

Dr Michaël CORCOS

Unité d'Implantologie
Garancière-Rothschild

michaelcorcos@orange.fr





Docteur en Chirurgie Dentaire - Paris 5

Maîtrise en Sciences Biologiques et Médicales - Paris 5

Attestation Universitaire d'Implantologie - Paris 7

Diplôme Universitaire d'Implantologie Chirurgicale et Prothétique - Paris 7

Diplôme Universitaire de Chirurgie Pré et Péri Implantaire - Paris 11

Attaché d'Enseignement Hôpital Rothschild - Garancière

CHARGÉ DE COURS

Faculté de Chirurgie Dentaire – Paris 7

DUICP– Paris 7

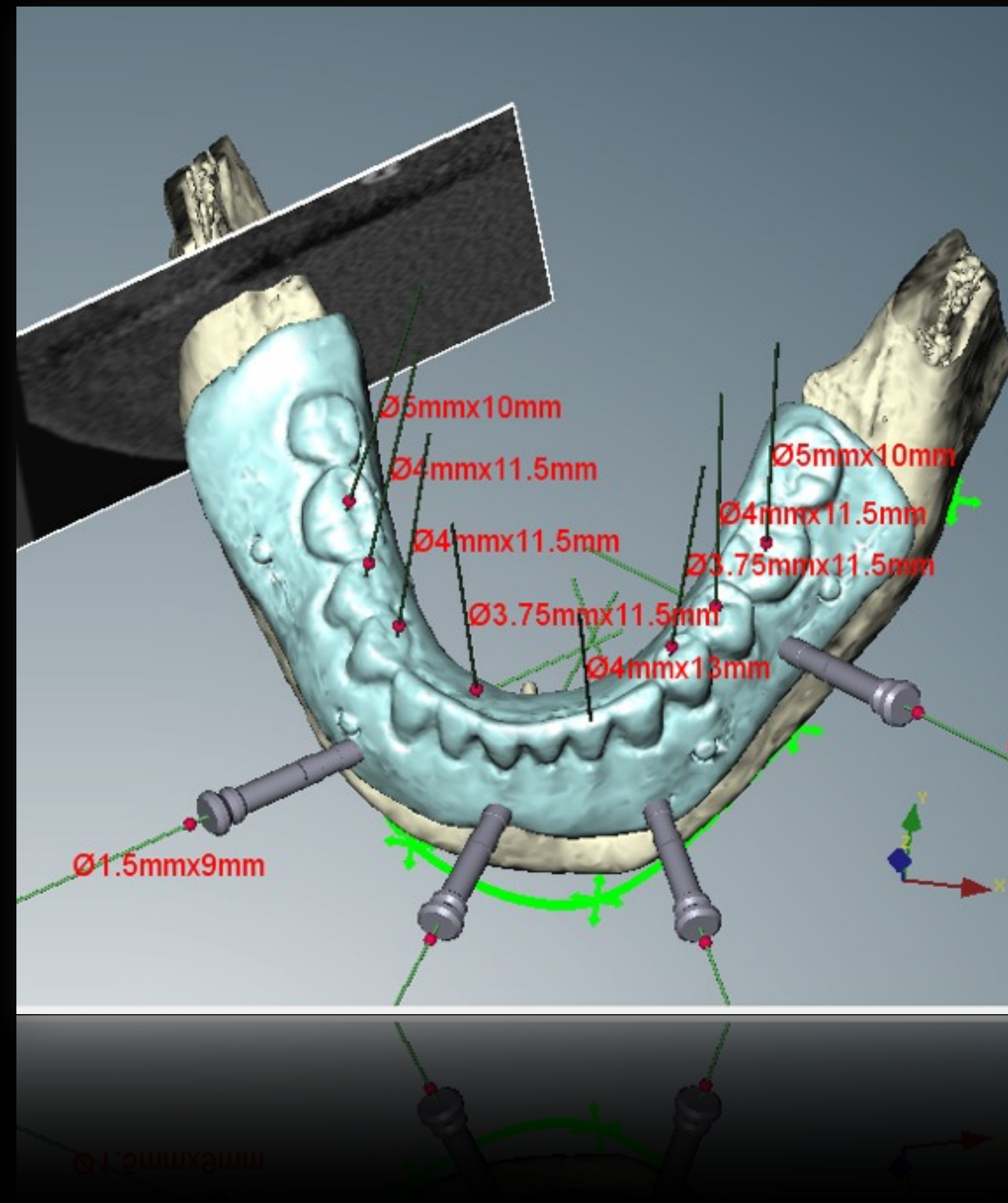
DU d'Implantologie Saint-Antoine

Attestation Universitaire d'Implantologie - Paris 7

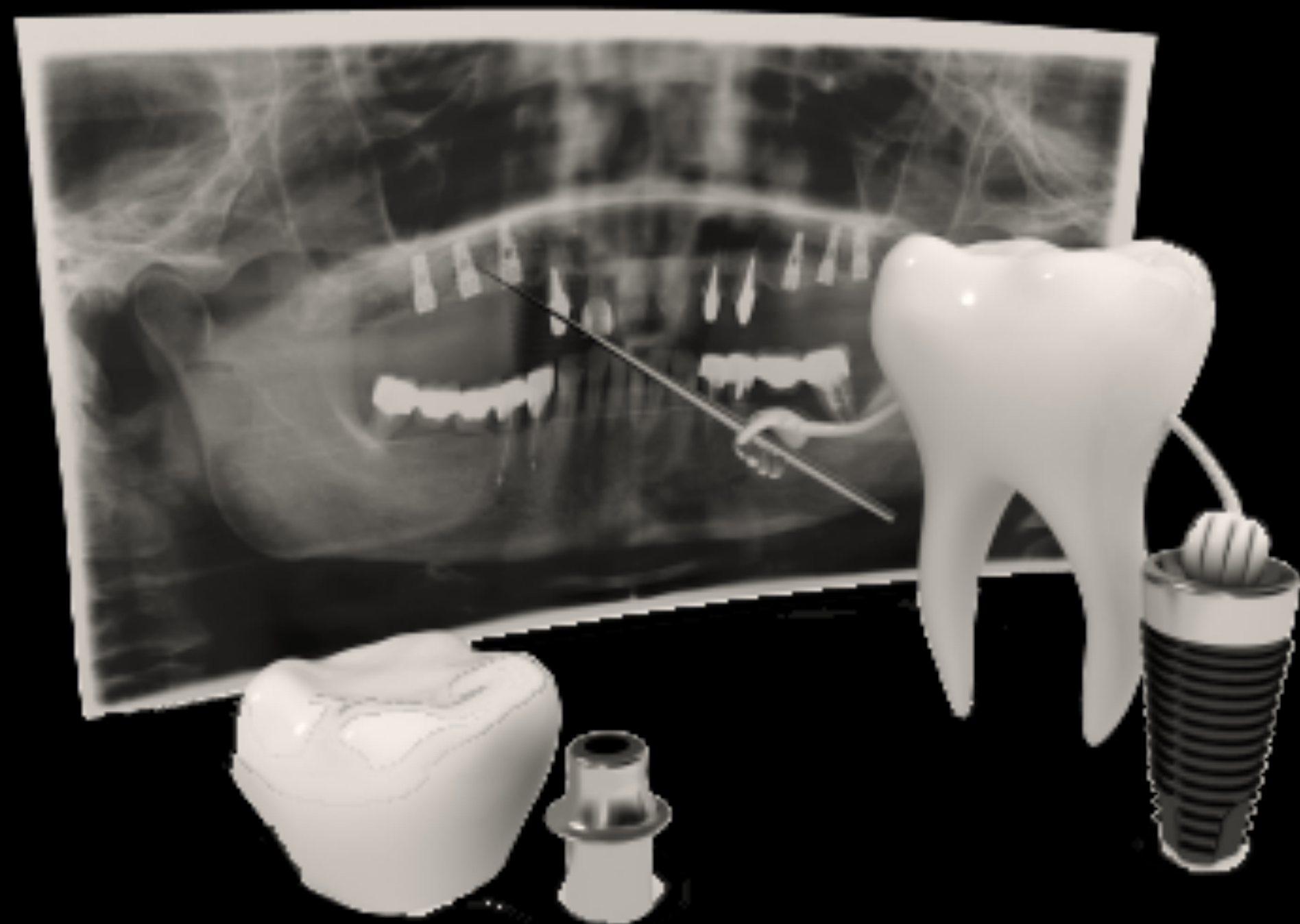
Co-Responsable du Service Dr On Call

0 800 006 682

Imagerie 3D – Planification Réalisation d'un Guide



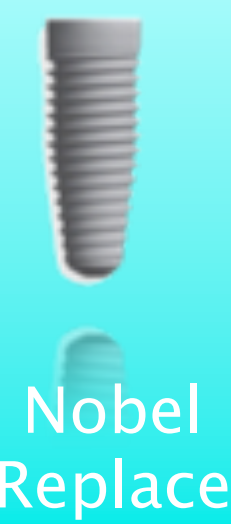
Comment réussir en implantologie?



Suivre un plan de traitement
clair, rigoureux,
où le hasard a été mis de côté...



TRIPODE



Nobel
Replace



Replace
Select



Nobel
Speedy
Replace



Nobel
Replace
Straight



Replace
Select
Straight

CONNEXION CONIQUE INTERNE



Nobel
Replace
CC



Nobel
Active

HEXAGONE EXTERNE



Mk III



Mk IV
TiUnite



Shorty



Maxillo
facial



Nobel
Speedy
Groovy

Chronologie du traitement

Diagnostic Clinique

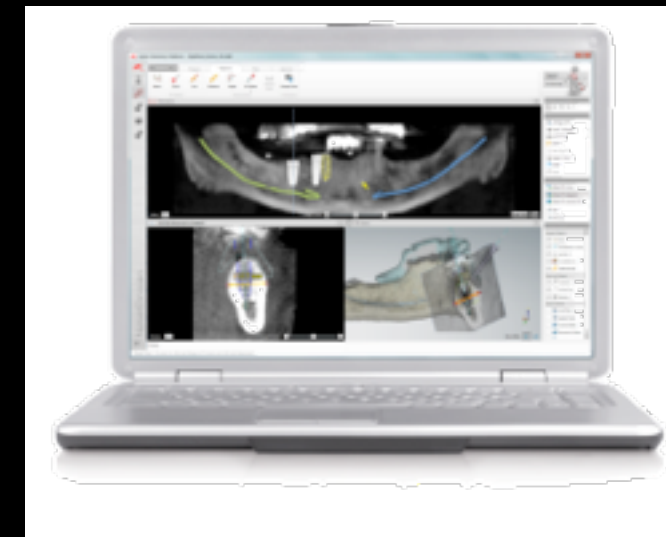
Guide Radiologique

Scanner

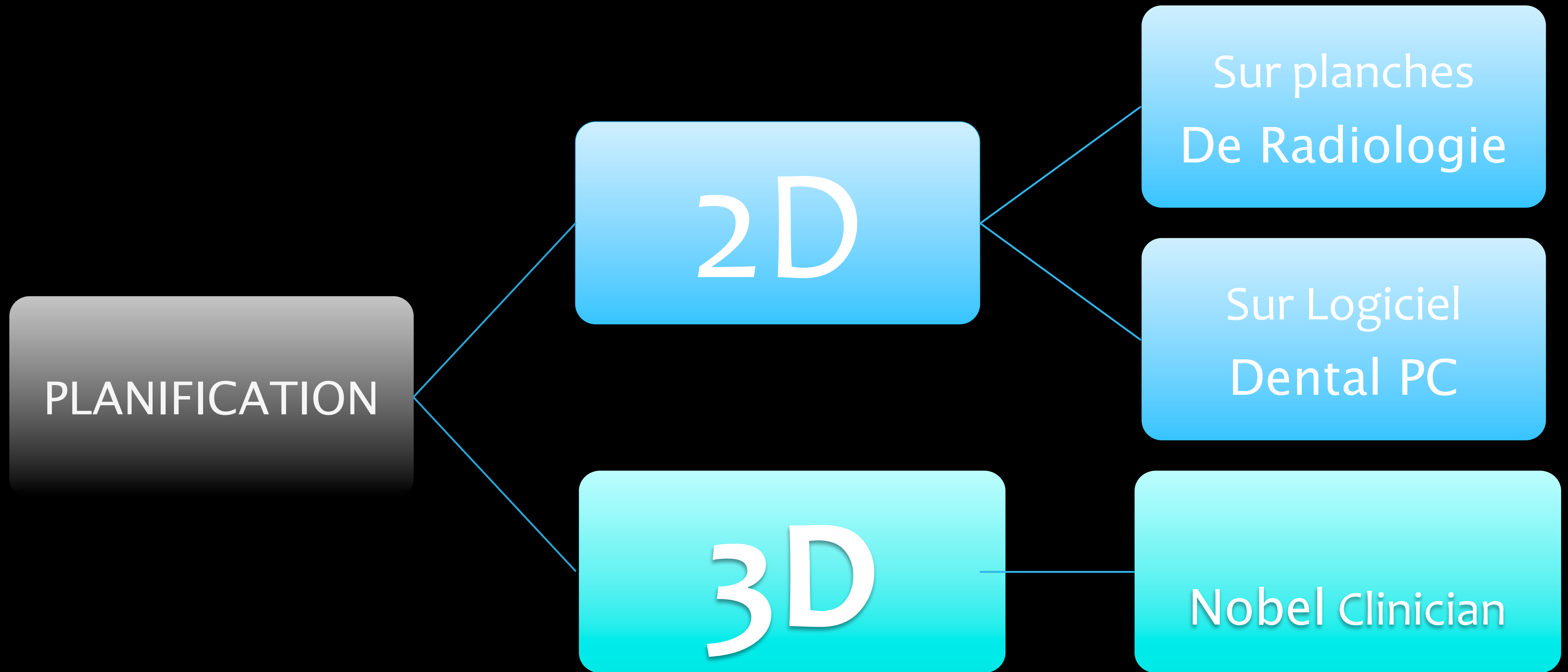
Planification

Guide Chirurgical

Prothèse transitoire
(Provisoire)



Comment réaliser
la planification ?



Guide issu d'un wax up

AVANTAGES :

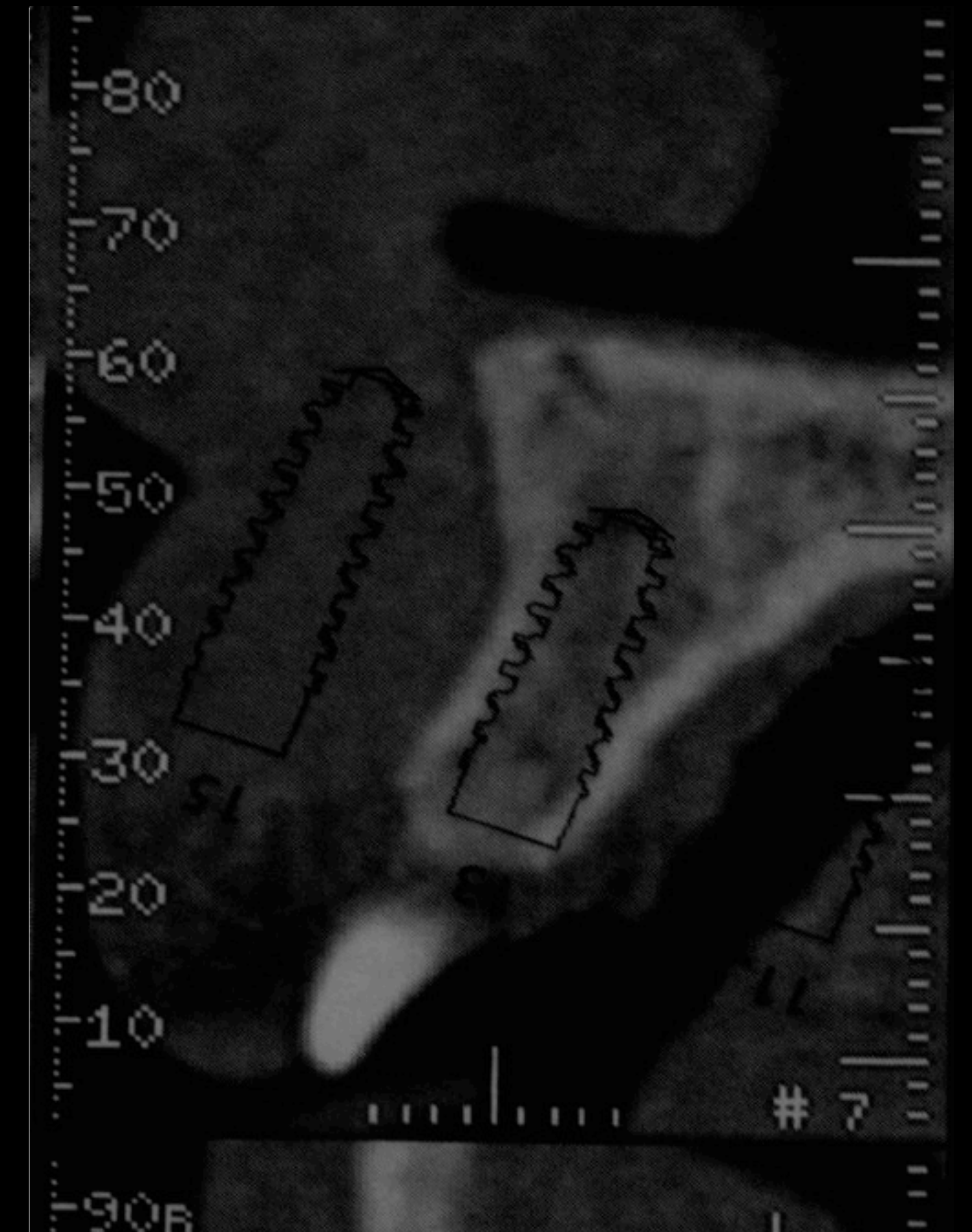
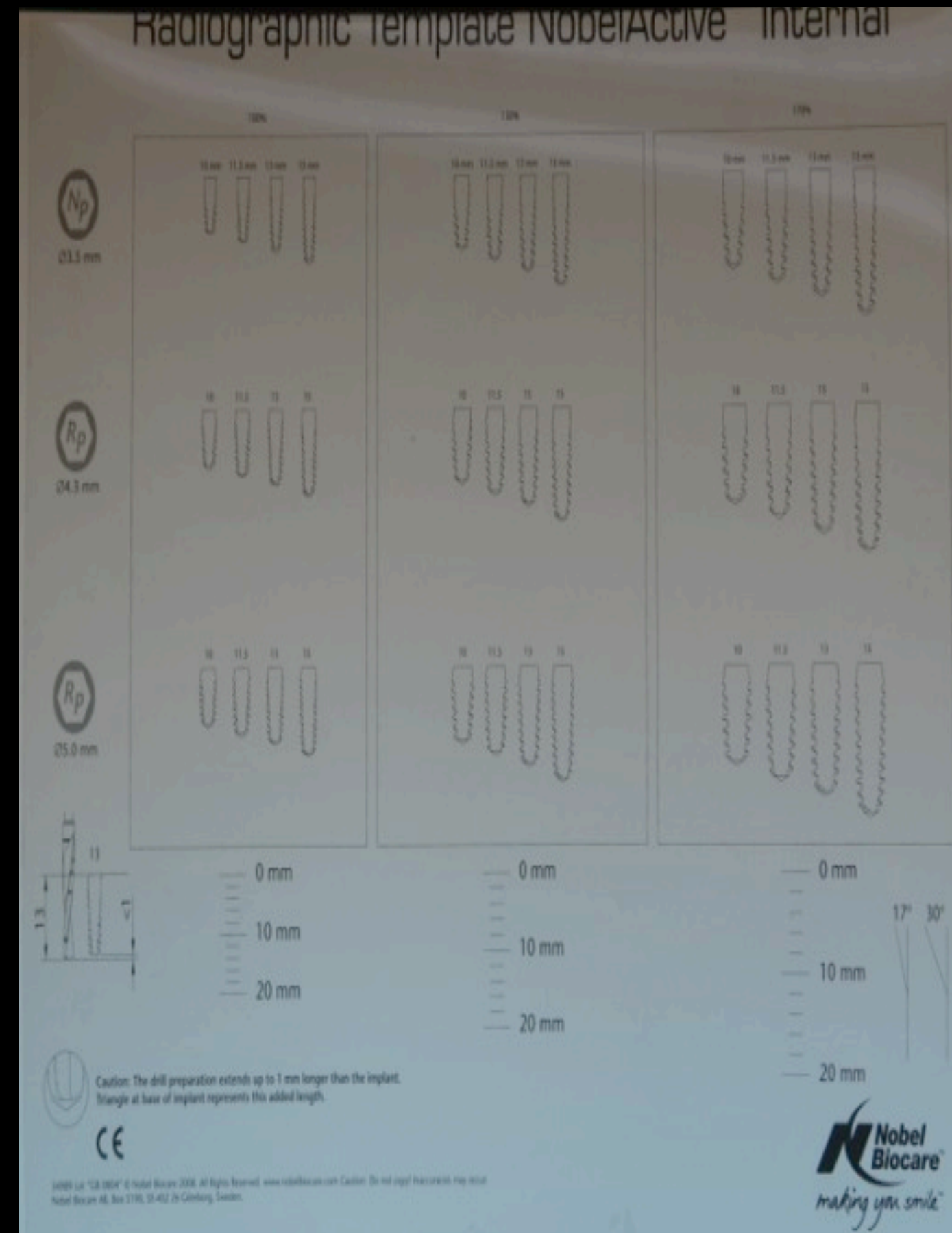
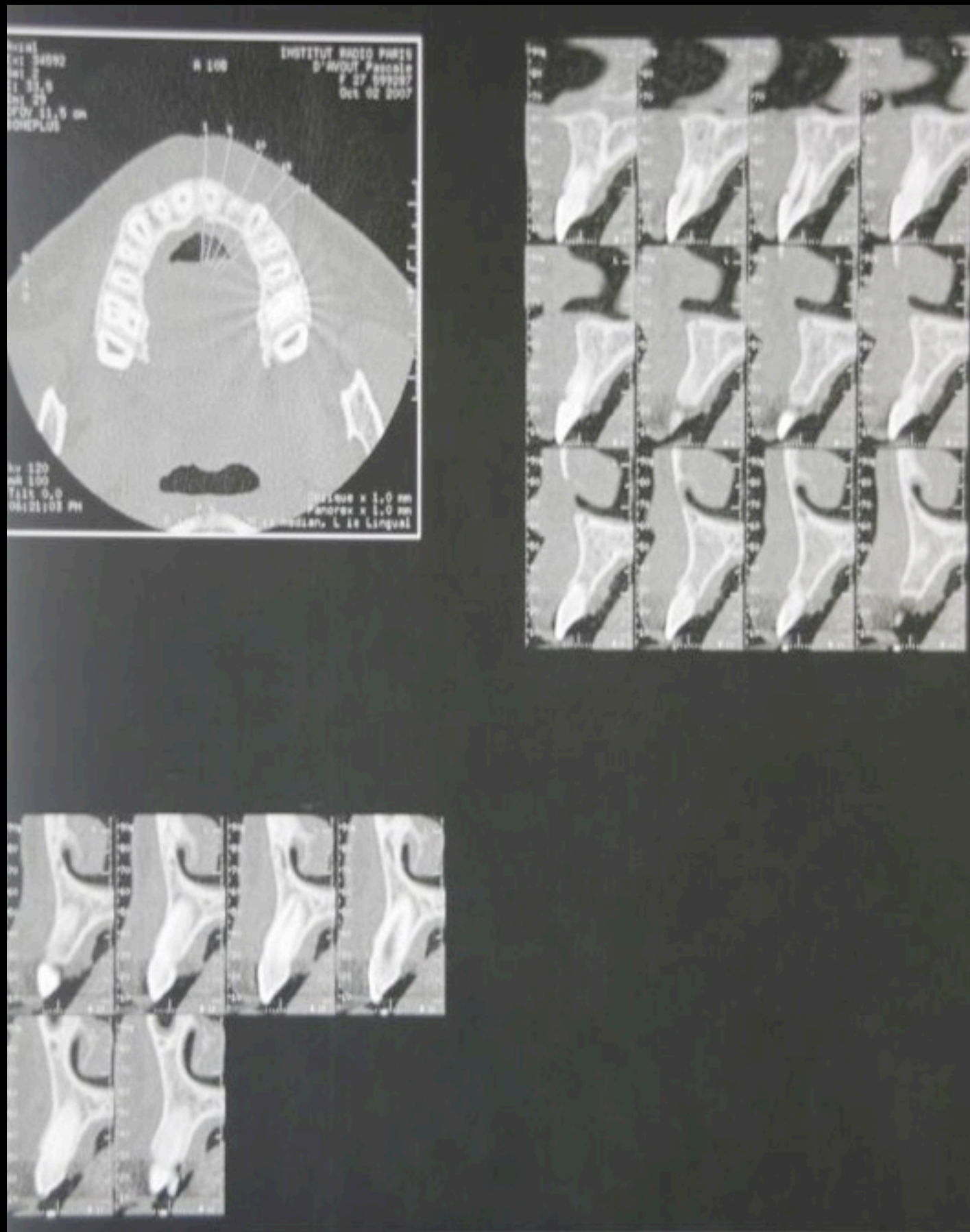
1. Simplicité de réalisation,
2. coût faible
3. Axe prothétique « idéal » de mise en place des implants

INCONVENIENTS :

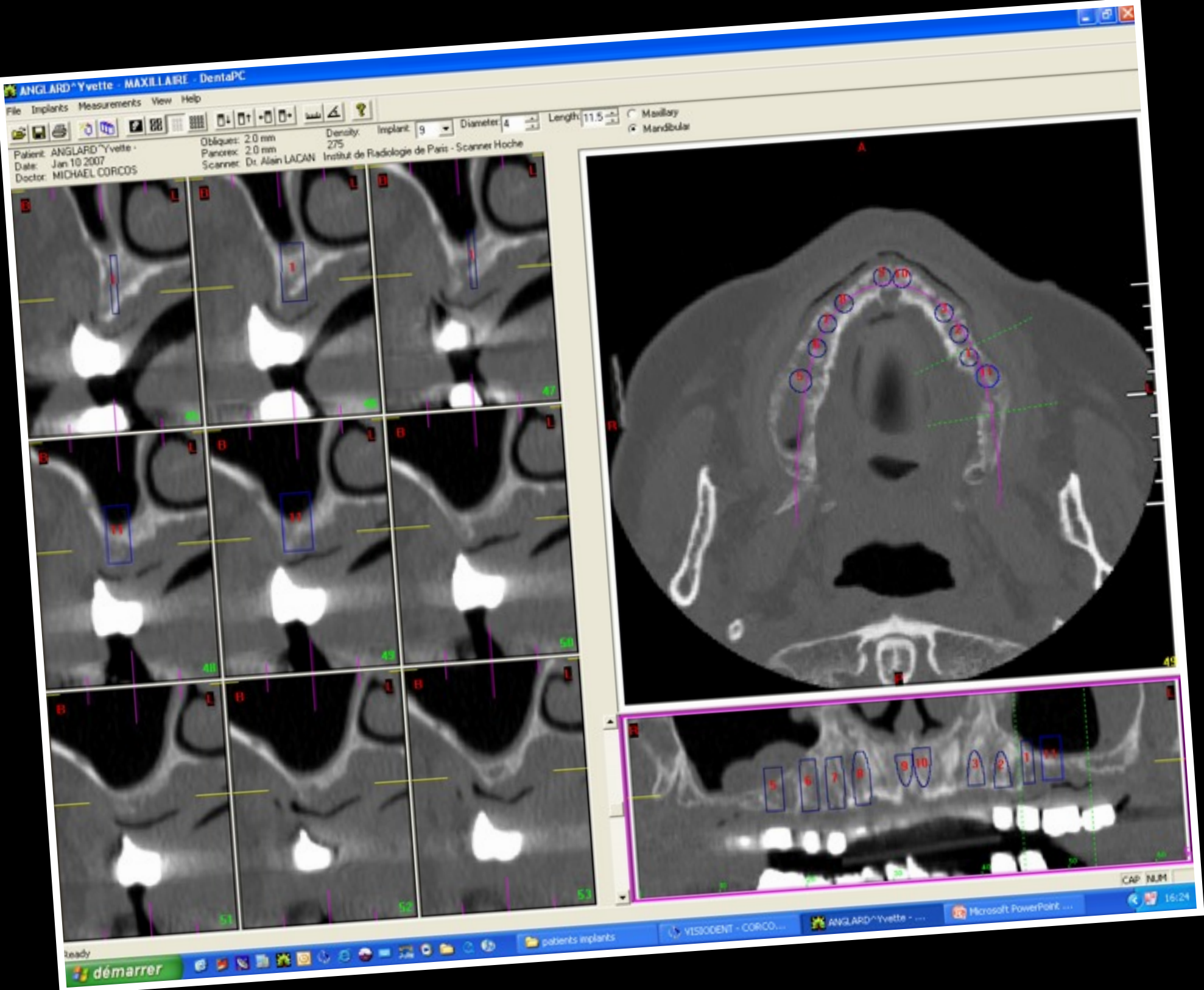
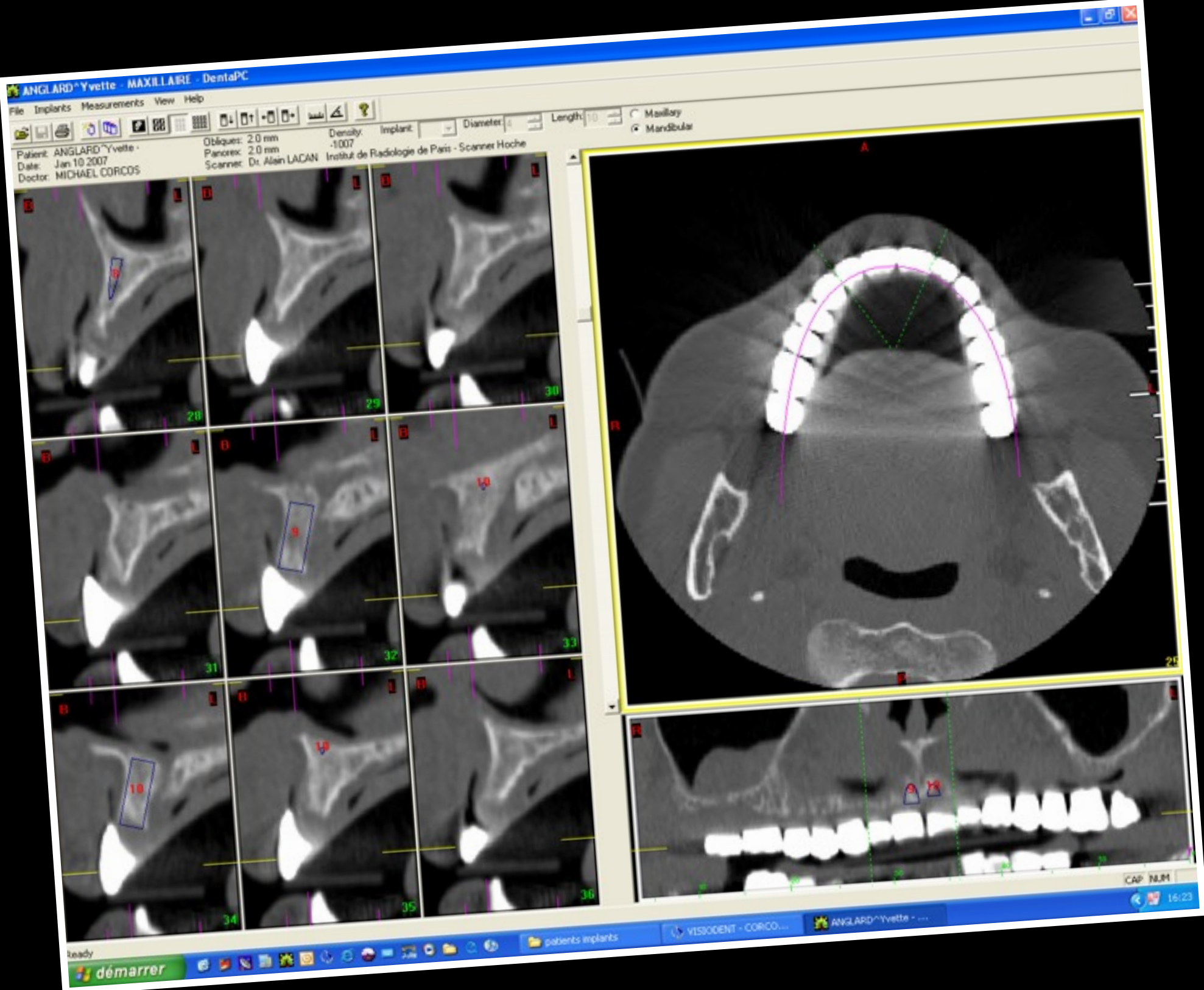
1. Anatomie osseuse permet peu le respect de l'axe idéal
2. Parallélisme des implants liés à la dextérité du chirurgien, ce guide transformé en guide chirurgical servant simplement au forêt pilote.



