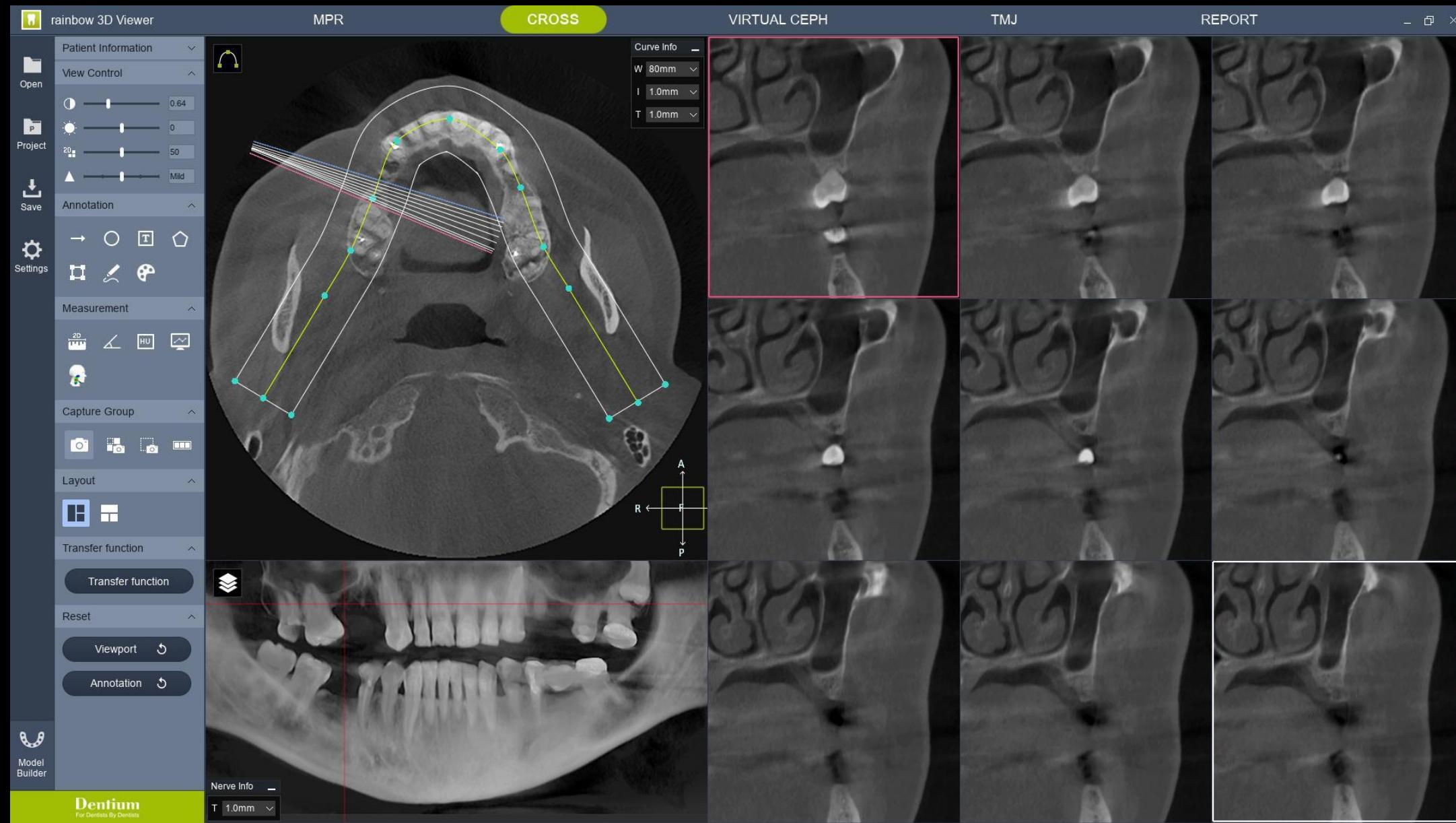
# Pt. GCHRH (44/Female)

#17



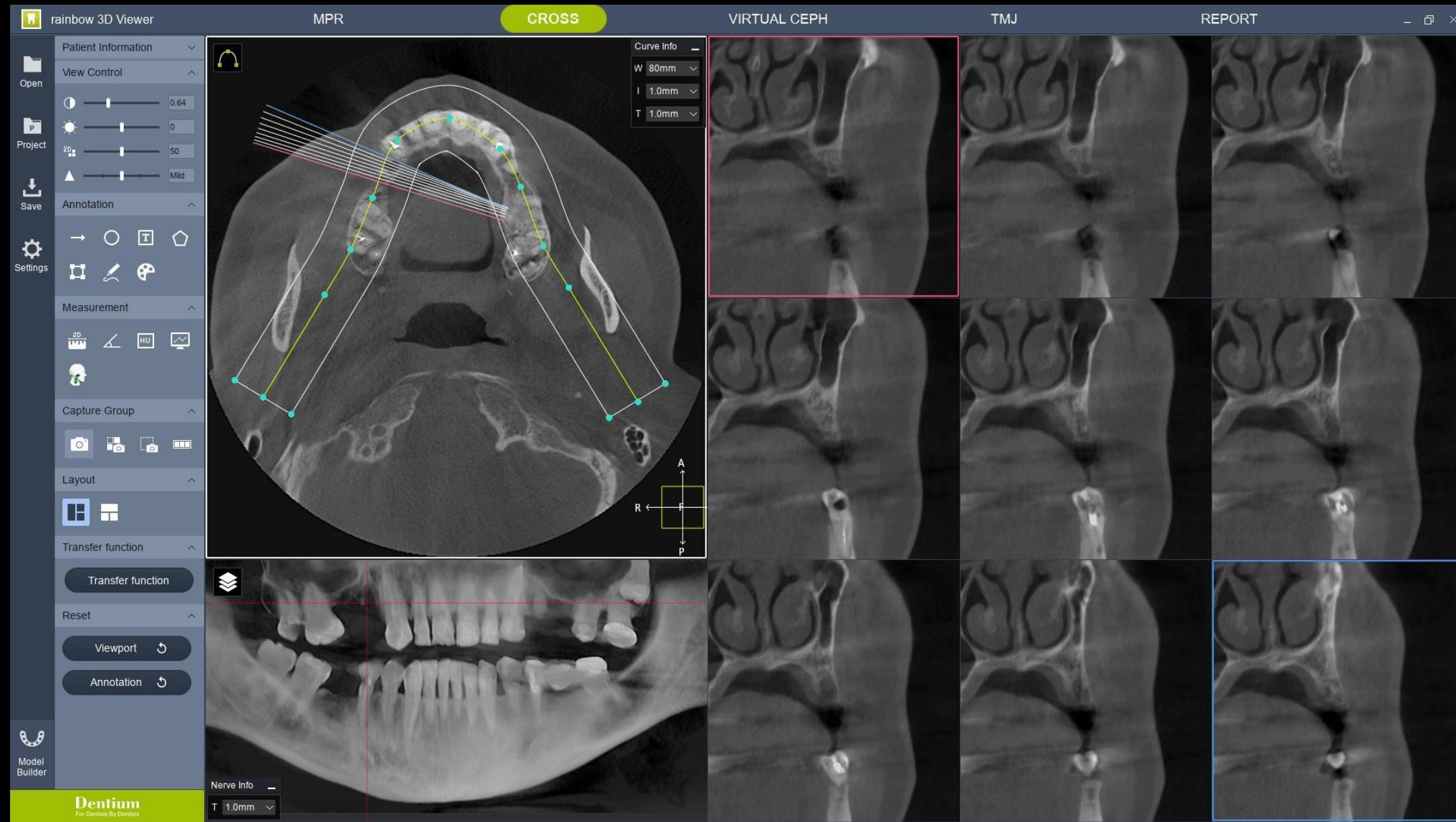
# Pt. GCHRH (44/Female)

