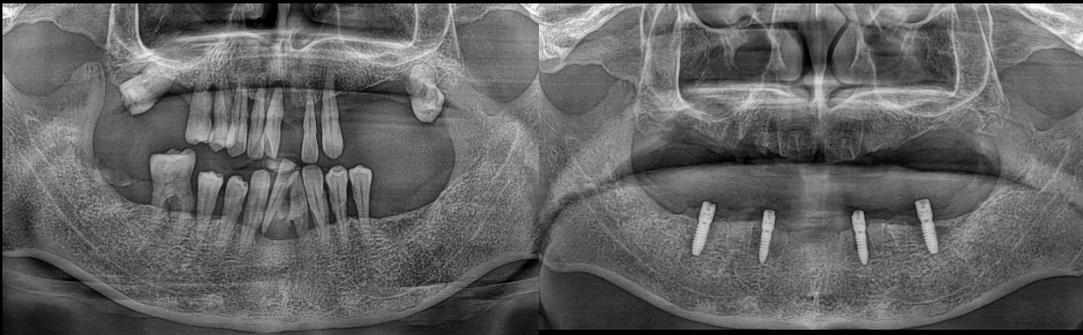


LIVE & Follow up

Full arch rehabilitation make easier through digital



Dr. SM Chung

2023.10.06. (Fri)

Patient Information

Age : 49

Sex : Male

Chief Complaint

: I want implantation on full mouth

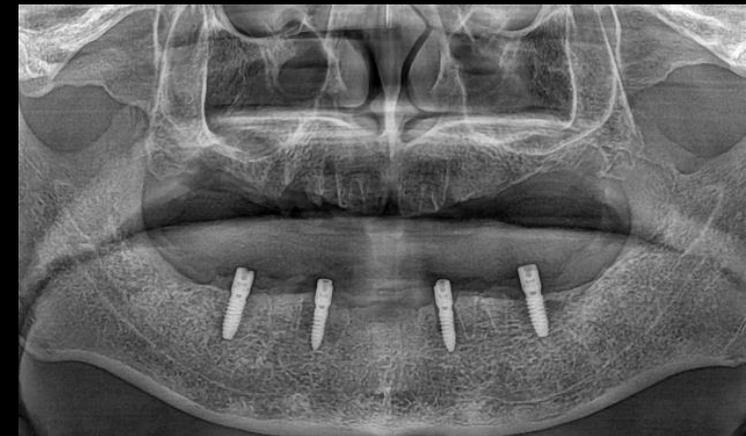
Past Dental History

: full arch ext before 1 week.

Lower arch immediate implantation before 1 week.

Past Medical History

: Heart stent transplants, diabetes, hyperlipidemia



Past Dental History

Mandible Implantation with denture guide



Pre-op

Past Dental History

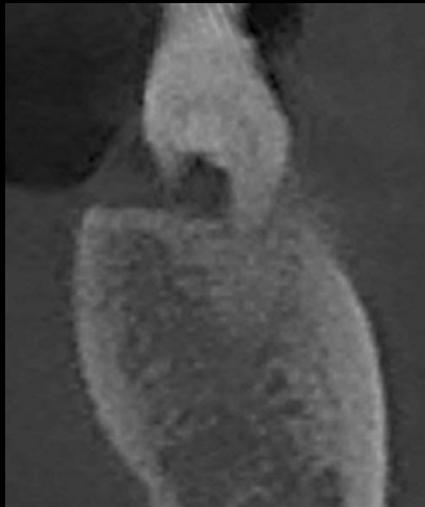
Mandible Implantation with denture guide



Pre-op

Past Dental History

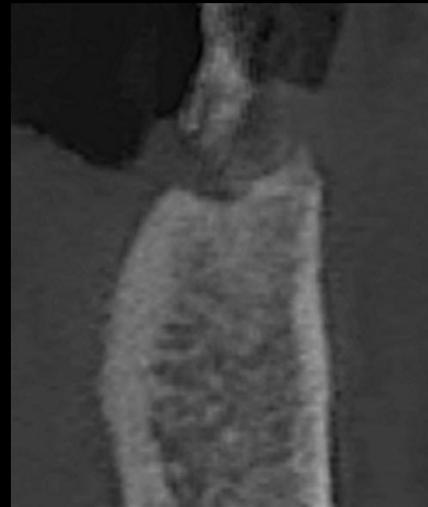
Mandible Implantation with denture guide



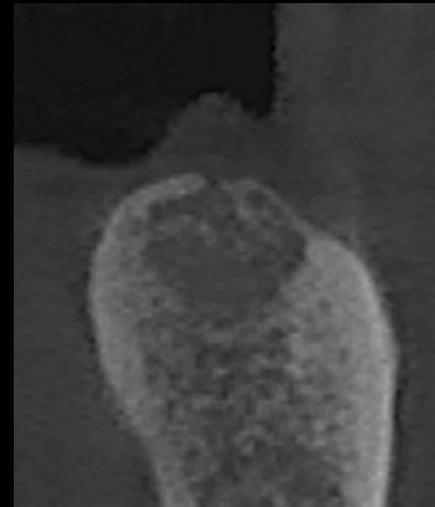
#46



#33



#43



#46

Pre-op CT

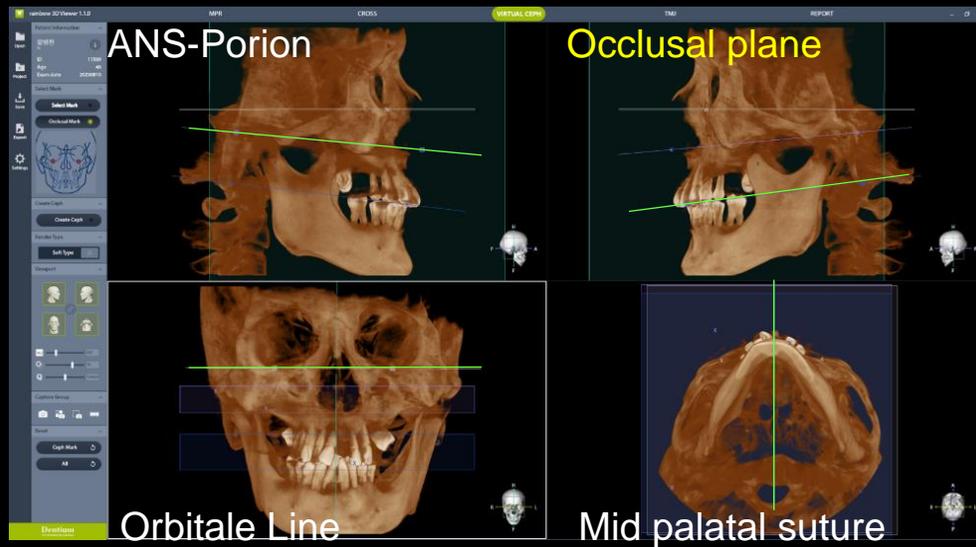
Past Dental History

Mandible Implantation with denture guide

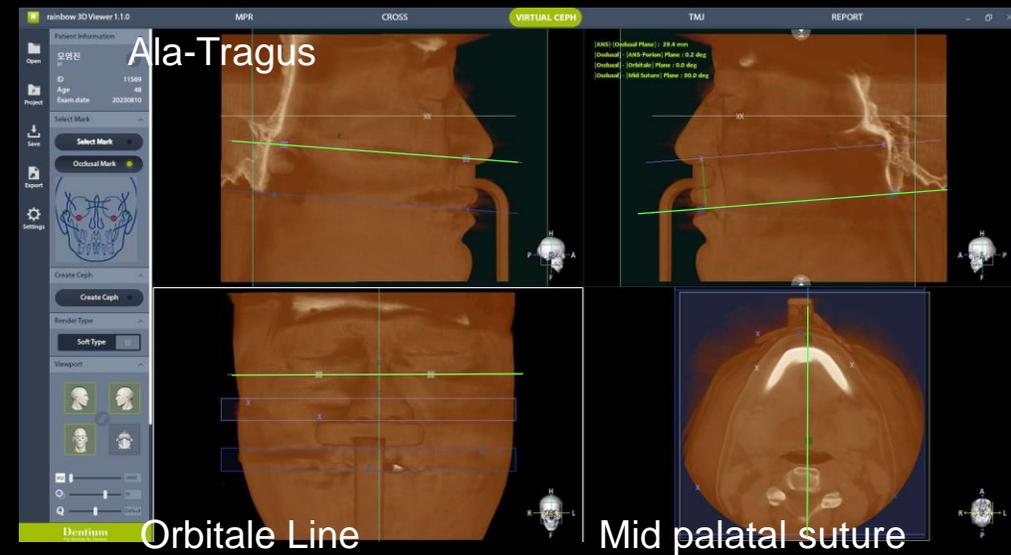
[Temporary denture making process]

Step 1 : Rainbow 3D viewer

Hard tissue

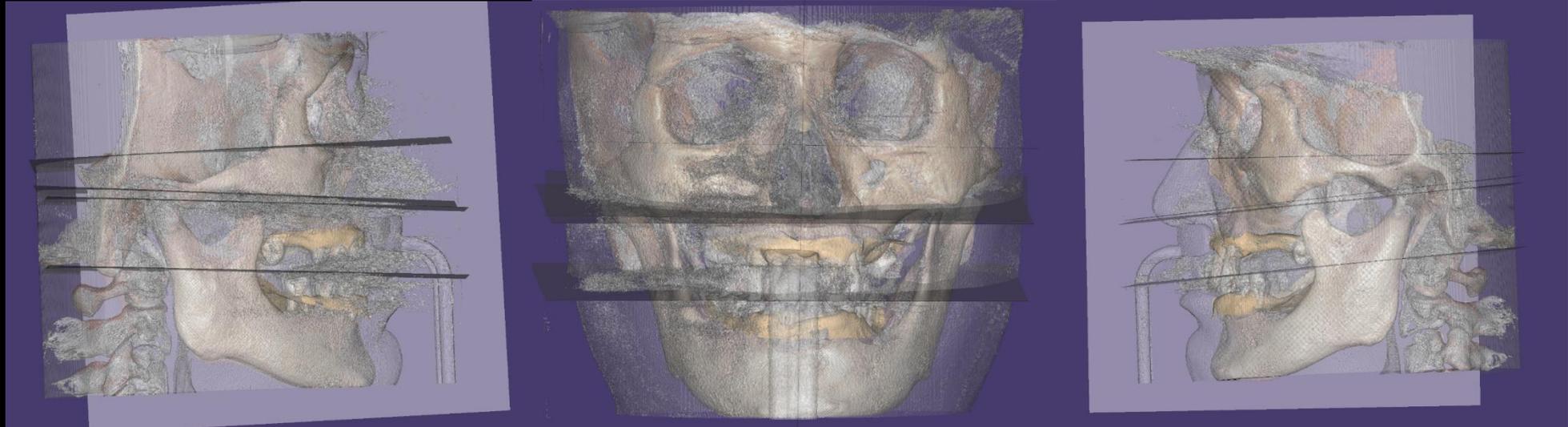


Soft tissue



[Temporary denture making process]

