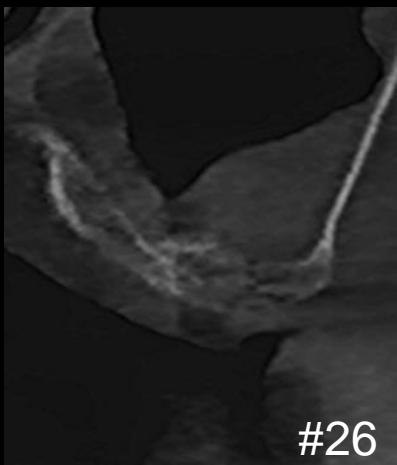




LIVE & Follow up

# Overcoming Sinus Membrane Perforation : Suturing the Torn Membrane



Dr. SM Chung  
2024.09.06. (Fri)

# Patient Information

**Age :** 64 / **Sex :** Male

## Chief Complaint

: My Upper teeth is continuous pain and I want implant for missing teeth



## Dental History

: #26 Extraction 10 months ago

#25 Endodontic treatment & Zirconia Crown delivery 9 months ago



## Medical History

: Colon Cancer Surgery

## Medication

: Thyroid medicine

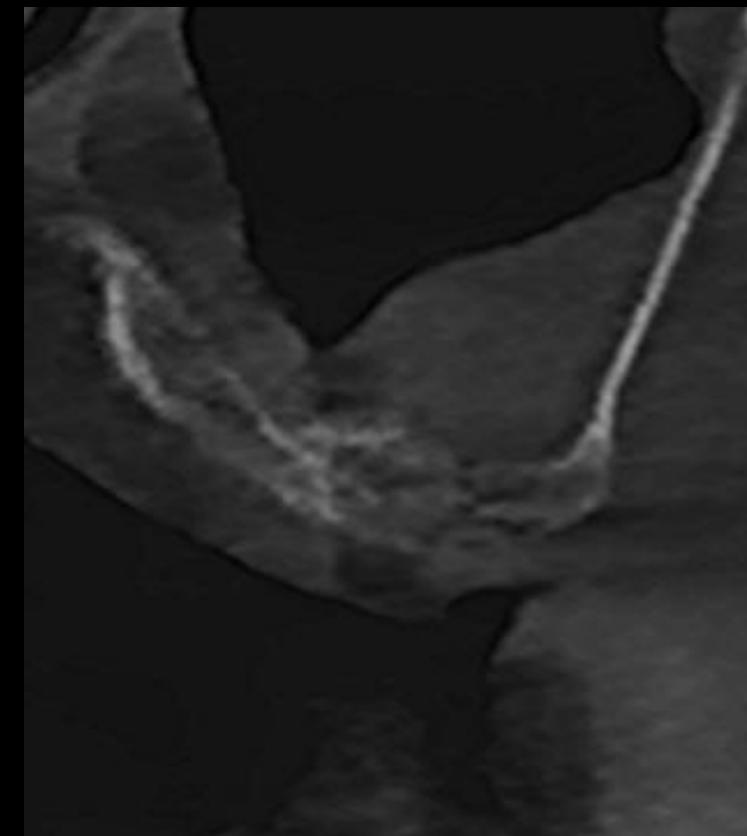
Pre-OP



Pre-op CT



#25



#26

Pre-op



## Surgery Plan (#25, 26)



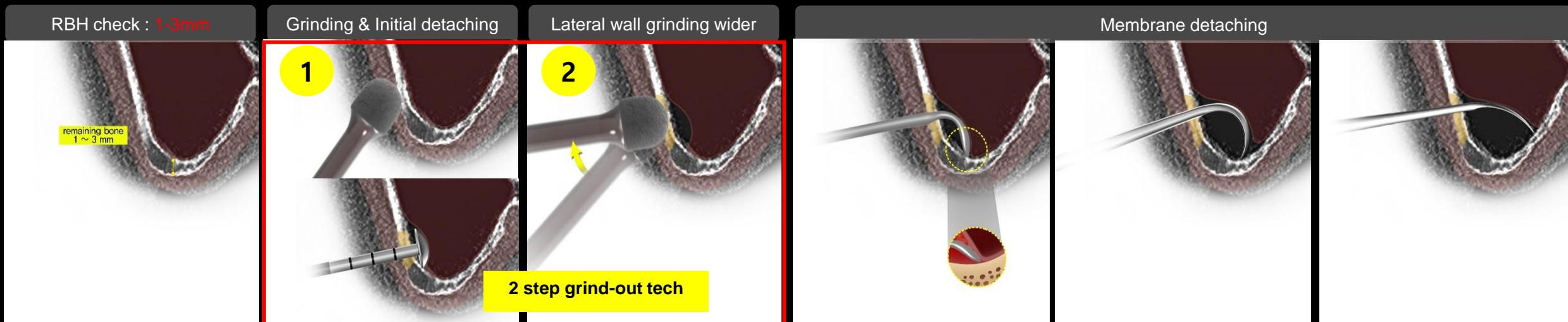
- Implantation on #25,26 using **bright Bone Level**
- Overcoming perforation areas with **Collagen Membrane 2 & OSTEON™ Xeno Collagen**