#15



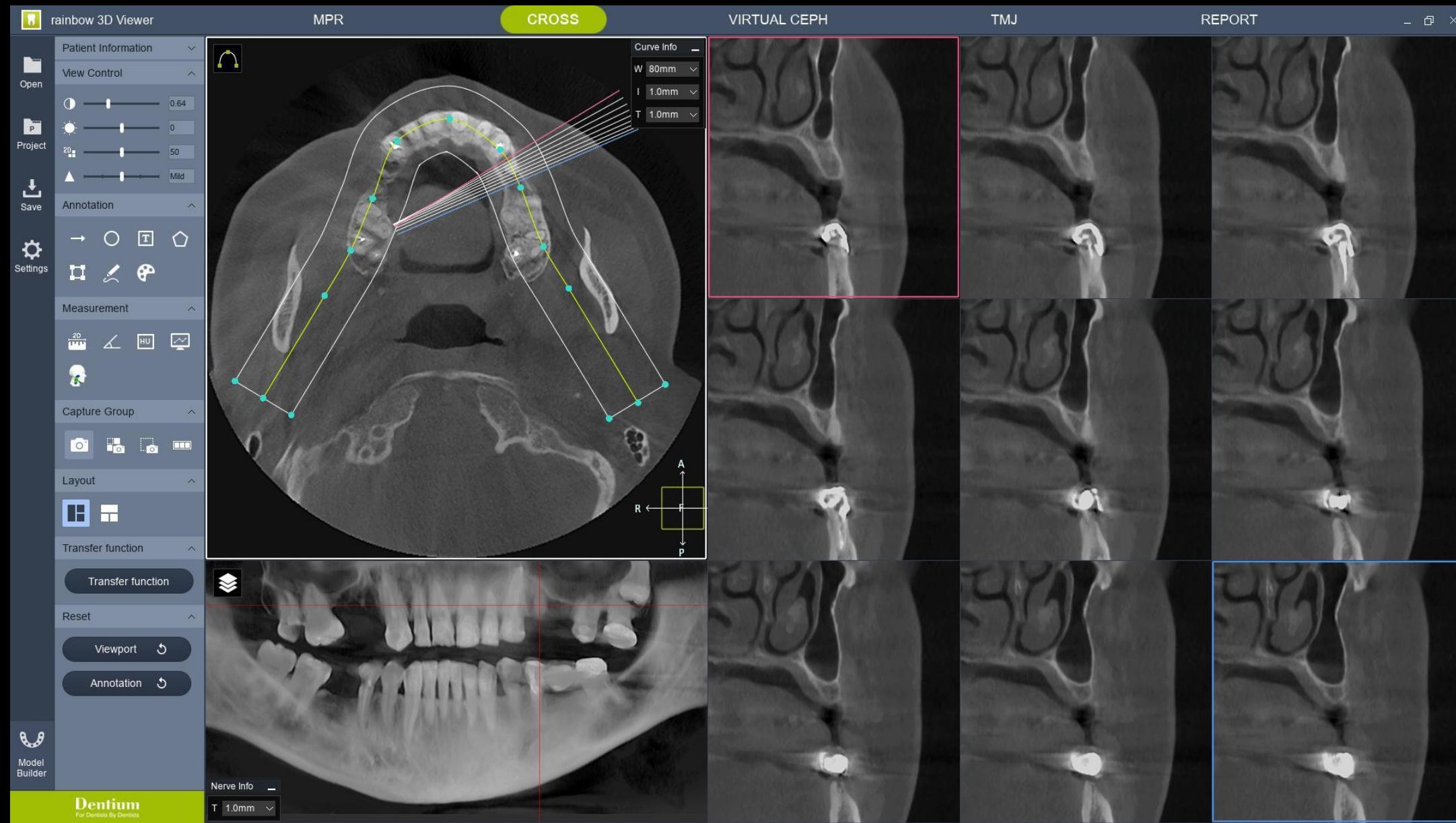
# Pt. GCHRH (44/Female)

#14



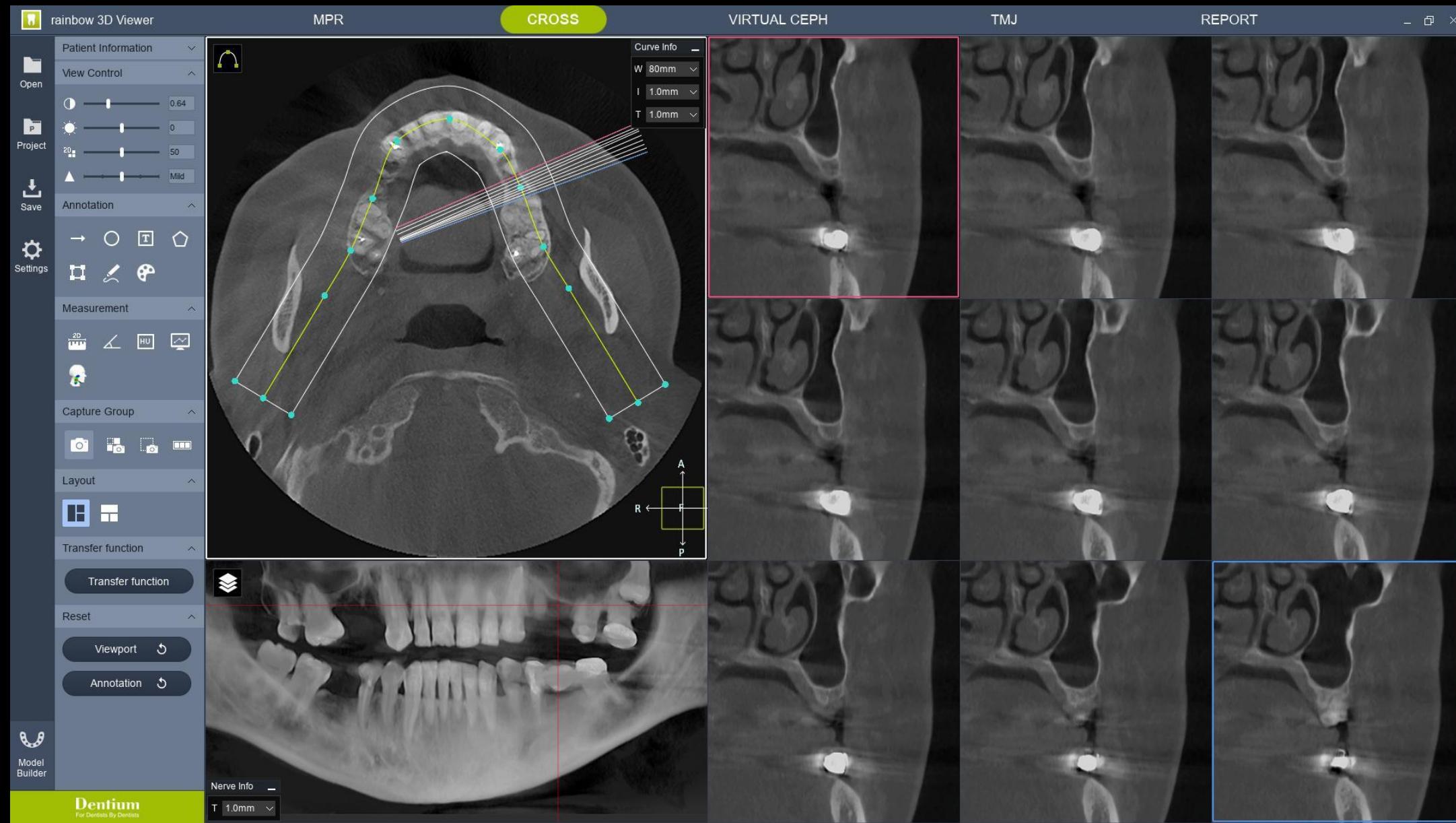
# Pt. GCHRH (44/Female)