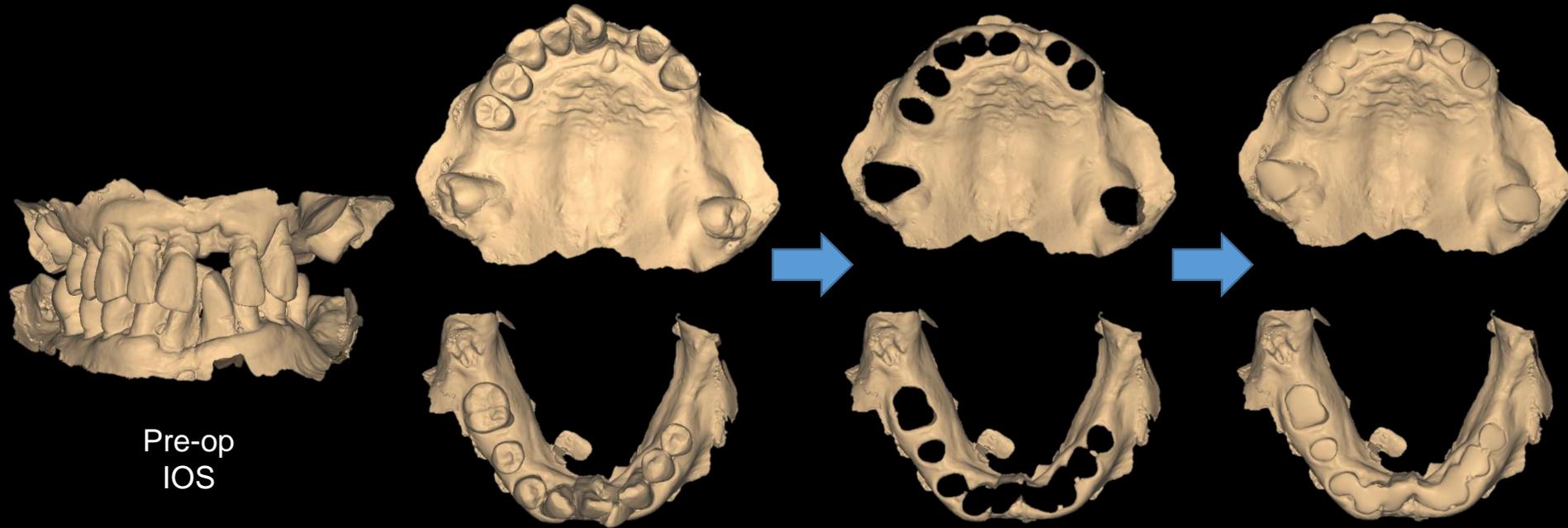
Step 2 : Matching with Dental CAD



CT STL (soft / hard) + plane STL + IOS

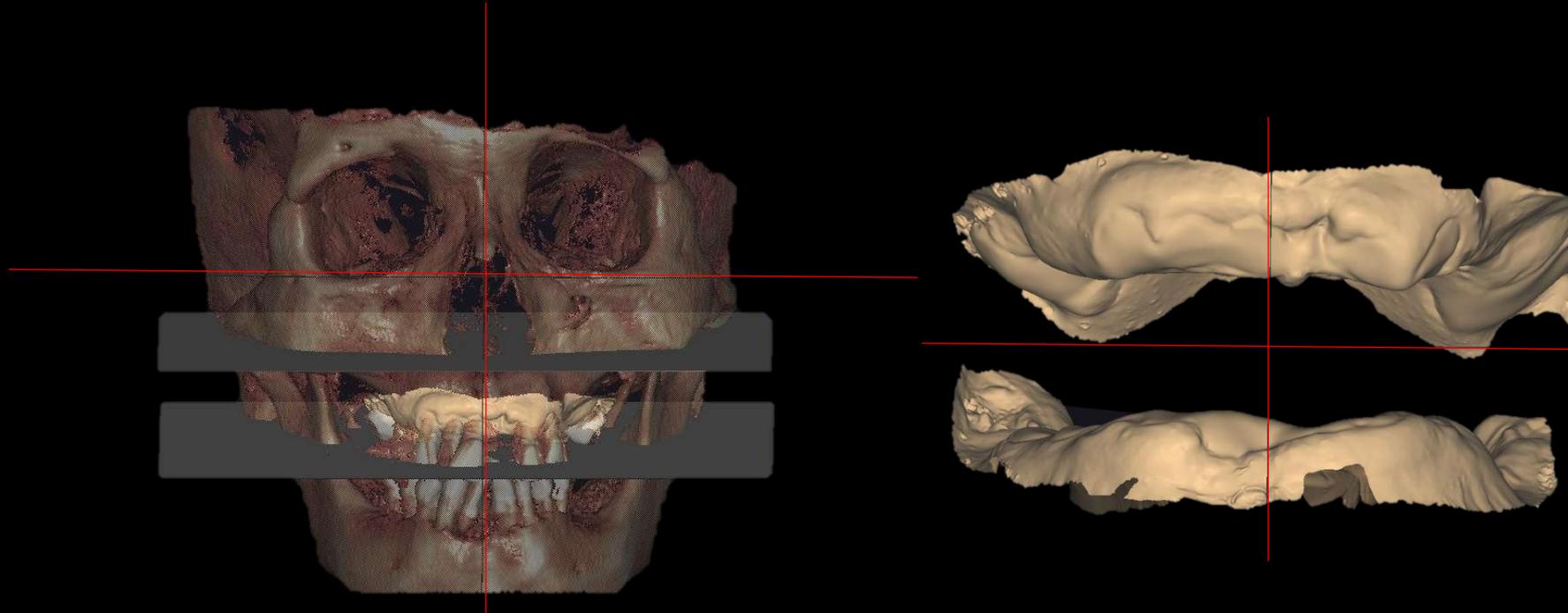
[Temporary denture making process]

Step 3 : editing working model



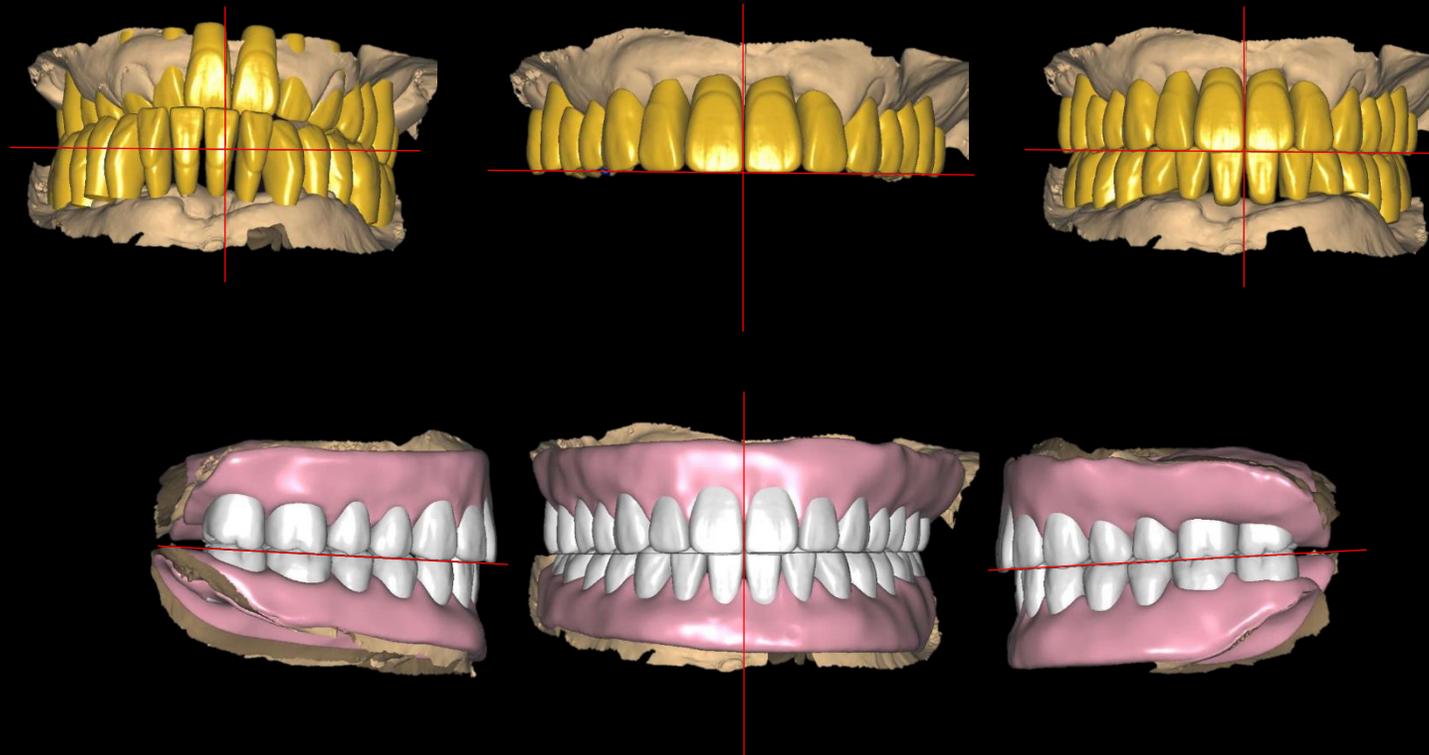
[Temporary denture making process]

Step 3 : editing working model



[Temporary denture making process]

Step 4 : CAD design for Virtual set-up & Temporary denture



Past Dental History

Mandible Implantation with denture guide



Printing Temporary denture

Past Dental History

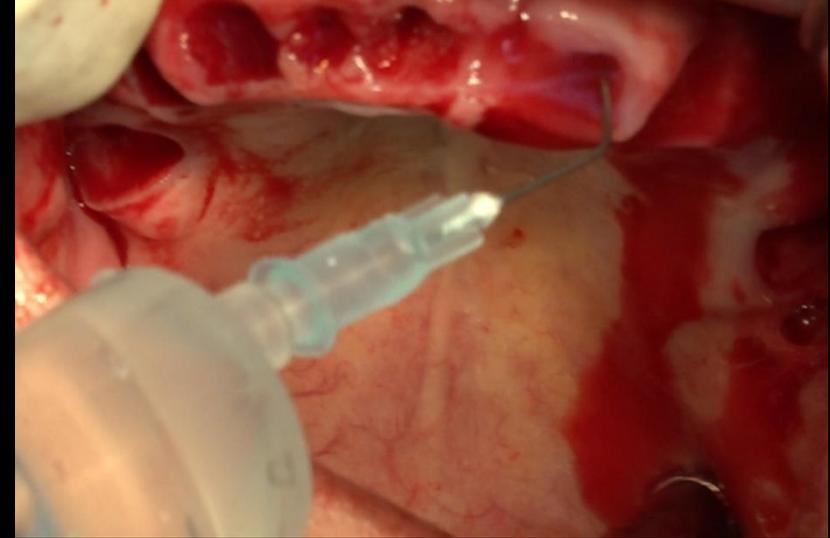
Mandible Implantation with denture guide