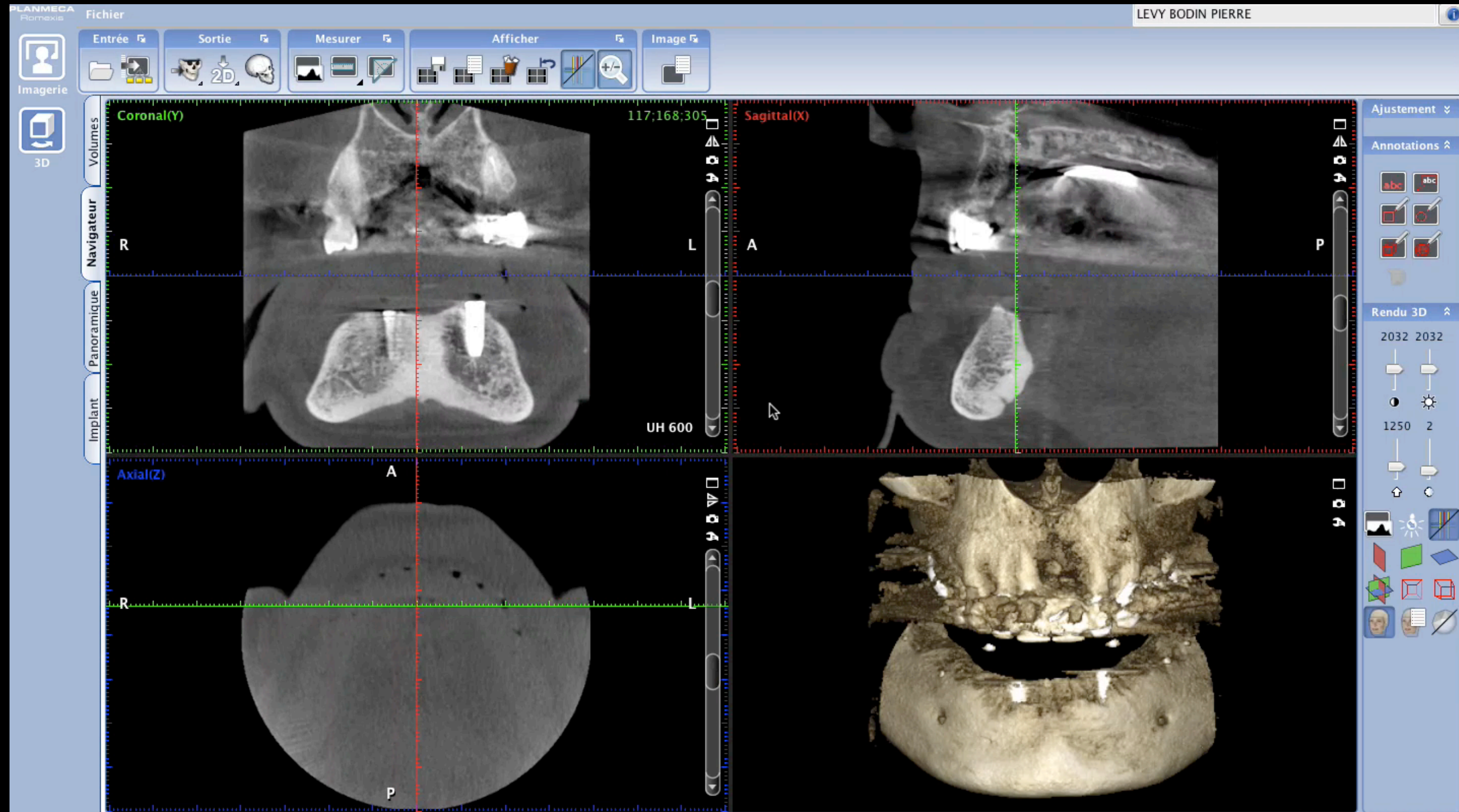
Planification sur planche radiologique







Cone Beam



Le transfert précis de la position spatiale souhaitée de l'implant dans le site clinique constitue le maillon faible du traitement implanto-prothétique.

Quand la divergence entre la position prévue et réelle de l'implant est importante, le traitement prothétique doit être adapté ou modifié.

Ces situations sont souvent à la base de compromis esthétiques et/ou biomécaniques qui portent préjudices au pronostic du traitement et à la satisfaction du patient.

Checking license...



NobelClinician

© 2010 Nobel Biocare Services AG. All rights reserved.

© 2010 Nobel Biocare Services AG. All rights reserved.

Quelle est la solution?

Utiliser un logiciel de navigation chirurgicale implantaire pour optimiser la position des implants grâce au guide chirurgical.

La phase de temporisation entre la mise en place des implants et la mise en charge peut être problématique voire délétère dans certaines situations.

Il était « frustrant » d'avoir placé des implants dans la situation exacte souhaitée et de ne pas pouvoir placer une prothèse transitoire plus confortable pour le patient

L'évolution des logiciels nous permet aujourd'hui de palier ce manque.





Medical Record

Collaboration

New Open Delete Import Export Place Online Share Remove Online Stop Sharing Edit Sharing

Assistant

- Medical Records
 - All Patients
 - Stored Locally
 - Placed Online
 - Shared With Me
- Orders
 - All Orders
- My Practice
 - Scanner Calibration
- Nobel Biocare
 - News
 - Events

- CATHERINE G
 - Last saved: 2010-12-14
 - Created: 2010-12-14 11:00:00
- CELINA KEHR
 - Last saved: 2011-01-12
 - Created: 2011-01-12 11:00:00
- CLAUDE CHIFFOLEAU
 - Last saved: 2011-02-06
 - Created: 2010-12-22 09:00:00
- Denis (test) P...
 - Last saved: 2011-04-12
 - Placed online: 2010-12-14 11:00:00
- DIANA DRAGAN
 - Last saved: 2011-06-07
 - Created: 2010-12-10 11:00:00
- ELISABETH BA...
 - Last saved: 2011-01-25
 - Created: 2011-01-25 11:00:00
- Julian GHERSIN
 - Last saved: 2011-01-25
 - Created: 2011-01-04 11:00:00
- Julian GHERSIN
 - Last saved: 2011-05-03 08:45:35
 - Created: 2011-01-04 11:44:00
- LAHOUARI BOUGHEZAL

Checking license...

NobelClinician

© 2010 Nobel Biocare Services AG. All rights reserved.

Treatment 1 - RIV71_approved_on_20100430 Created on 2010-04-09

Treatment 1 - RIV71_approved_on_20100411 Created on 2010-04-09

Treatment 1 - RIV71_approved_on_20100409 Created on 2010-04-09

Treatment 1 - RIV71_approved_on_20100409 Created on 2010-04-09

Search

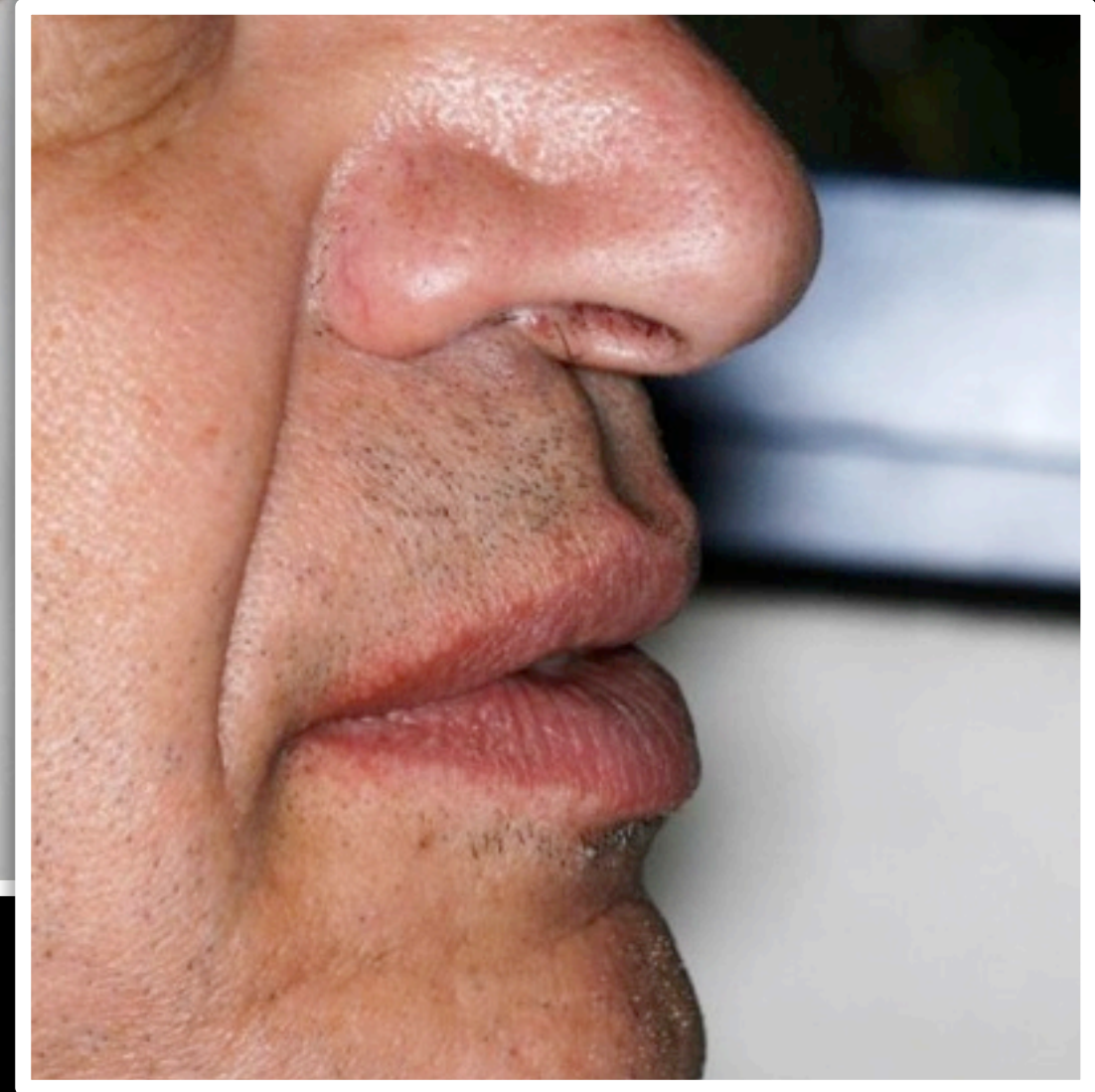
Chronologie du NobelGuide

Phase Préparatoire

Les implants viennent étayer un projet prothétique.
Donc la première phase consiste à réaliser le projet, à vérifier le cas échéant de la qualité des prothèses existantes, voire d'en fabriquer.

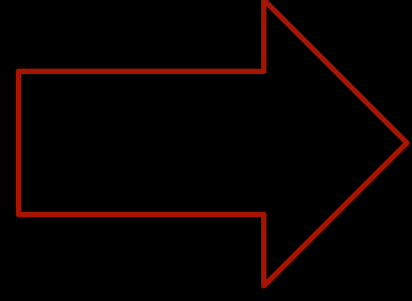


Validation du projet prothétique



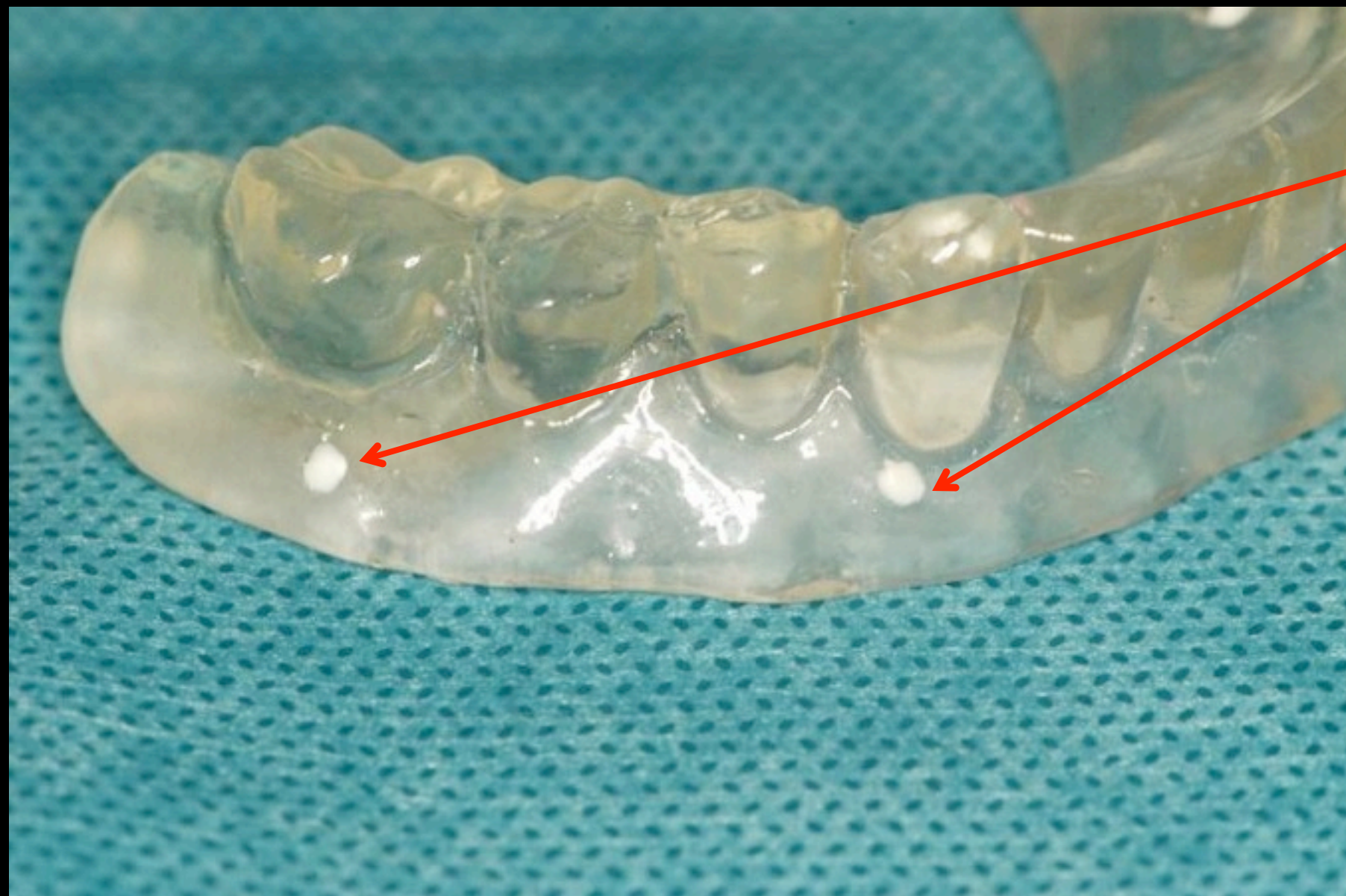
1. Réalisation du Guide d'imagerie





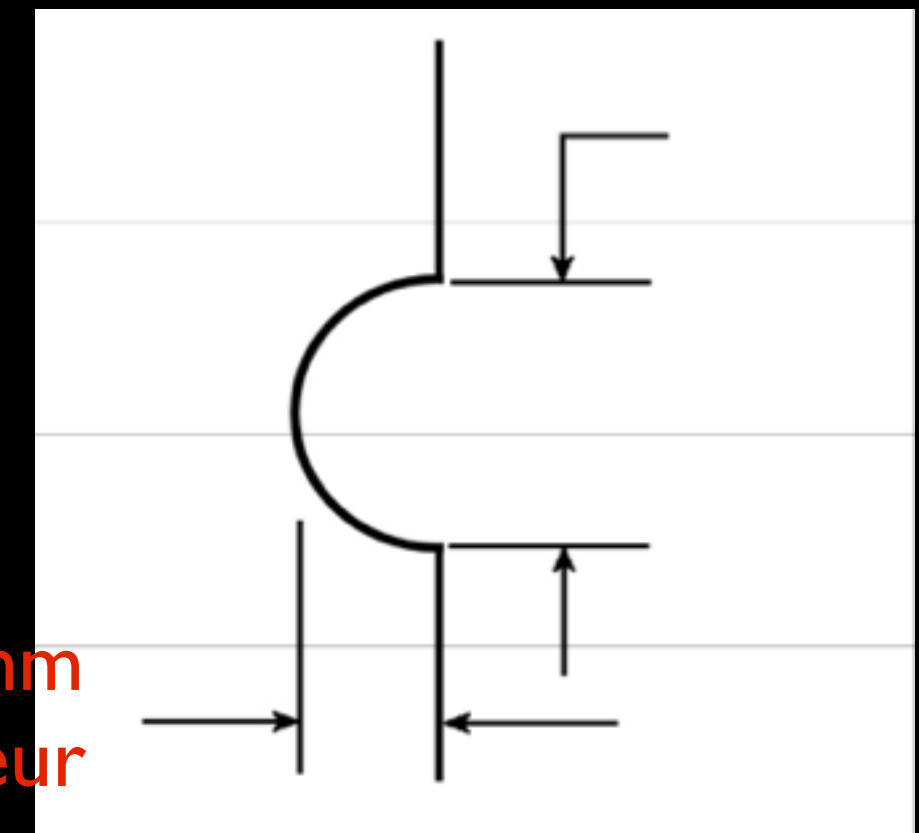
2. Mise en place des marqueurs radiographiques

Au nombre de 6 au minimum, ces marqueurs sont répartis sur le duplicata de la prothèse.



Il sont soit en gutta, soit en Cavit. Ils permettent le repositionnement du guide dans le logiciel.

1-1.5 mm
diametre



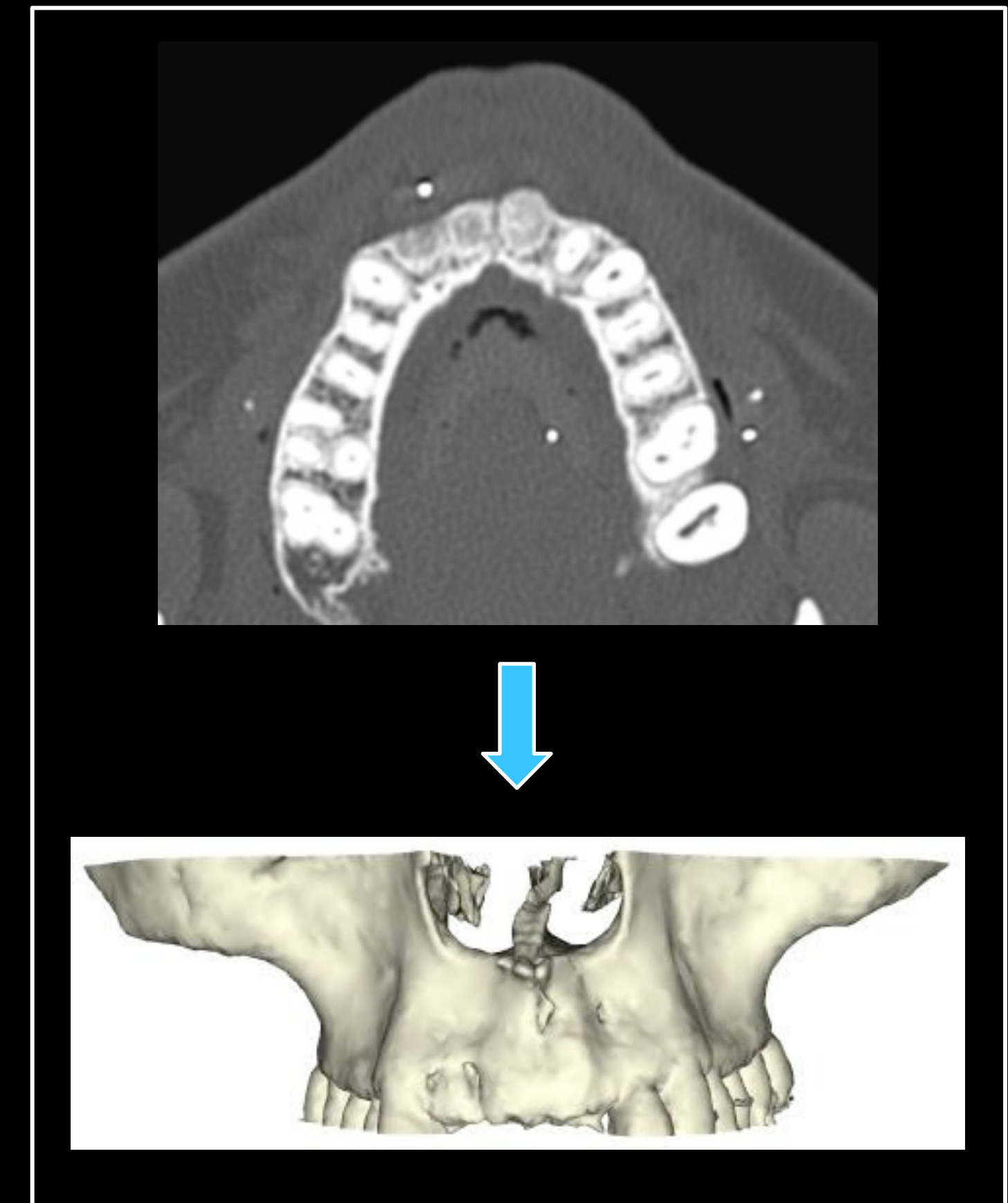
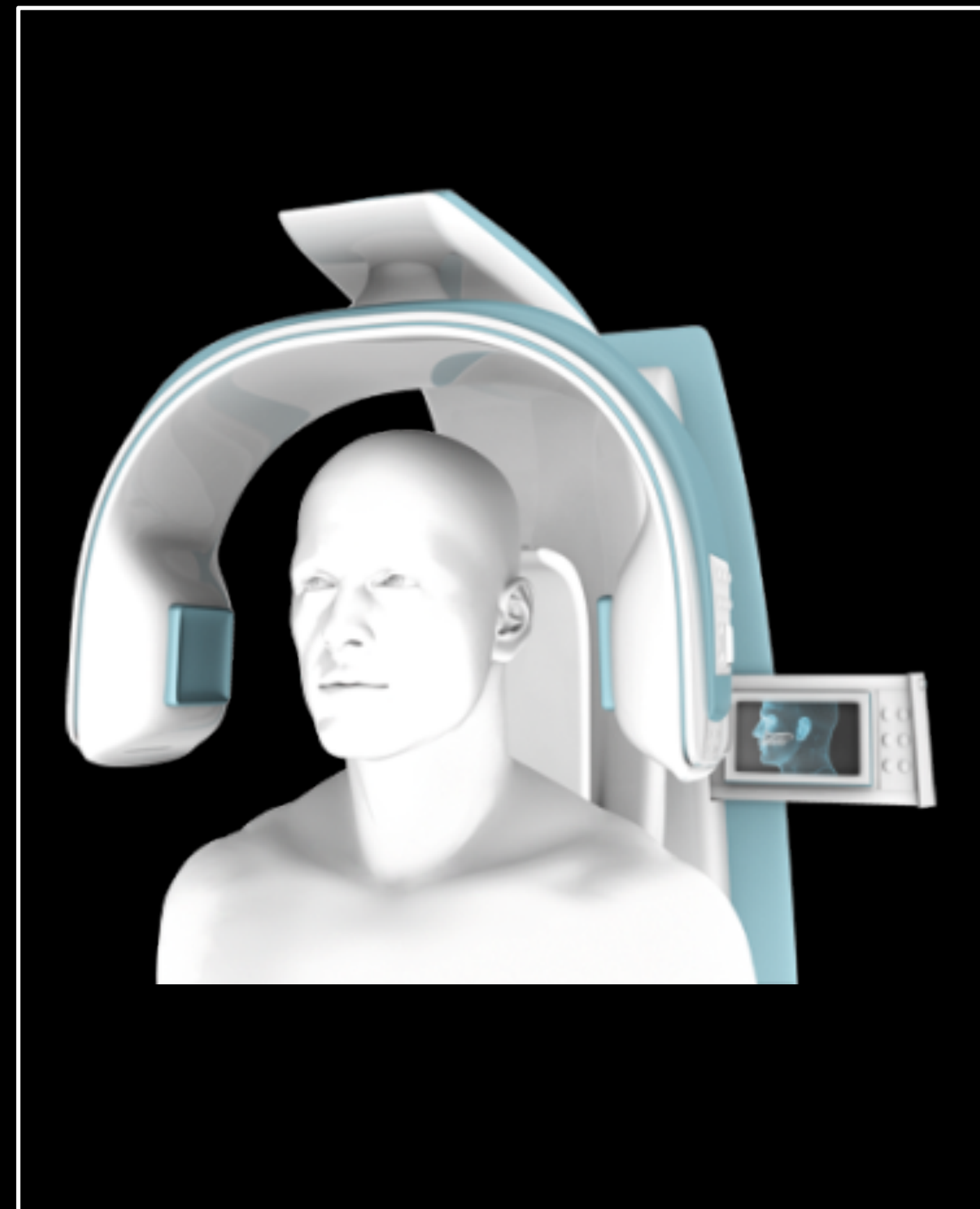
1 mm
profondeur