#24



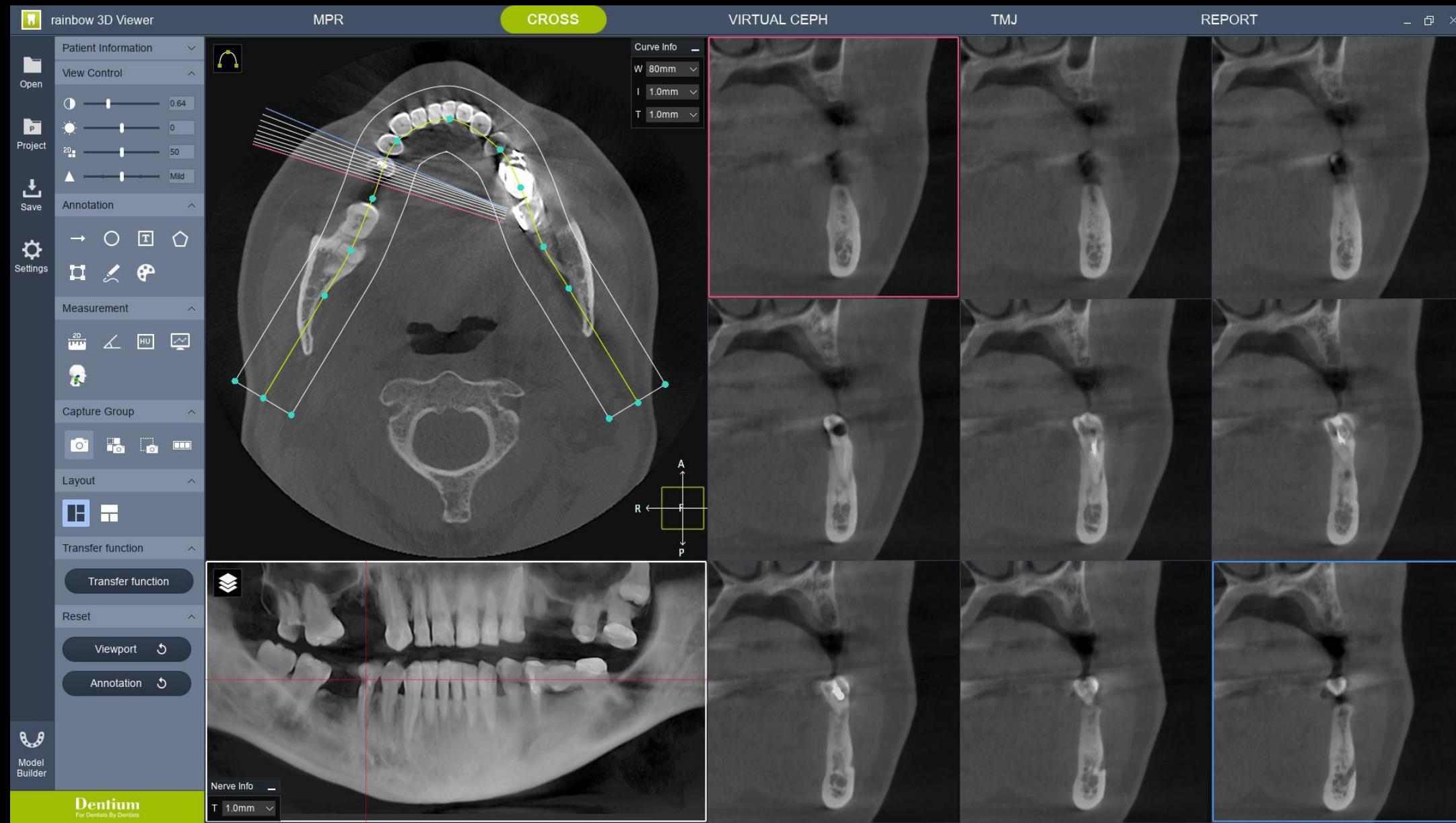
# Pt. GCHRH (44/Female)

#25



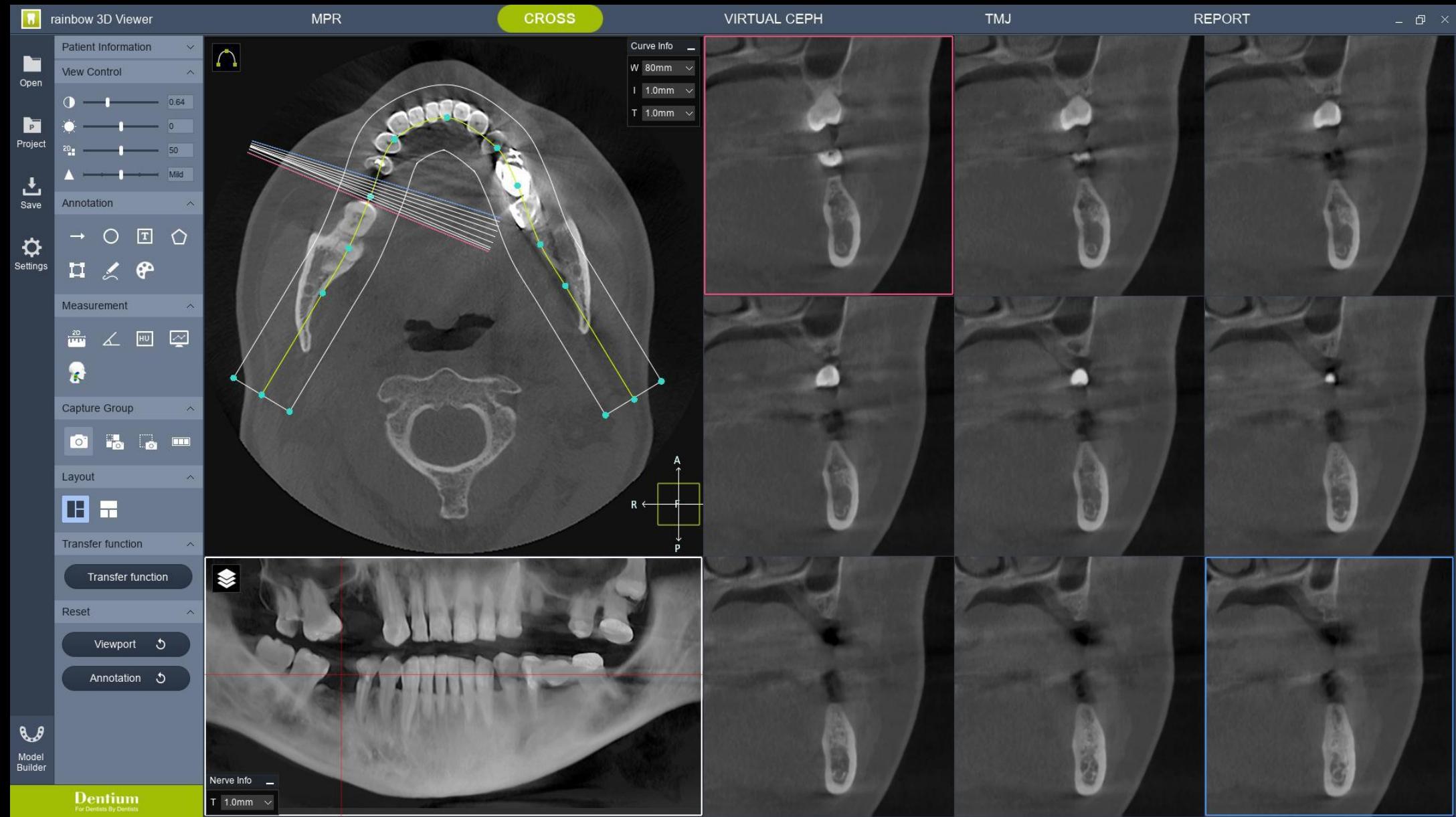
# Pt. GCHRH (44/Female)