Marking hole on Lower printing denture

Past Dental History

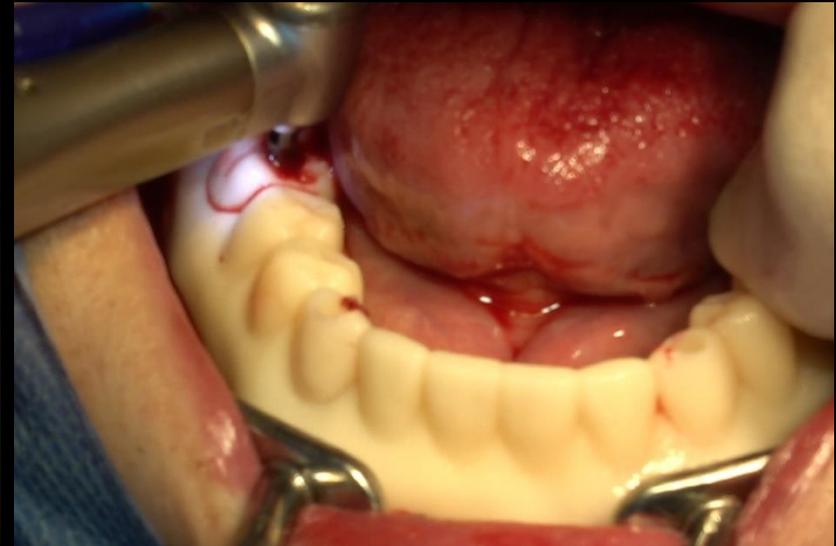
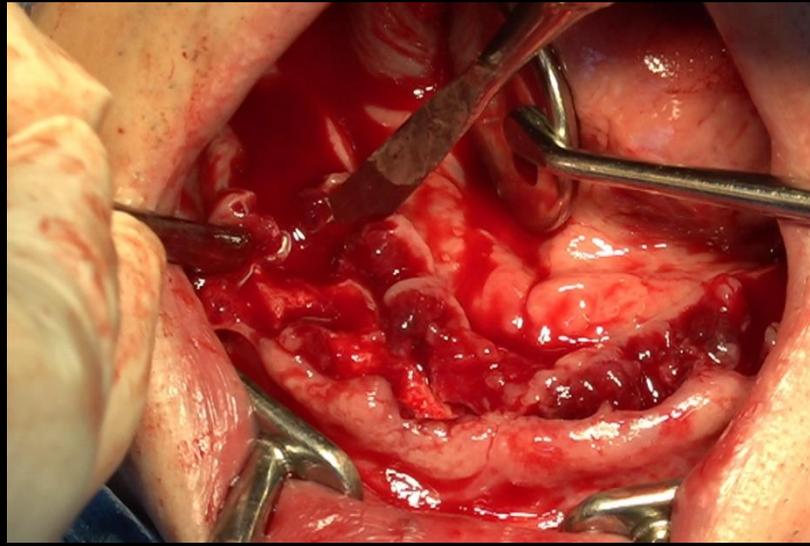
Mandible Implantation with denture guide



Surgery

Past Dental History

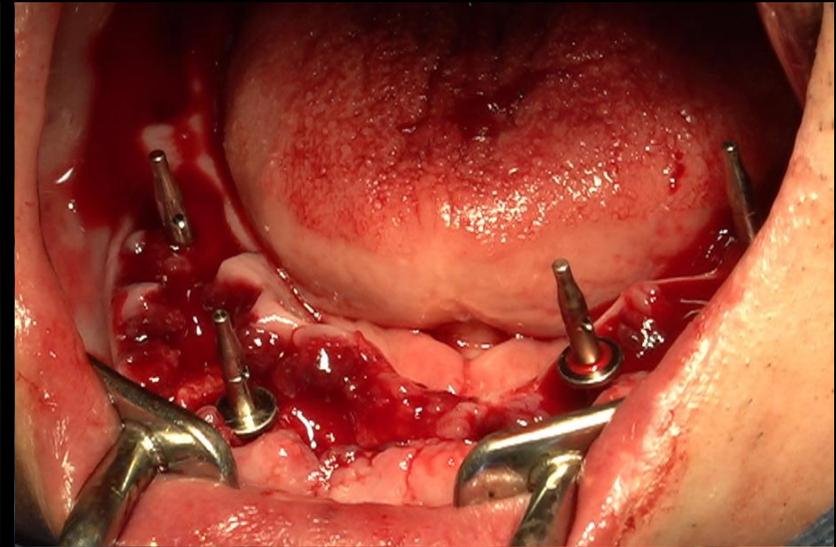
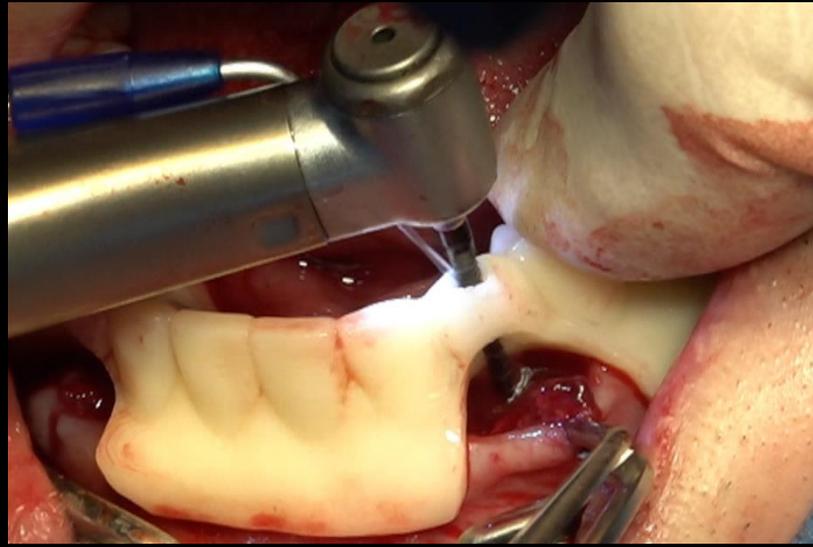
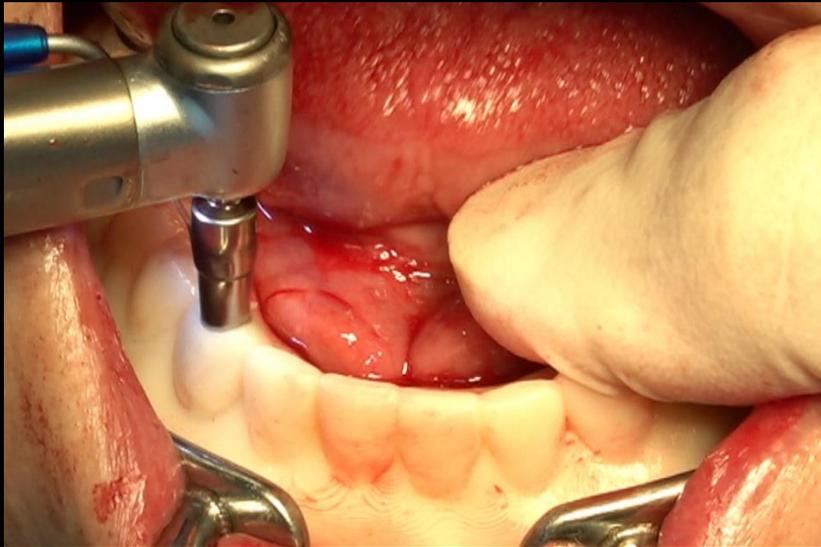
Mandible Implantation with denture guide



Surgery

Past Dental History

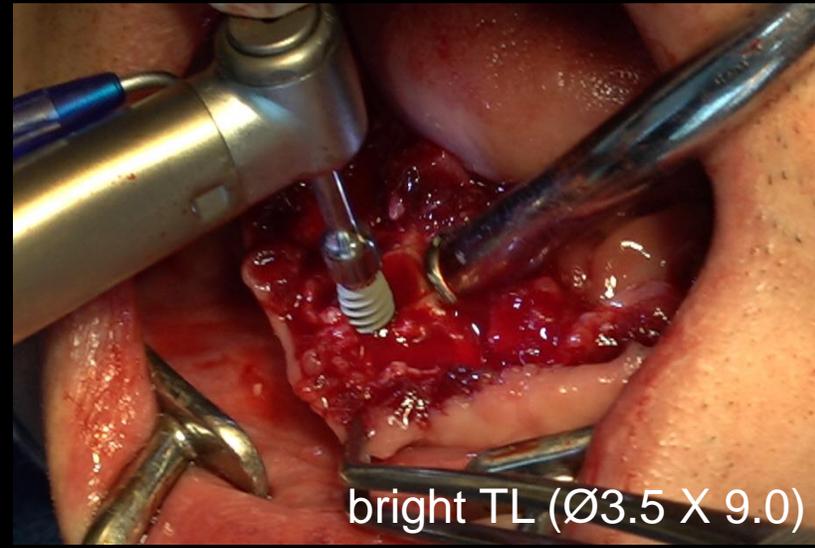
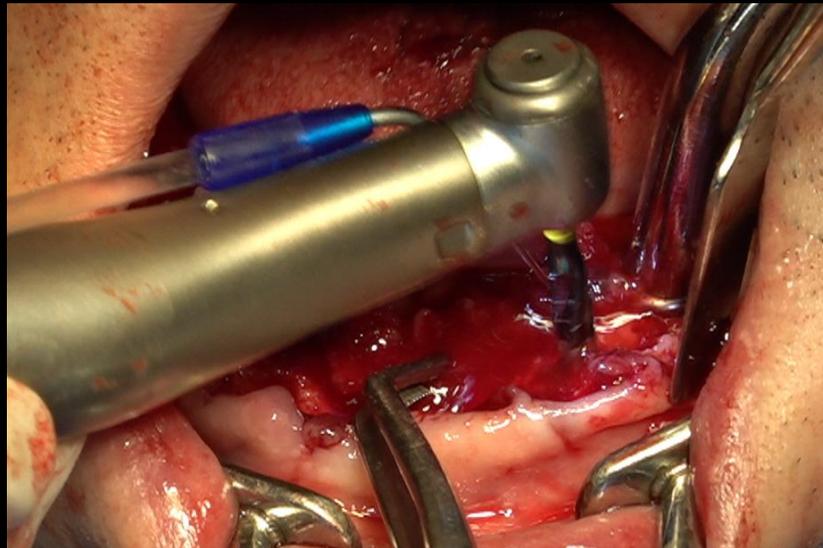
Mandible Implantation with denture guide



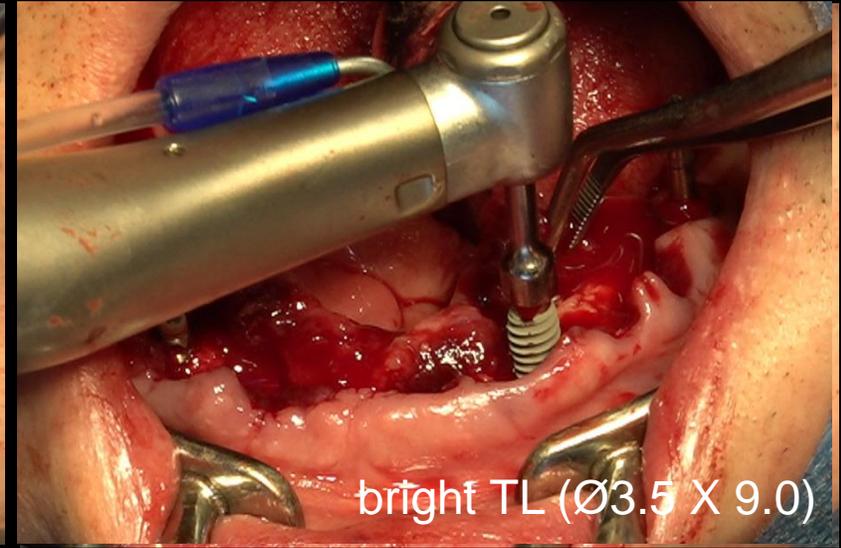
Surgery

Past Dental History

Mandible Implantation with denture guide



bright TL (Ø3.5 X 9.0)