Sinus Simple

# Today's Surgery point

✓ 2 Step grinding-out technique

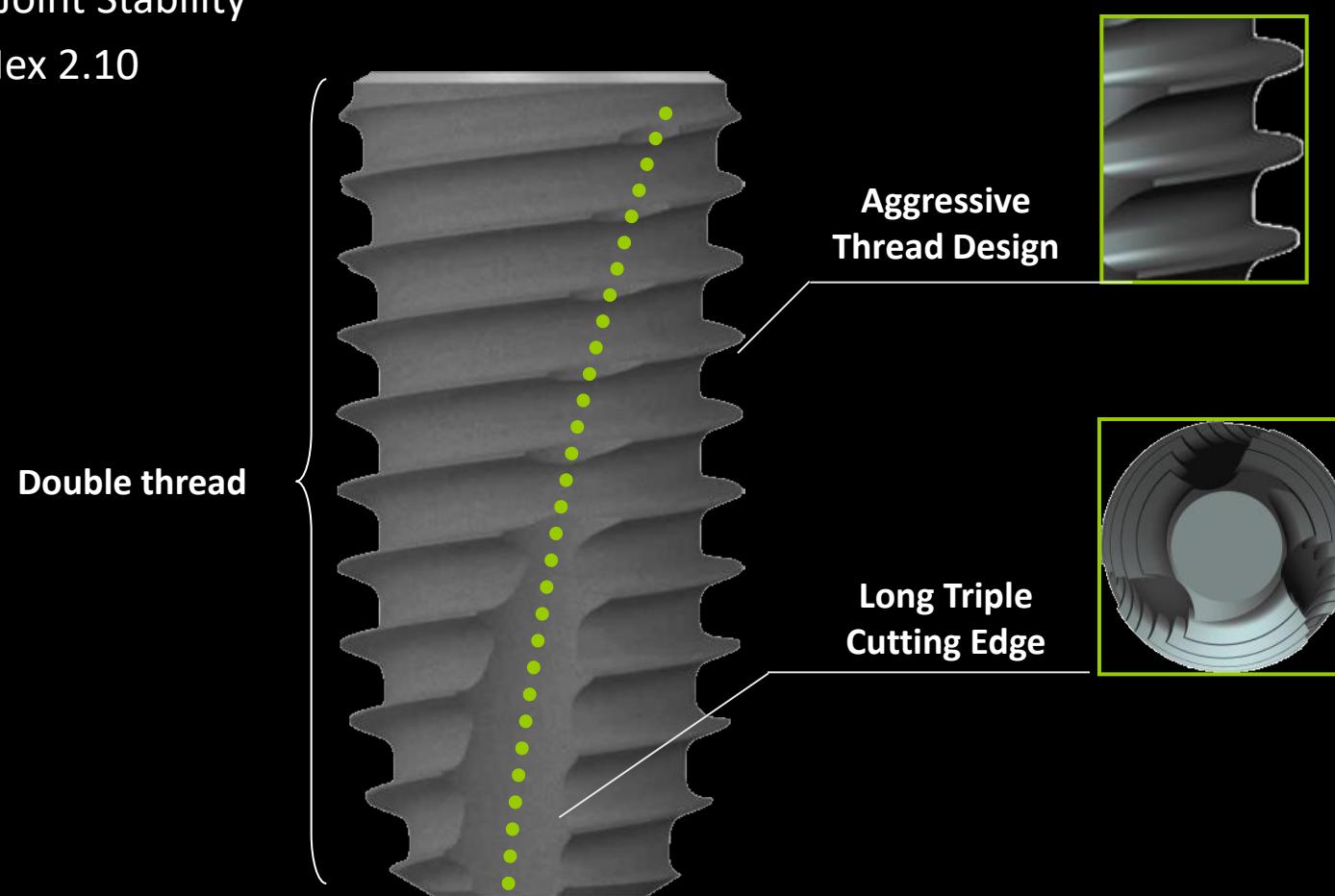
Minimization of perforation



# bright Bone Level

10° , 3.70 mm Deep Connection

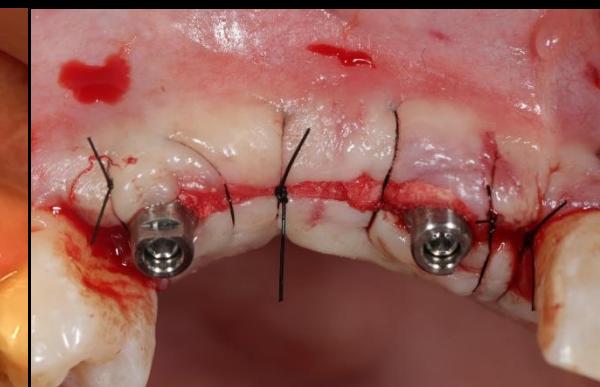
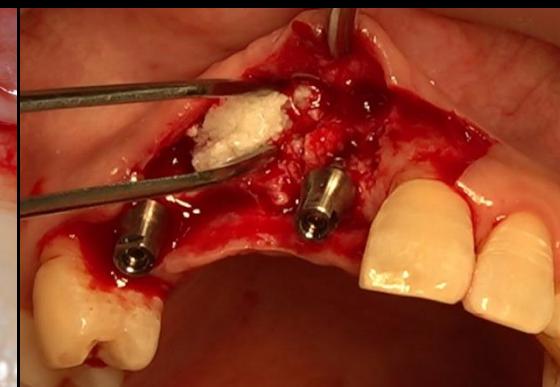
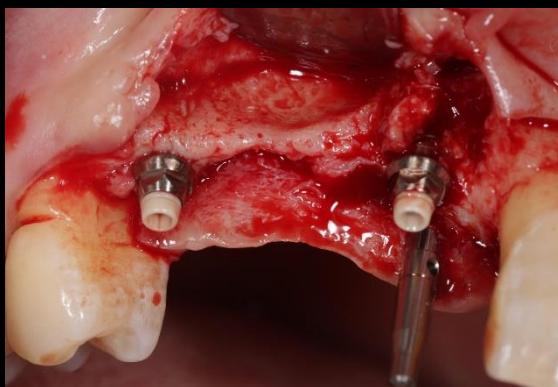
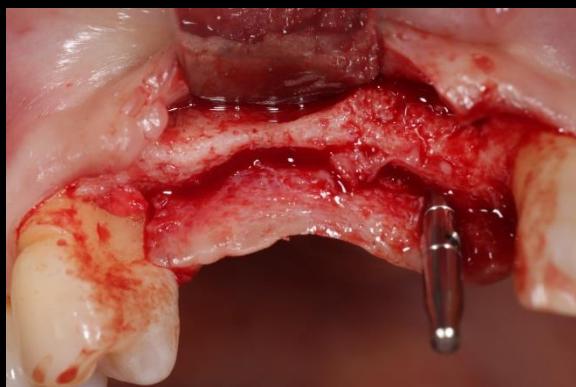
- Excellent Joint Stability
- Internal Hex 2.10



# OSTEON™ Xeno *Collagen*



- Ossification ability of Xeno graft
- Easy handling of collagenized bone graft
- Optimal collagen absorption speed