#45



# Pt. GCHRH (44/Female)

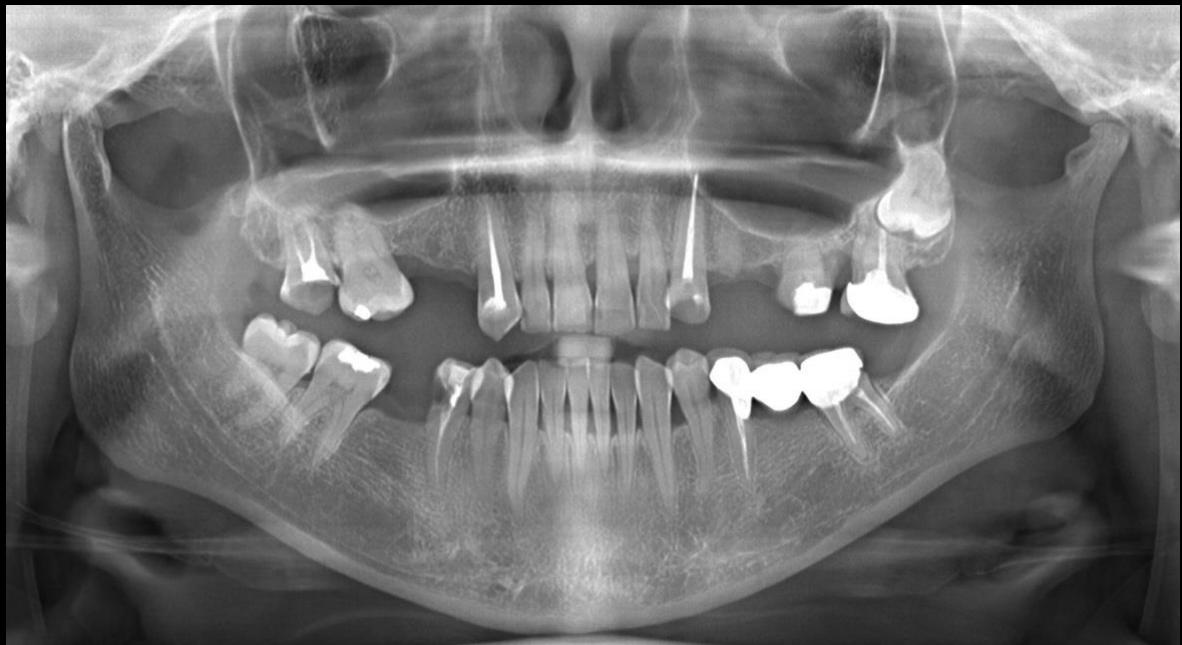
#46



# Patient Information

## Surgery Plan

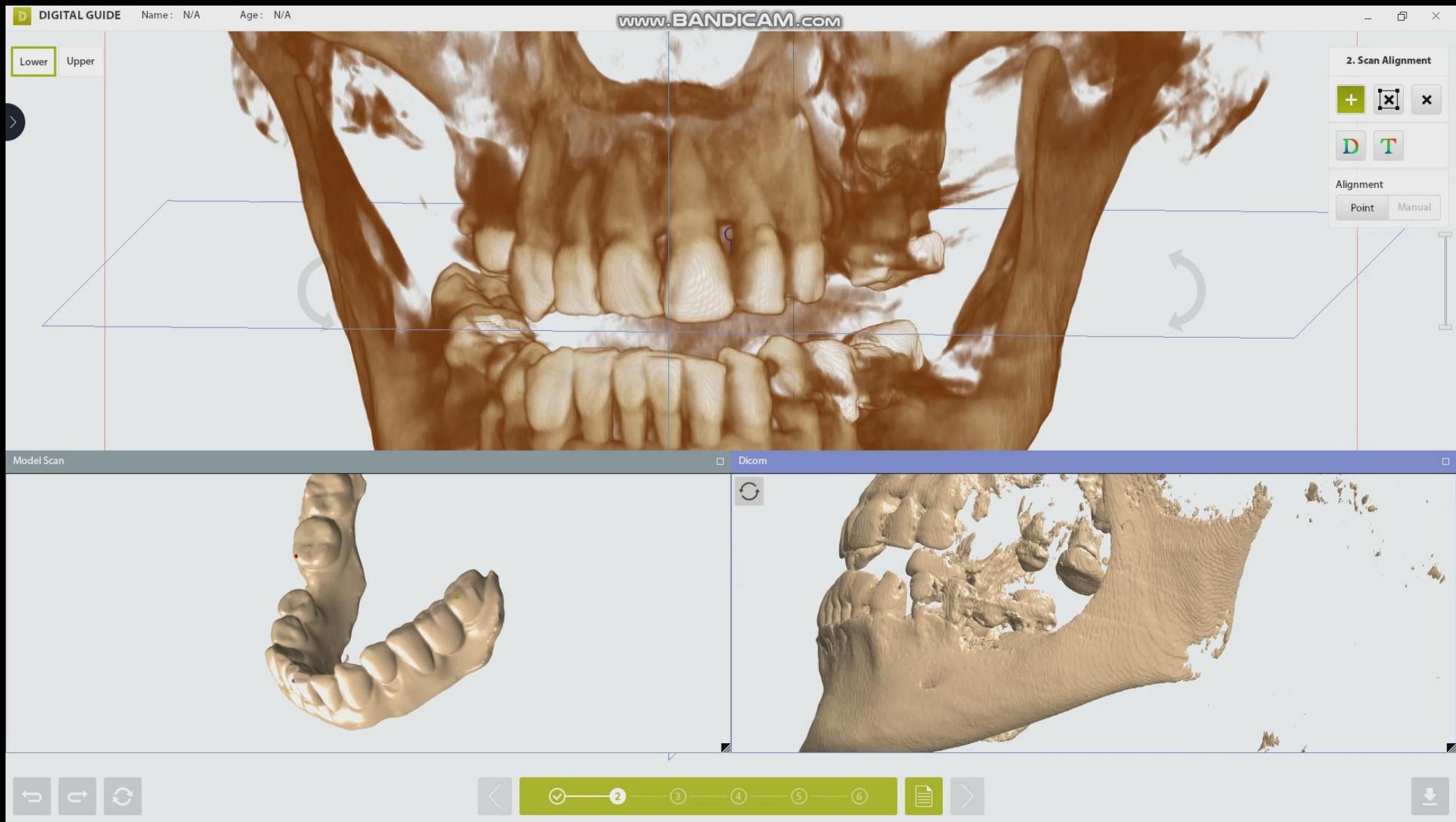
- Implant placement using Digital Guide :  
#14, 15, 17, 24, 25, 45 and 46
- Sinus elevation : Mx Lt side
- Buccal augmentation : Mx and Mn Rt side