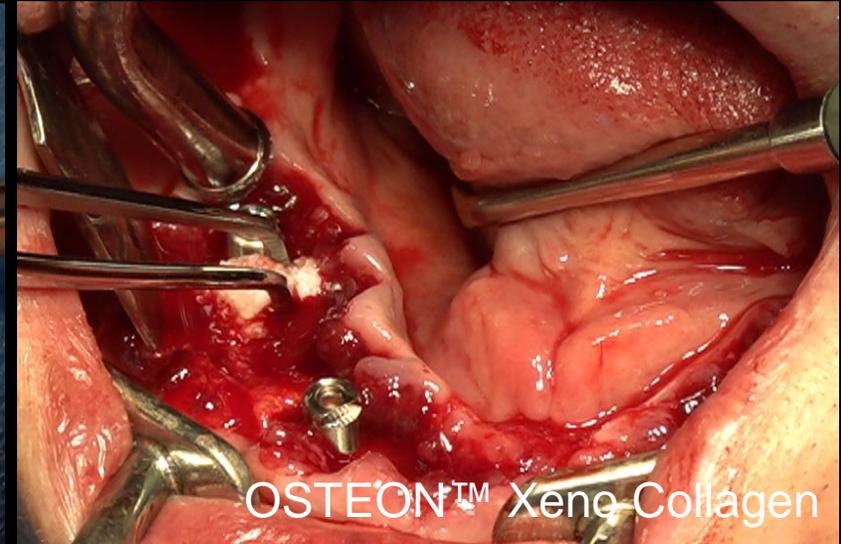
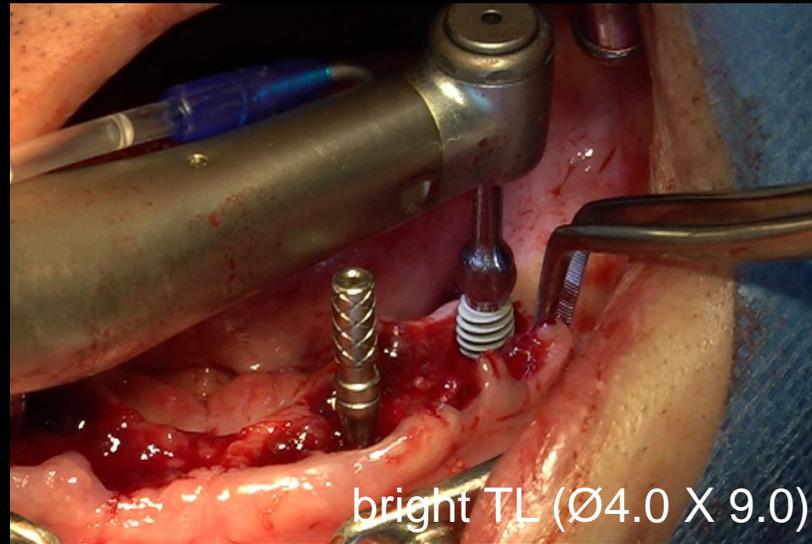
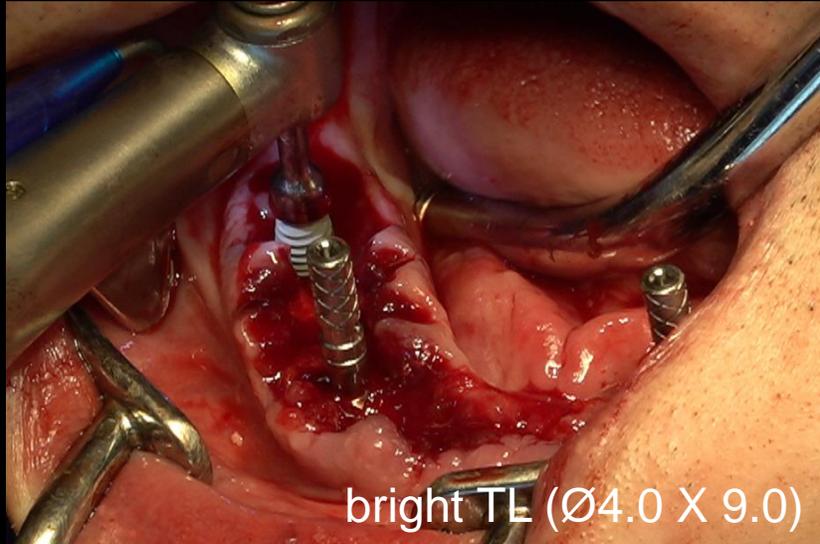


bright TL (Ø3.5 X 9.0)

Surgery

Past Dental History

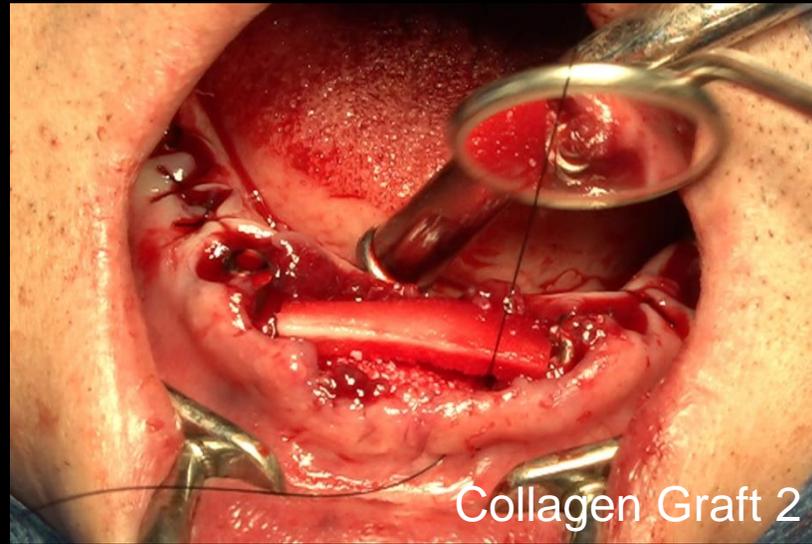
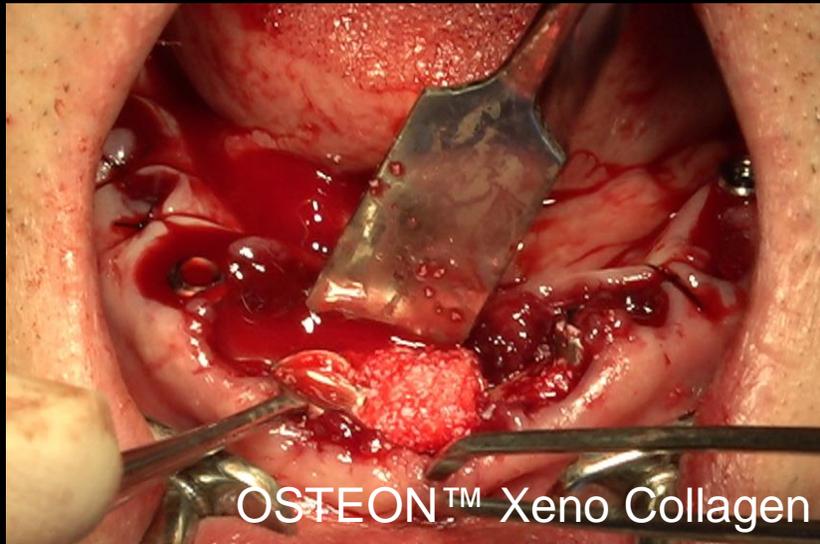
Mandible Implantation with denture guide



Surgery

Past Dental History

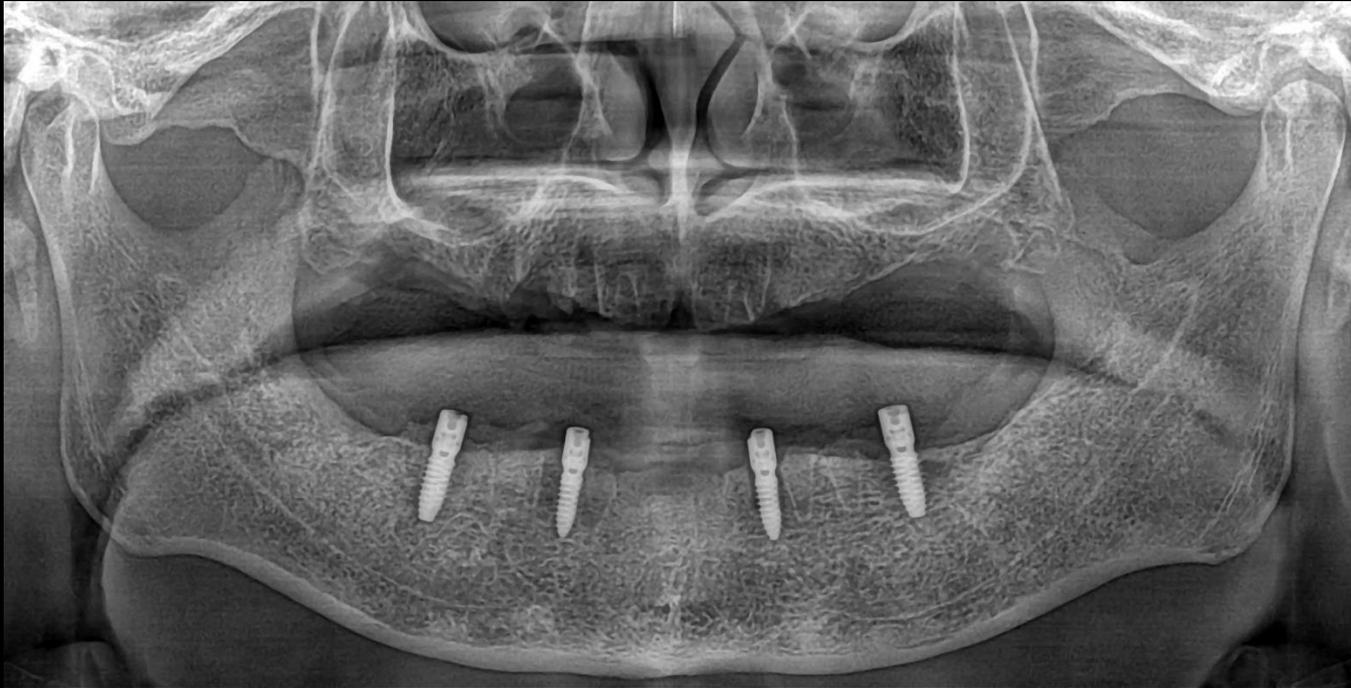
Mandible Implantation with denture guide