3. Réalisation d'un index radiographique ou mordu de repositionnement



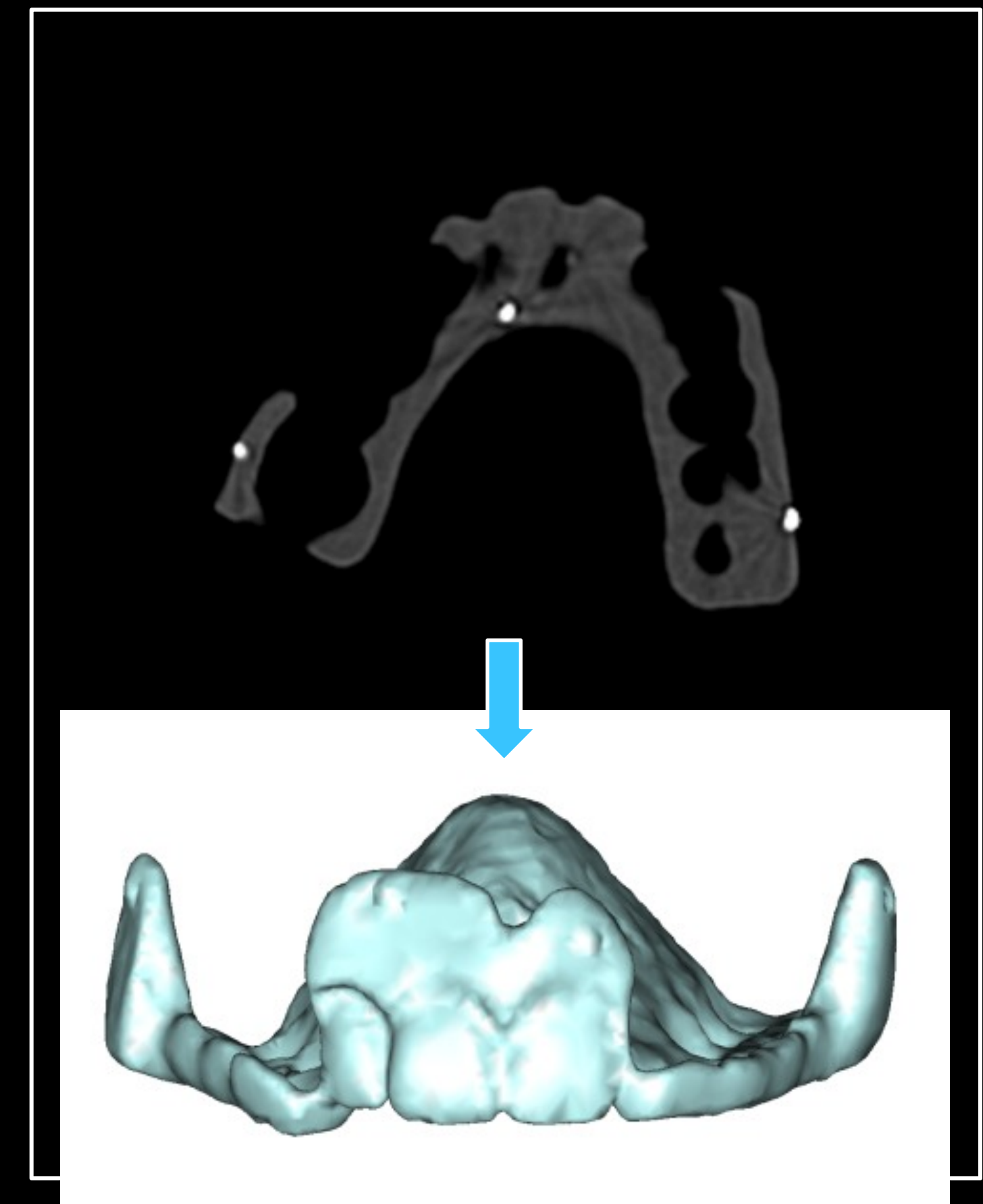
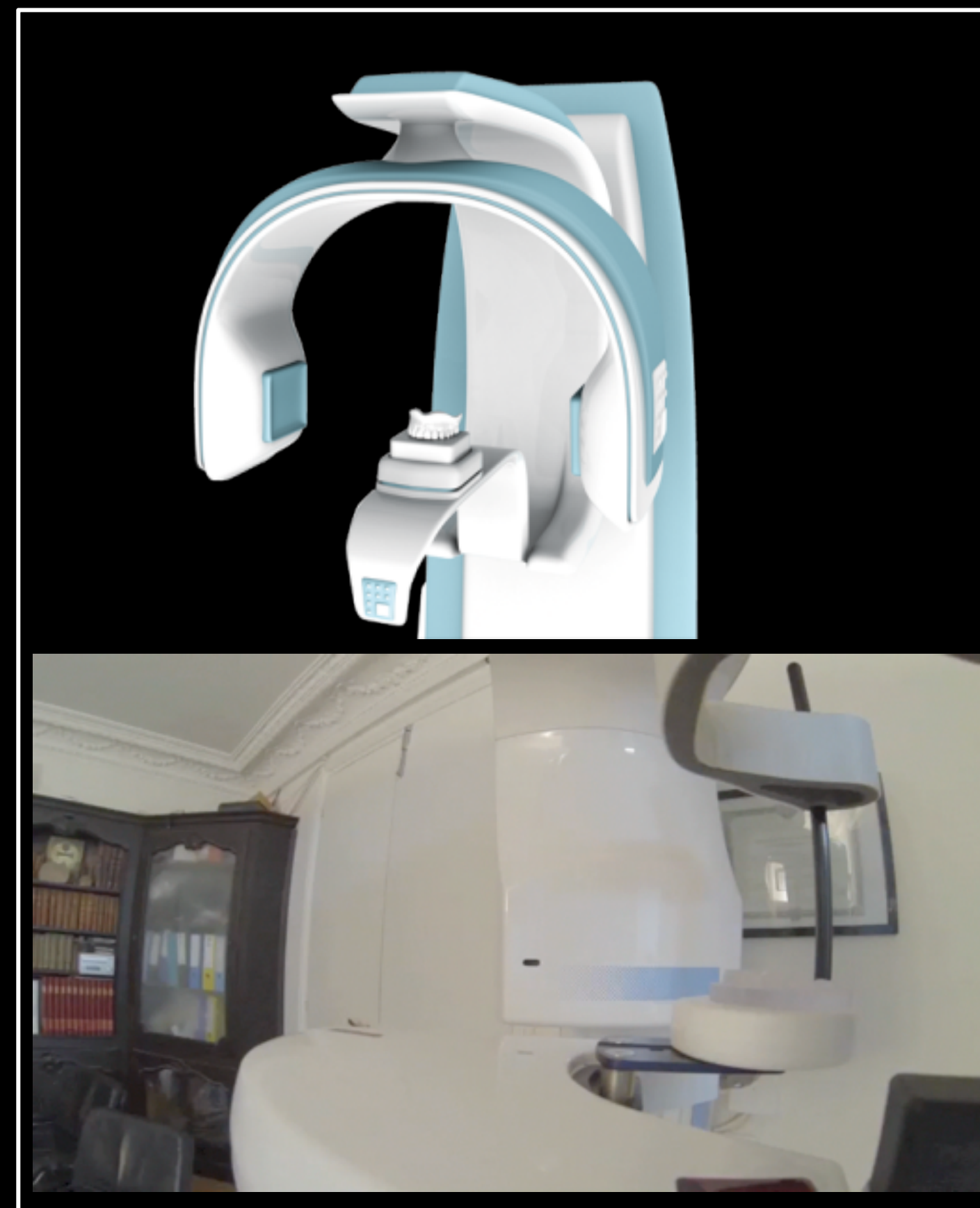
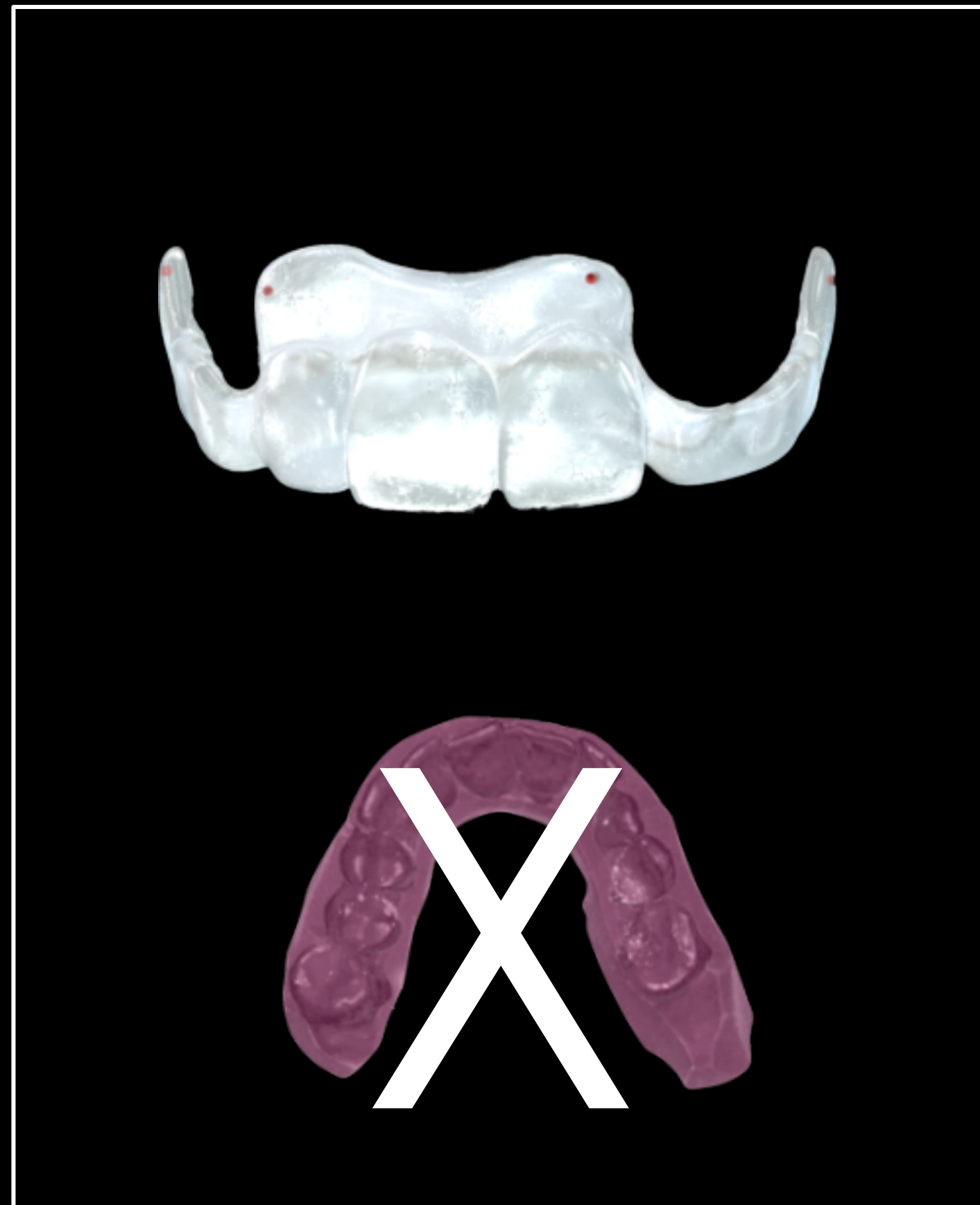
Technique du Double Scan

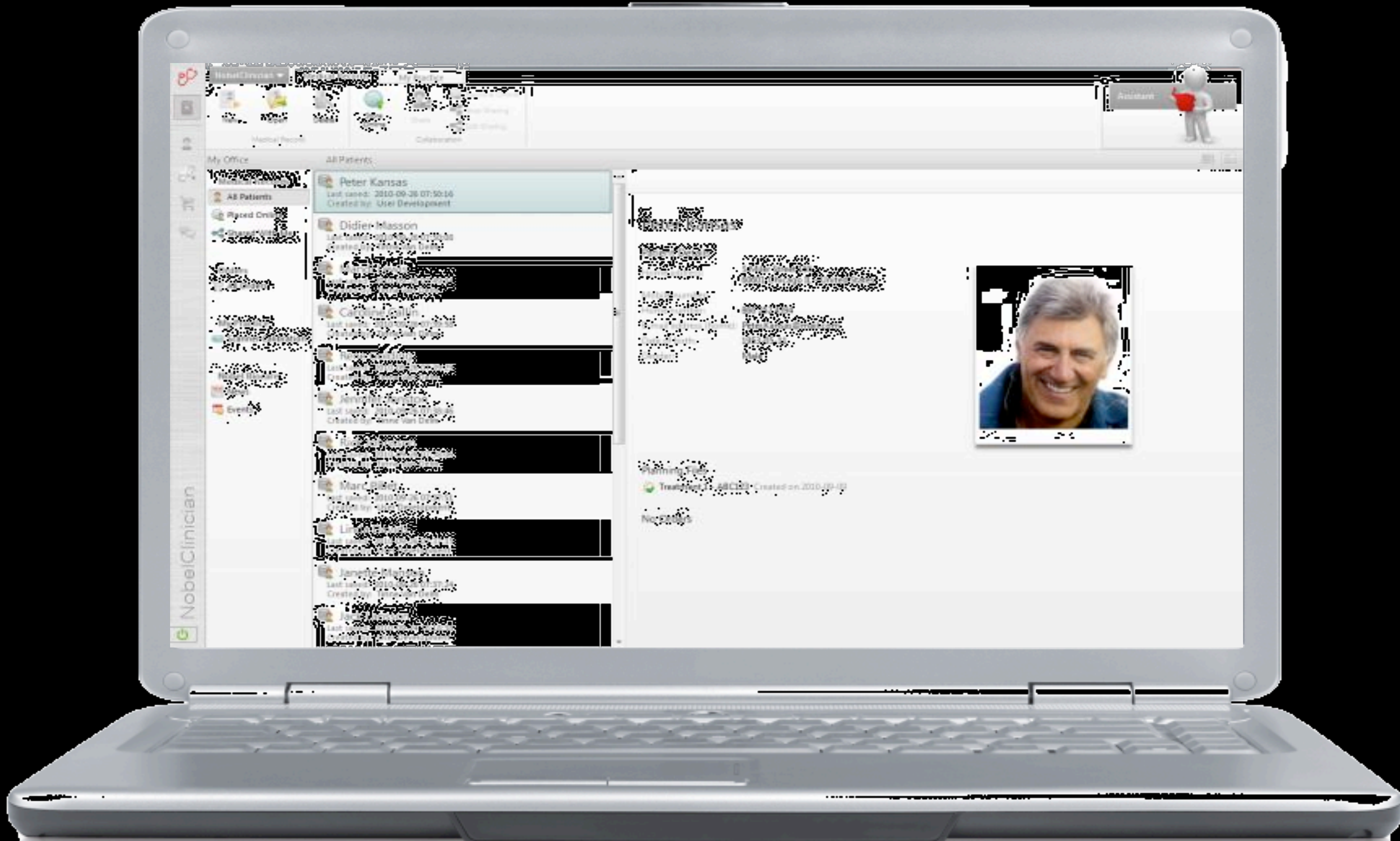
Scan 1: Le patient porte le guide radiographique et le guide de repositionnement



Technique du Double Scan

Scan 2: Scan du Guide radiographique SEUL





NobelClinician

My Office | All Patients

Peter Kansas
Last used: 2010-09-26 07:50:16
Created by: User Development

Didier Masson
Last used: 2010-09-26 07:50:16
Created by: User Development

Caroline Collin
Last used: 2010-09-26 07:50:16
Created by: User Development

Janet van Dijk
Last used: 2010-09-26 07:50:16
Created by: Anne van Dijk

Marc Bida
Last used: 2010-09-26 07:50:16
Created by: User Development


Li
Last used: 2010-09-26 07:50:16
Created by: User Development

Janette Madsen
Last used: 2010-09-26 07:50:16
Created by: User Development

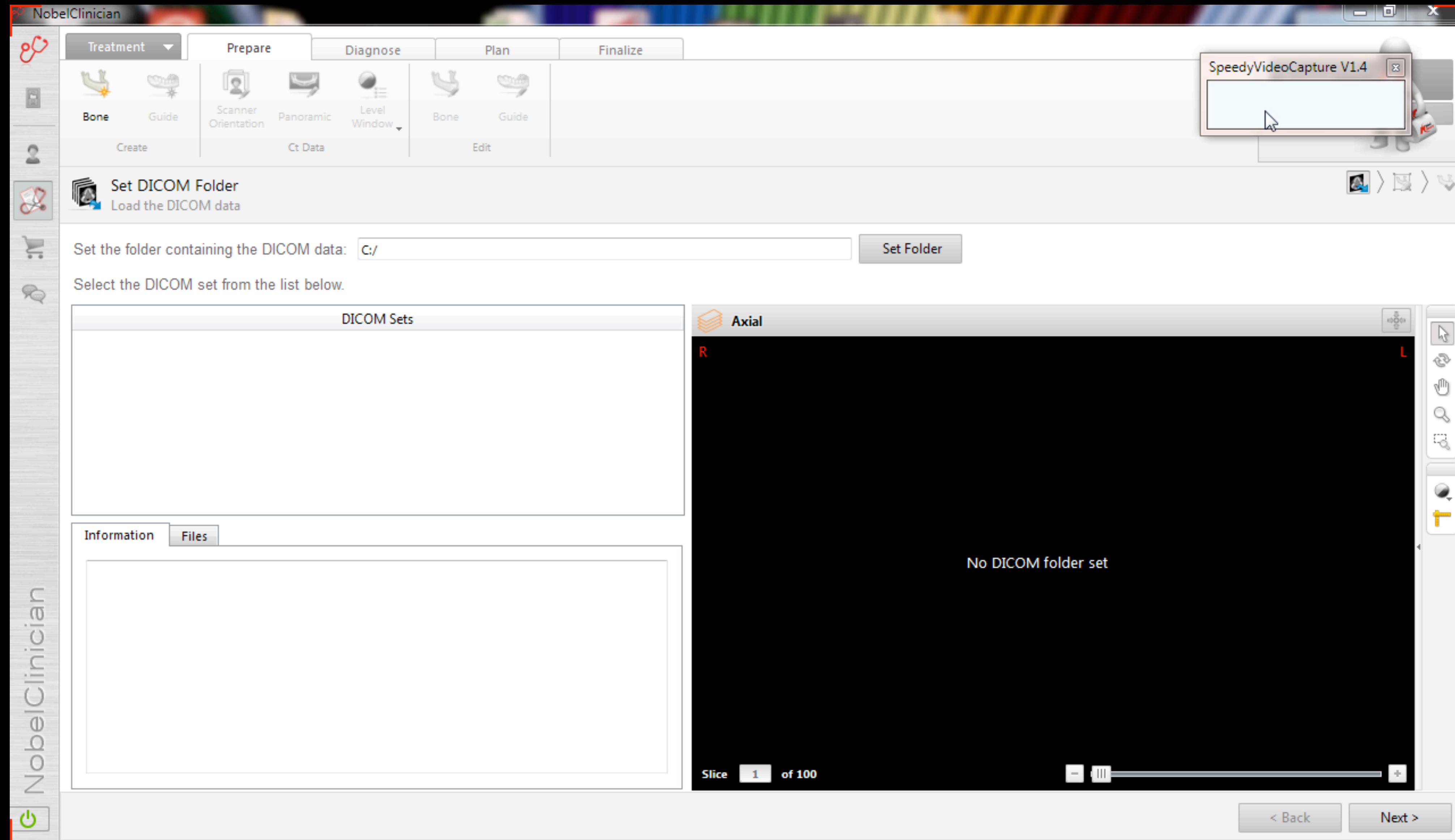
Planning Tools
Treatment: ABC123 - Created on 2010-09-26

Notes

Assistant



5. Conversion des données DICOM en 3D



SpeedyVideoCapture V1.4

Bone Guide Scanner Orientation Panoramic Level Window Bone Guide

Set DICOM Folder Load the DICOM data

Set the folder containing the DICOM data: D:\DICOM Set Folder

Select the DICOM set from the list below.

- DICOM Sets
MANO^Jean Louis : Less than 2 slices
MANO^Jean Louis : Less than 2 slices
MANO^Jean Louis
MANO^Jean Louis : Less than 2 slices
MANO^Jean Louis : Less than 2 slices

Information Files
Error Message
The DICOM set has less than 2 slices
DICOM Set Details
PatientsName : MANO^Jean Louis
StudyDate : 20110211
ReferringPhysiciansName : MANO^Jean Louis
InstitutionName : INSTITUT RADIO PARIS
Modality : CT
GantryDetectorTilt : 0.000000
ConvolutionKernel : STANDARD
Manufacturer : GE MEDICAL SYSTEMS





Treatment

Prepare

Diagnose

Plan

Finalize



Bone Guide

Create



Scanner Orientation Panoramic Level Window

Ct Data



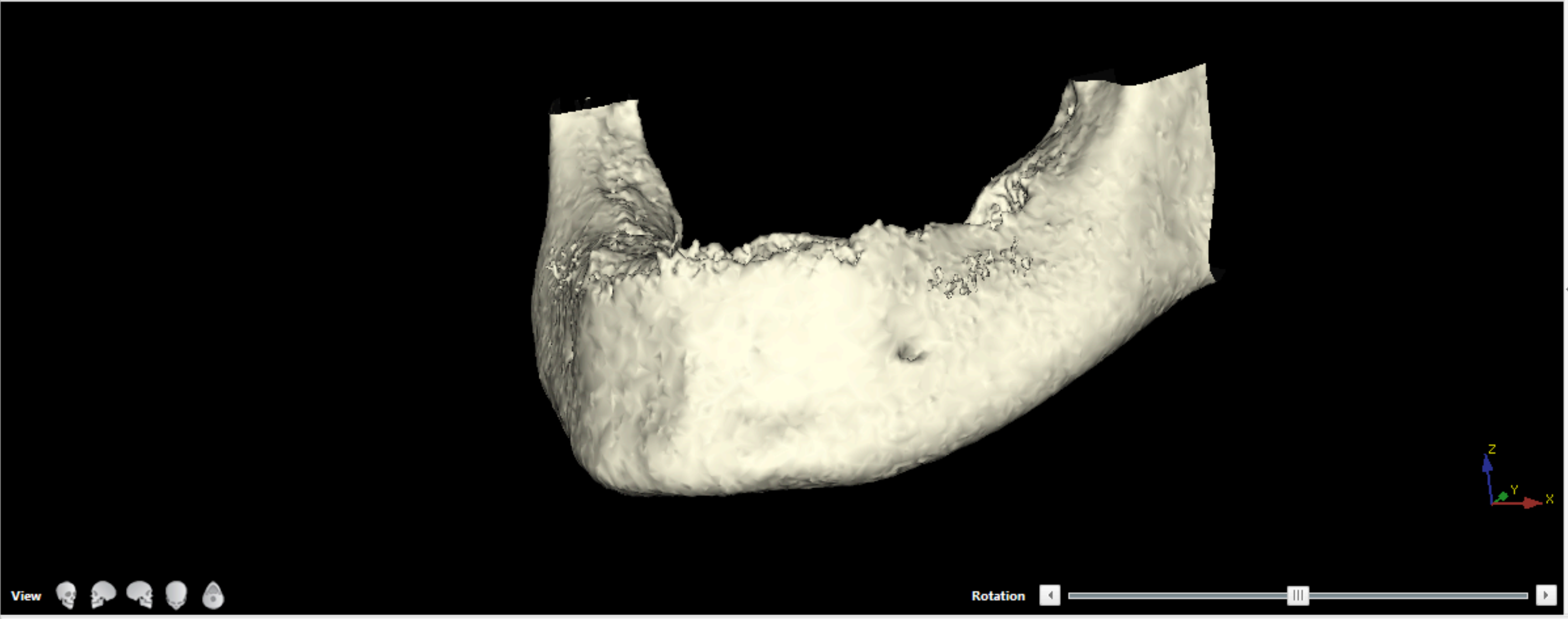
Bone Guide

Edit

SpeedyVideoCapture V1.4

Check 3D surface
 Check that the bone model is correct

3D Viewer



View

Rotation

Settings

< Back

Finish

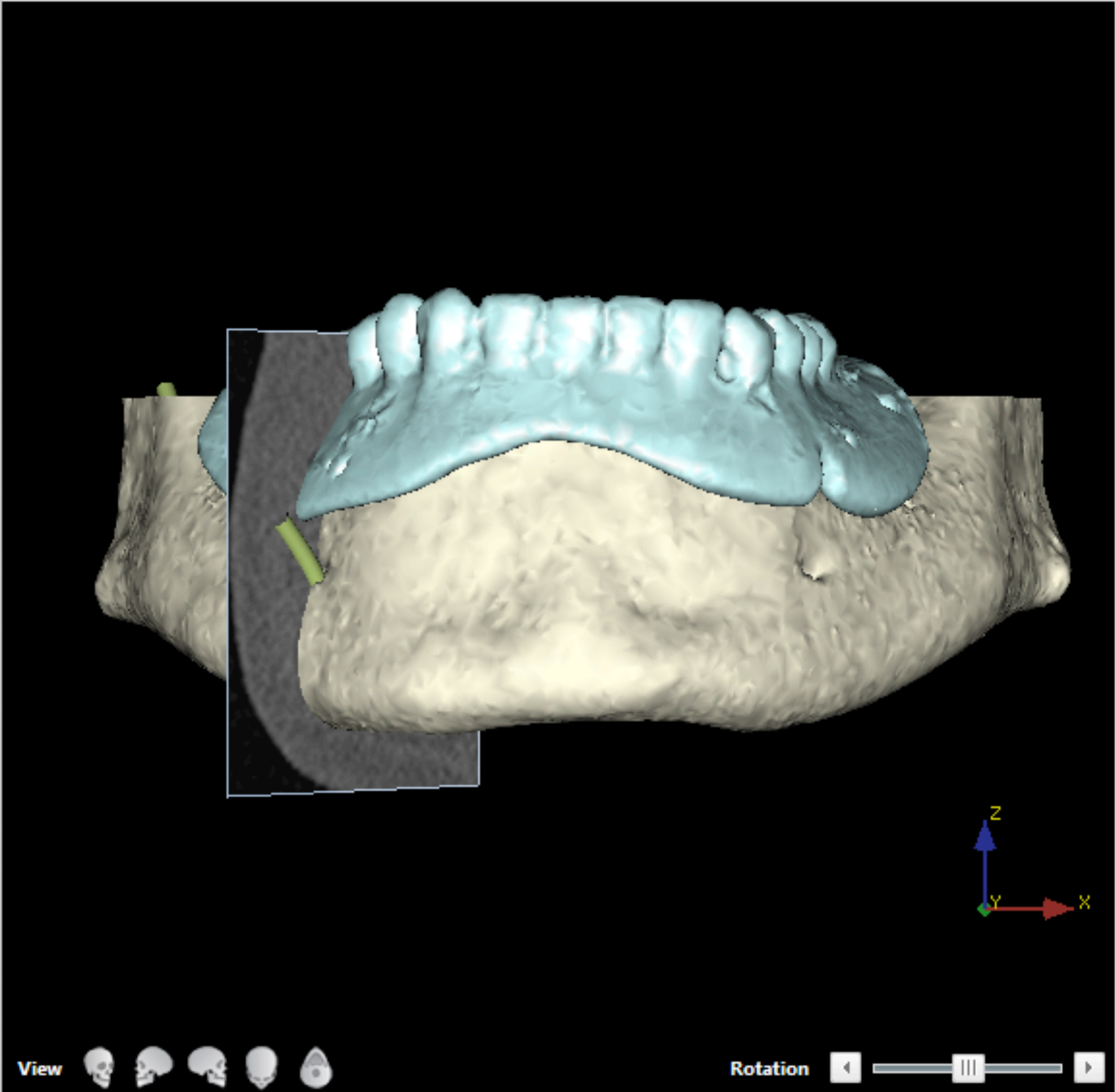
Treatment Prepare Diagnose Plan Finalize

Nerve Point Line Distance Angle HU Value Implant angle Change Workspace Set Focus