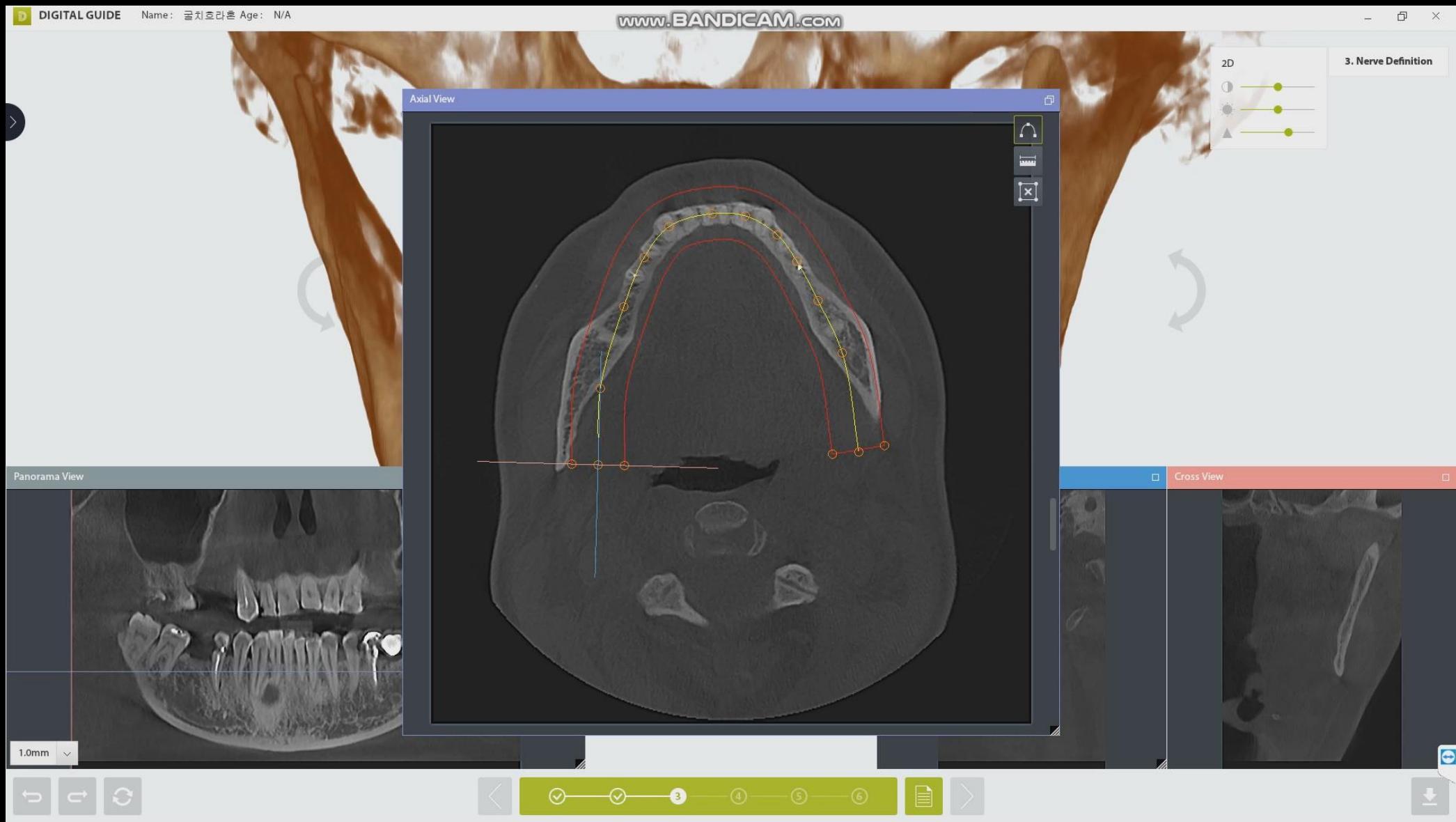
# Intra Oral Scanning



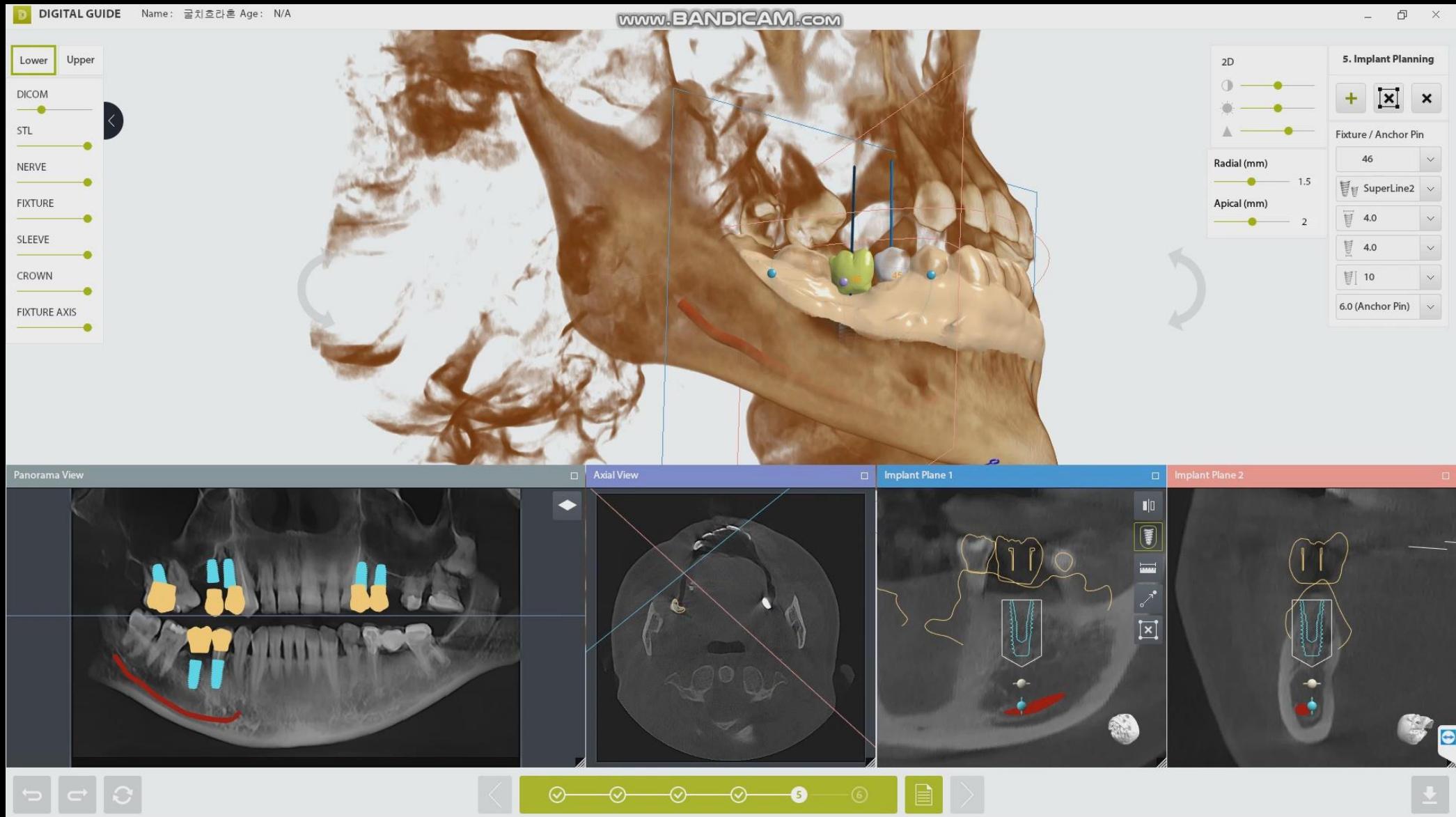
# Digital Guide (Dentium Digital Guide software)



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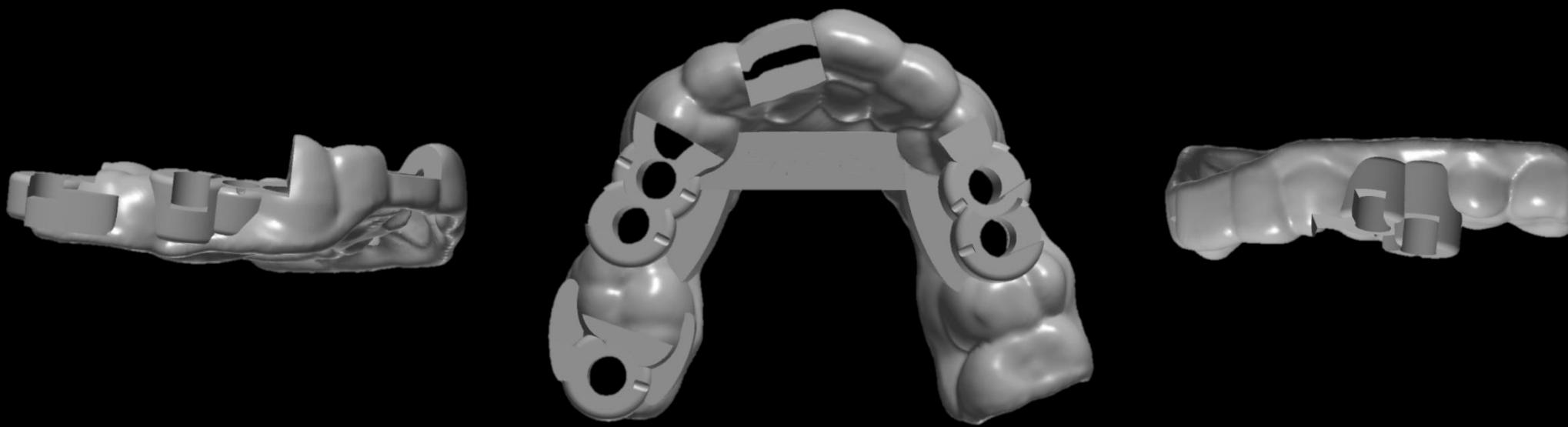
# Digital Guide (Dentium Digital Guide software)