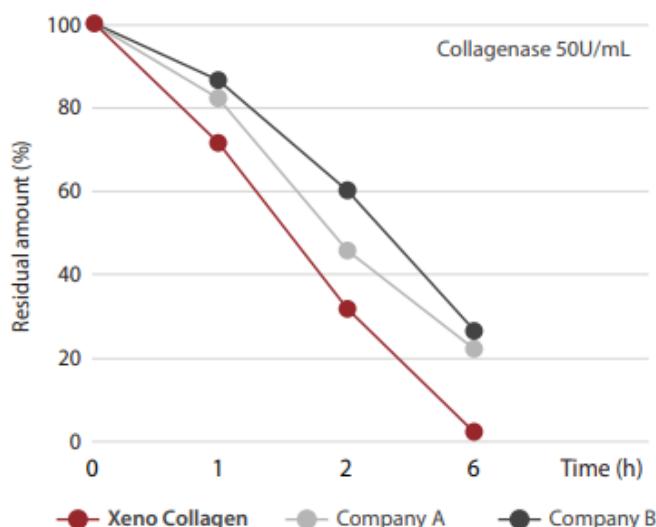


# OSTEON™ Xeno Collagen

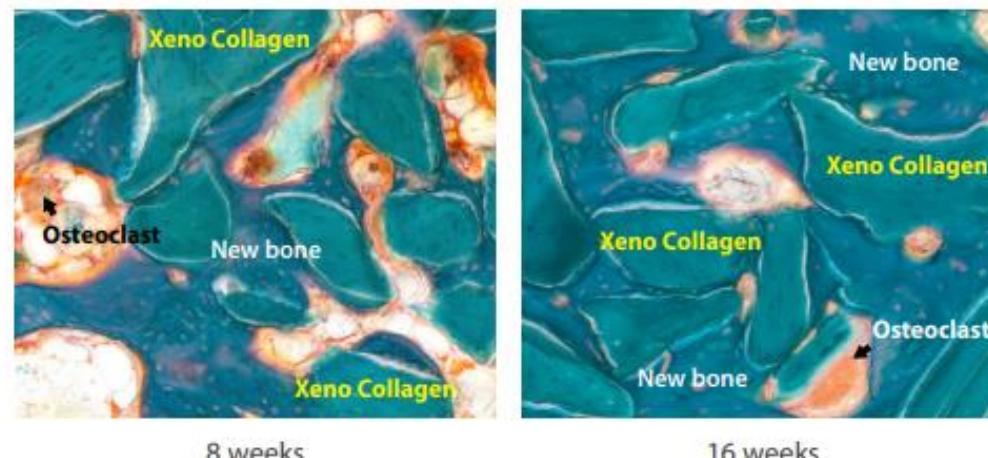


After hydration

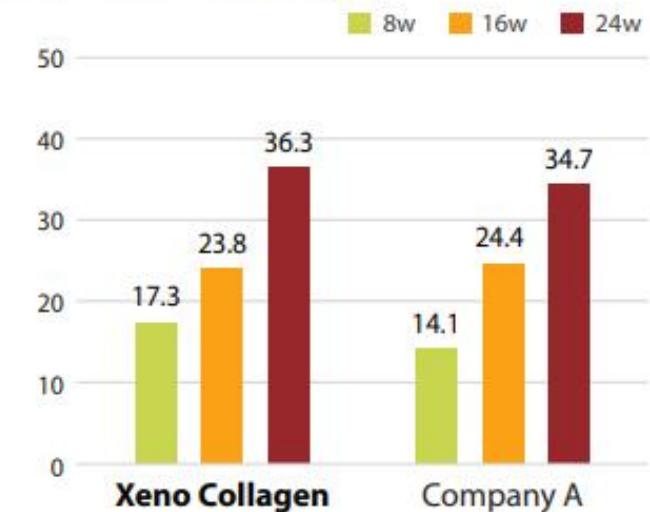
Collagen Degradation Rate



Animal Test  
Rabbit calvaria model

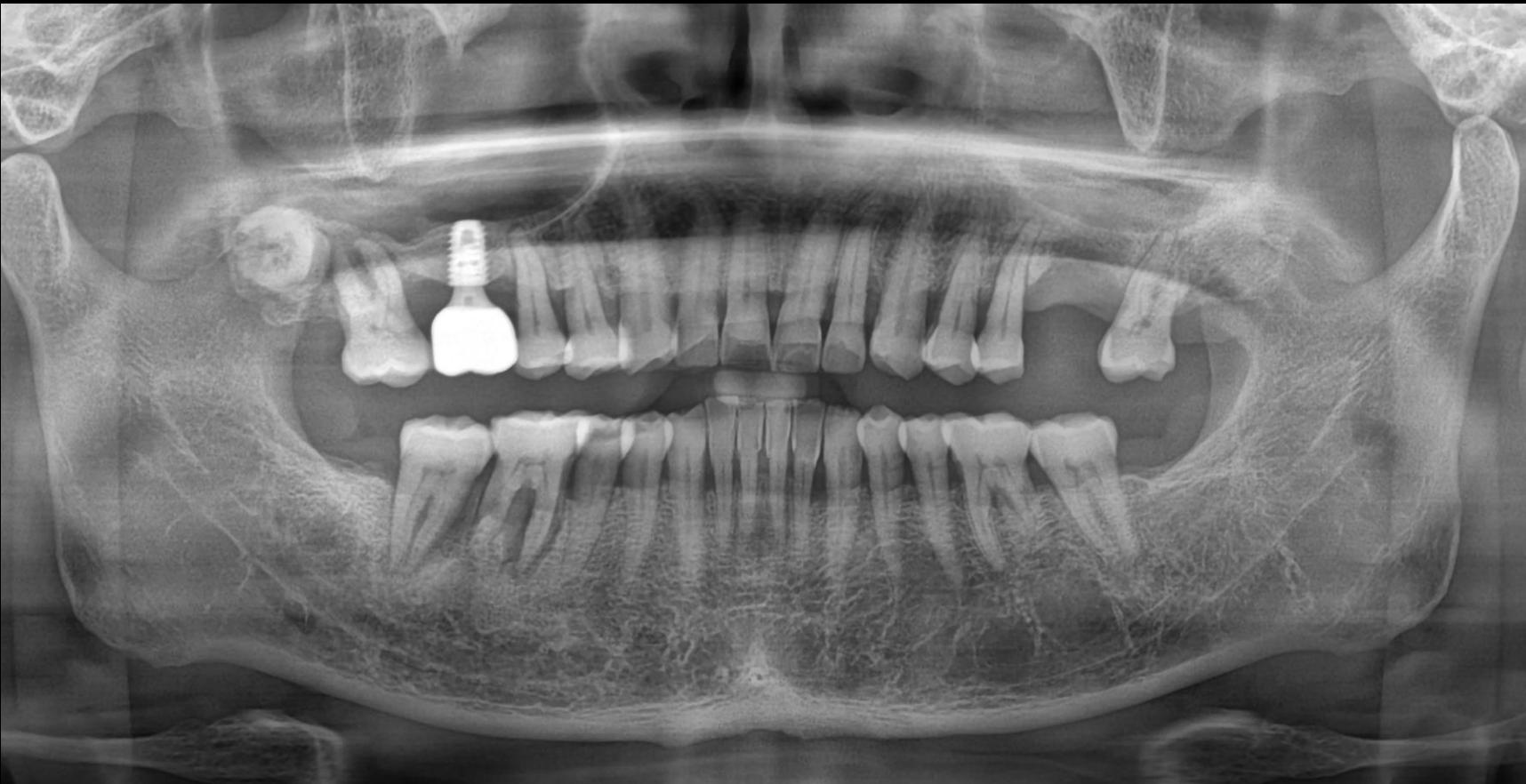


New Bone Volume (%)



**Similar case 1**

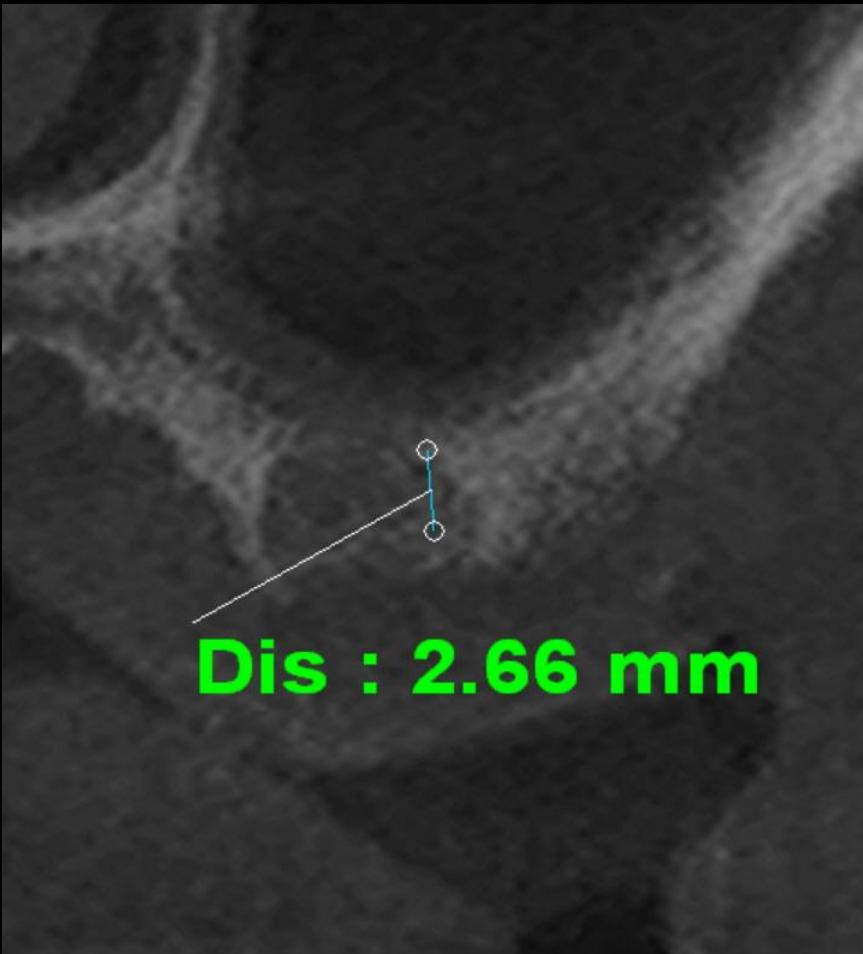
Overcoming perforation using DASK Simple