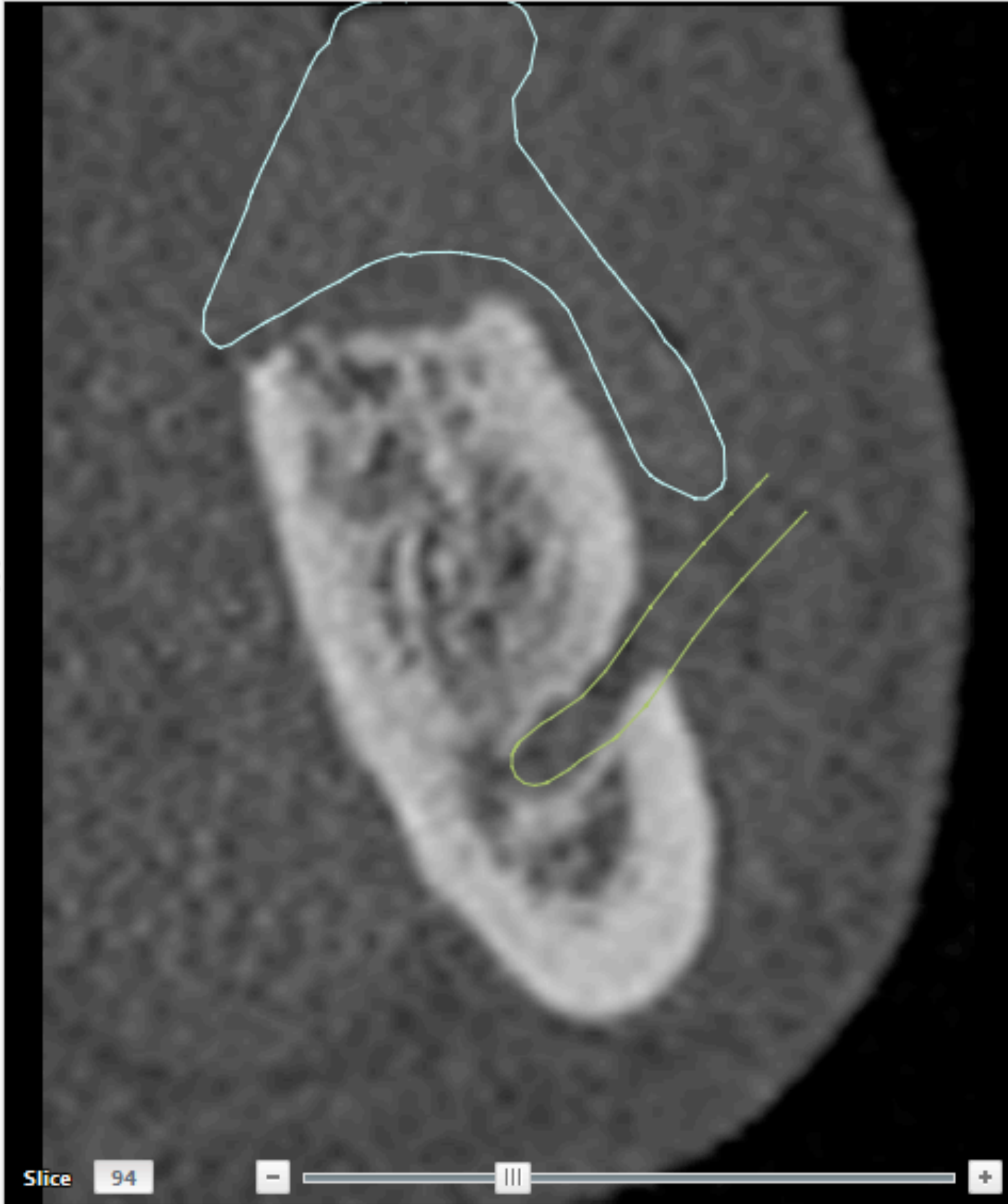
Annotation Measurements Workspaces

SpeedyVideoCapture V1.4

3D Viewer



Perpendicular



Interaction Mode

Tools

- Save
- Undo
- Redo
- Level / Window
- Snapshot
- Change Workspace
- Set Focus
- Rulers

Crossed Editor

- Attach To Curve
- Attach To Implant
- Attach To Anchor Pin
- Next
- Previous

Visibility Editor

General Objects

- Bone
- Radiographic Guide
- Nerves

Reslice Objects

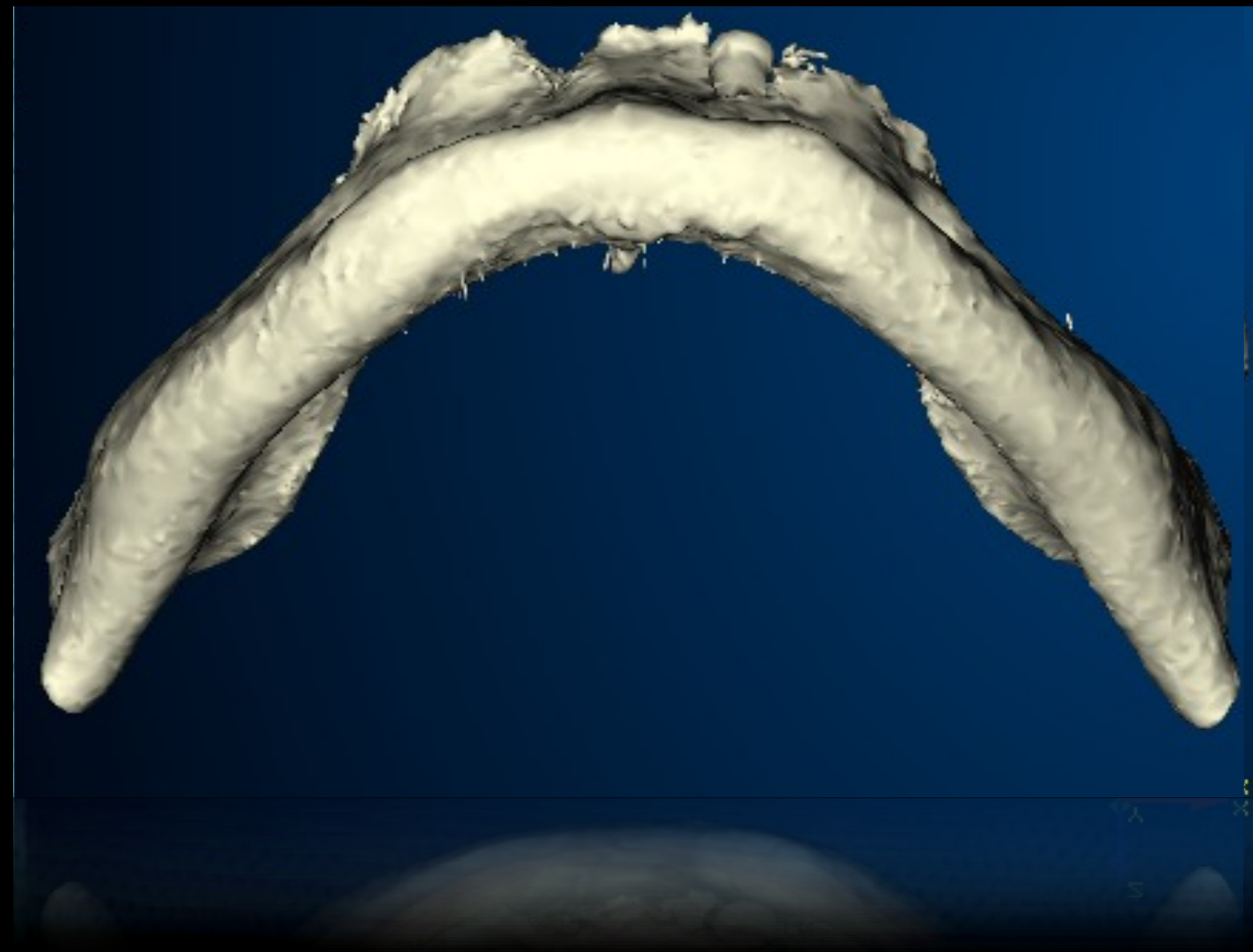
- Cross-sectional

NobelClinician

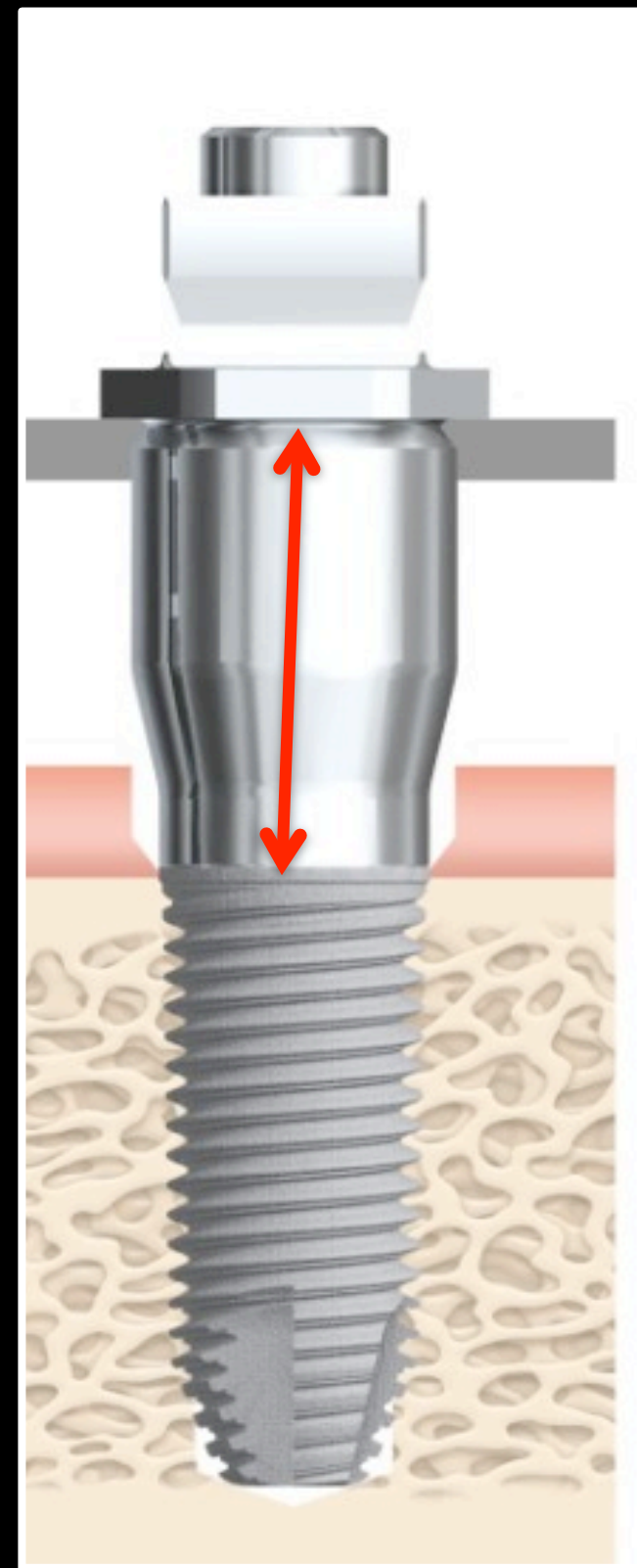
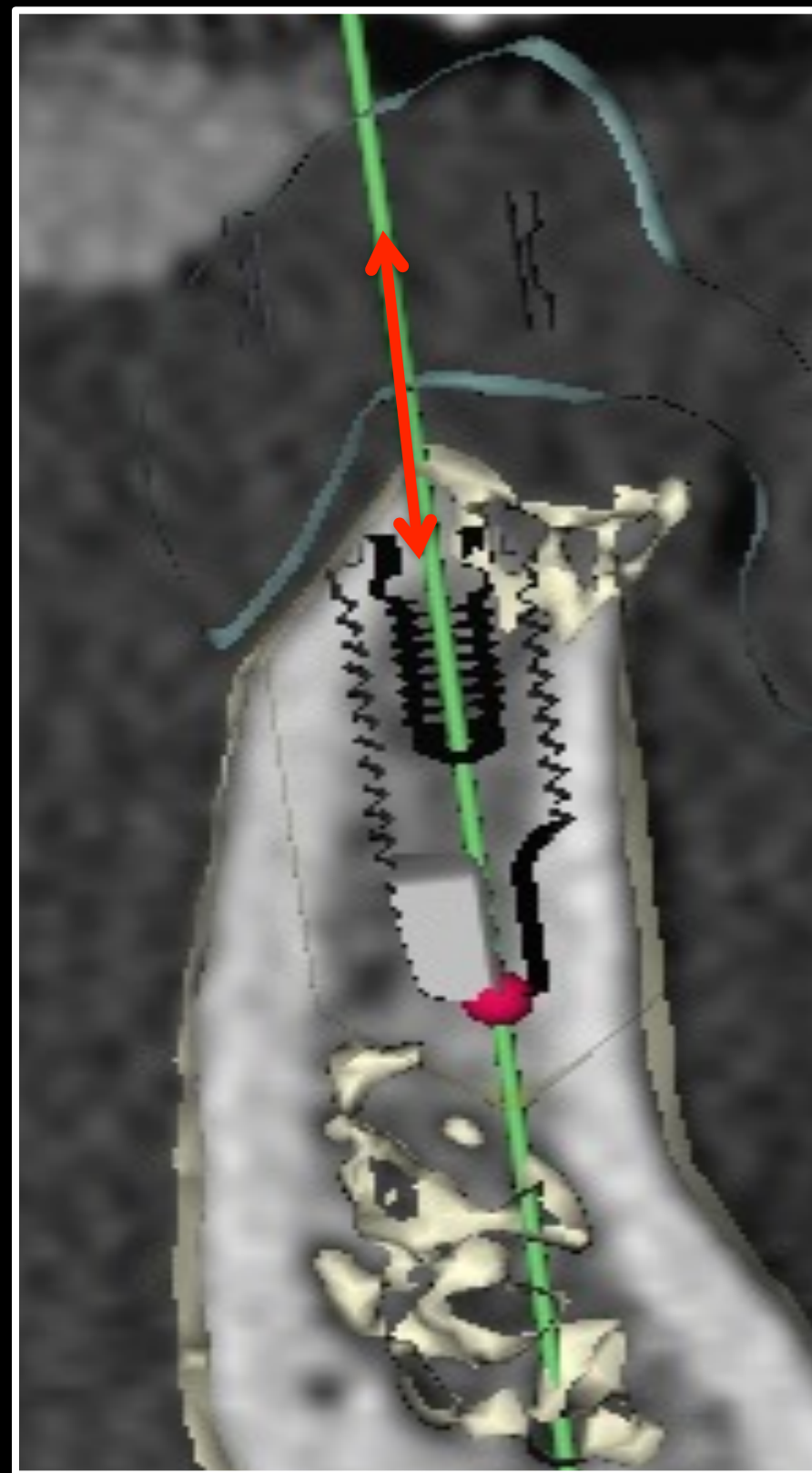
View [Icons] Rotation [Slider]

Slice 94 [Slider]

6. Passage du réel au virtuel



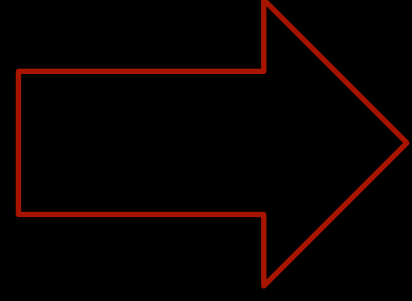
7. Impératifs du système = LIMITES



Il existe un impératif lors de la planification, en effet, il y a une distance qui a été fixée entre le haut du plateau du cylindre guide et le col de l'implant:

cette distance est de 9 mm

9 mm



Treatment Prepare Diagnose Plan Finalize

Implant Abutment Anchor Pin Parallel Implant Cut Paste Parallelize All Change Product Remove Implant Remove Abutment Implant 1 Implant 2 Implant 3 Implant 4 More Favorites

Products Edit Favorites

SpeedyVideoCapture V1.4

3D Viewer

∅4 mm
13 mm

∅4 mm
13 mm

View [Icons] Rotation [Slider]

Perpendicular

Slice 173 [Slider]

Interaction Mode

Tools

- Save
- Undo
- Redo
- Level / Window
- Snapshot
- Change Workspace
- Set Focus
- Rulers

Crossed Editor

- Attach To Curve
- Attach To Implant
- Attach To Anchor Pin
- Next
- Previous

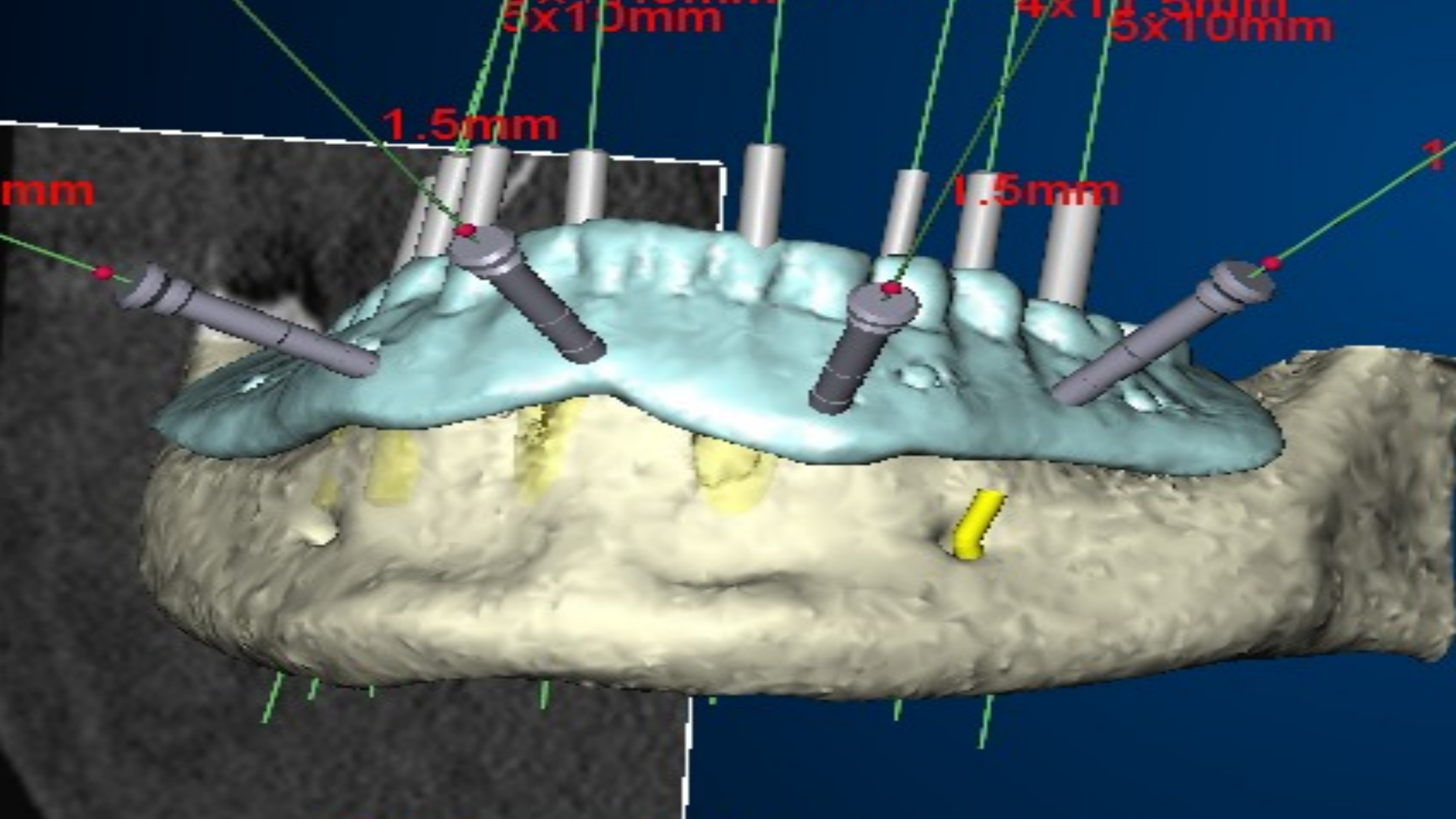
Visibility Editor

General Objects

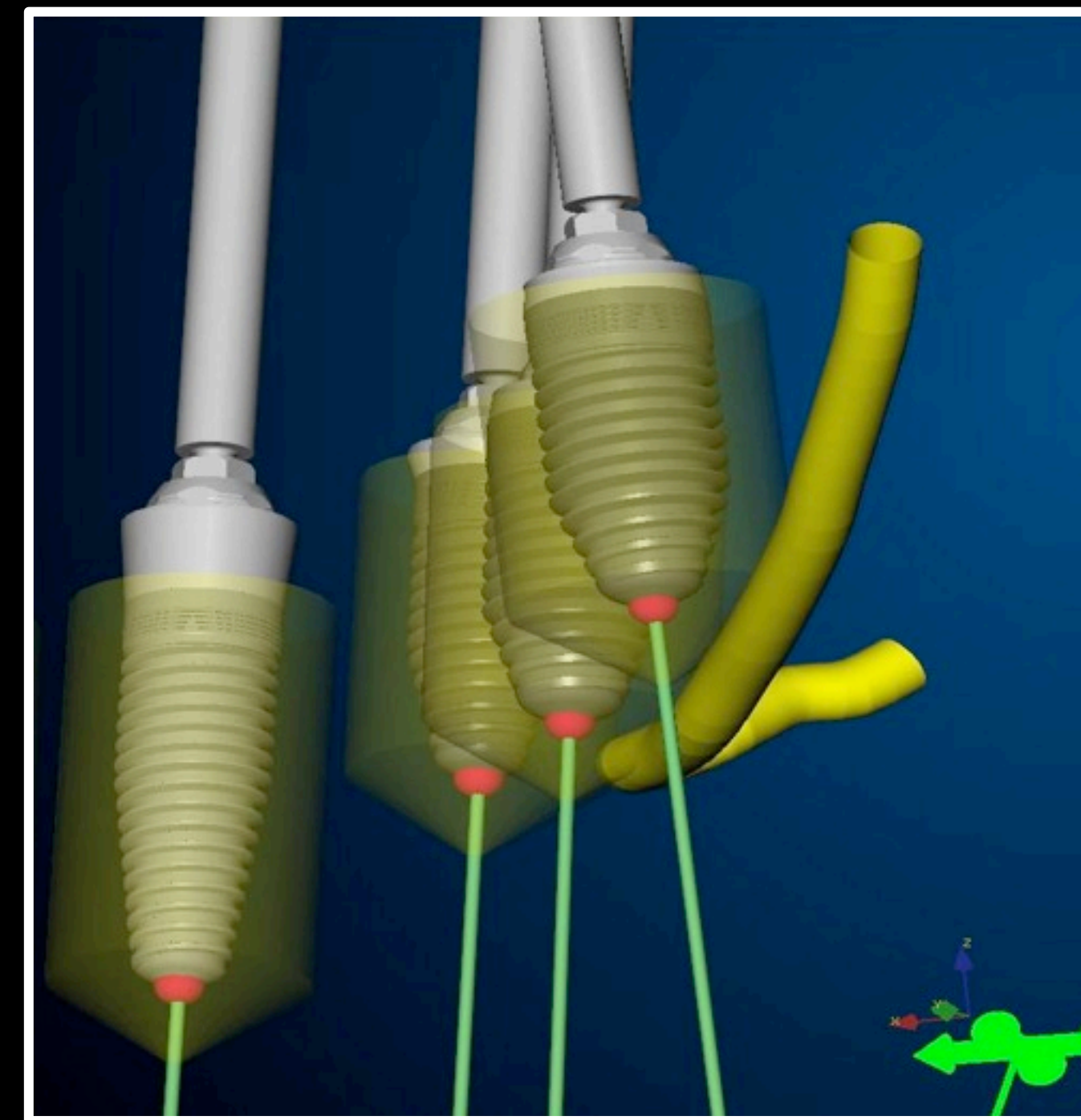
- Bone
- Radiographic Guide
- Nerves (2)

Planning Objects

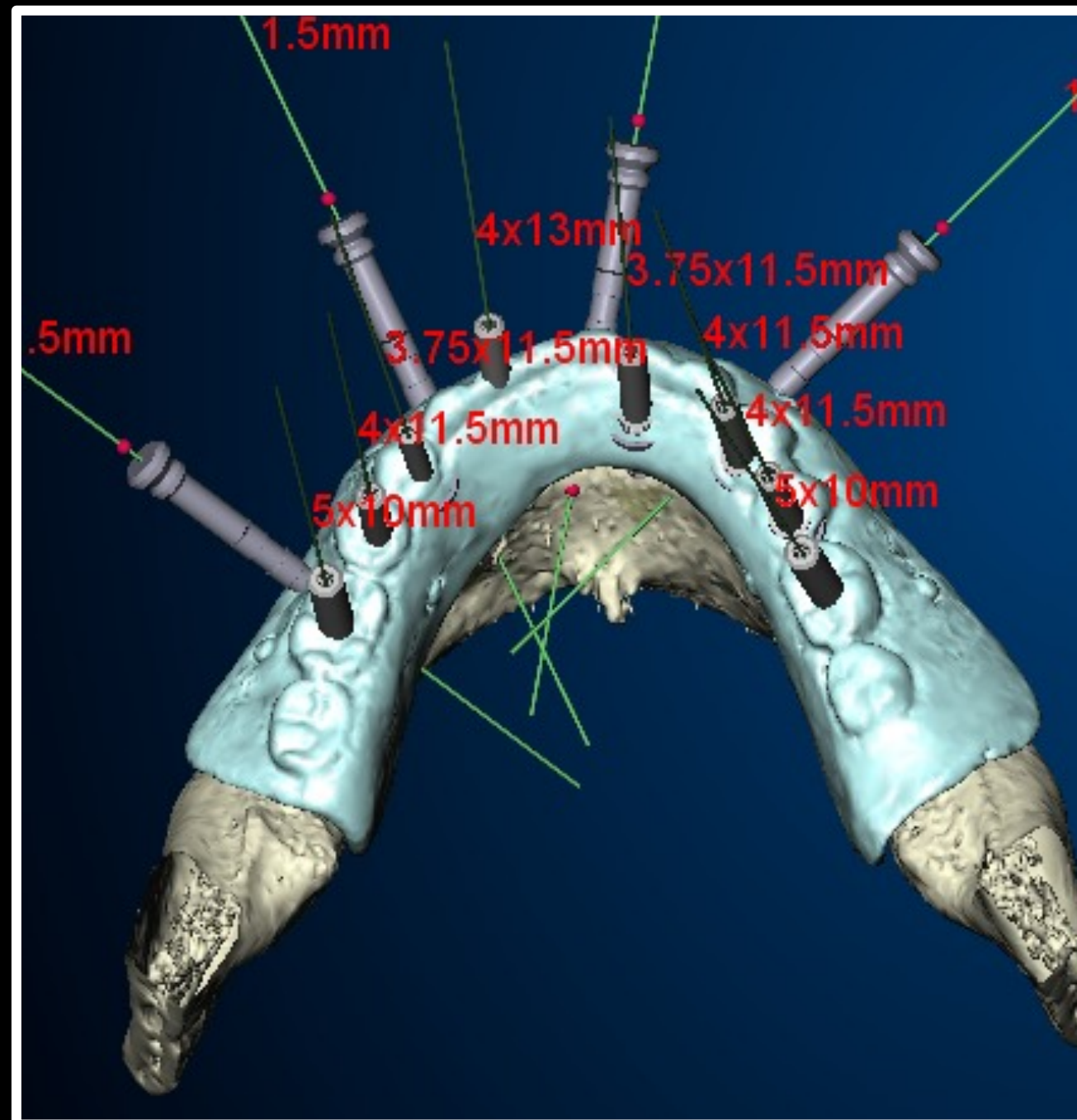
- Implants (2)