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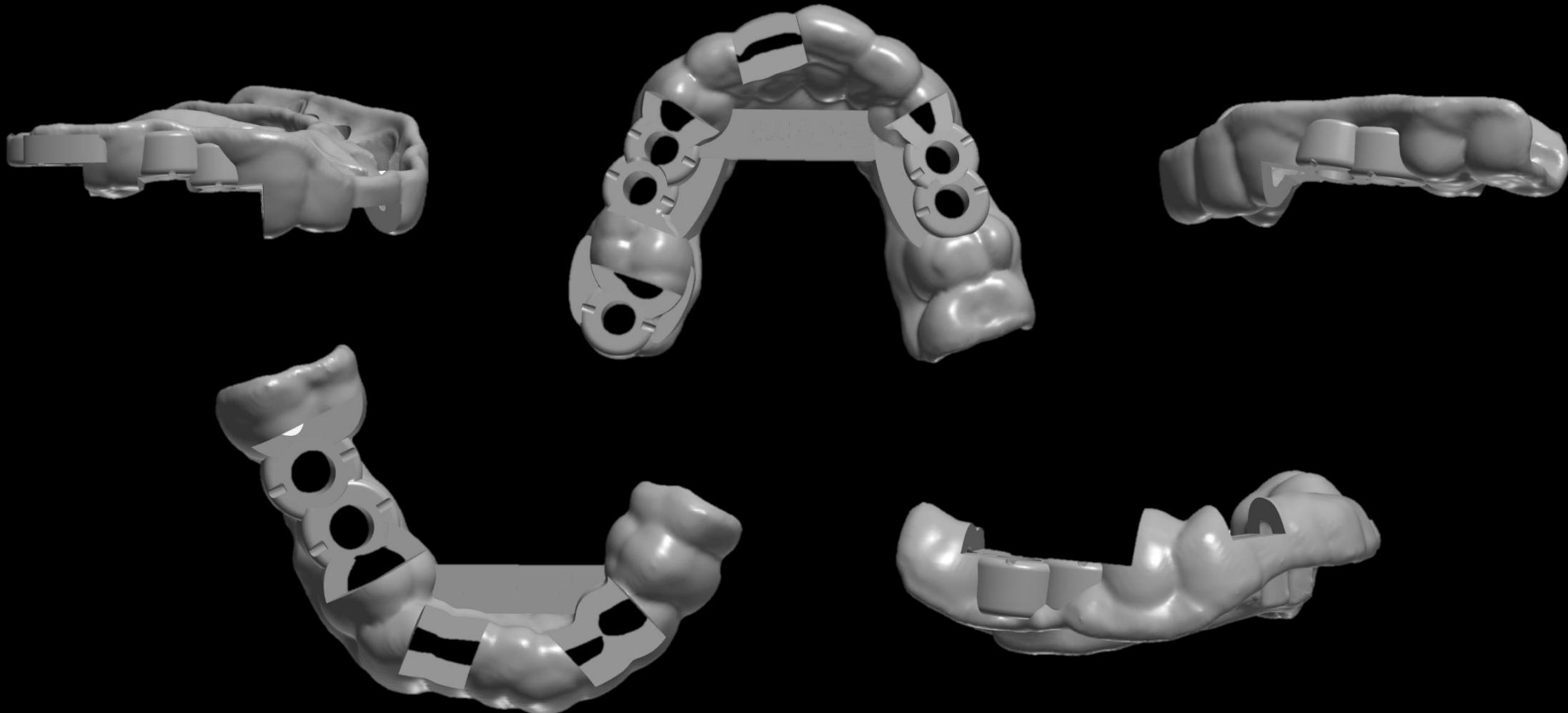
# Digital Guide (Stent Design\_Sinus floor rim)



# Digital Guide (Stent\_Sinus floor rim)



# Digital Guide (Stent Design\_Fixture installation)



# Digital Guide (Stent\_Fixture installation)



## Similar case presentation (1)

- Bone augmentation & Implant placement using Digital Guide



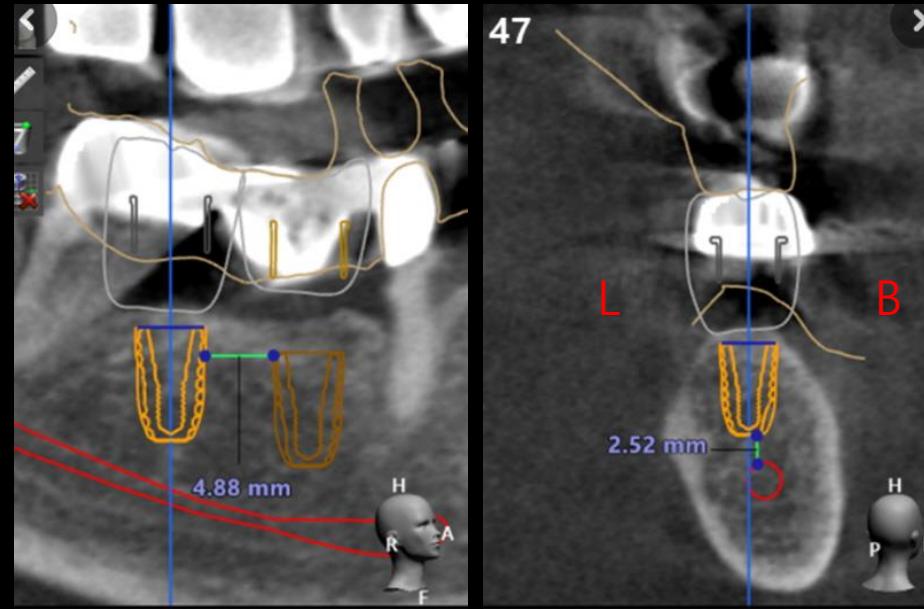
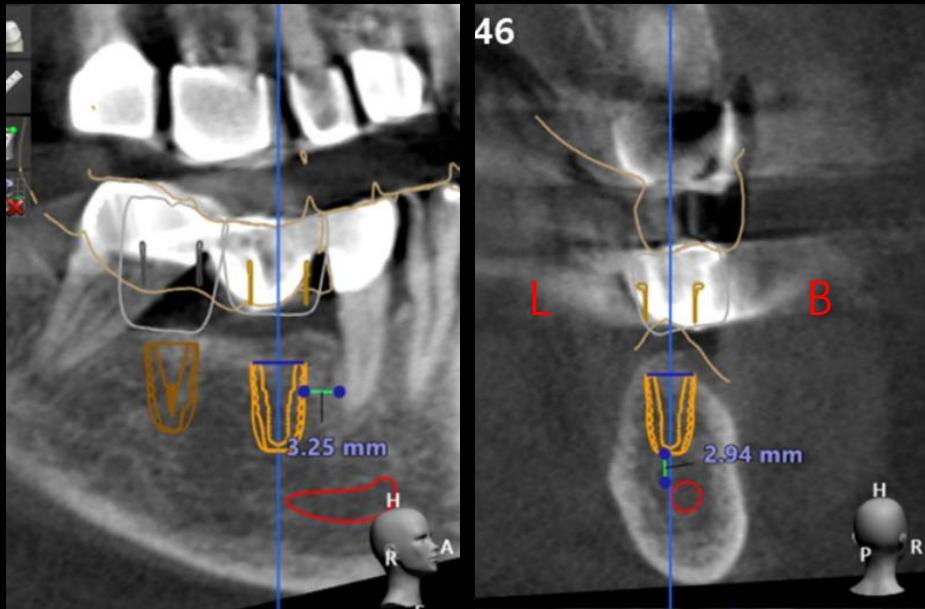
Pre-op