Surgery

Past Dental History

Mandible Implantation with denture guide



Post-op



Healing 1 week

Past Dental History

Mandible Implantation with denture guide



#46



#33



#43

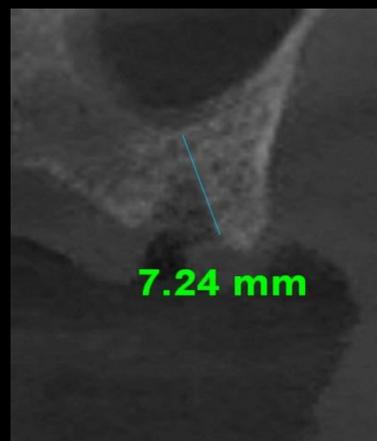


#46

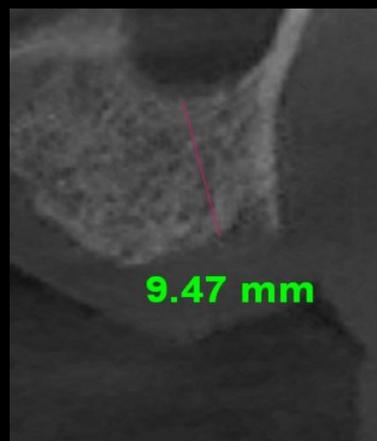
Pre-op CT

Pre-op

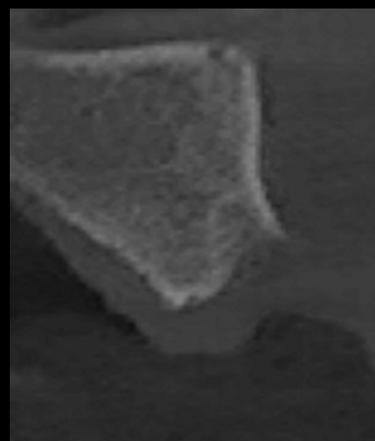




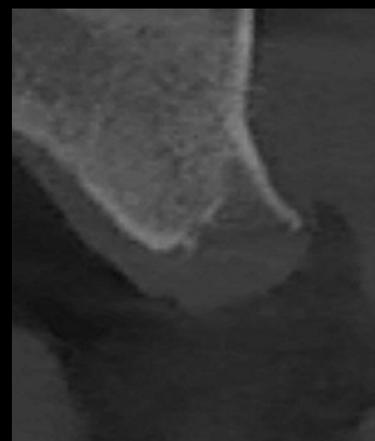
#15



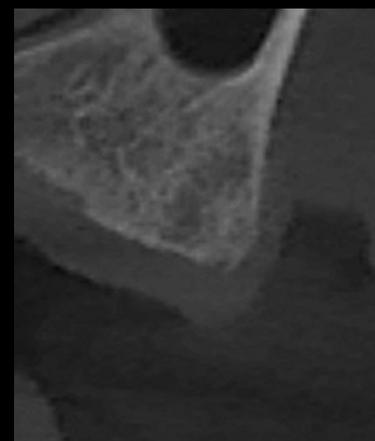
#14



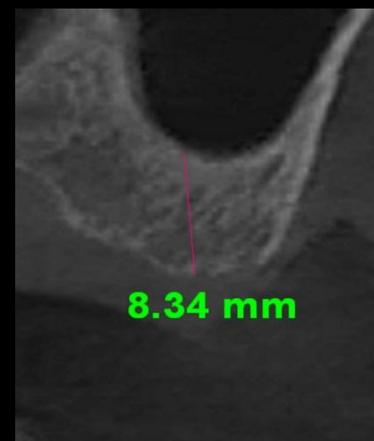
#12



#22



#24



#25



Pre-op

Surgery Plan (#12,14,15,22,24,25)



- Implantation on #12,14,15,22,24,25 using **bright Tissue Level**
- GBR using **OSTEON™ Xeno Collagen, OSTEON™ 3 Collagen, Collagen Graft 2**

Minimalism in narrow ridge

Today's Surgery point

✓ **Implant positioning with Printing Temp denture**

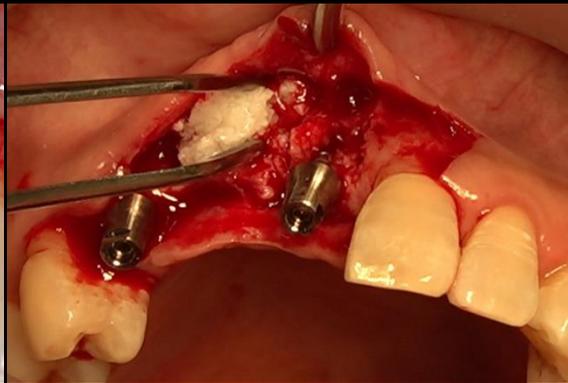
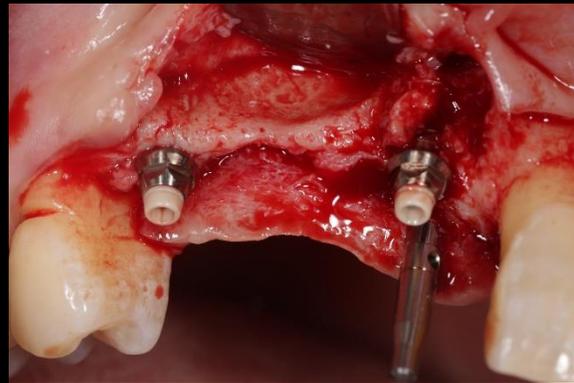
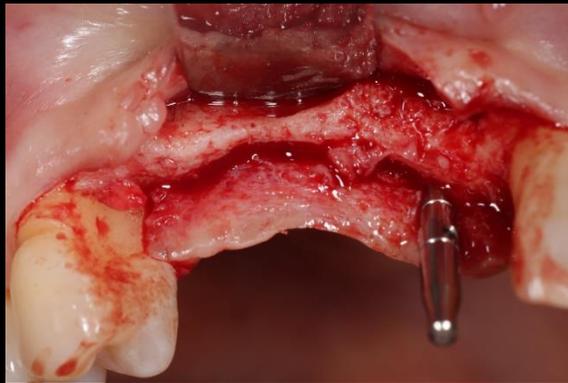
- Marking hole on upper printing denture



OSTEON™ Xeno Collagen



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



OSTEON™ 3 Collagen

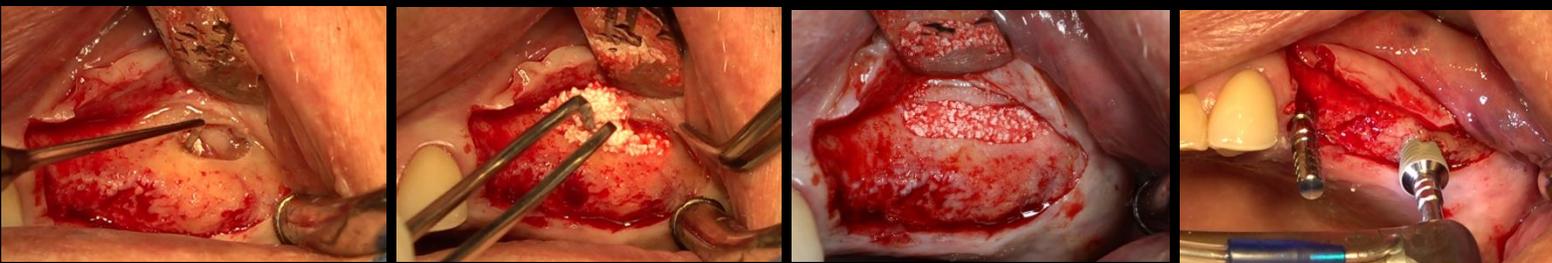
- Moldable to various defect shapes during wetting
- Easy handling to reduce chair time
- Collagen is absorbed within a few weeks after grafting



Case 1



Case 2



Collagen Graft 2

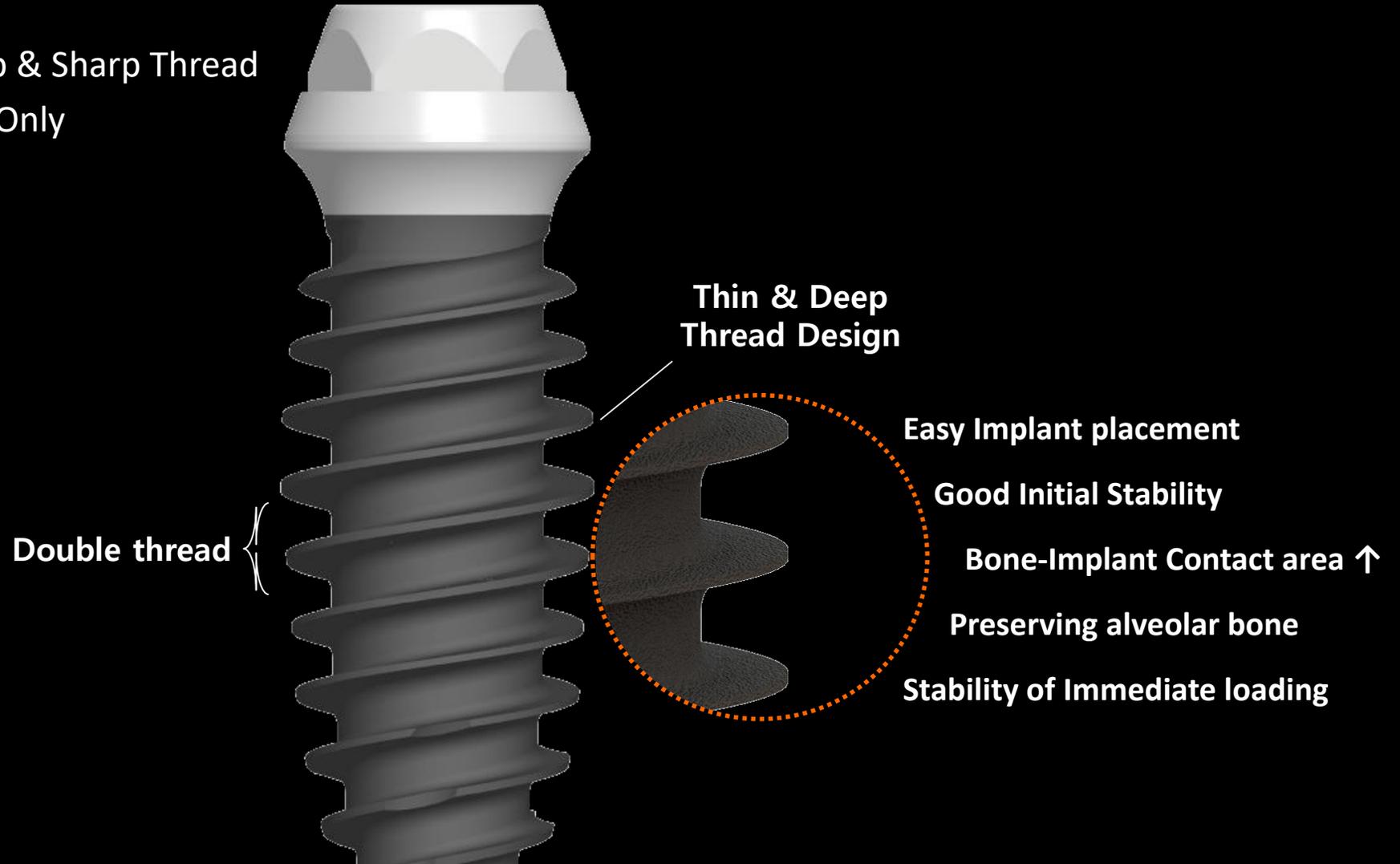
- Ridge preservation
- Porcine tendon derived type I collagen
- Faster soft tissue healing by epithelization