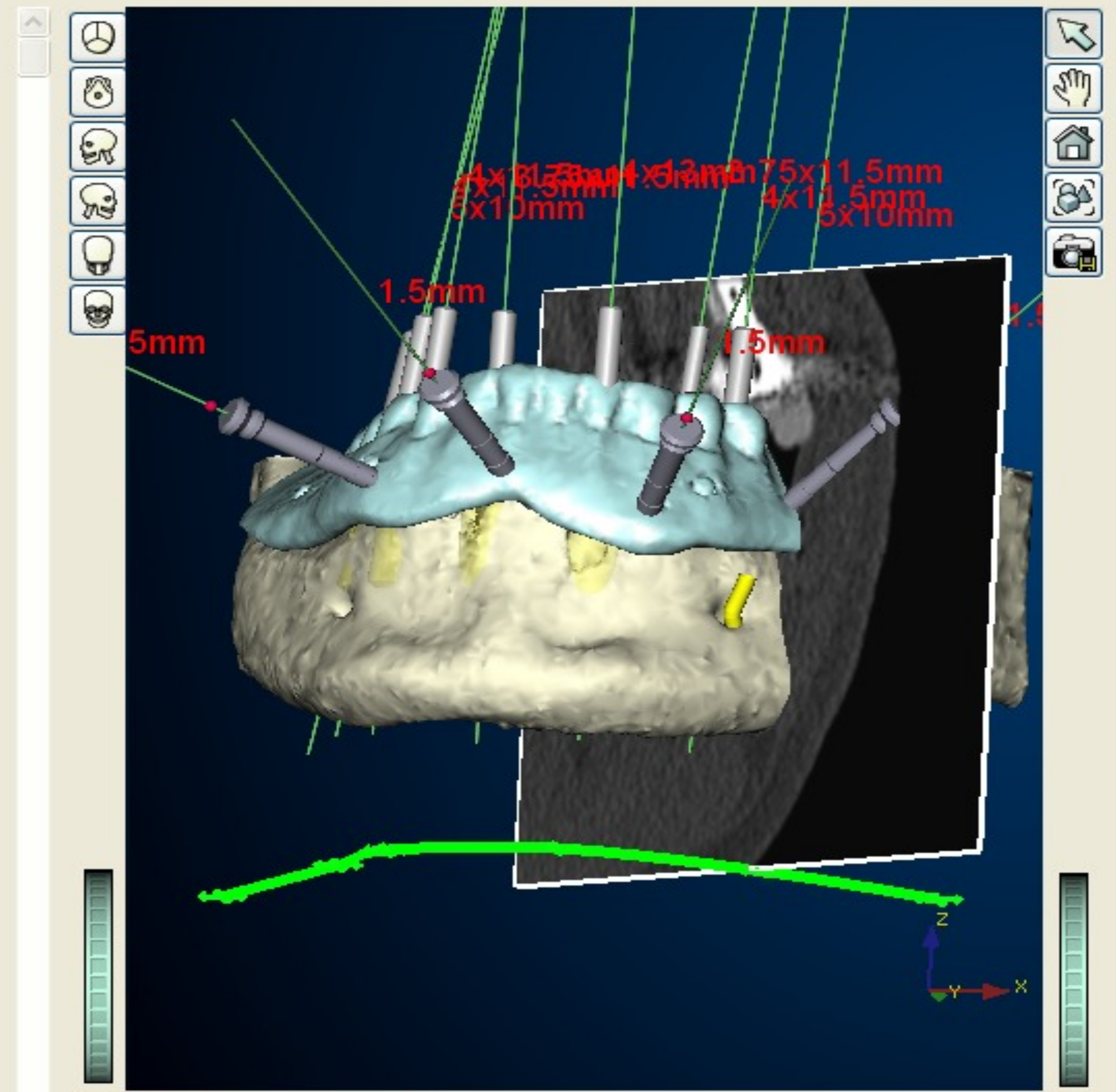


8. Contrôle des implants



9. Contrôle de l'émergence





RotX RotY

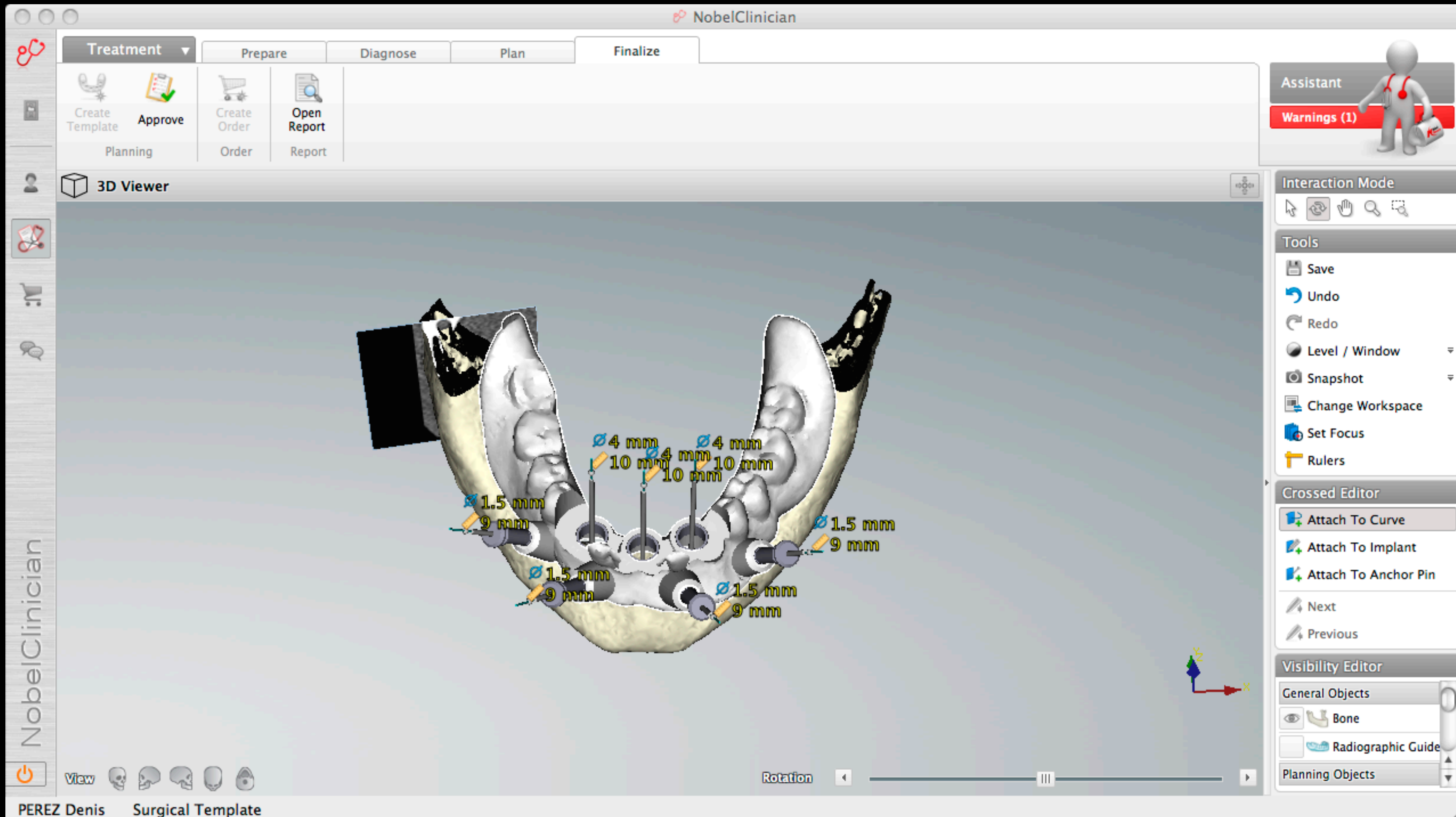
Zoom



TransY TransX

Zoom

10. Vérification du Guide Chirurgical

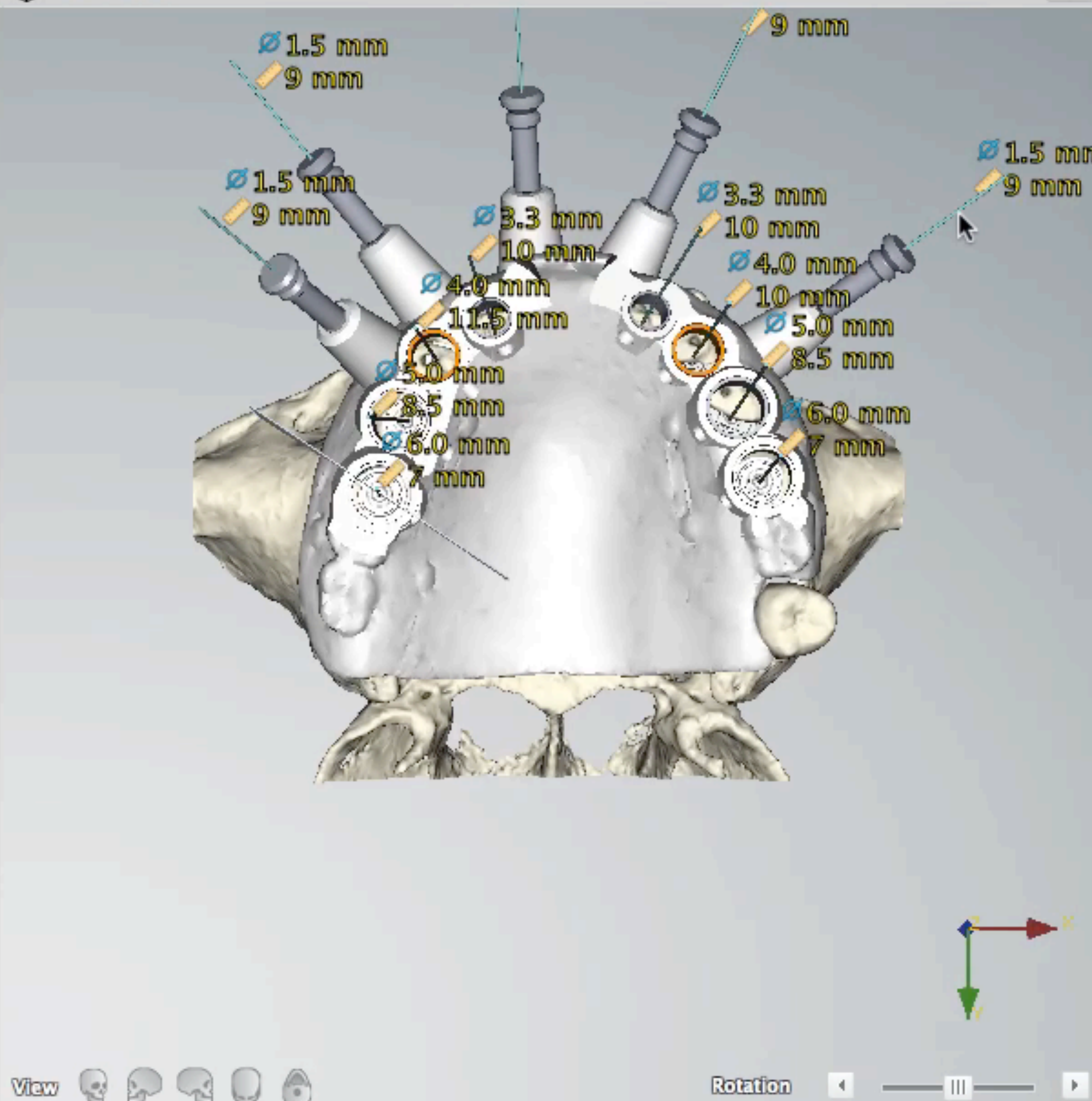


Bone Guide Edit Bone Edit Guide
 Scanner Orientation Reslice Curve Level Window Erase Artifacts
 Create Ct Data Objects

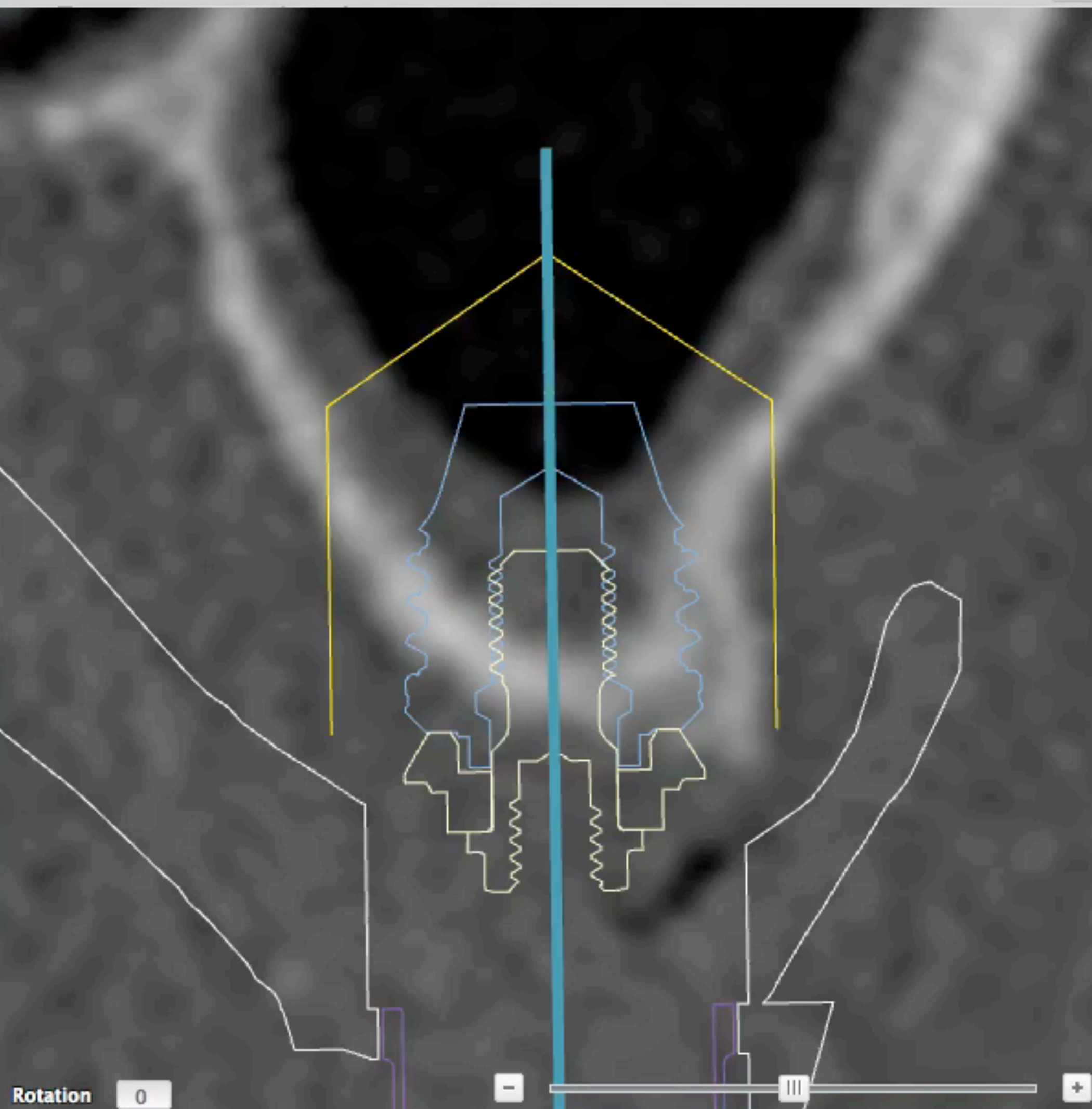
Assistant

Ordered

3D Viewer



Vertical [Attached to Implant]



Interaction Mode

Tools

- Save
- Undo
- Redo
- Level / Window
- Snapshot
- Change Workspace
- Set Focus
- Rulers

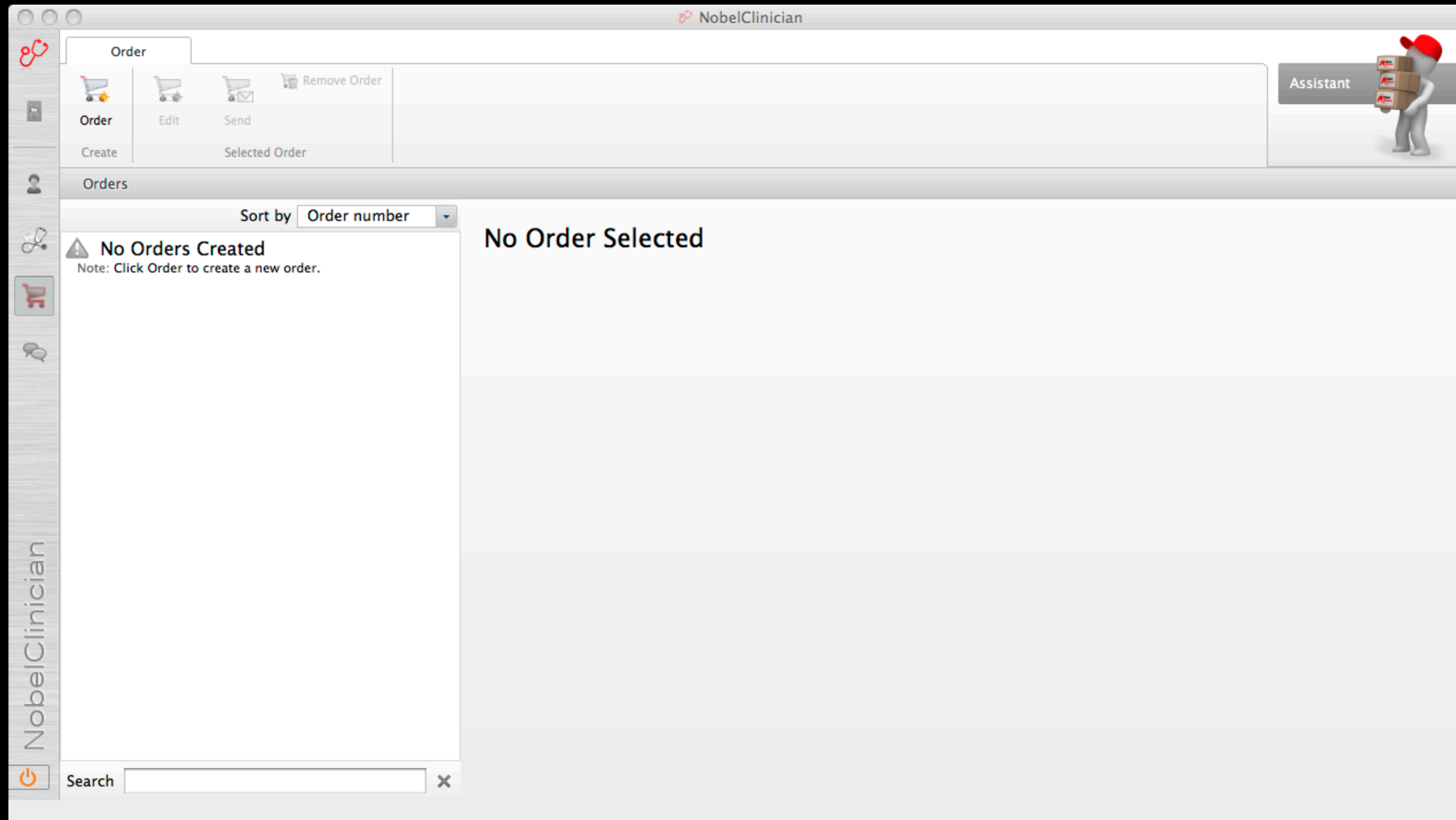
Crossed Editor

- Attach To Curve
- Attach To Implant
- Attach To Anchor Pin
- Next
- Previous

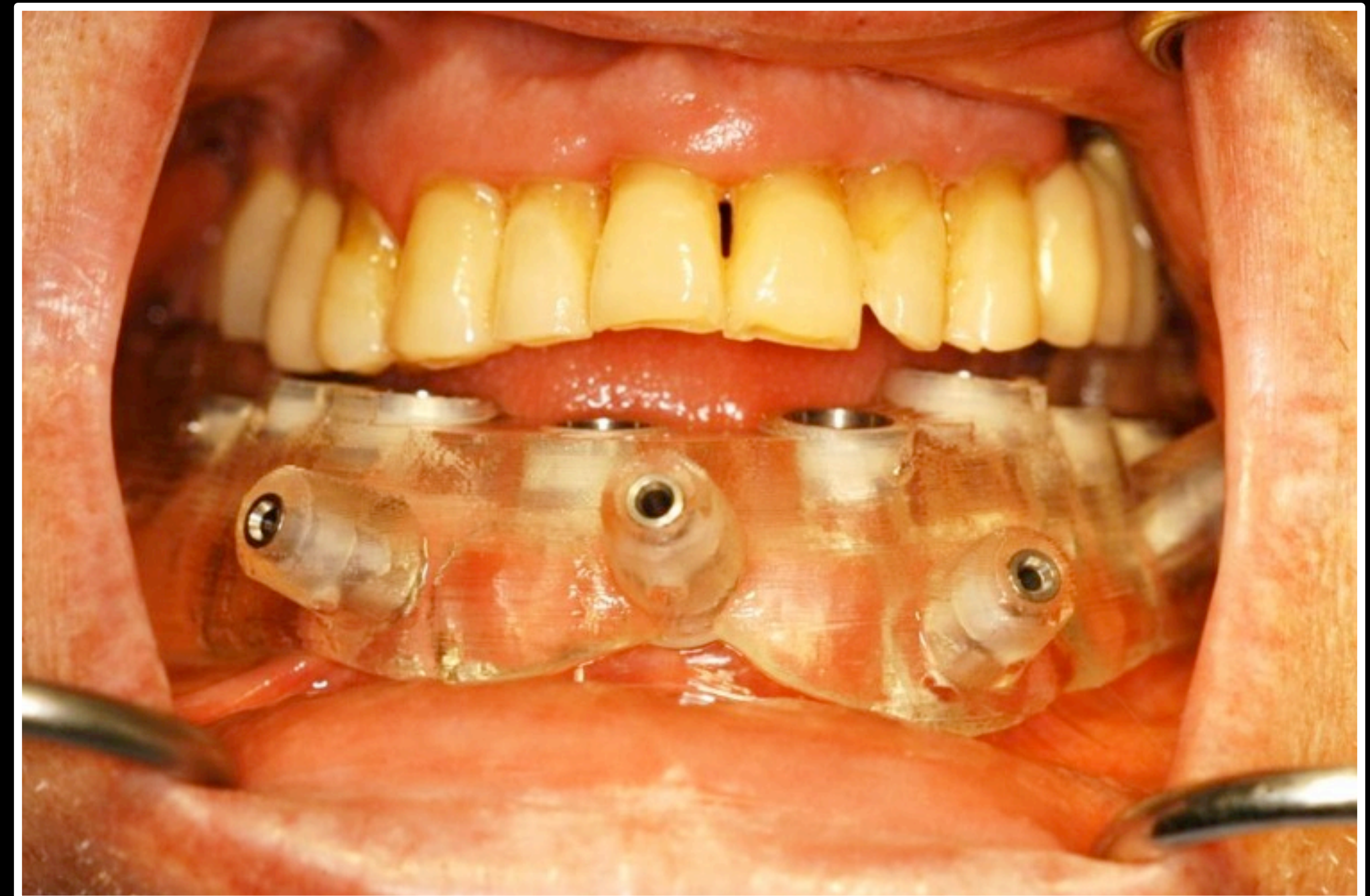
Visibility Editor

- General Objects
- Bone
 - Radiographic Guide
- Planning Objects
- Implants (8)
 - Anchor Pins (5)
 - Abutments (8)
 - Sleeves (13)

11. Commande du Guide via Internet



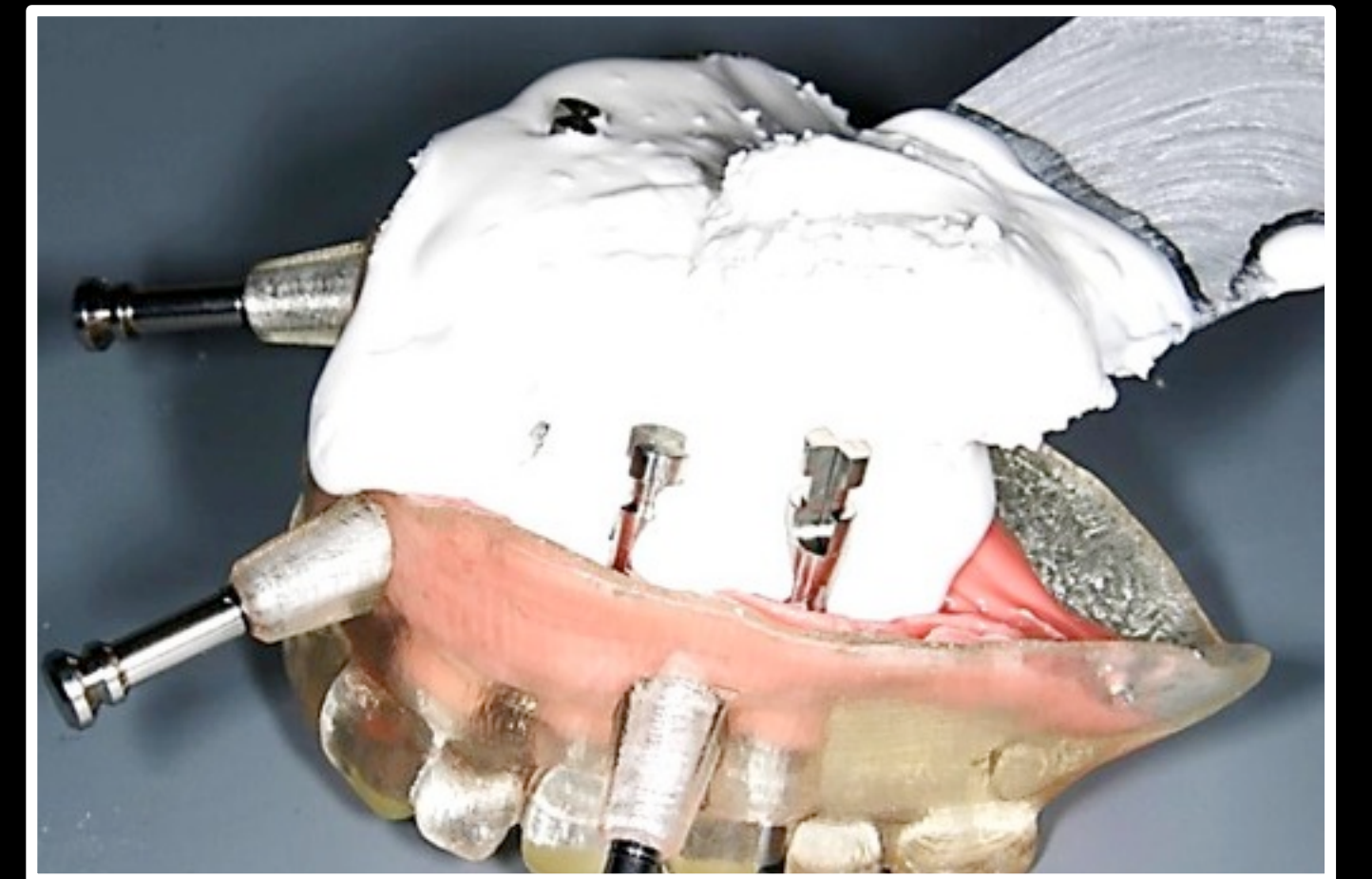
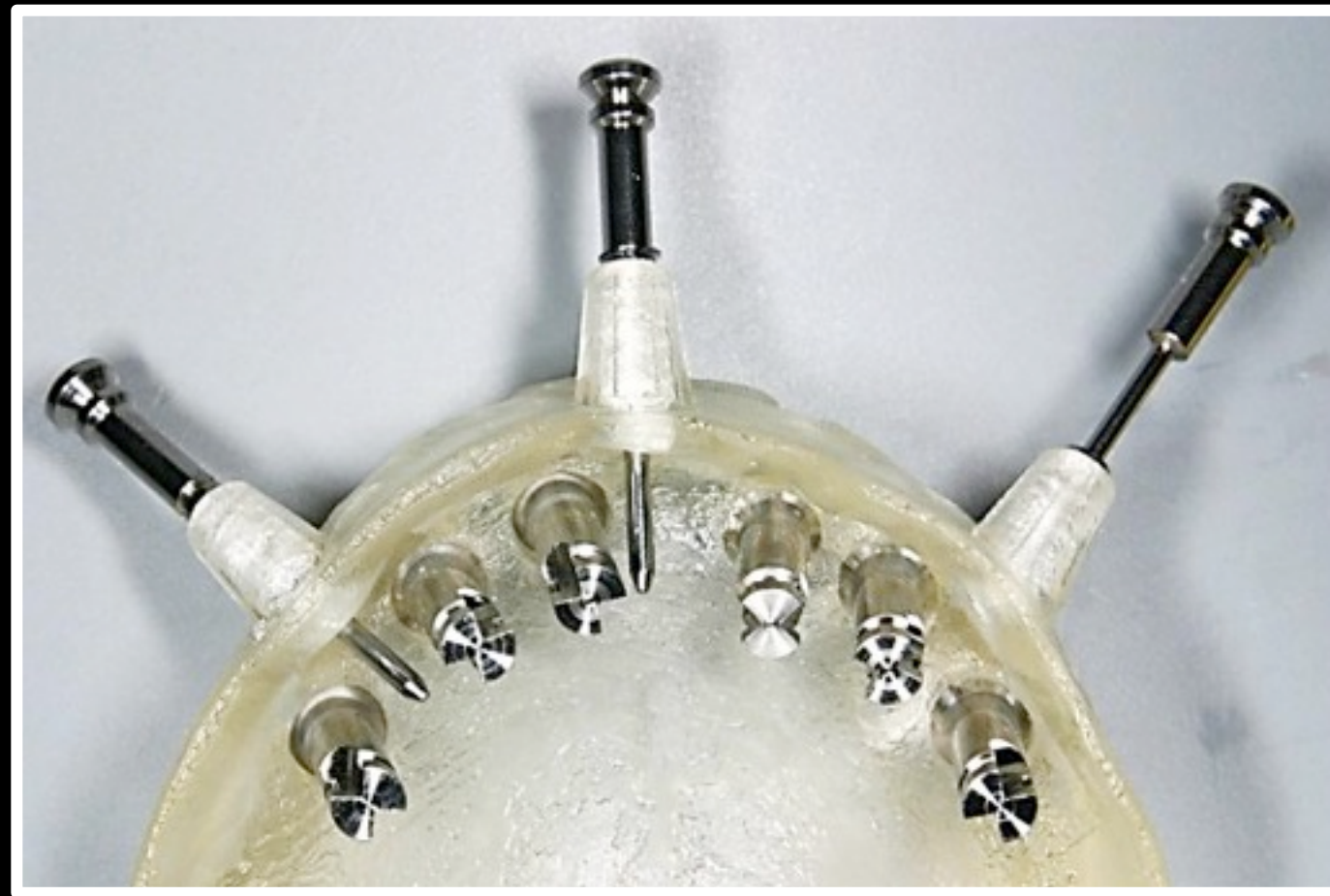
12. Réception du Guide Chirurgical