Final prosthesis

# Similar case presentation (1)

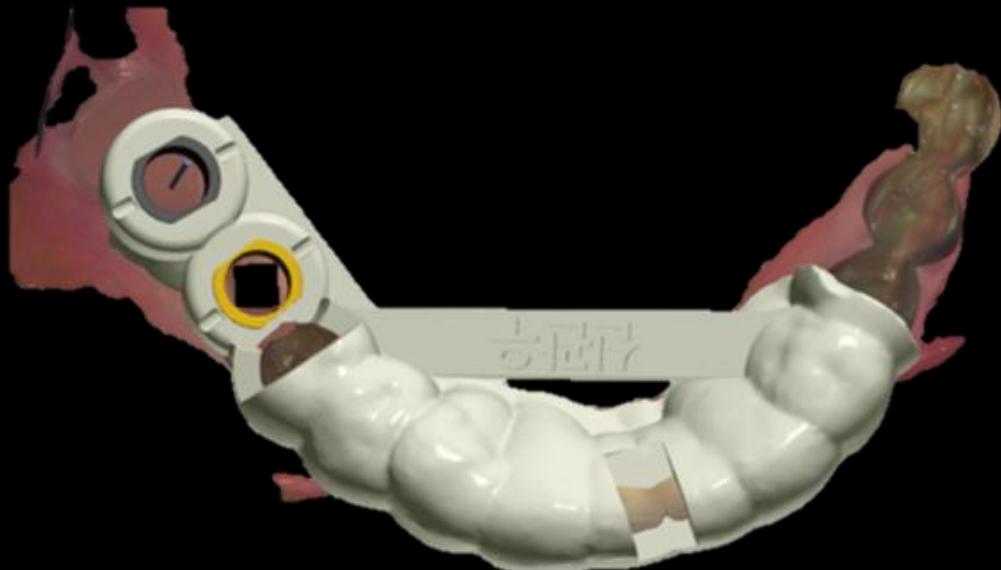
- Bone augmentation &  
Implant placement using Digital Guide



Implant Planning

## Similar case presentation (1)

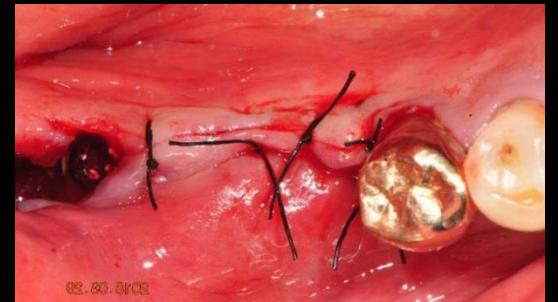
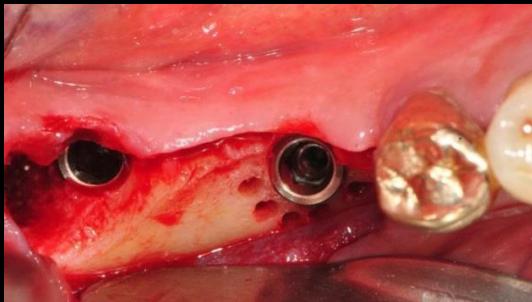
- Bone augmentation & Implant placement using Digital Guide



Stent Design

## Similar case presentation (1)

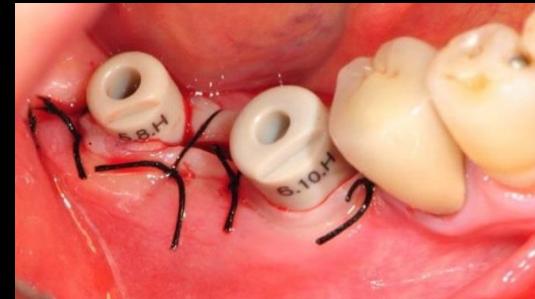
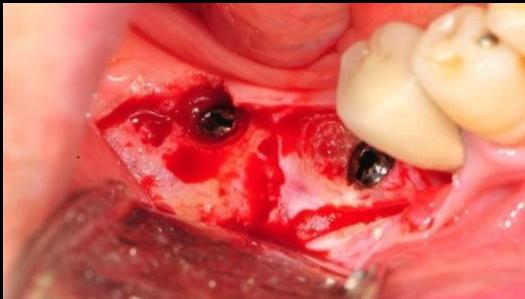
- Bone augmentation &  
Implant placement using Digital Guide



Surgery

## Similar case presentation (1)

- Bone augmentation & Implant placement using Digital Guide



Healing : 4 months / 2<sup>nd</sup> Surgery

Healing

## Similar case presentation (1)

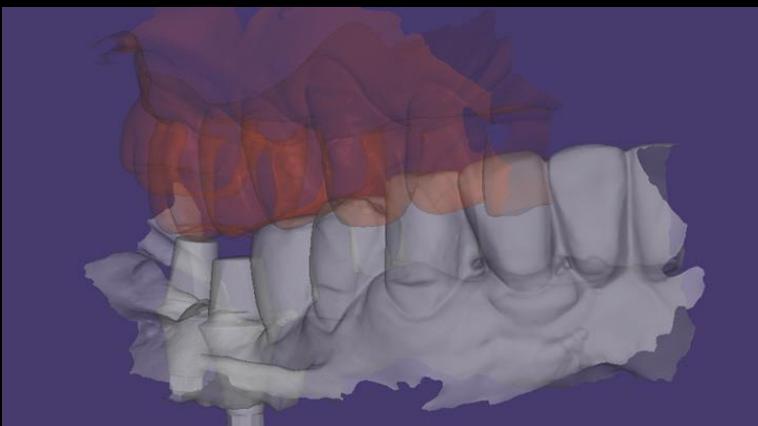
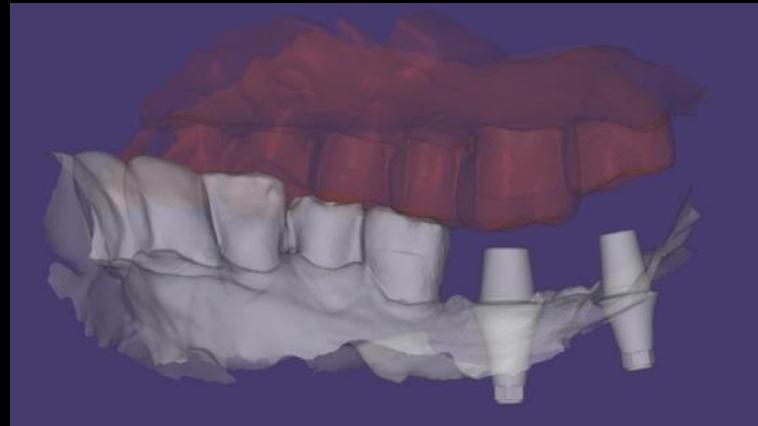
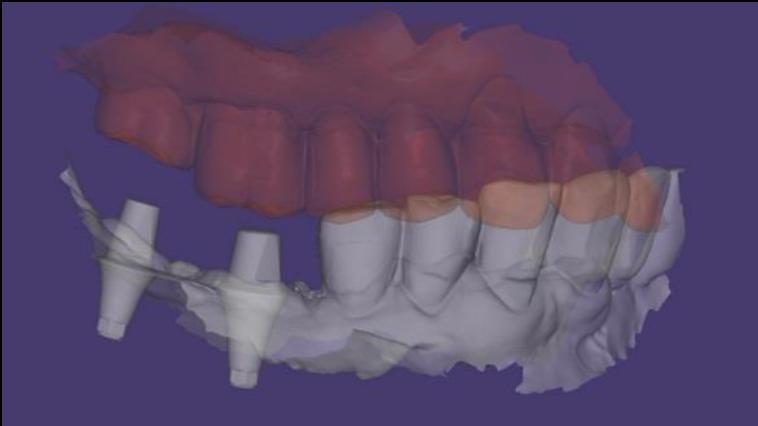
- Bone augmentation & Implant placement using Digital Guide