Pre-op

Similar case 1

Overcoming perforation using DASK Simple



Pre-op CT

Similar case 1

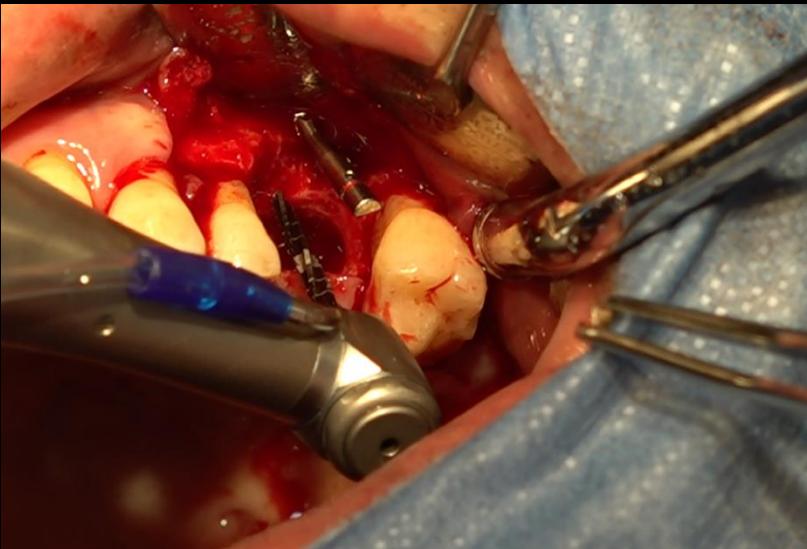
Overcoming perforation using DASK Simple



Pre-op

## Similar case 1

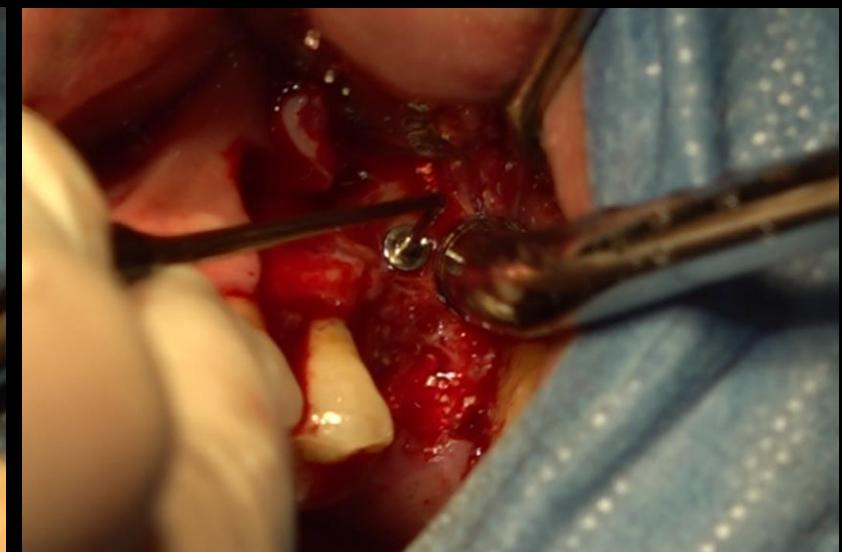
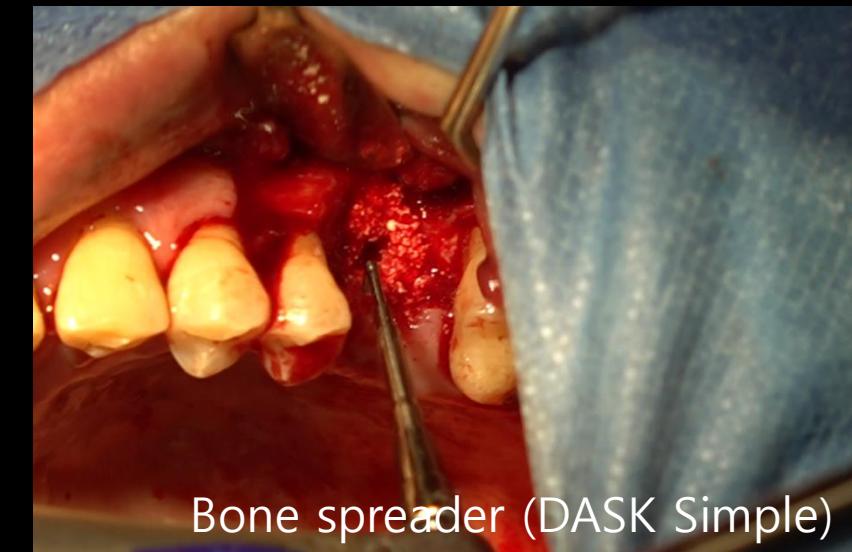
## Overcoming perforation using DASK Simple



Surgery

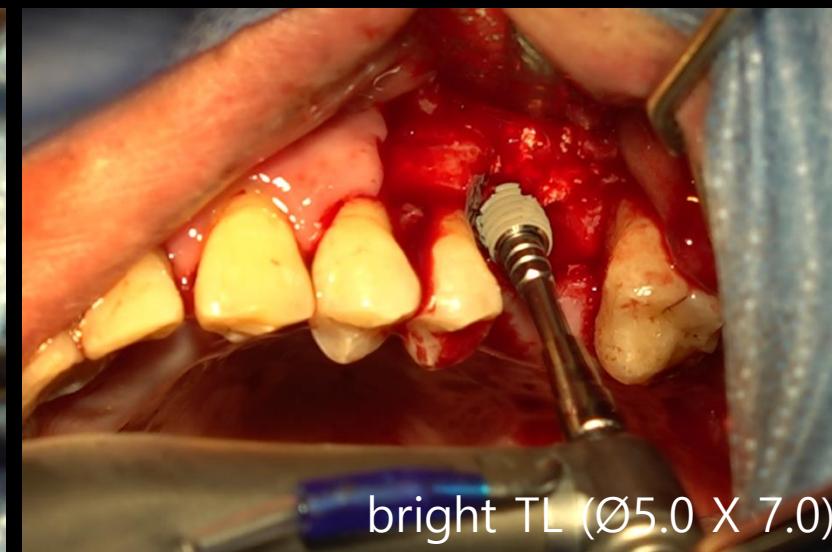
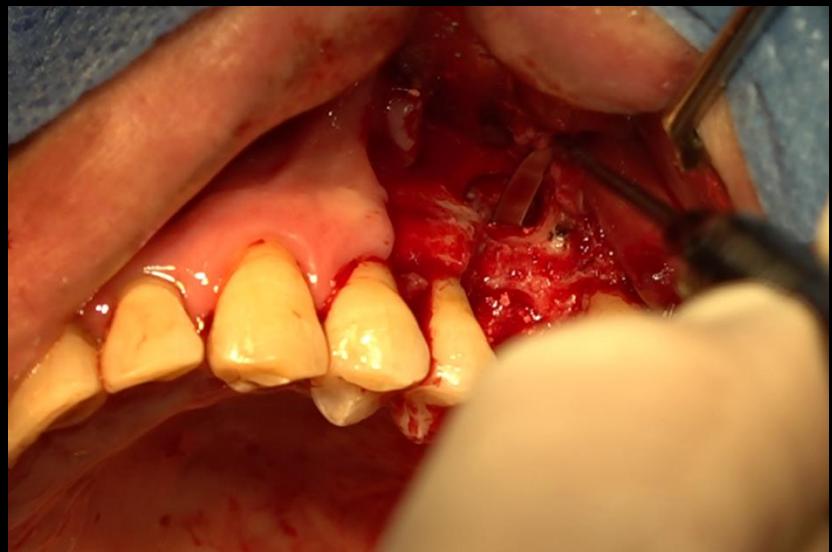
## Similar case 1