13. Mise en place des analogues

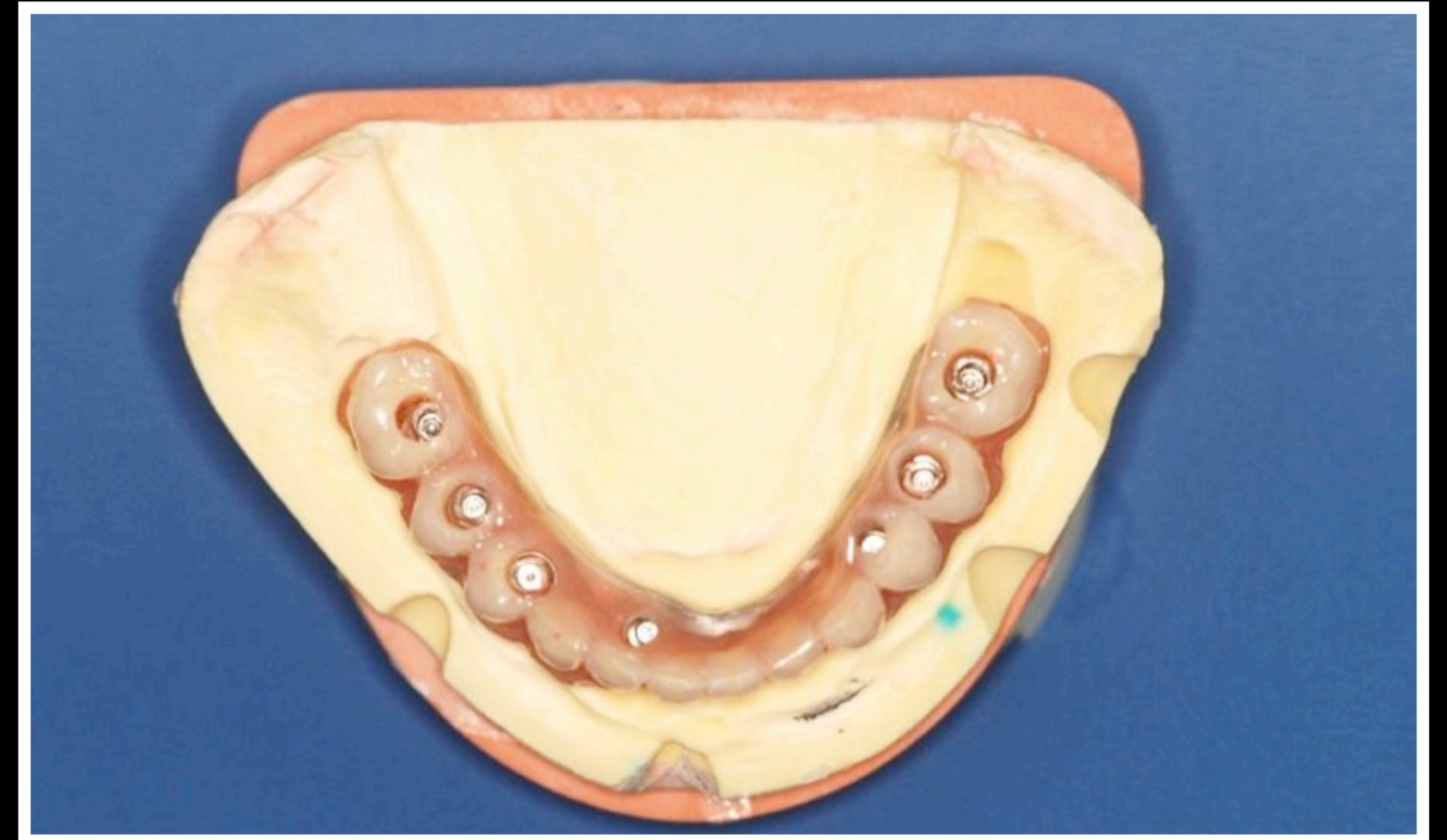
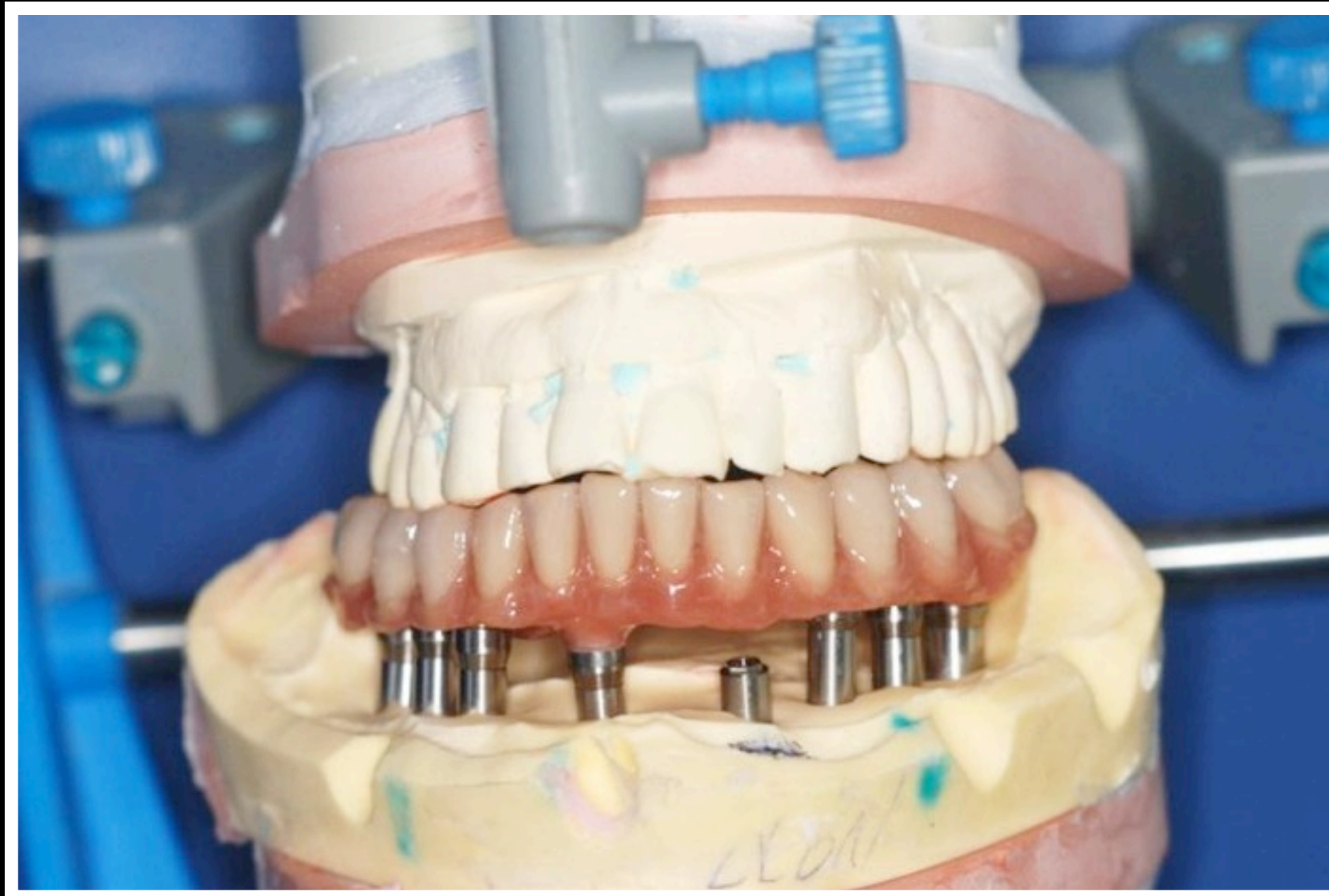


14. Fabrication du modèle de laboratoire





15. Réalisation de la solution prothétique



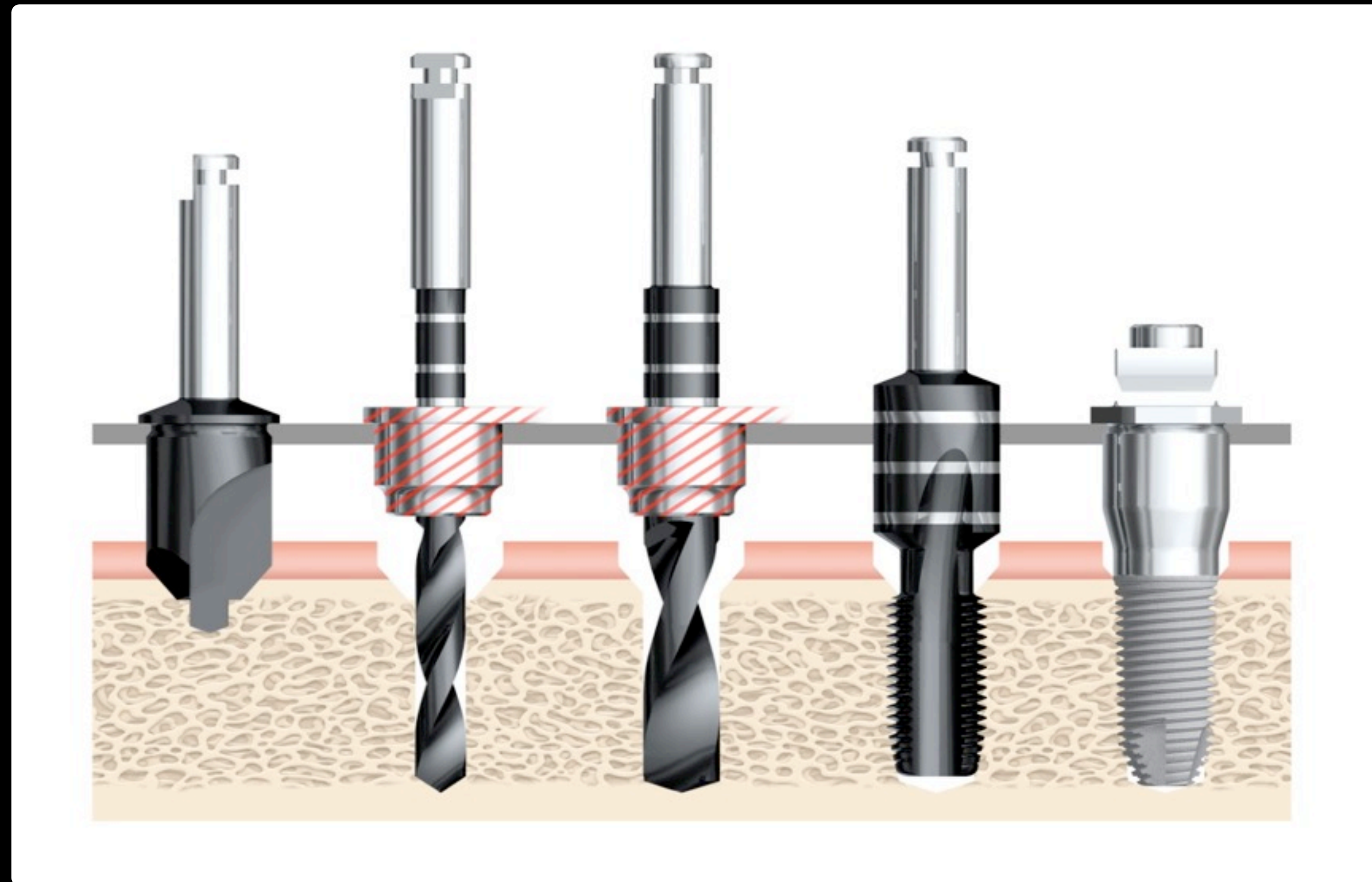


16. Réalisation de la clé de repositionnement



CHIRURGIE...

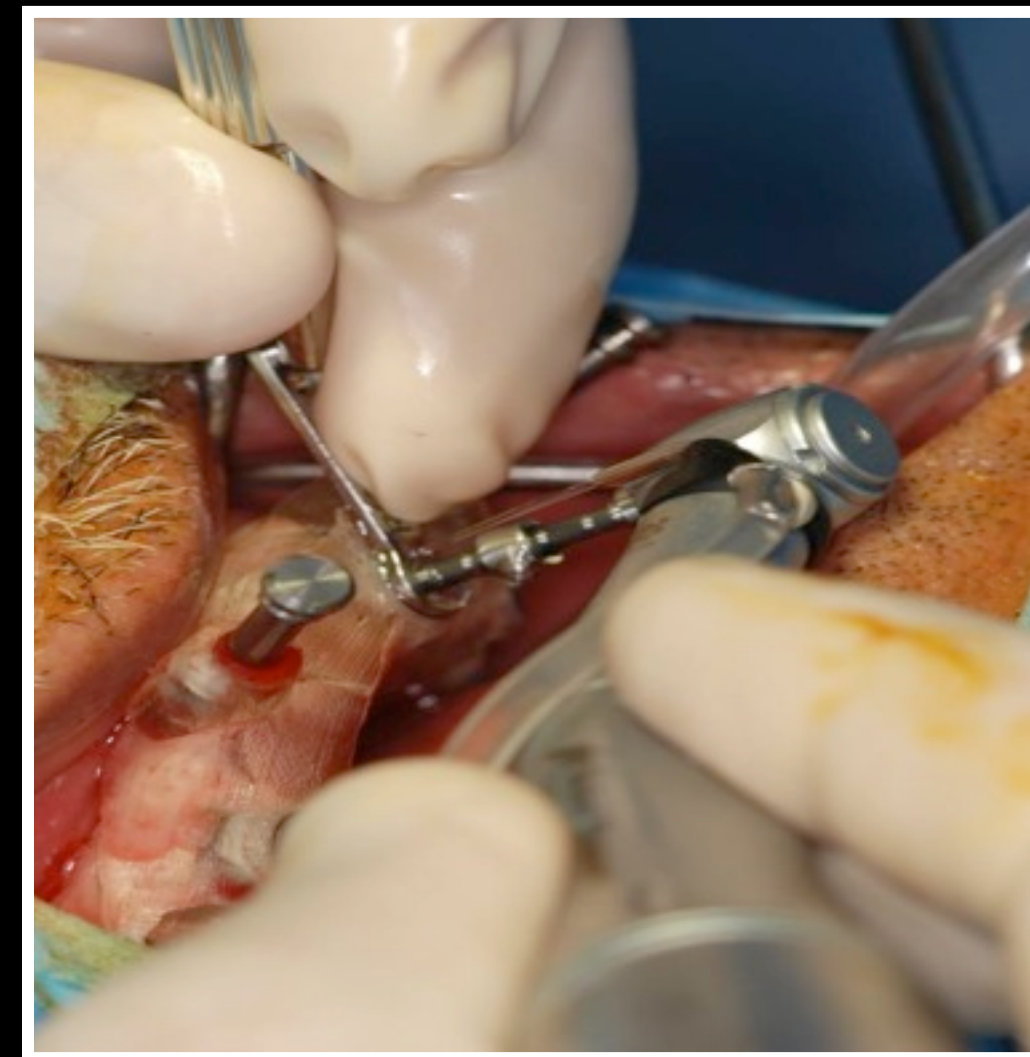
17. Protocole de forage

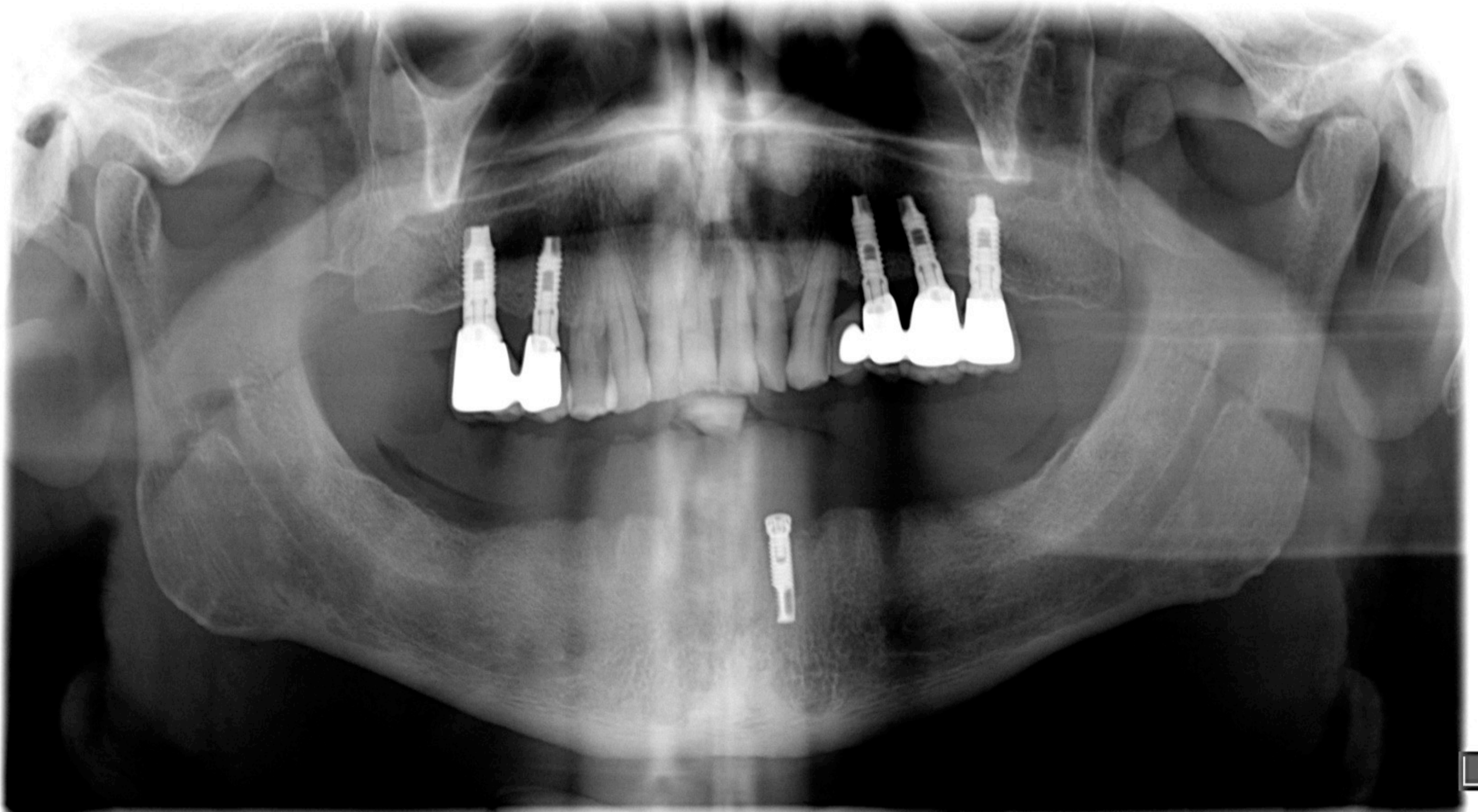


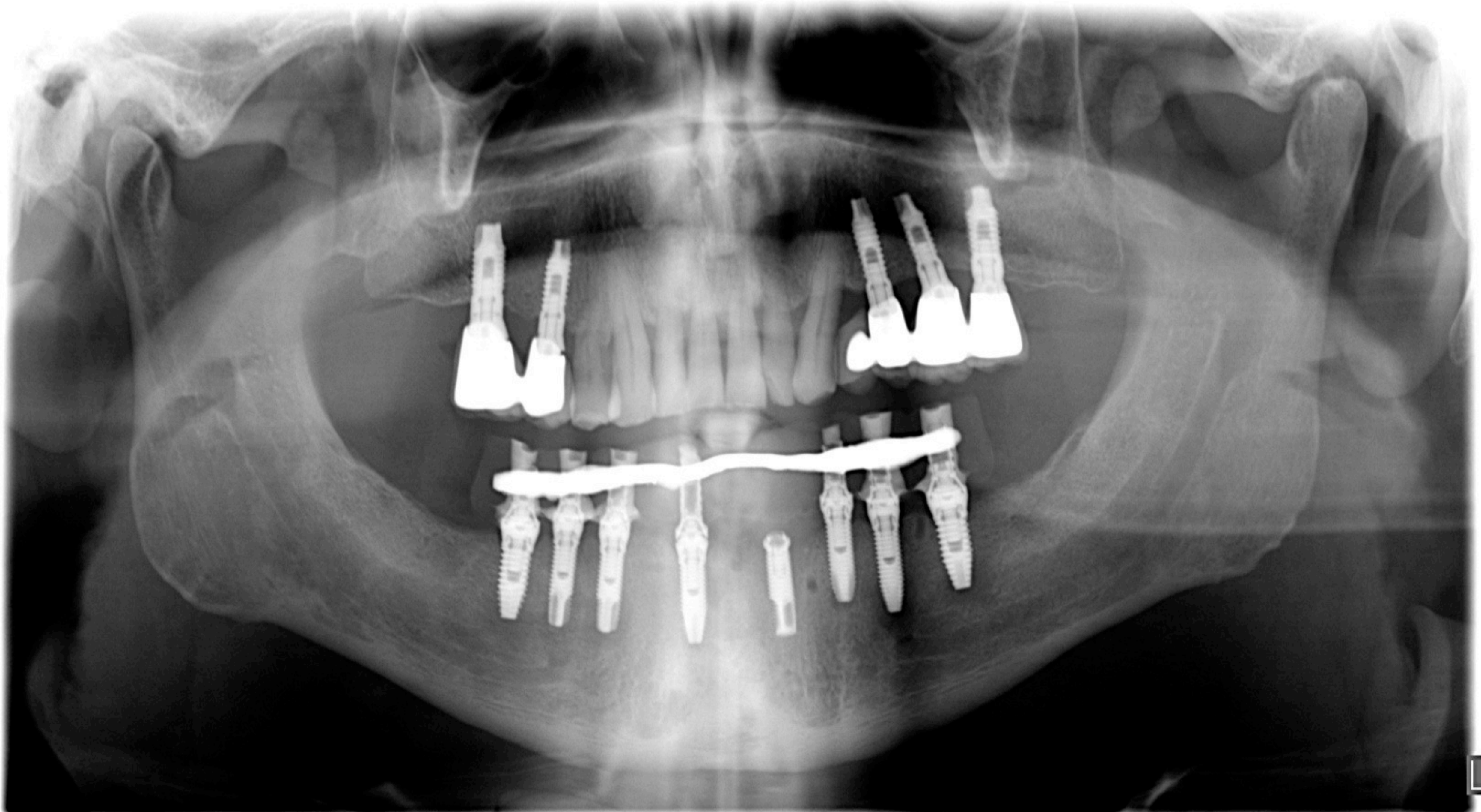
NobelSpeedy™ Groovy

18. Sécurité du système

L'utilisation des butées et des cylindres de guidages permet de sécuriser au maximum la chirurgie







Indications

Indications Initiales

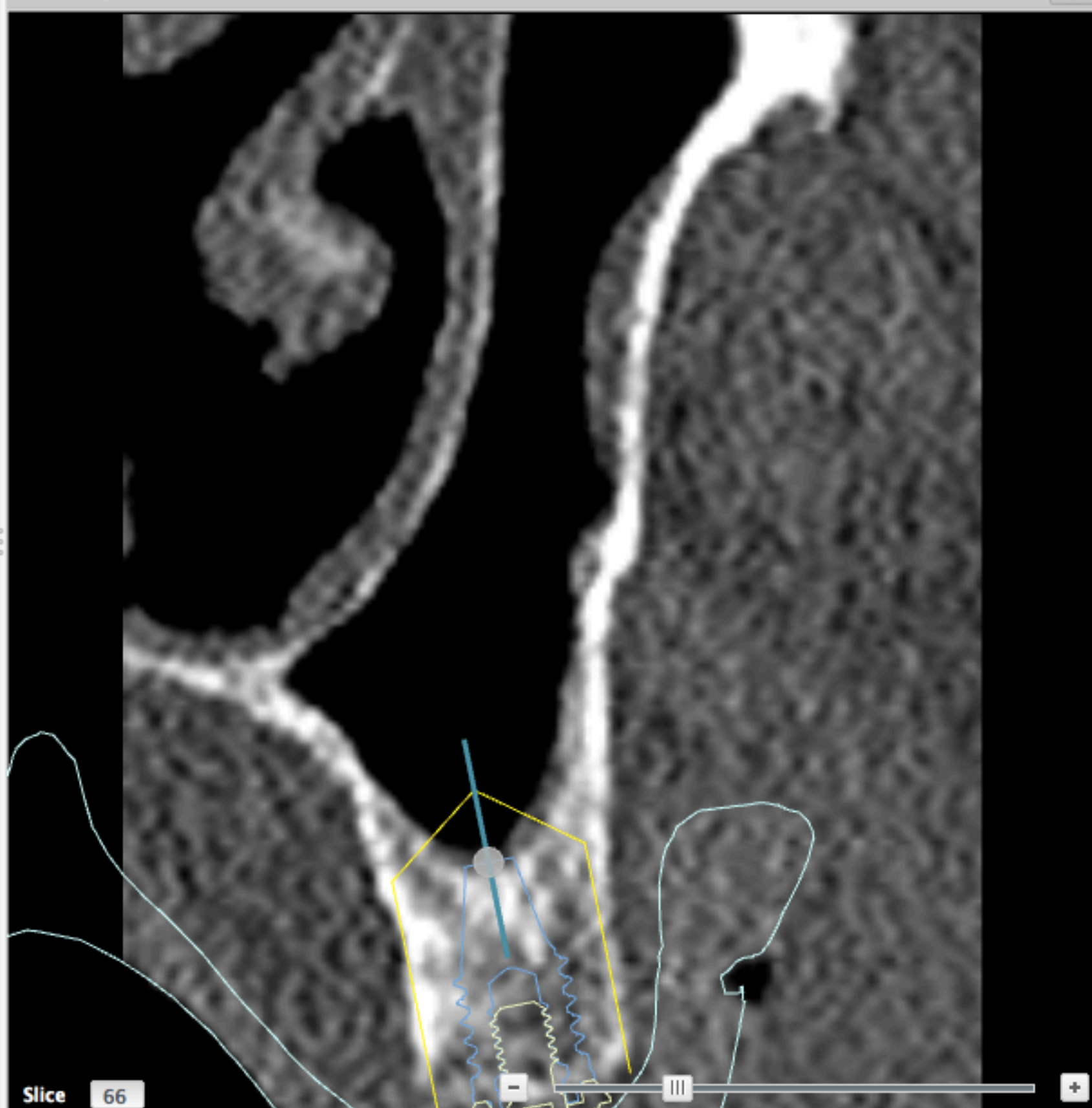
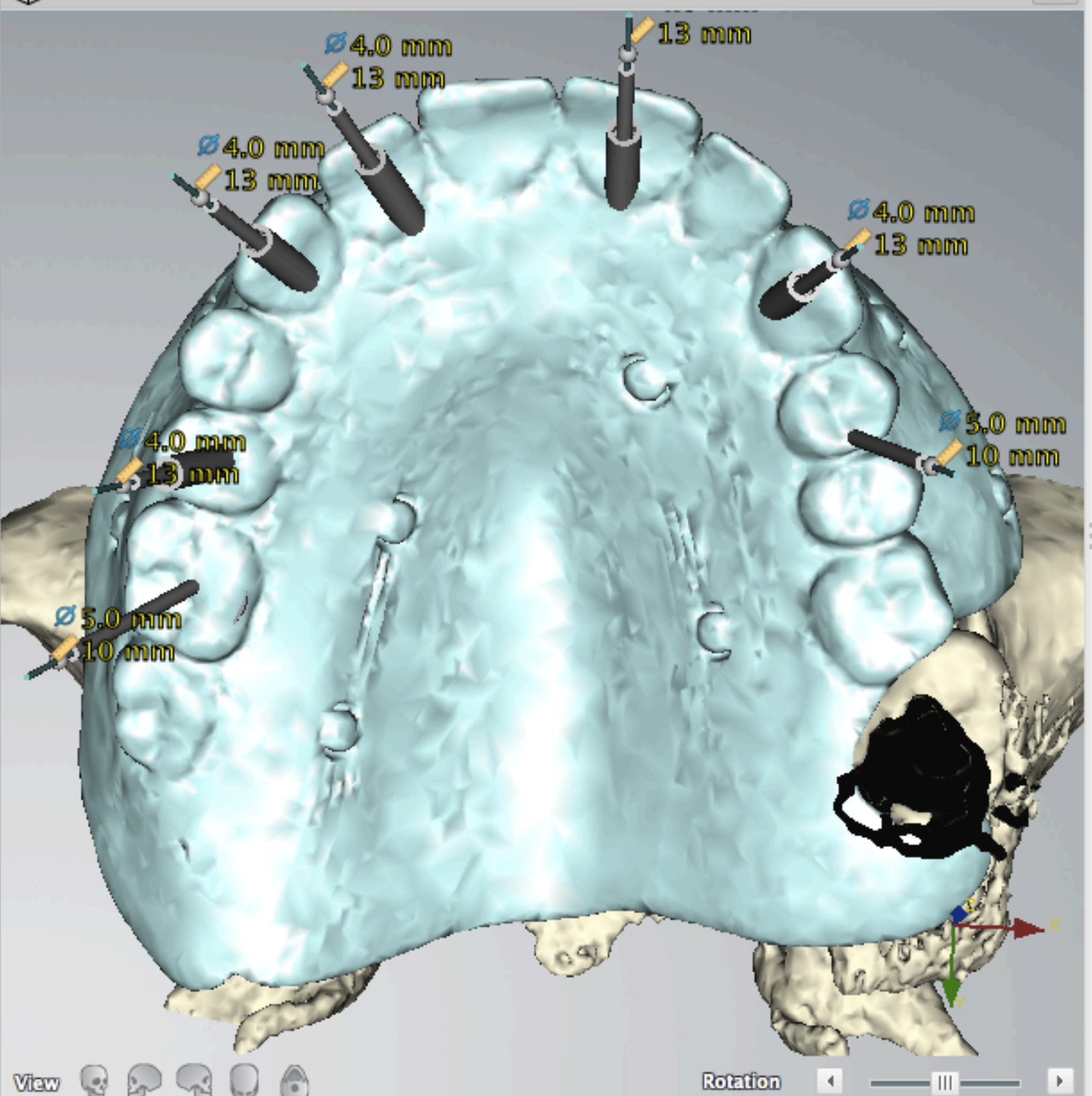
Prothèse Complète