bright Tissue Level

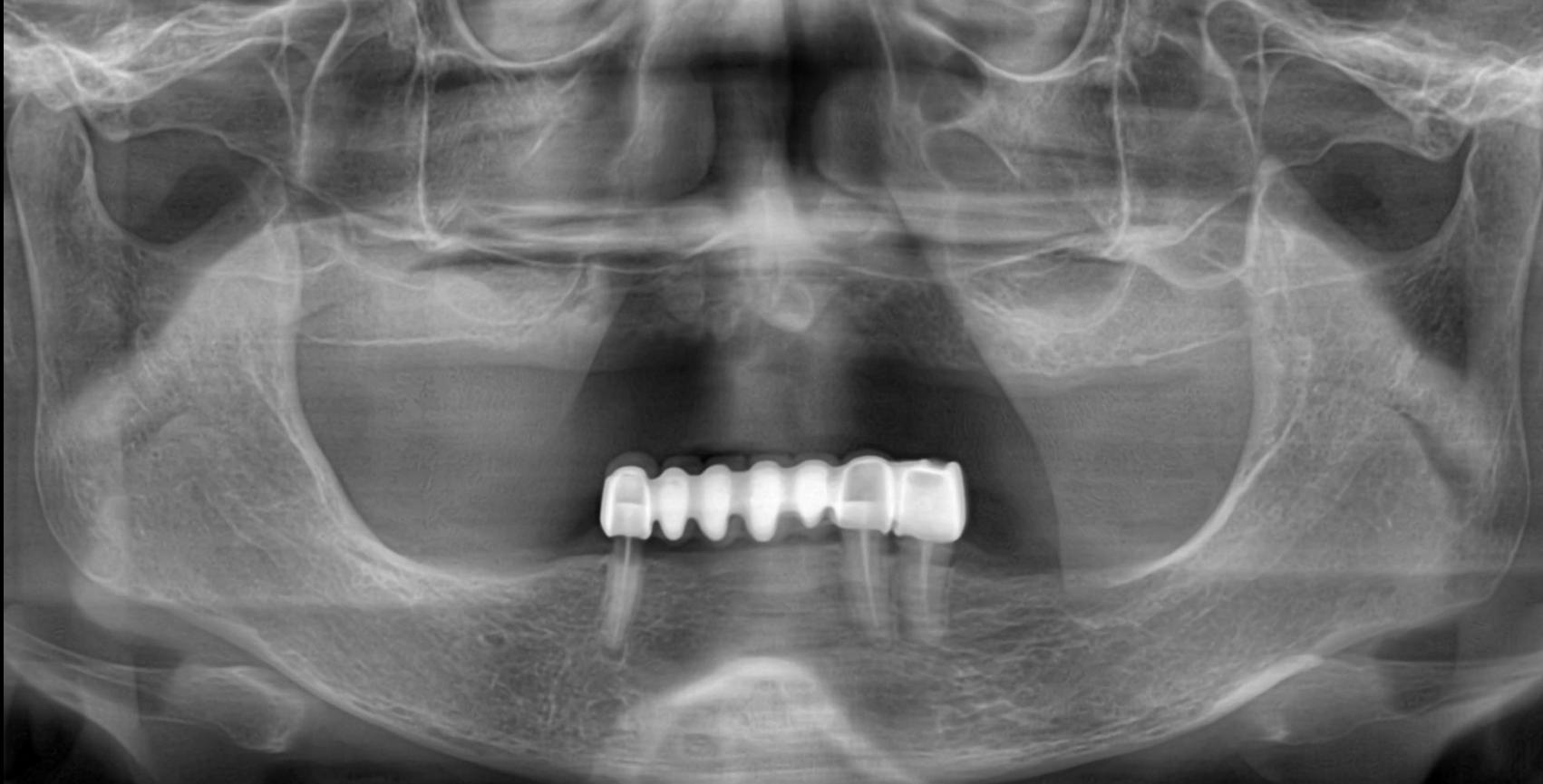
For **Simplify Surgical Procedure**

- Thin, Deep & Sharp Thread
- Final Drill Only



Similar case

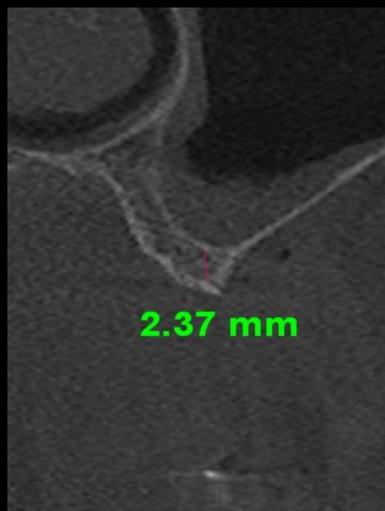
Edentulous Implant positioning using 3D Printing denture



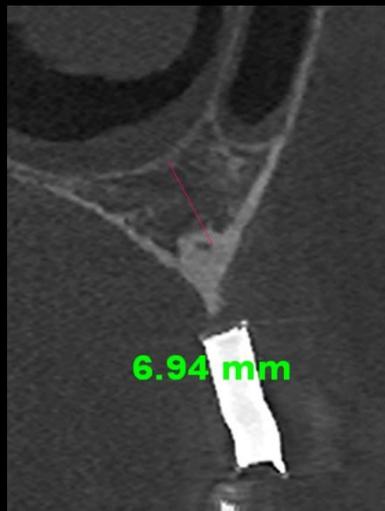
Pre-op

Similar case

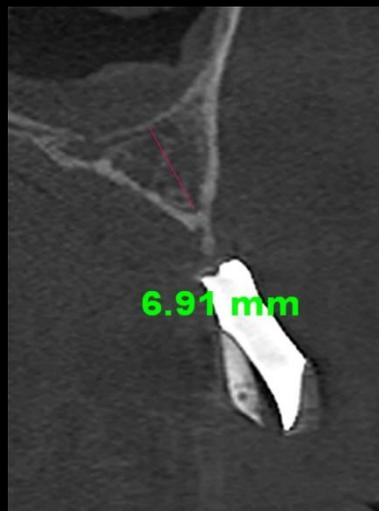
Edentulous Implant positioning using 3D Printing denture



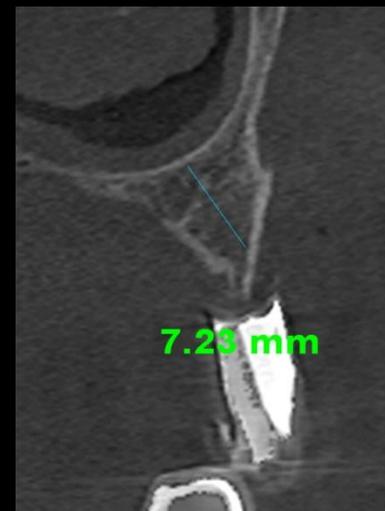
#16



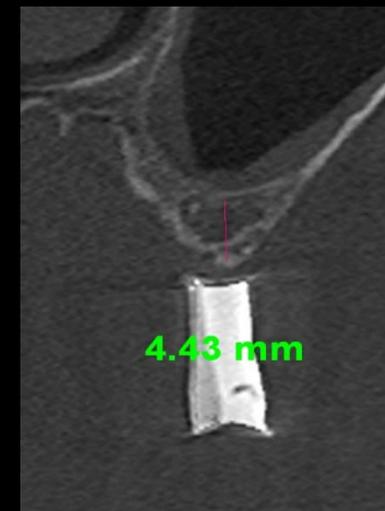
#14



#13



#23

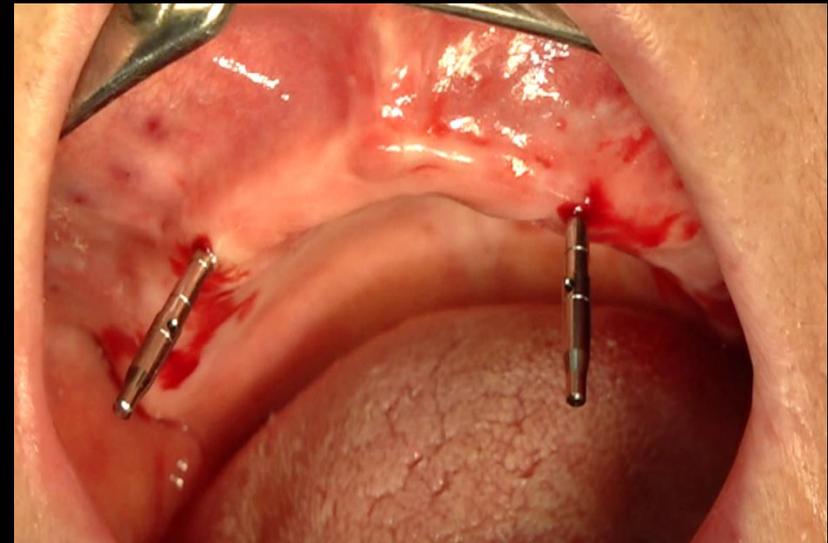
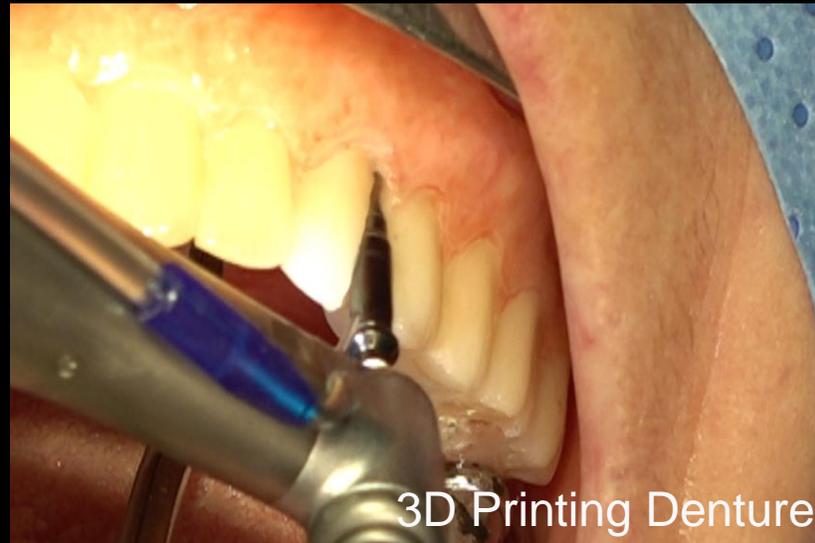
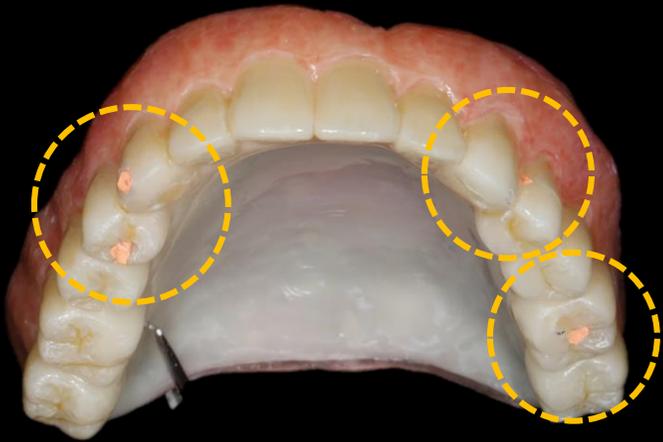


#26

Pre-op CT
(GP cone marking)

Similar case

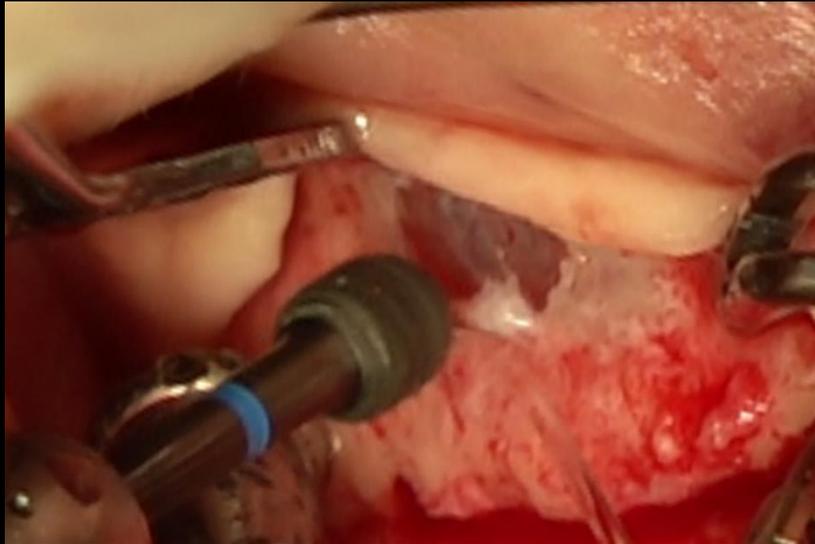
Edentulous Implant positioning using 3D Printing denture