## Overcoming perforation using DASK Simple



Similar case 1

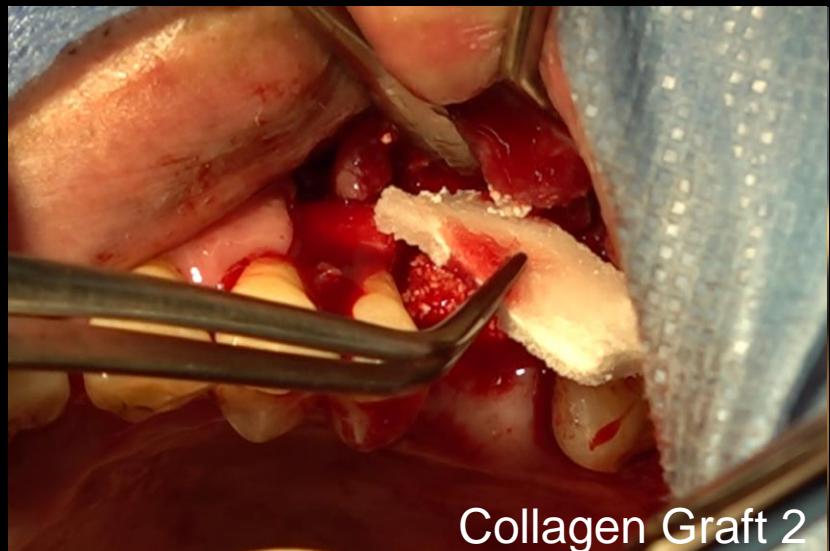
Overcoming perforation using DASK Simple



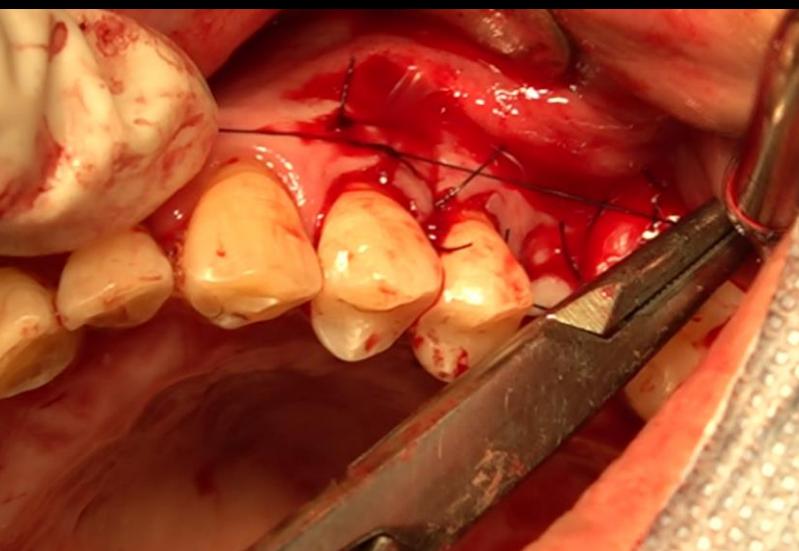
Surgery

Similar case 1

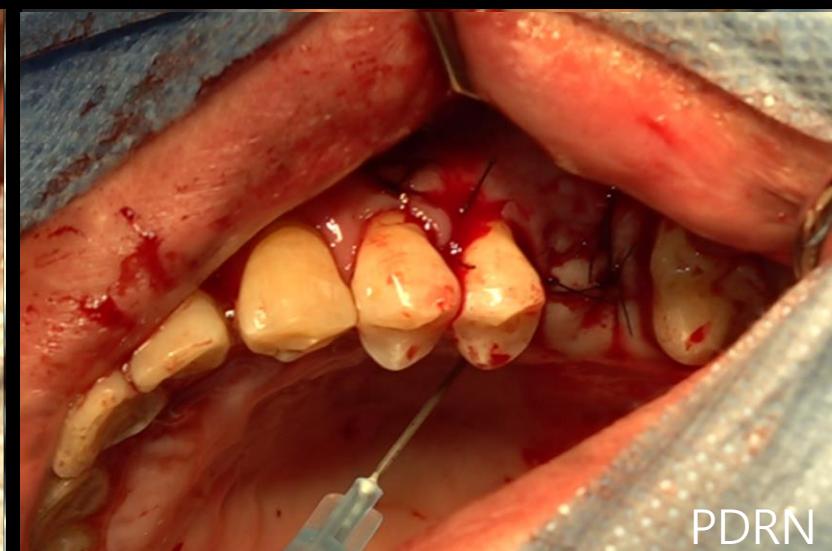
Overcoming perforation using DASK Simple