Treatment Prepare Diagnose Plan Finalize

Tools: Bone, Guide, Edit Bone, Edit Guide, Scanner Orientation, Reslice Curve, Level Window, Erase Artifacts, Create, Ct Data, Objects

Assistant
Warnings (2)

3D Viewer Perpendicular



Interaction Mode

Tools: Save, Undo, Redo, Level / Window, Snapshot, Change Workspace, Set Focus, Rulers

Crossed Editor

Attach To Curve, Attach To Implant, Attach To Anchor Pin, Next, Previous

Visibility Editor

General Objects: Bone, Radiographic Guide, Measurements (2)
Planning Objects: Implants (7), Anchor Pins (4), Abutments (7)

NobelClinician

View icons

Rotation controls

Slice 66

Treatment

Prepare

Diagnose

Plan

Finalize

Bone Guide

Edit Bone Edit Guide

Create

Scanner Orientation Reslice Curve Level Window Erase Artifacts

Ct Data Objects

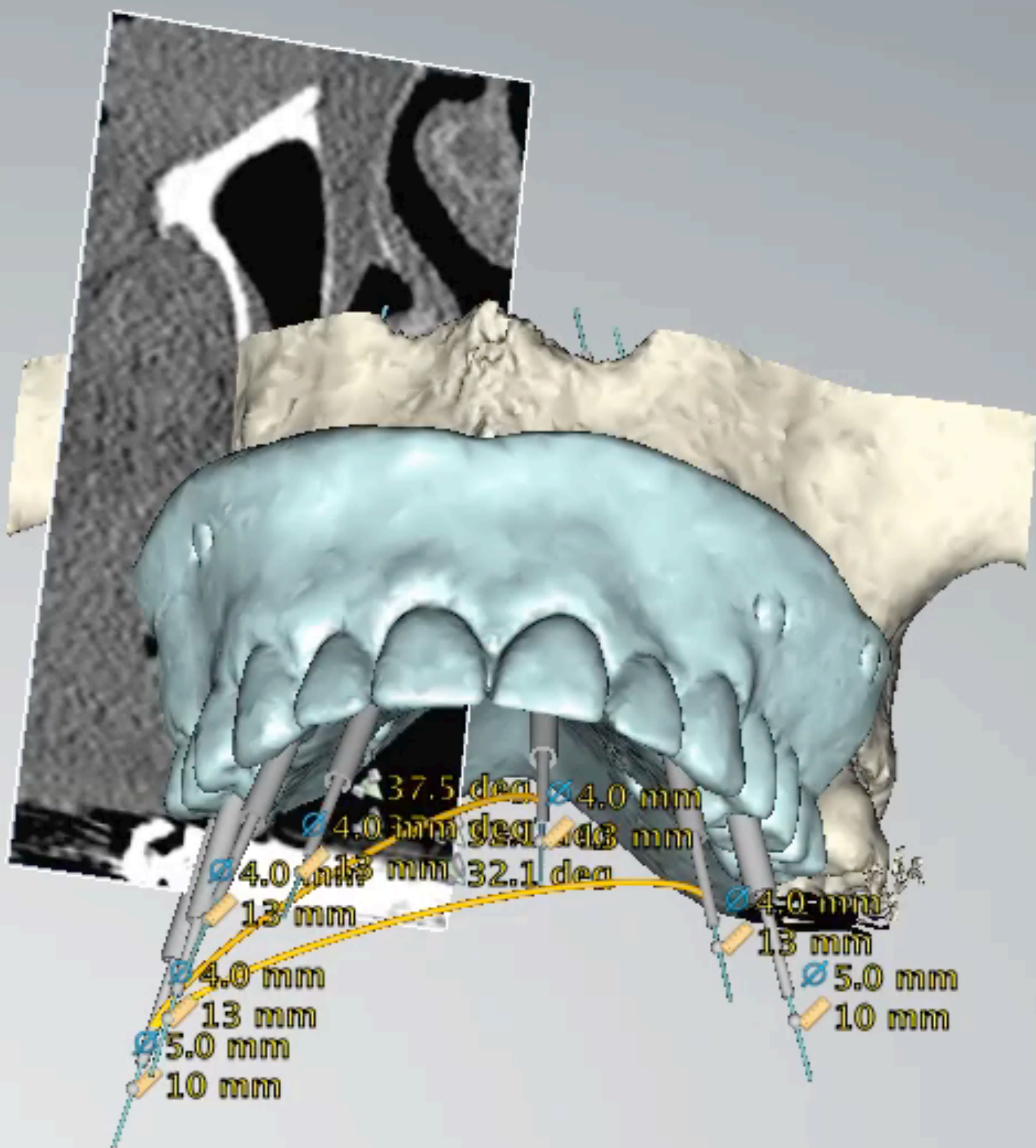
Assistant

Warnings (1)



3D Viewer

Perpendicular



Interaction Mode



Tools

- Save
- Undo
- Redo
- Level / Window
- Snapshot
- Change Workspace
- Set Focus
- Rulers

Crossed Editor

- Attach To Curve
- Attach To Implant
- Attach To Anchor Pin
- Next
- Previous

Visibility Editor

- General Objects
- Bone
 - Radiographic Guide
 - Measurements (2)
- Planning Objects
- Implants (7)
 - Anchor Pins (3)
 - Abutments (7)

NobelClinician



Rotation

Slice 66

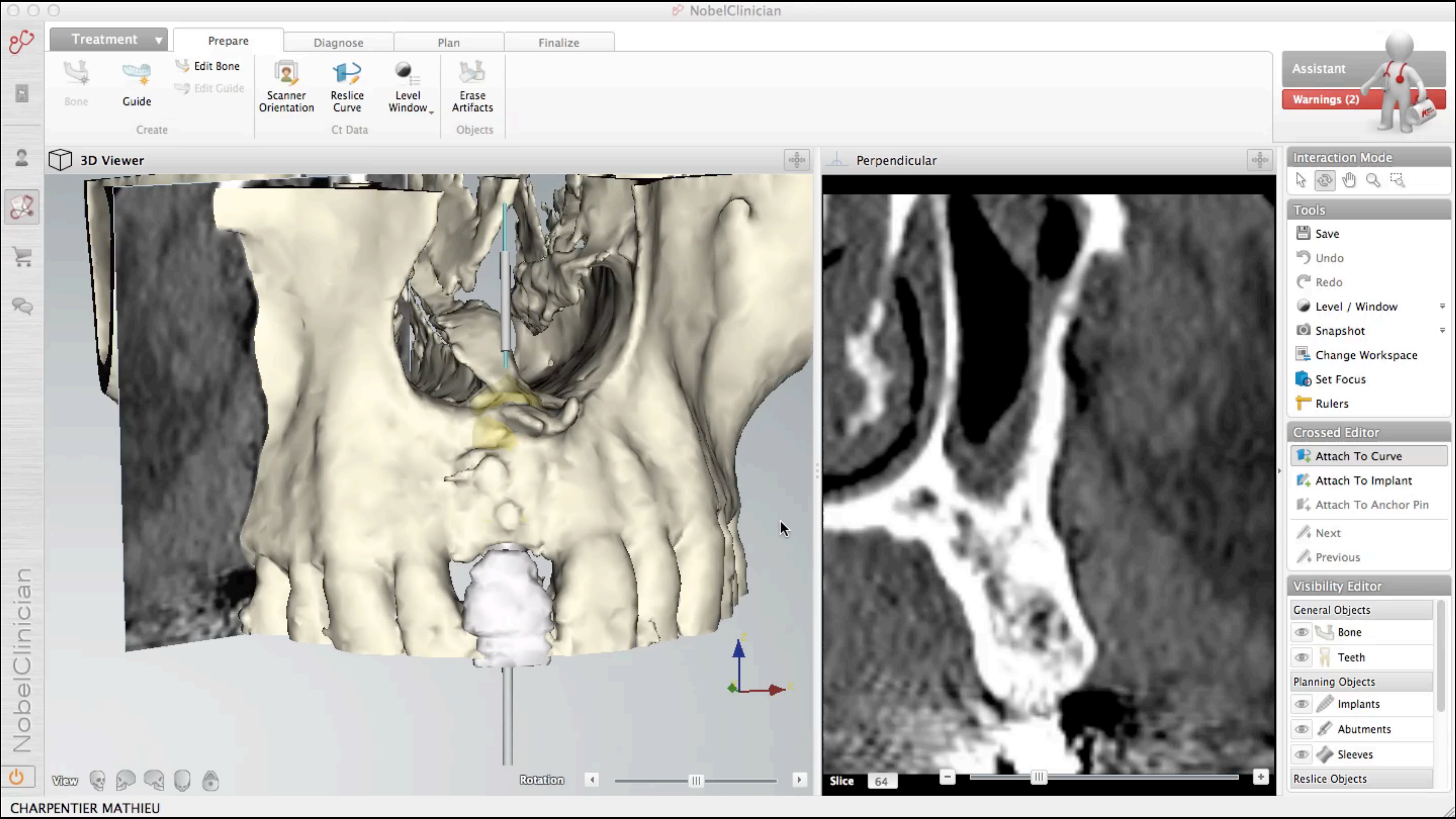
Indications Secondaires

Prothèse Unitaire

Prothèse Partielle

Stabilisation Prothèse Complète

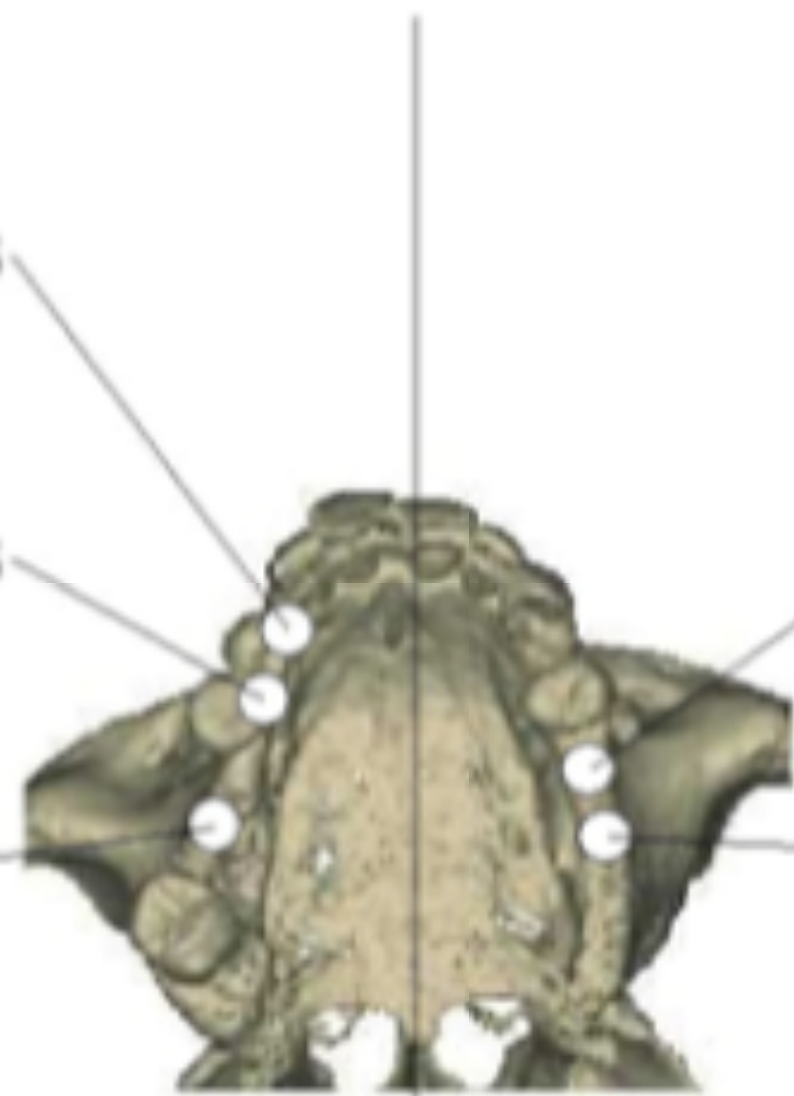
Chirurgie Pré Implantaire



Impl.: RP: 4,0x13

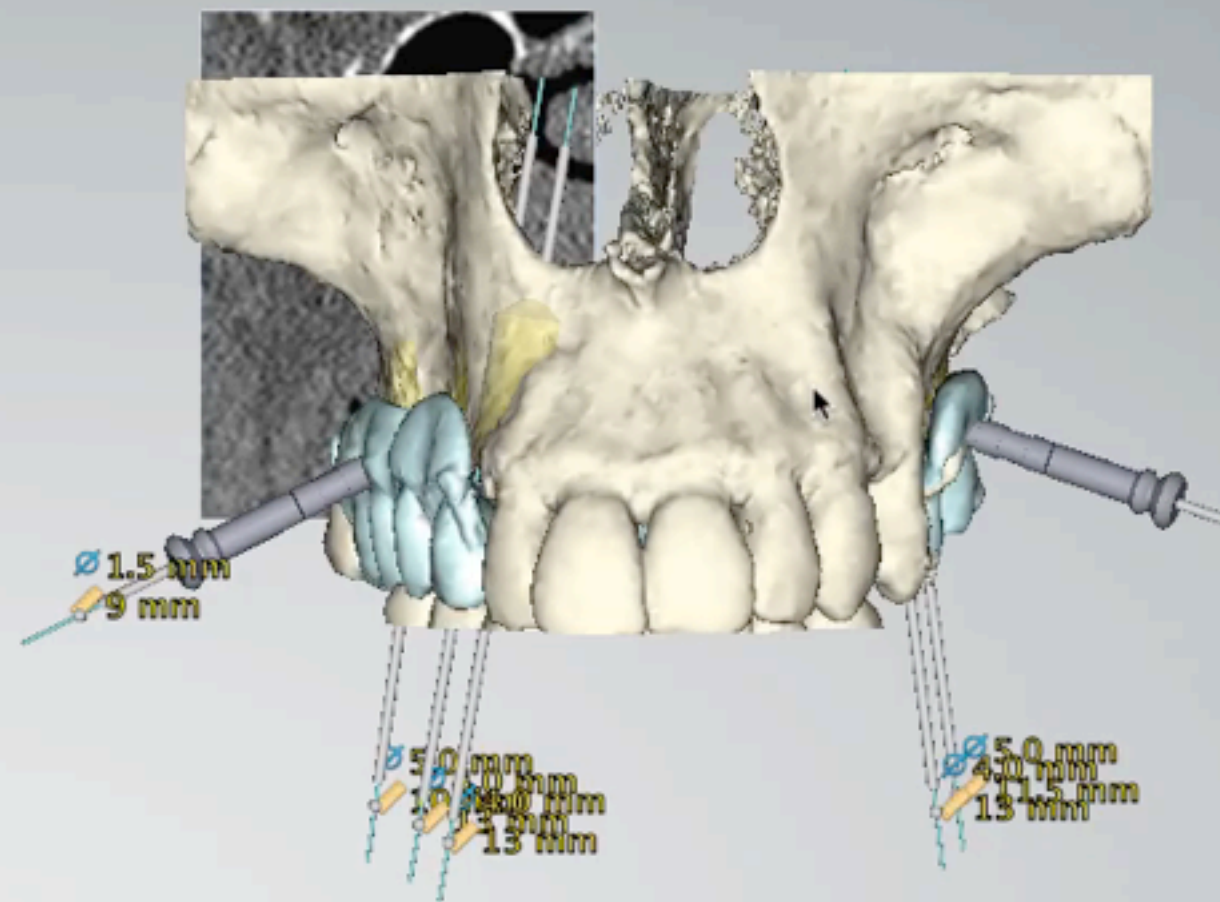
Impl.: RP: 4,0x13

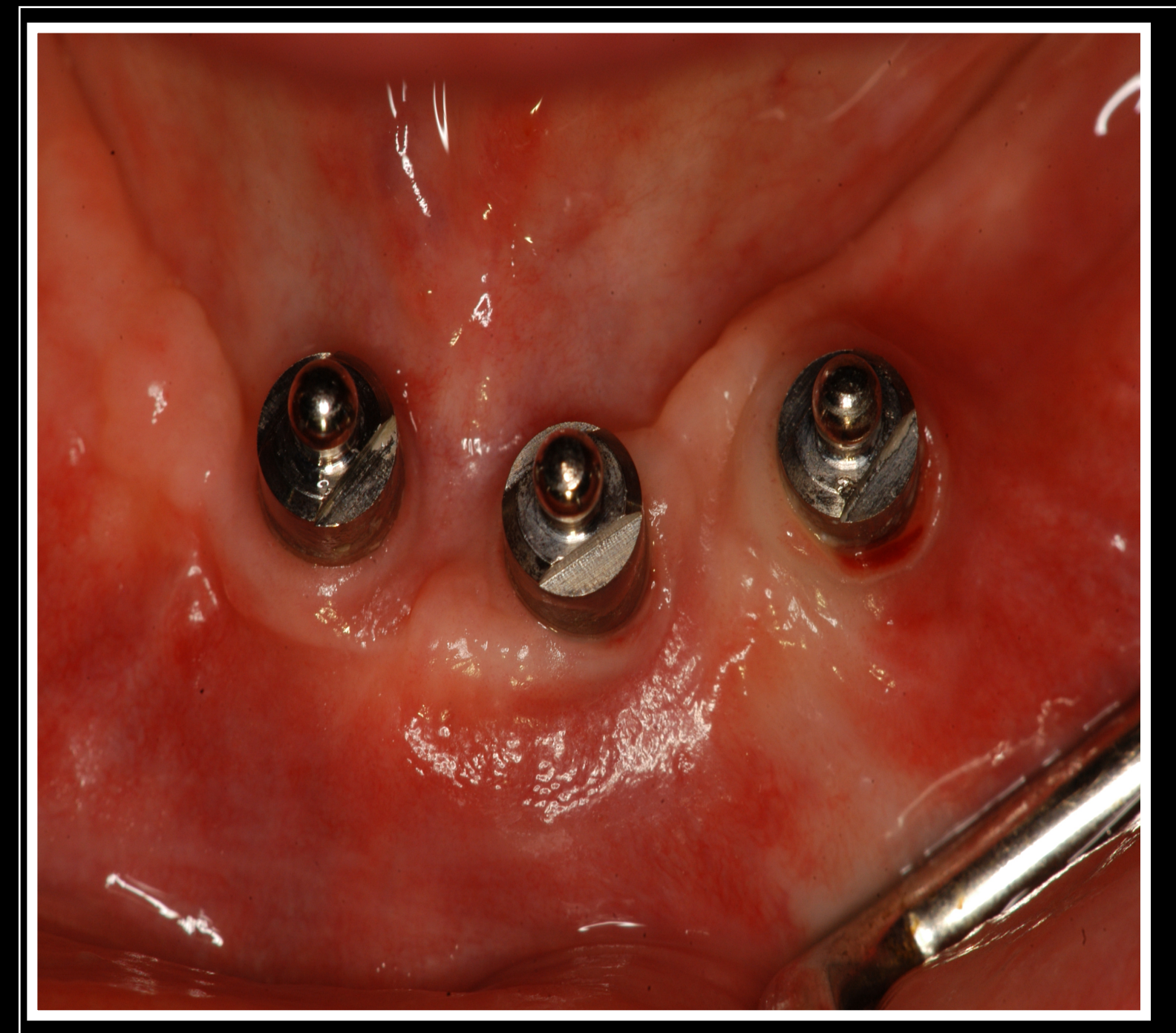
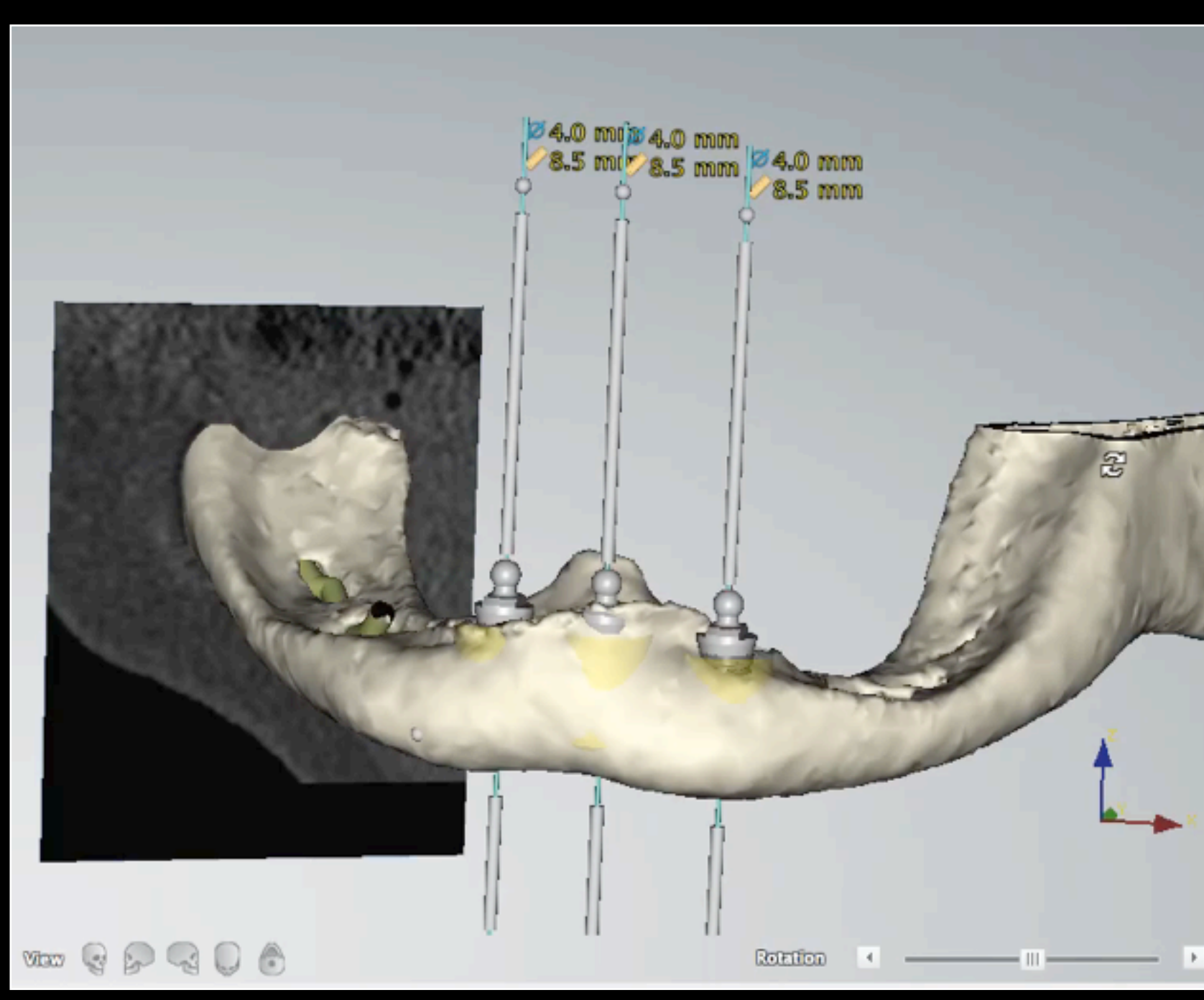
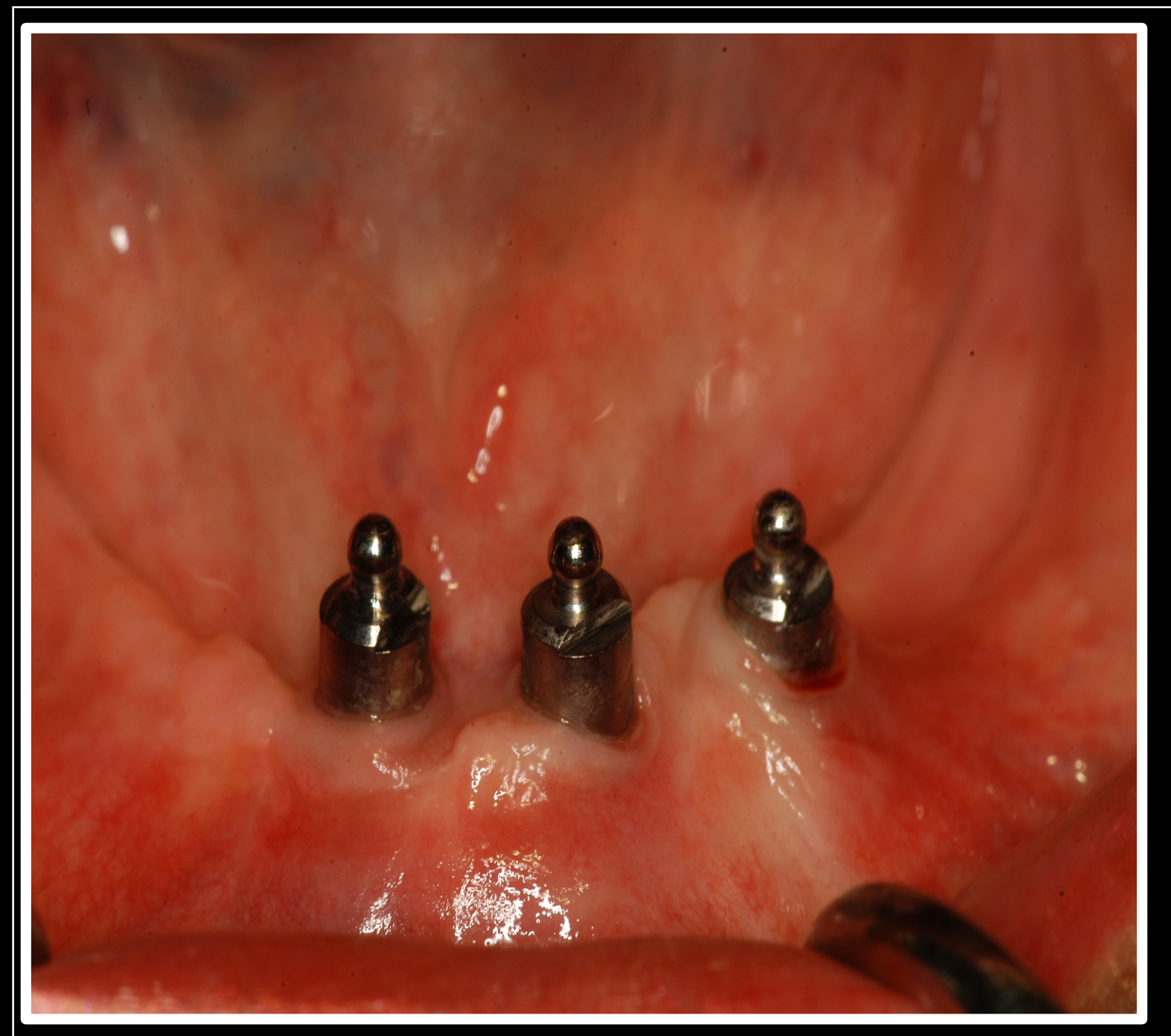
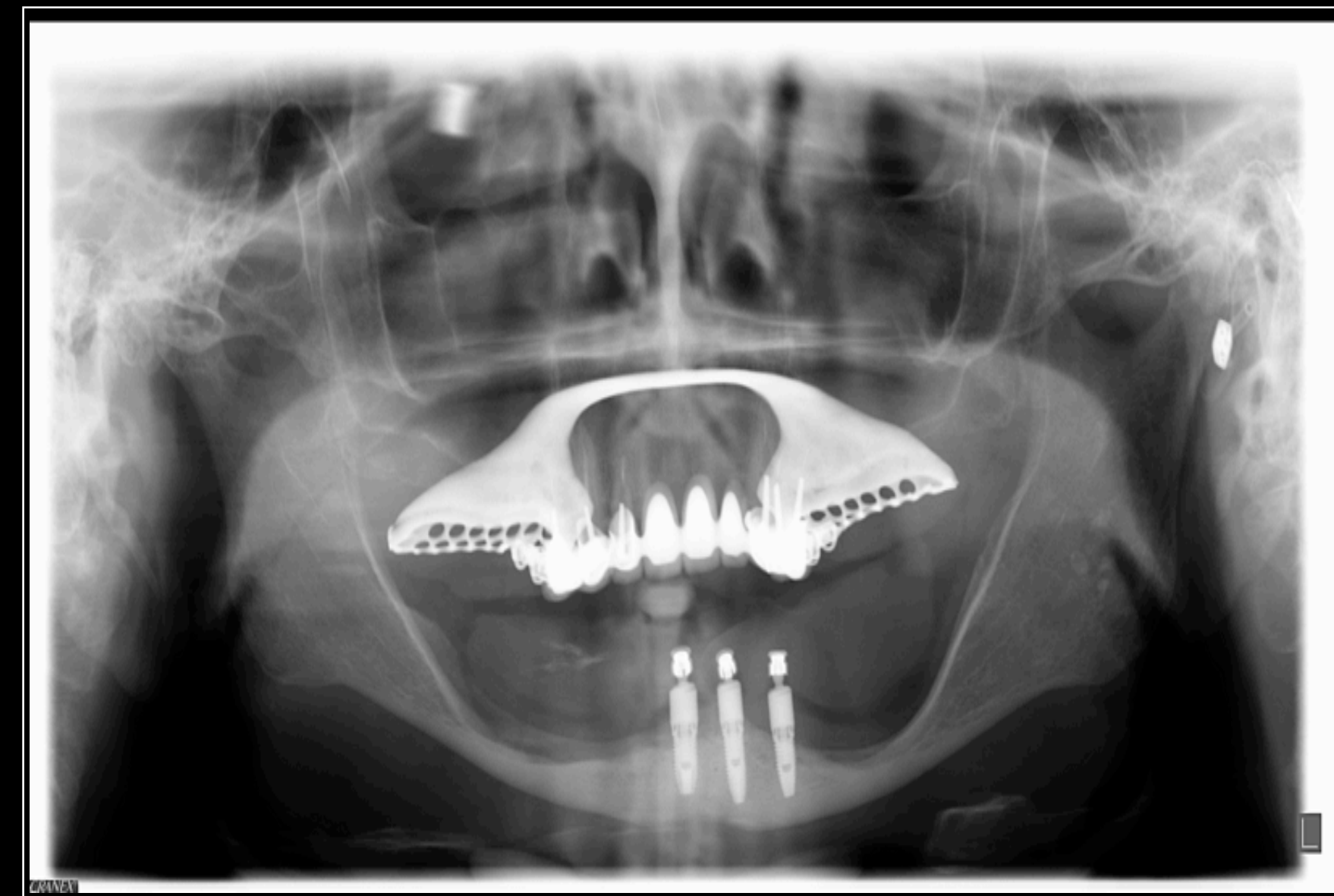
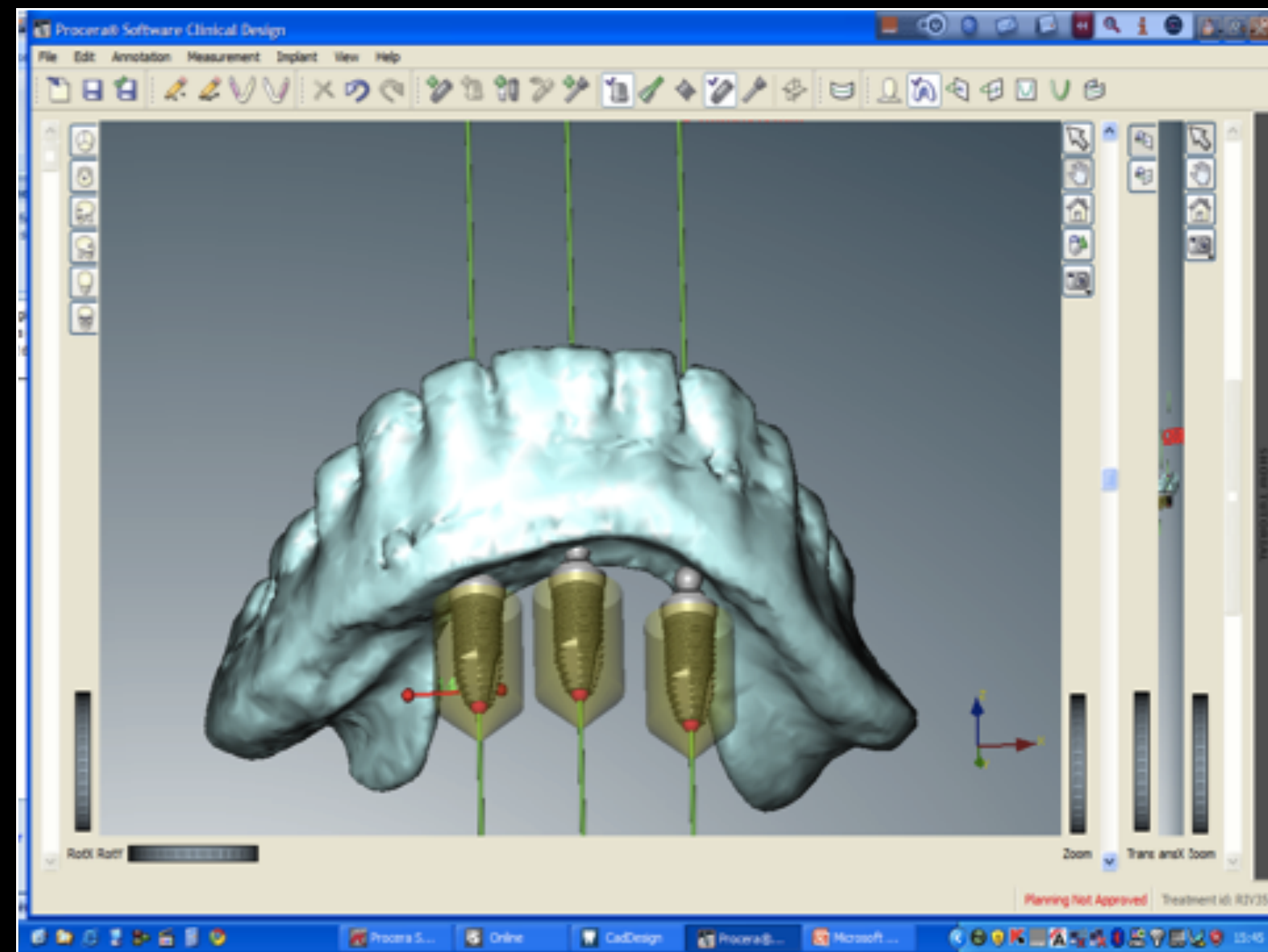
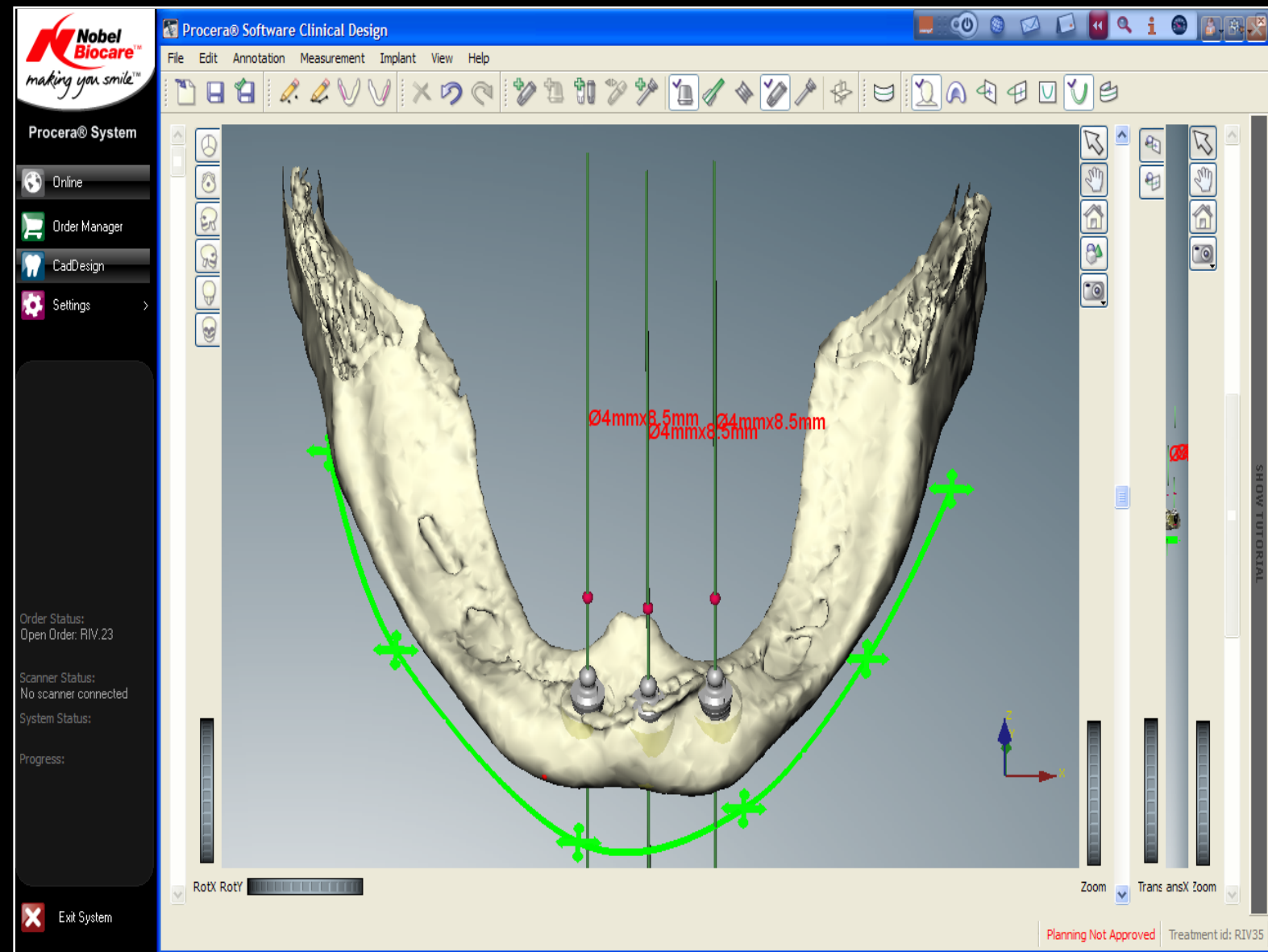
Impl.: WP: 5x10