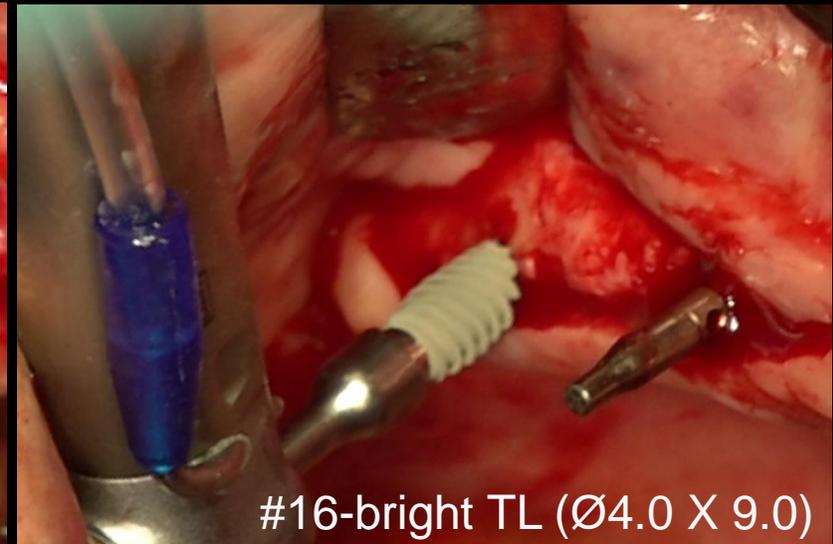
Surgery

Similar case

Edentulous Implant positioning using 3D Printing denture



OSTEON™ 3 Collagen

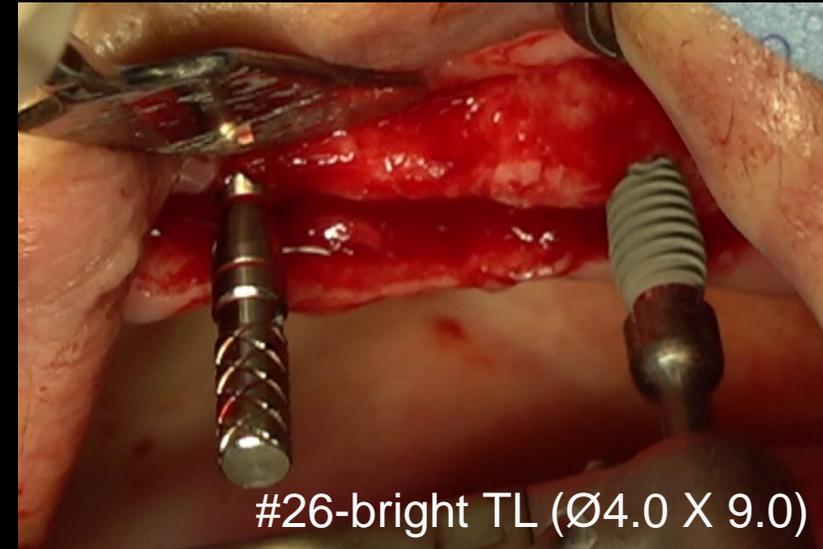
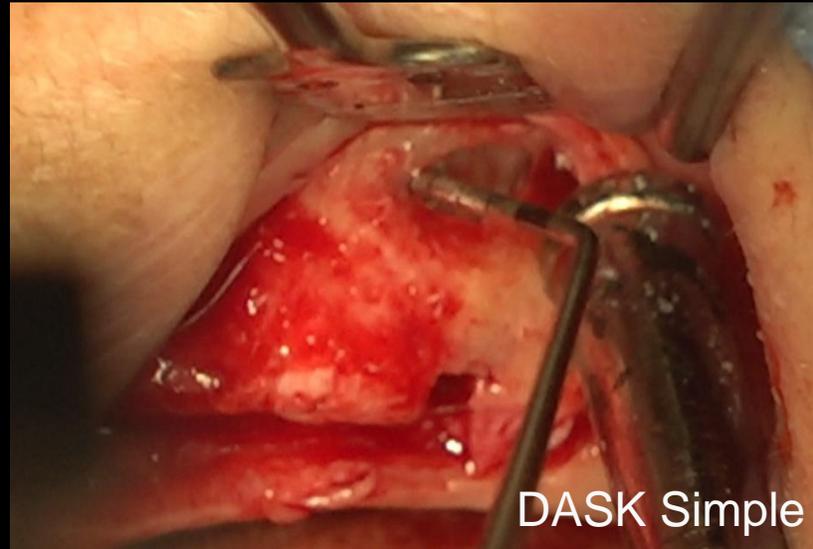
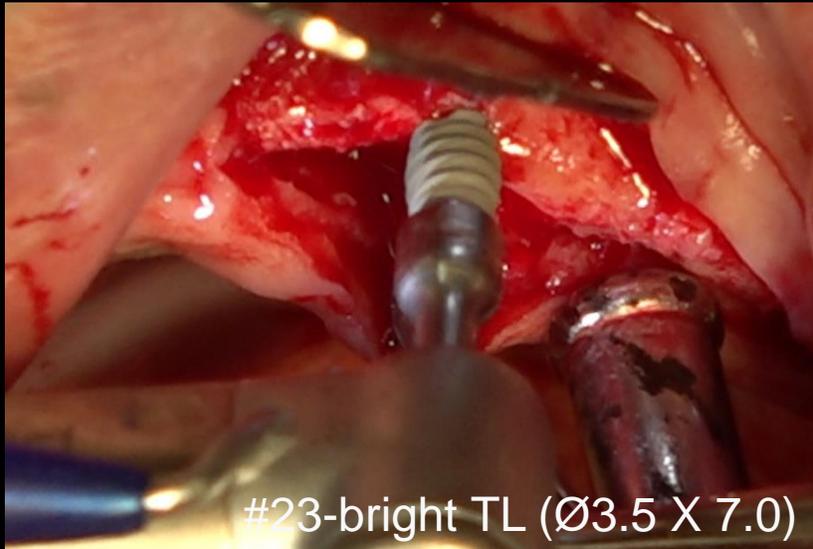


#16-bright TL (Ø4.0 X 9.0)

Surgery

Similar case

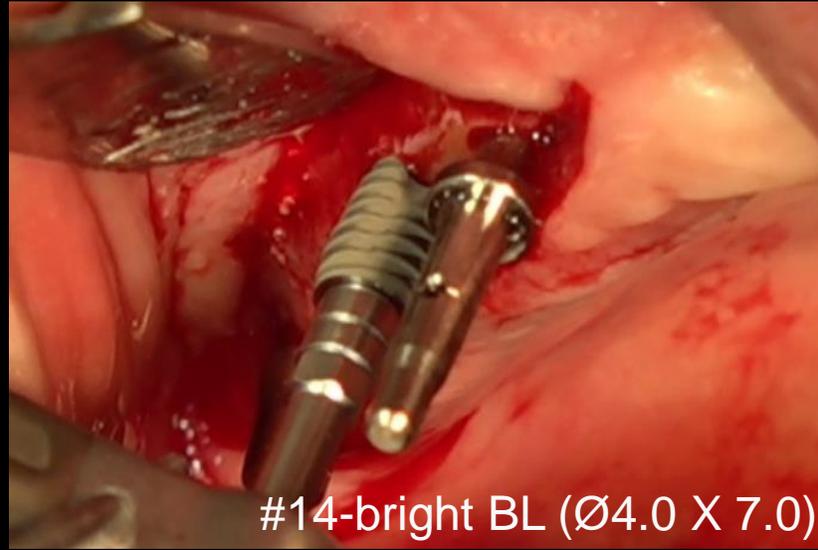
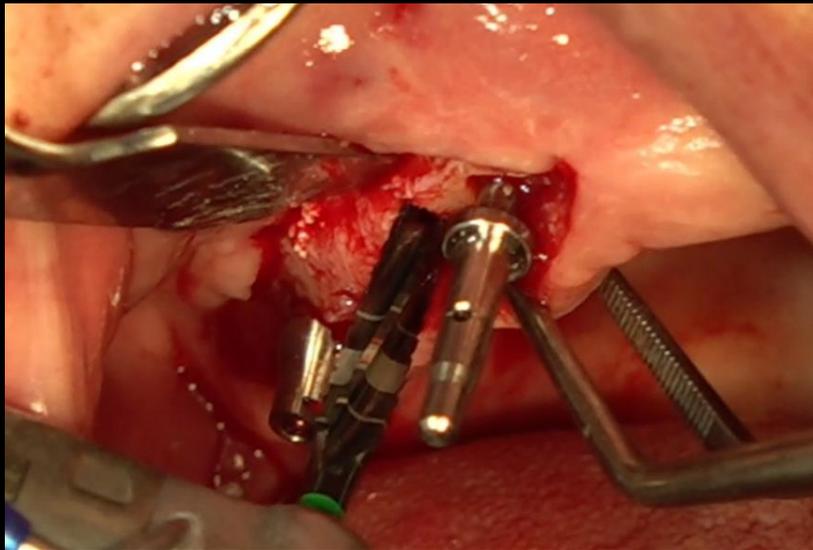
Edentulous Implant positioning using 3D Printing denture



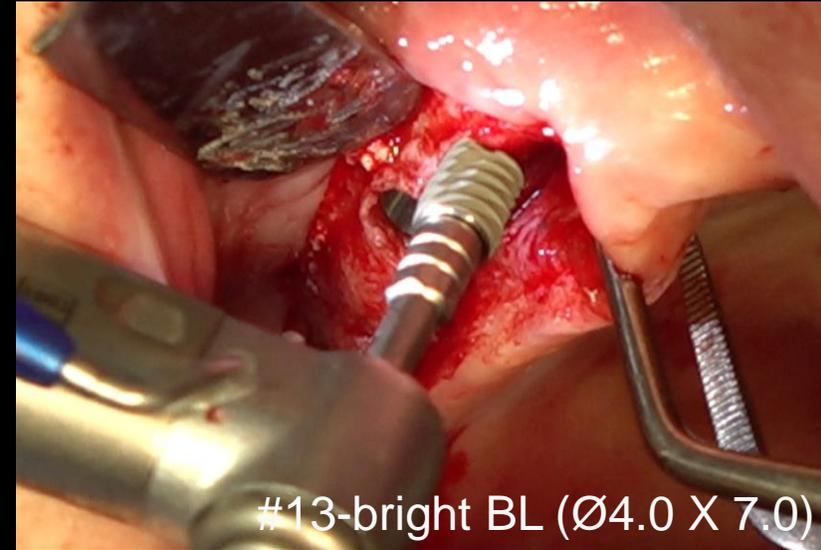
Surgery

Similar case

Edentulous Implant positioning using 3D Printing denture



#14-bright BL (Ø4.0 X 7.0)