Intra Oral Scanning

## Similar case presentation (1)

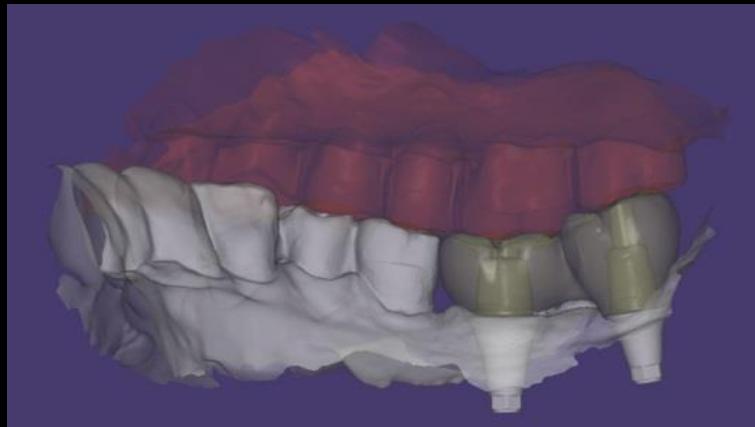
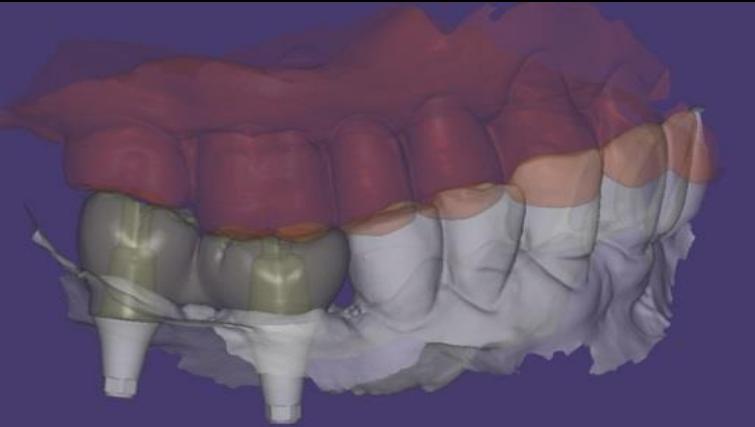
- Bone augmentation &  
Implant placement using Digital Guide



CAD (Customized abutment)

## Similar case presentation (1)

- Bone augmentation &  
Implant placement using Digital Guide



CAD (Final prosthesis)

## Similar case presentation (1)

- Bone augmentation & Implant placement using Digital Guide



Final prosthesis

## Similar case presentation (2)

- Hydraulic sinus elevation & Implant placement using Digital Guide



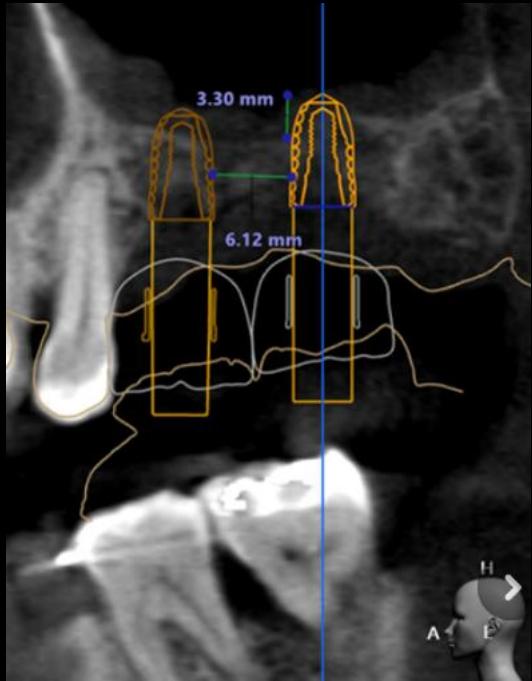
Oral-exam



Pre-op

## Similar case presentation (2)

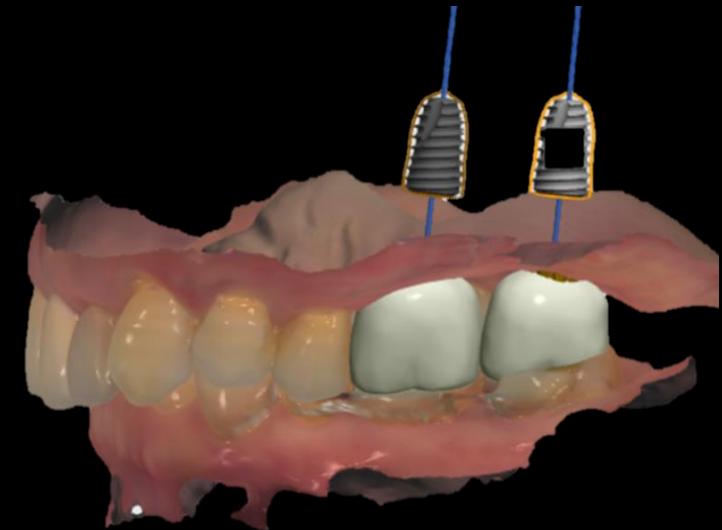
- Hydraulic sinus elevation & Implant placement using Digital Guide



Implant Planning



Intra Oral Scanning



## Similar case presentation (2)

- Hydraulic sinus elevation & Implant placement using Digital Guide



Surgery



Post-op

## Similar case presentation (2)

- Hydraulic sinus elevation & Implant placement using Digital Guide



Healing



2<sup>nd</sup> Surgery

## Similar case presentation (2)

- Hydraulic sinus elevation & Implant placement using Digital Guide



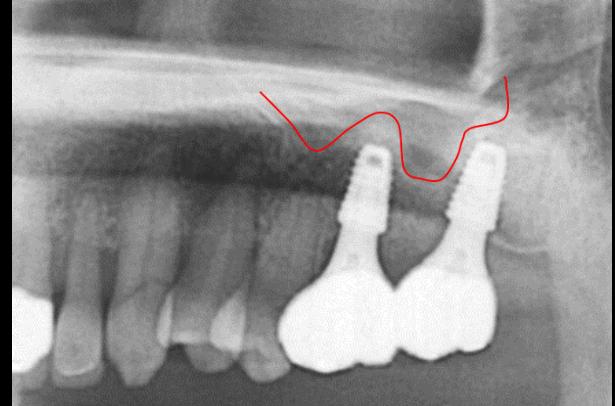
Scan Abutment



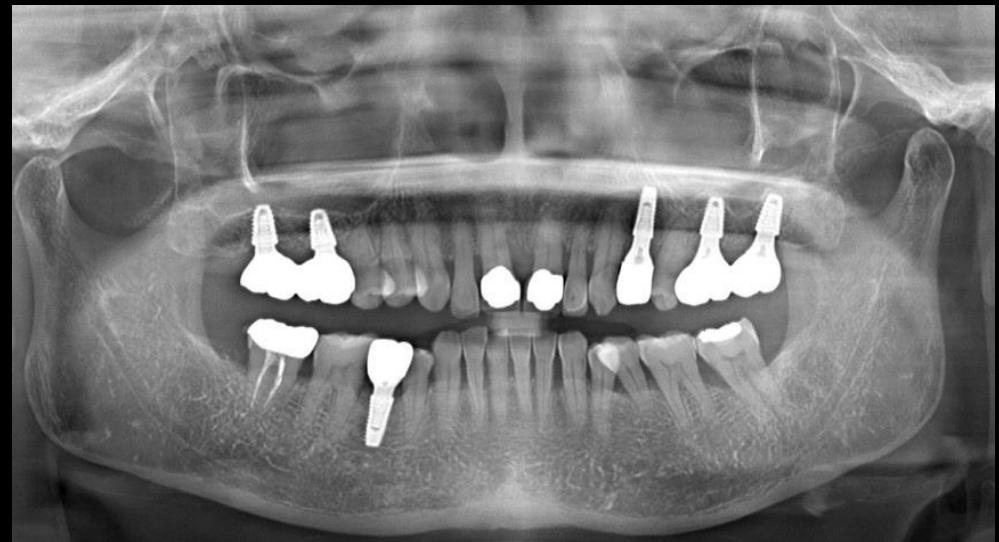
Final prosthesis

## Similar case presentation (2)

- Hydraulic sinus elevation & Implant placement using Digital Guide



Final prosthesis



Follow up : 10 months