Collagen Graft 2



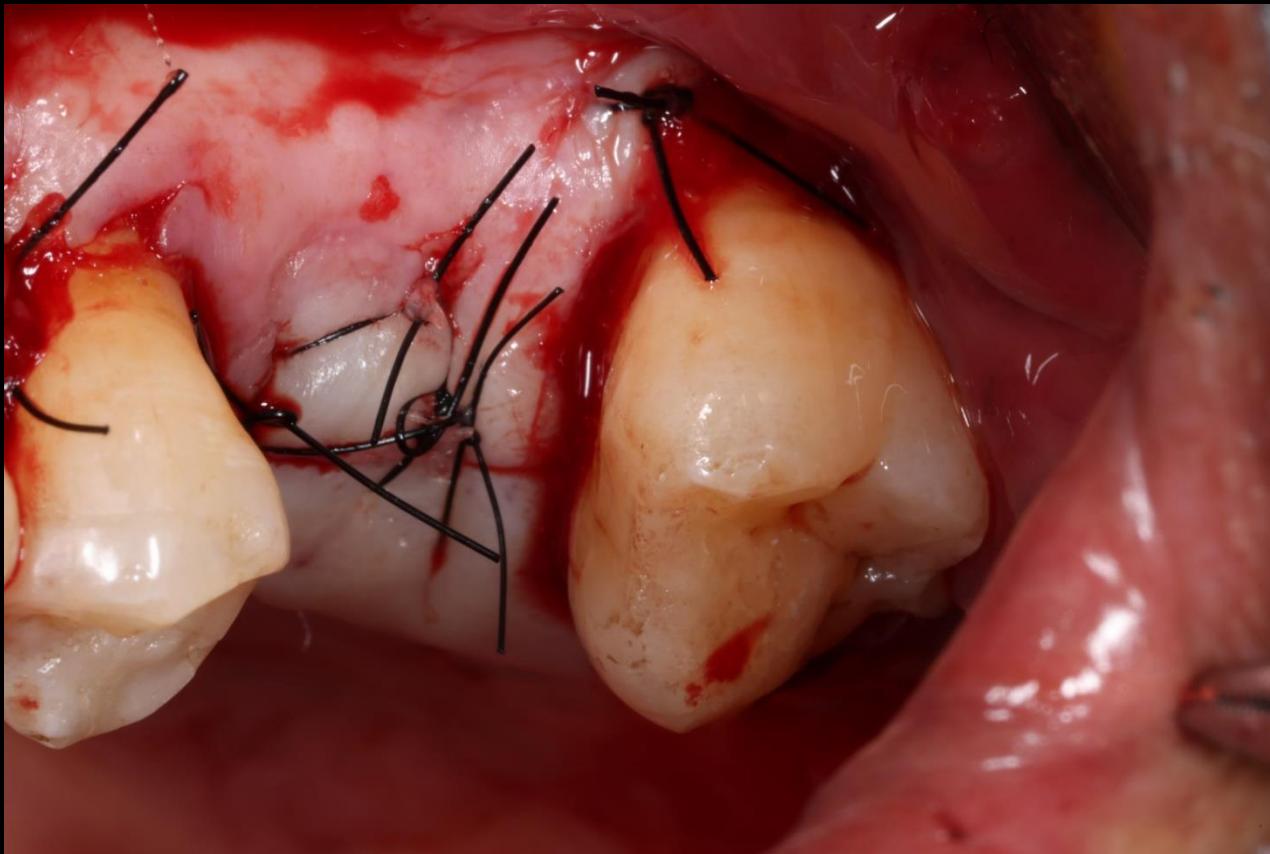
Surgery



PDRN

**Similar case 1**

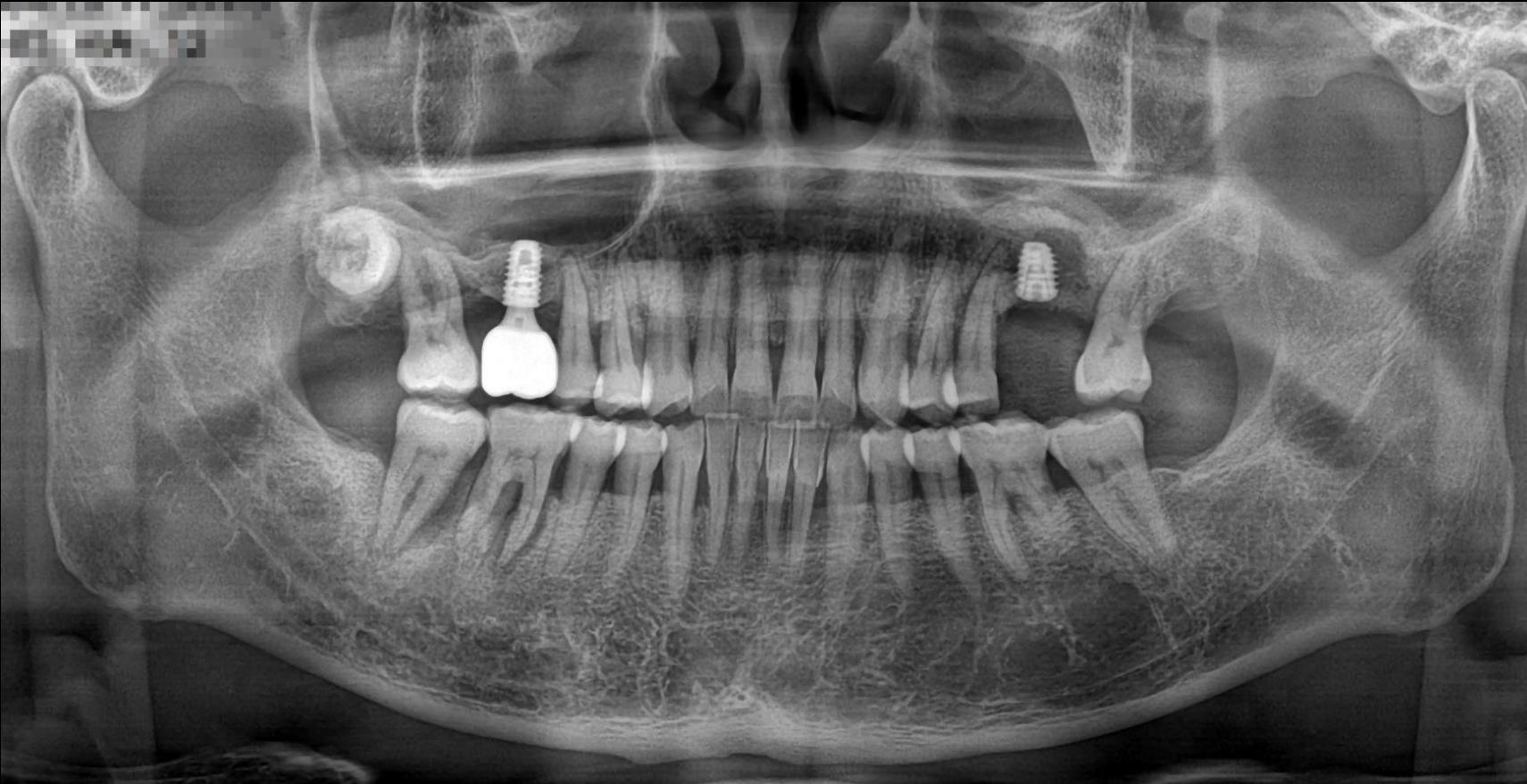
Overcoming perforation using DASK Simple



Post-op

**Similar case 1**

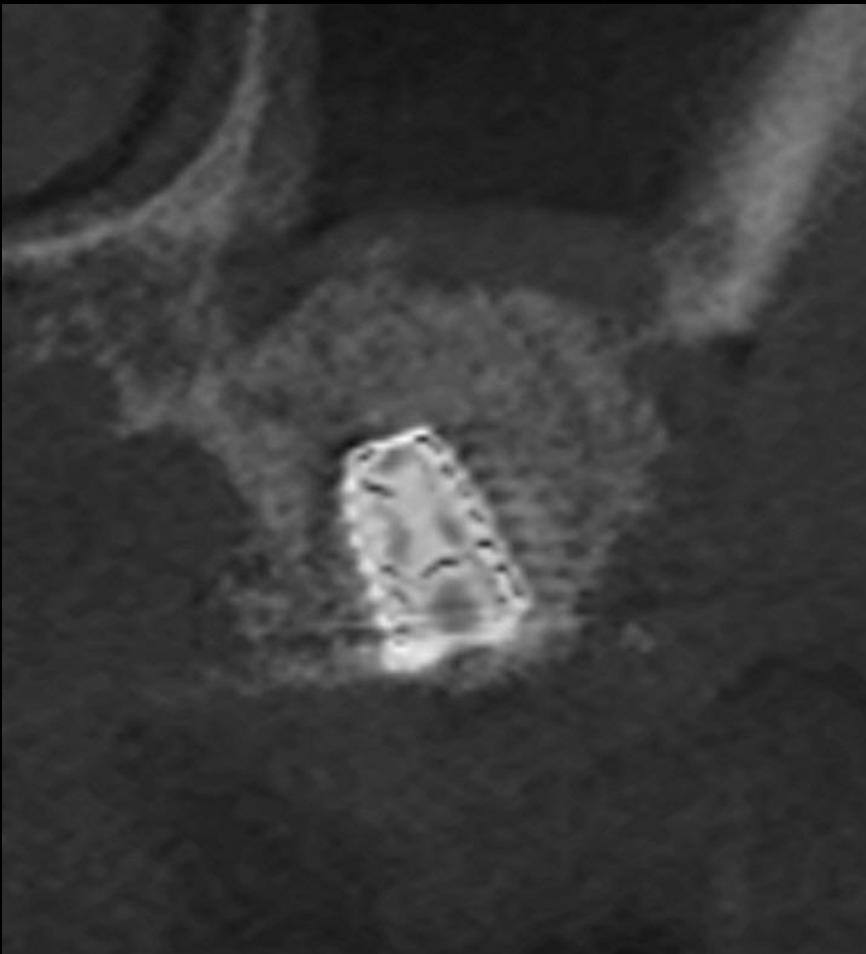
Overcoming perforation using DASK Simple