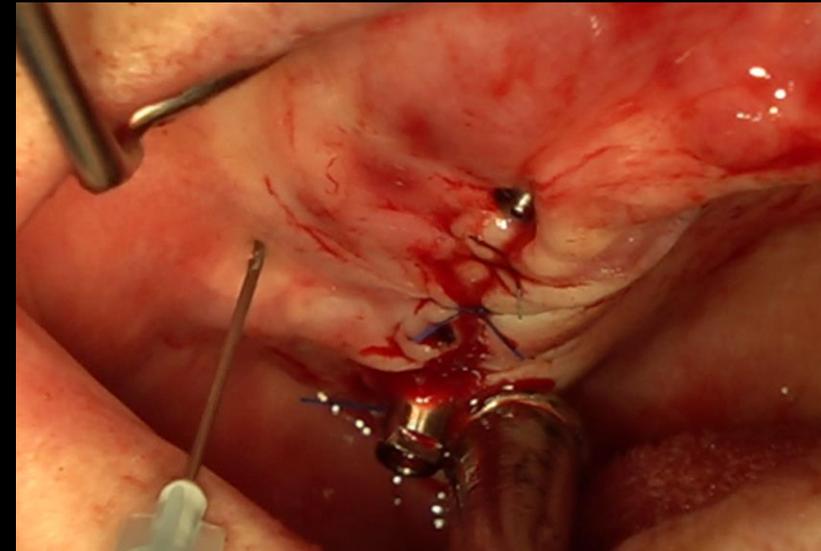
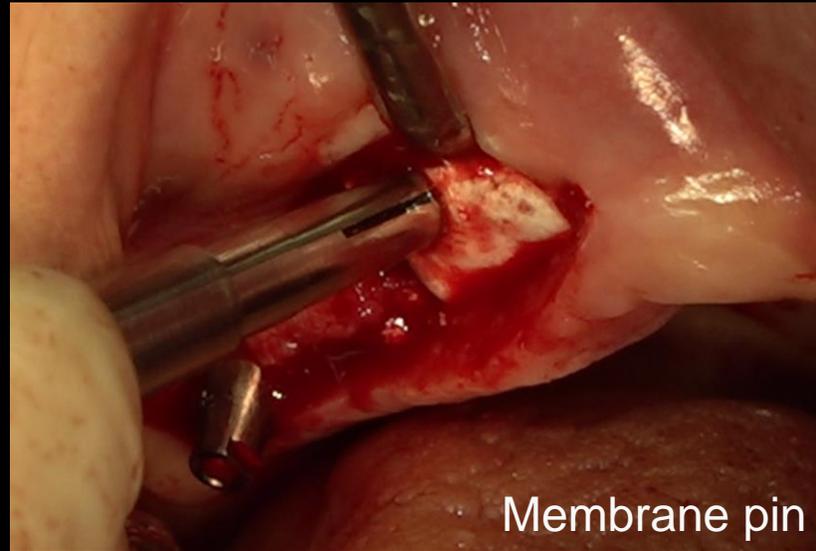
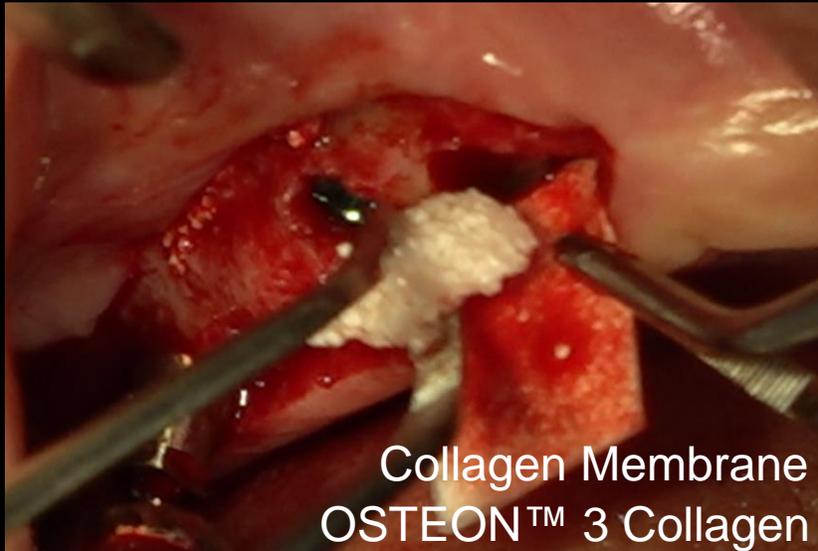


#13-bright BL (Ø4.0 X 7.0)

Surgery

Similar case

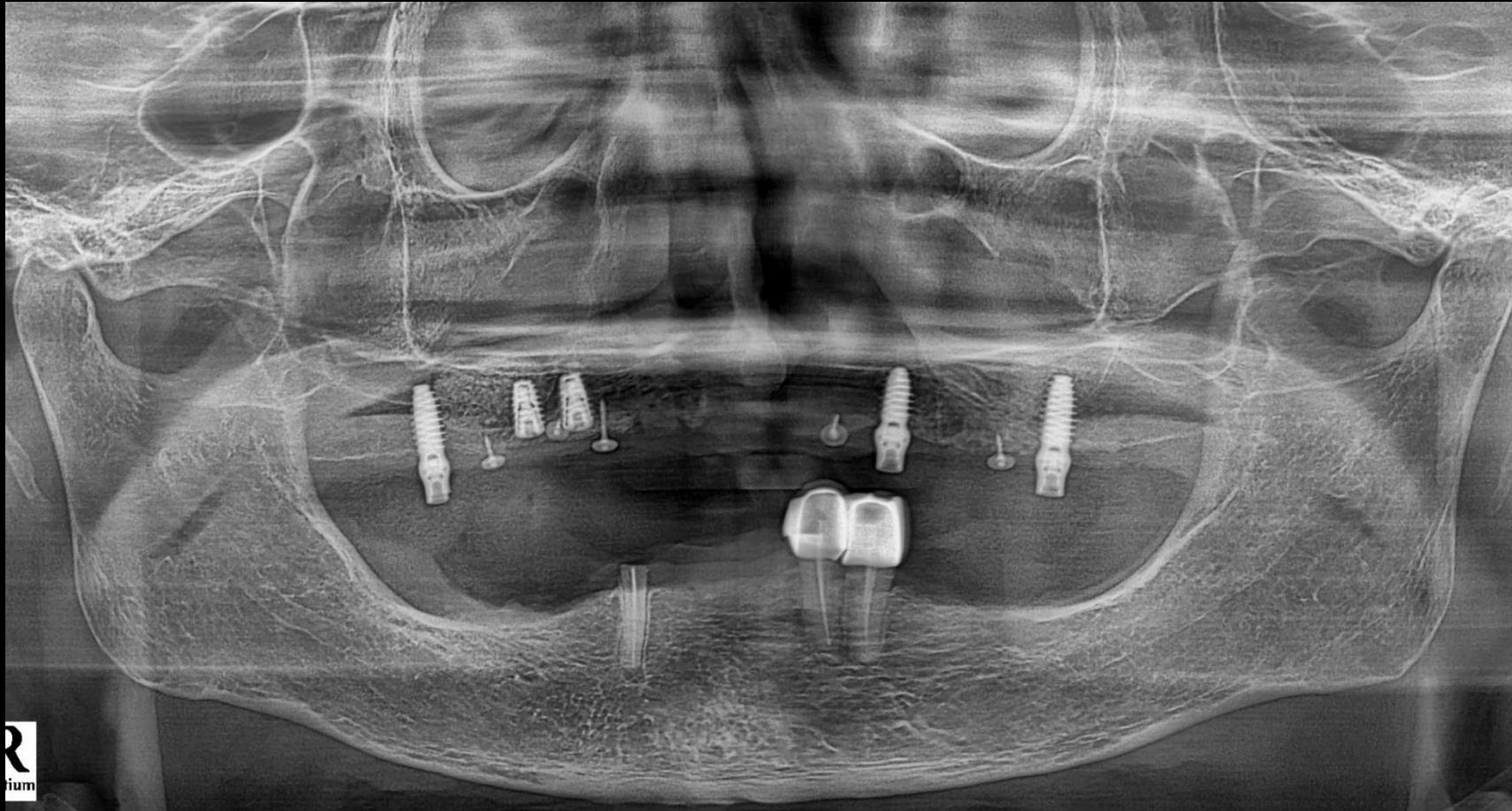
Edentulous Implant positioning using 3D Printing denture



Surgery

Similar case

Edentulous Implant positioning using 3D Printing denture

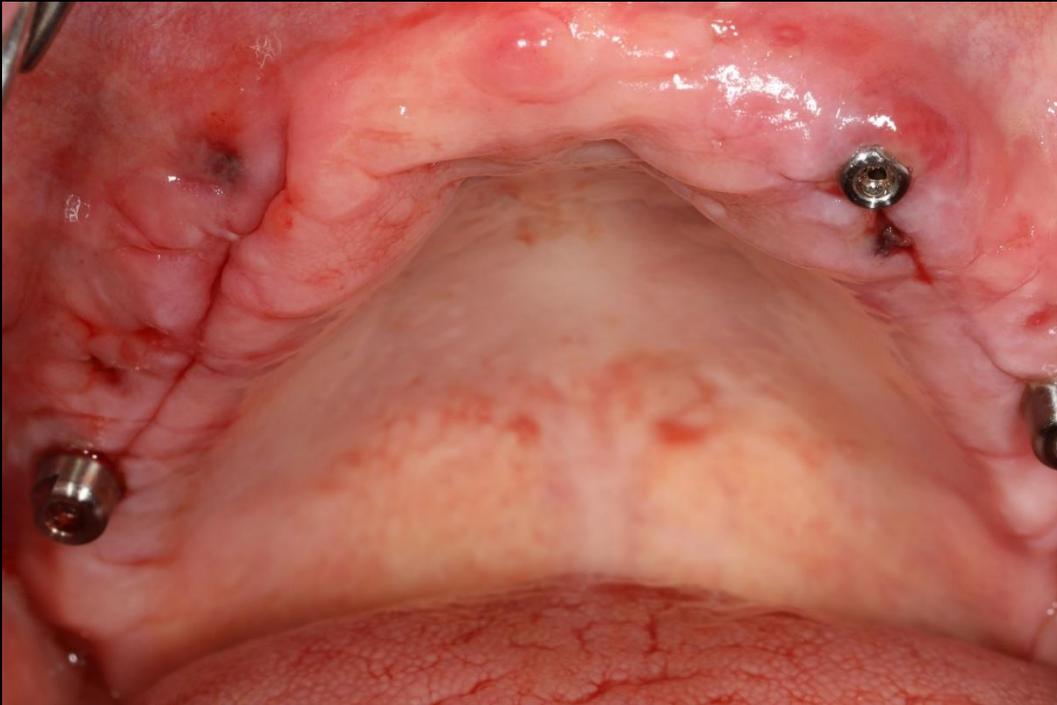


R
ium

Post-op

Similar case

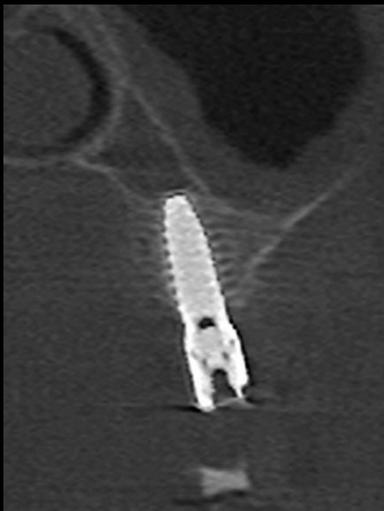
Edentulous Implant positioning using 3D Printing denture



Healing 2 weeks

Similar case

Edentulous Implant positioning using 3D Printing denture



#16



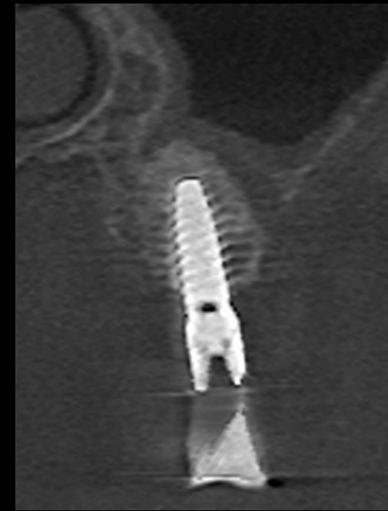
#14



#13



#23



#26

Healing 6 months

Similar case

Edentulous Implant positioning using 3D Printing denture



Healing : 6 months



#13,14 2nd surgery



Healing : 7 months

Similar case

Edentulous Implant positioning using 3D Printing denture



Provisional restoration

Similar case

Edentulous Implant positioning using 3D Printing denture



Final prosthesis

Similar case

Edentulous Implant positioning using 3D Printing denture



Final prosthesis