Post-op

**Similar case 1**

Overcoming perforation using DASK Simple



Post-op CT

**Similar case 1**

Overcoming perforation using DASK Simple



Healing 1 week

Similar case 1

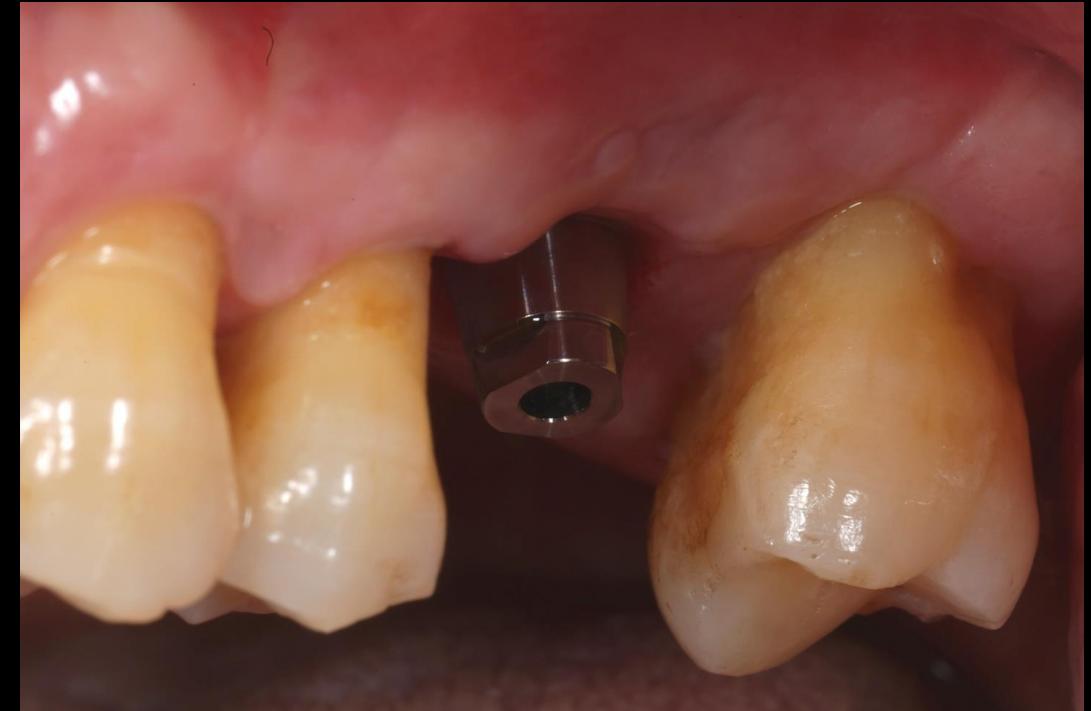
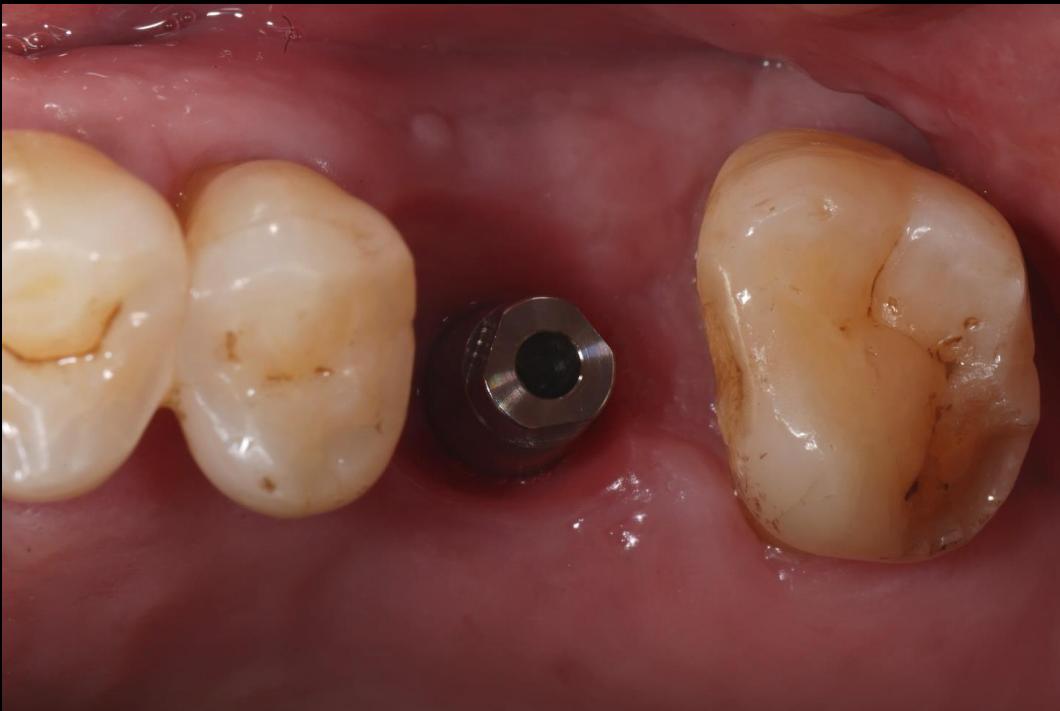
Overcoming perforation using DASK Simple



Provisional restoration

**Similar case 1**

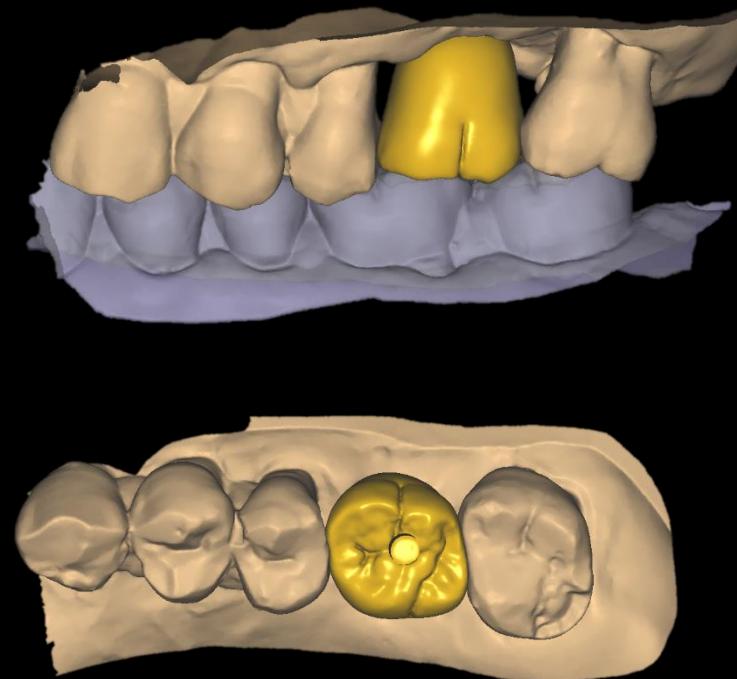
Overcoming perforation using DASK Simple



Final Impression with Digital abutment

Similar case 1

Overcoming perforation using DASK Simple



Final Impression (B.T.S) & CAD

**Similar case 1**

Overcoming perforation using DASK Simple



Milling / Coloring / Sintering / Glazing

Similar case 1

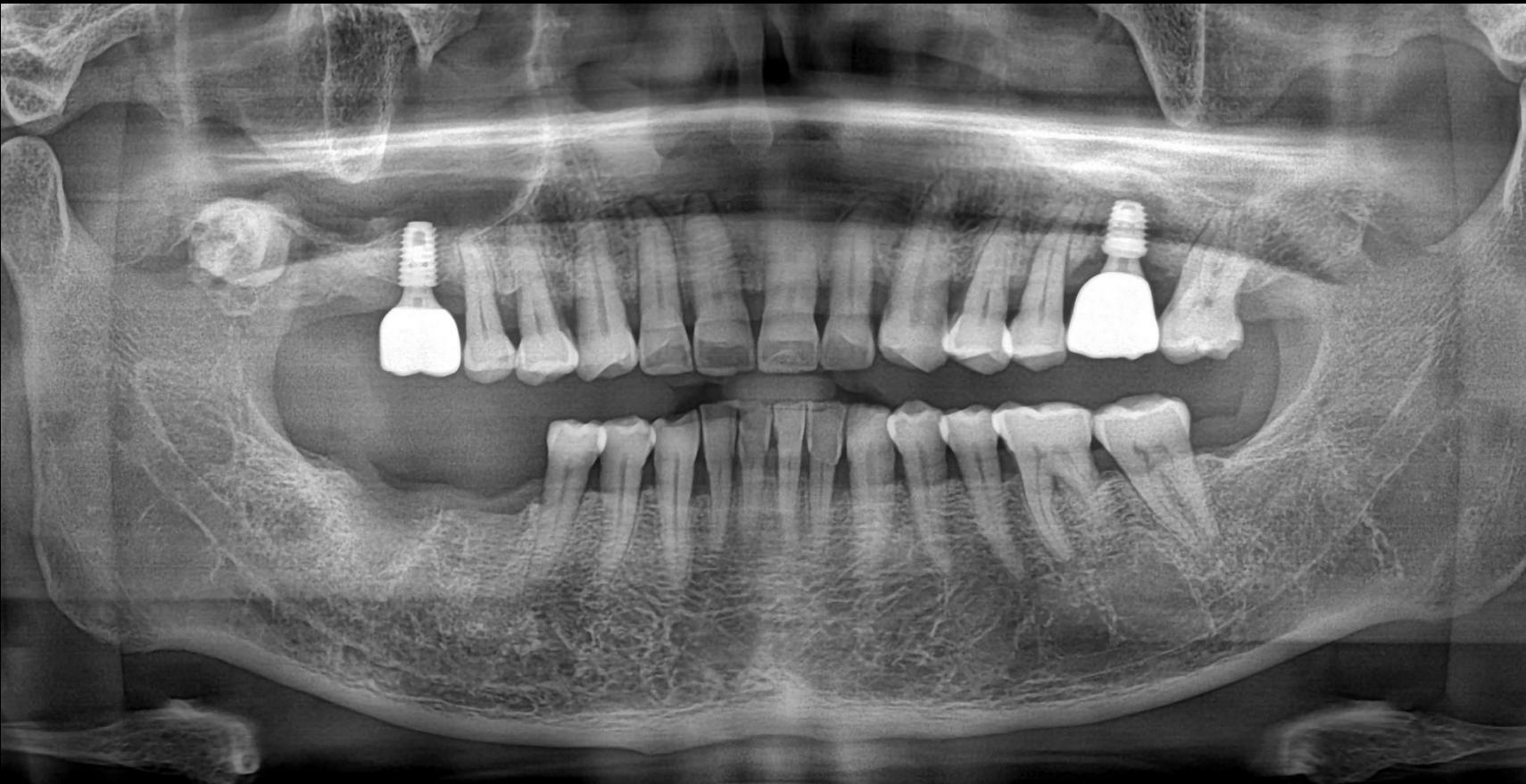
Overcoming perforation using DASK Simple



Final prosthesis

**Similar case 1**

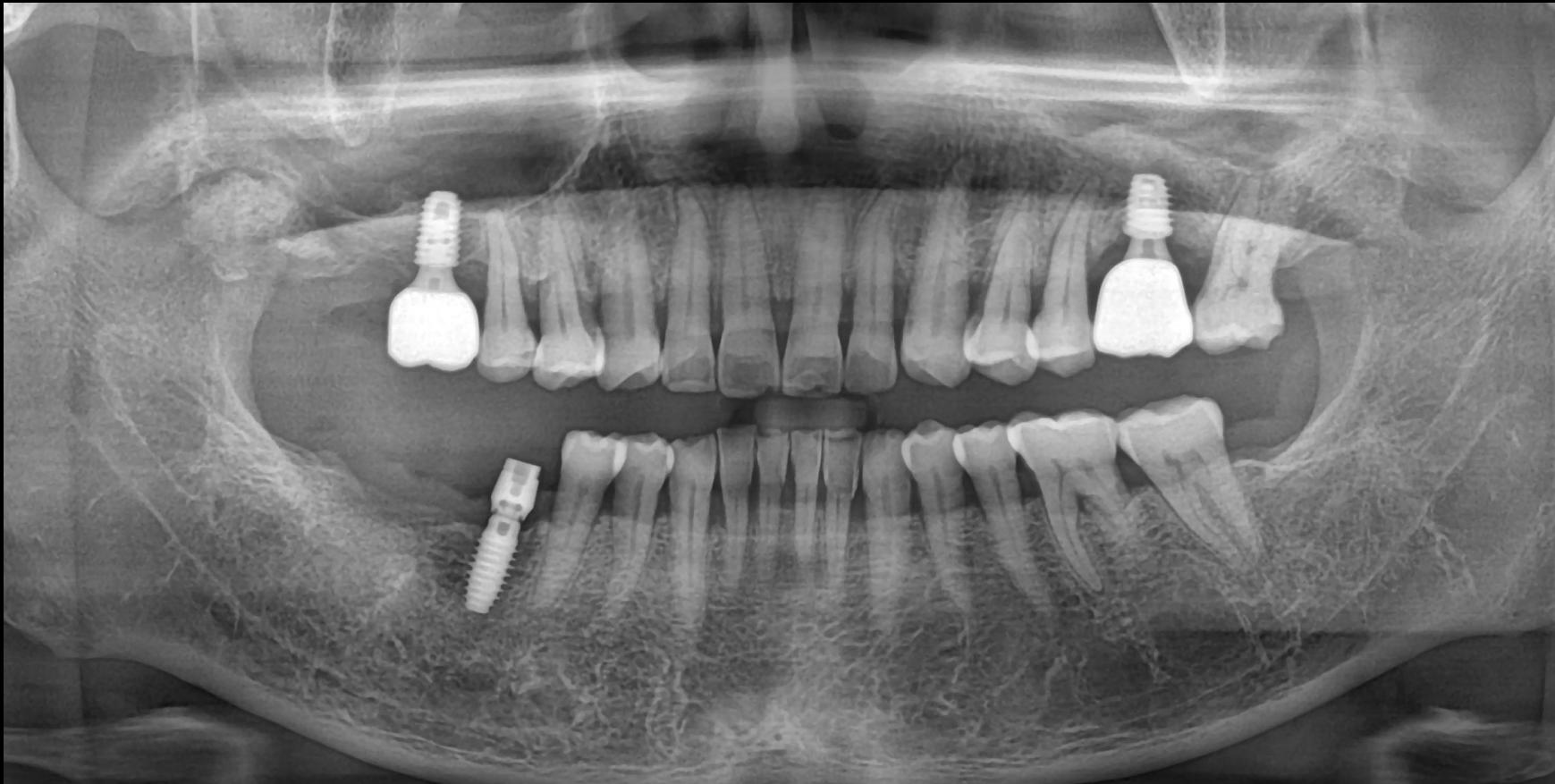
Overcoming perforation using DASK Simple



Final prosthesis

**Similar case 1**

Overcoming perforation using DASK Simple



Follow up : 4 months