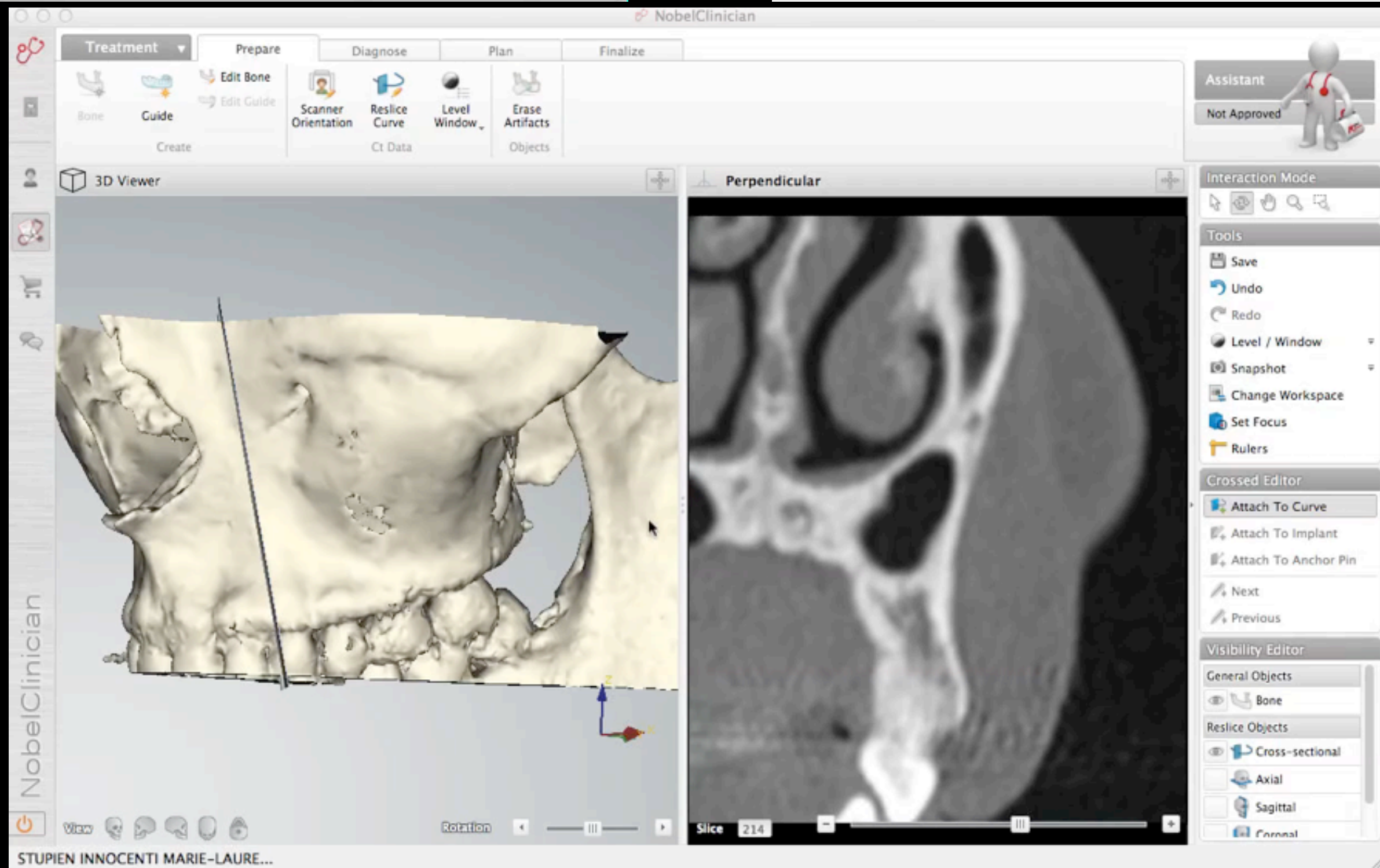
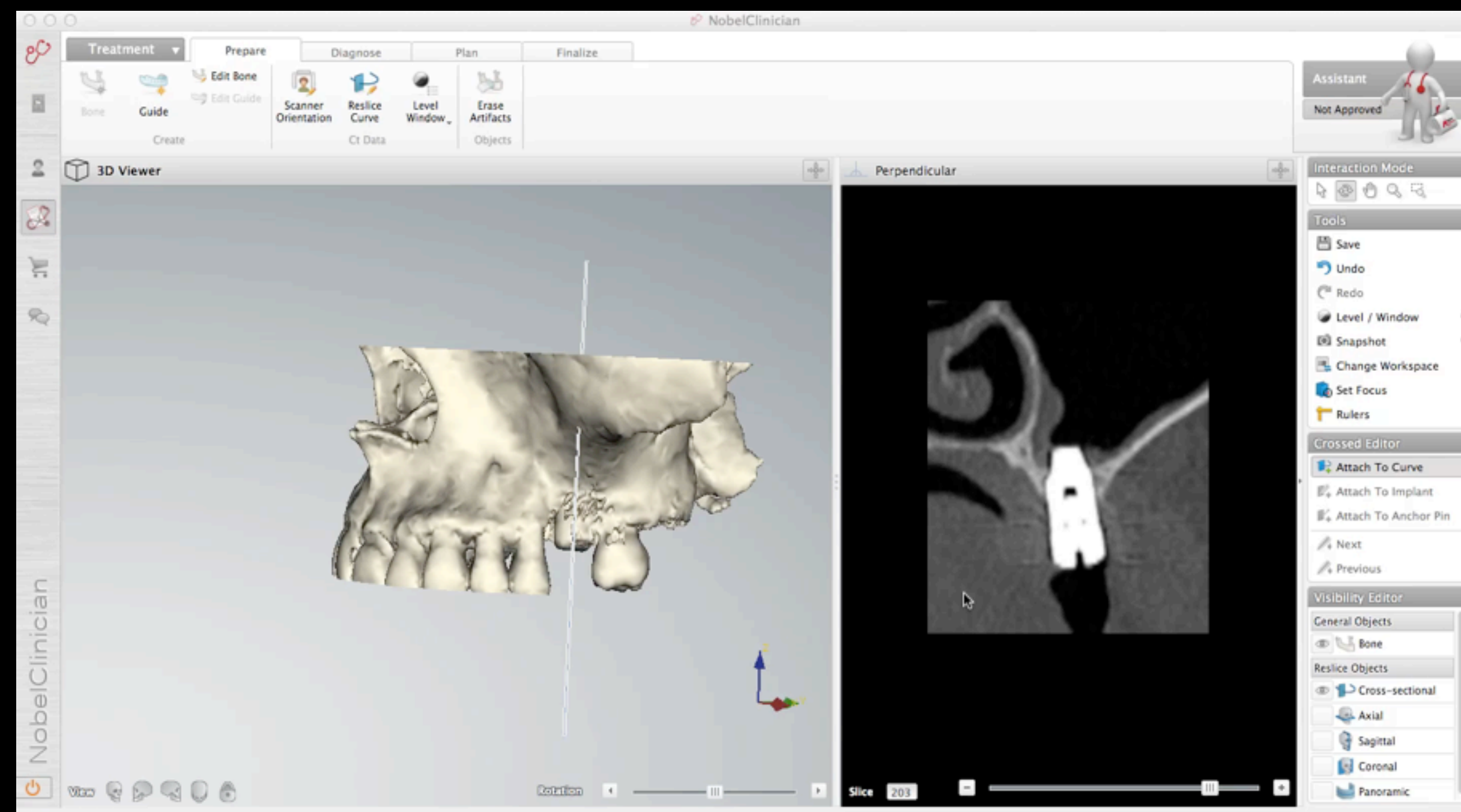
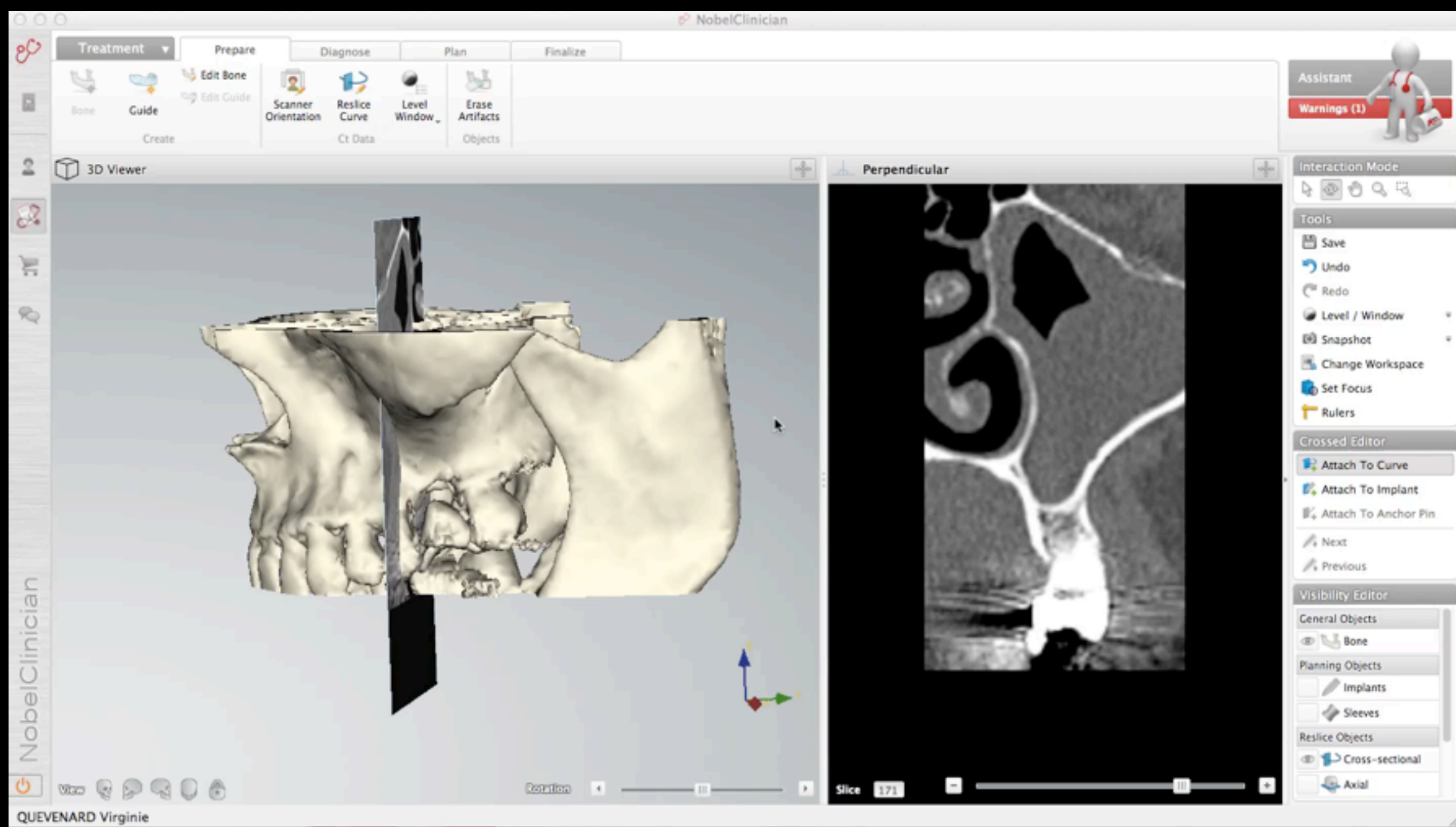


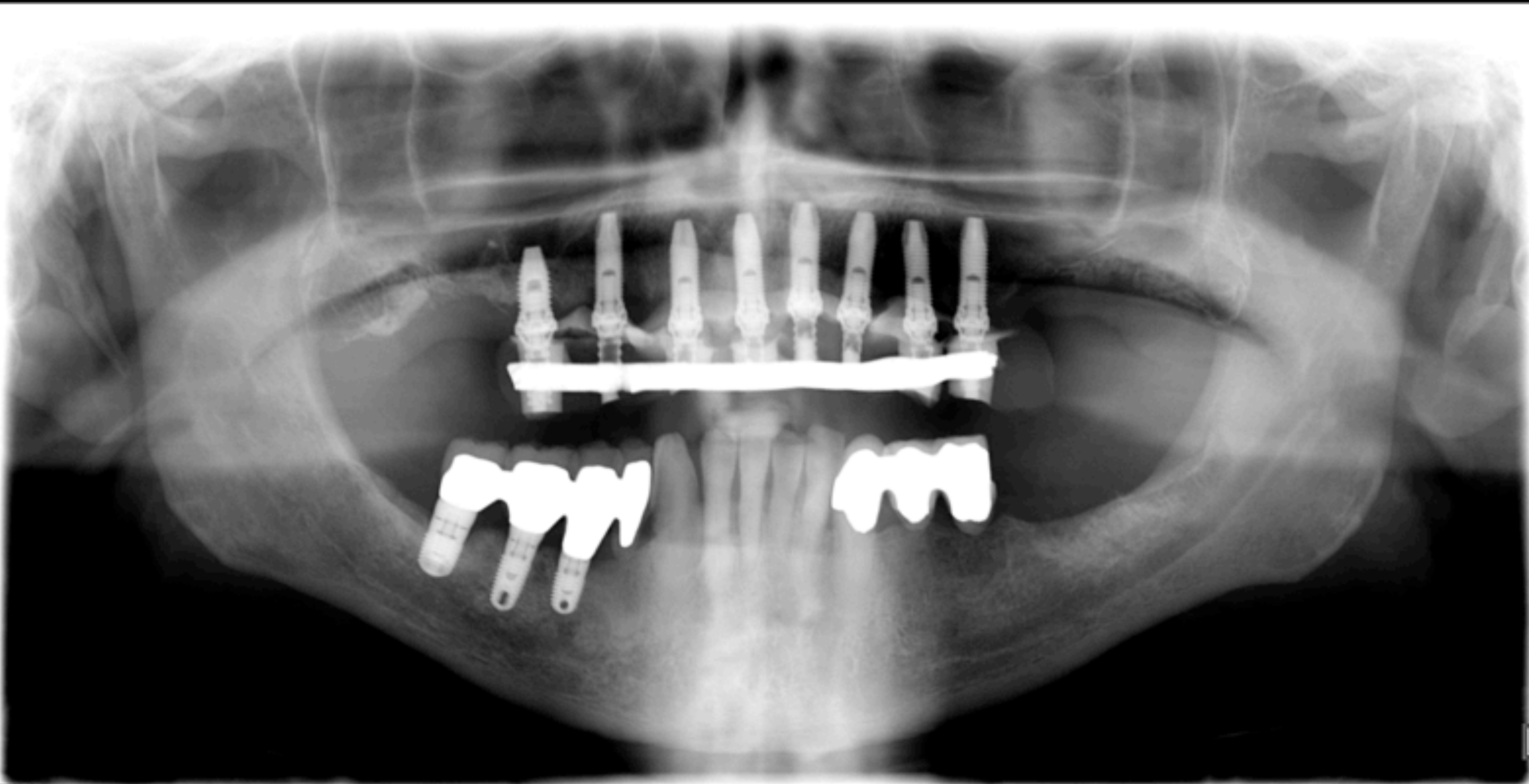
Impl.: RP: 4,0x13

Impl.: WP: 5x11,5







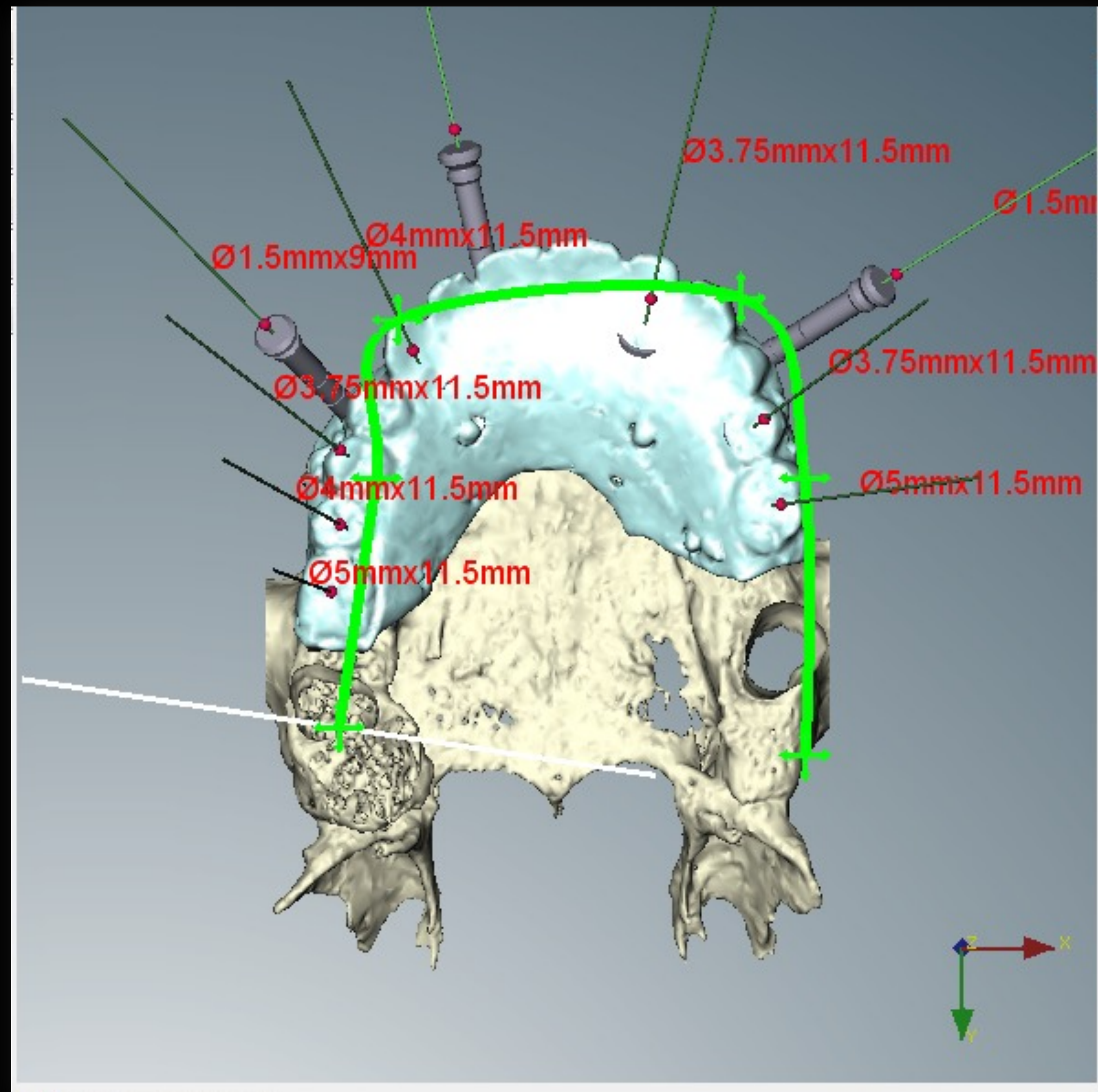
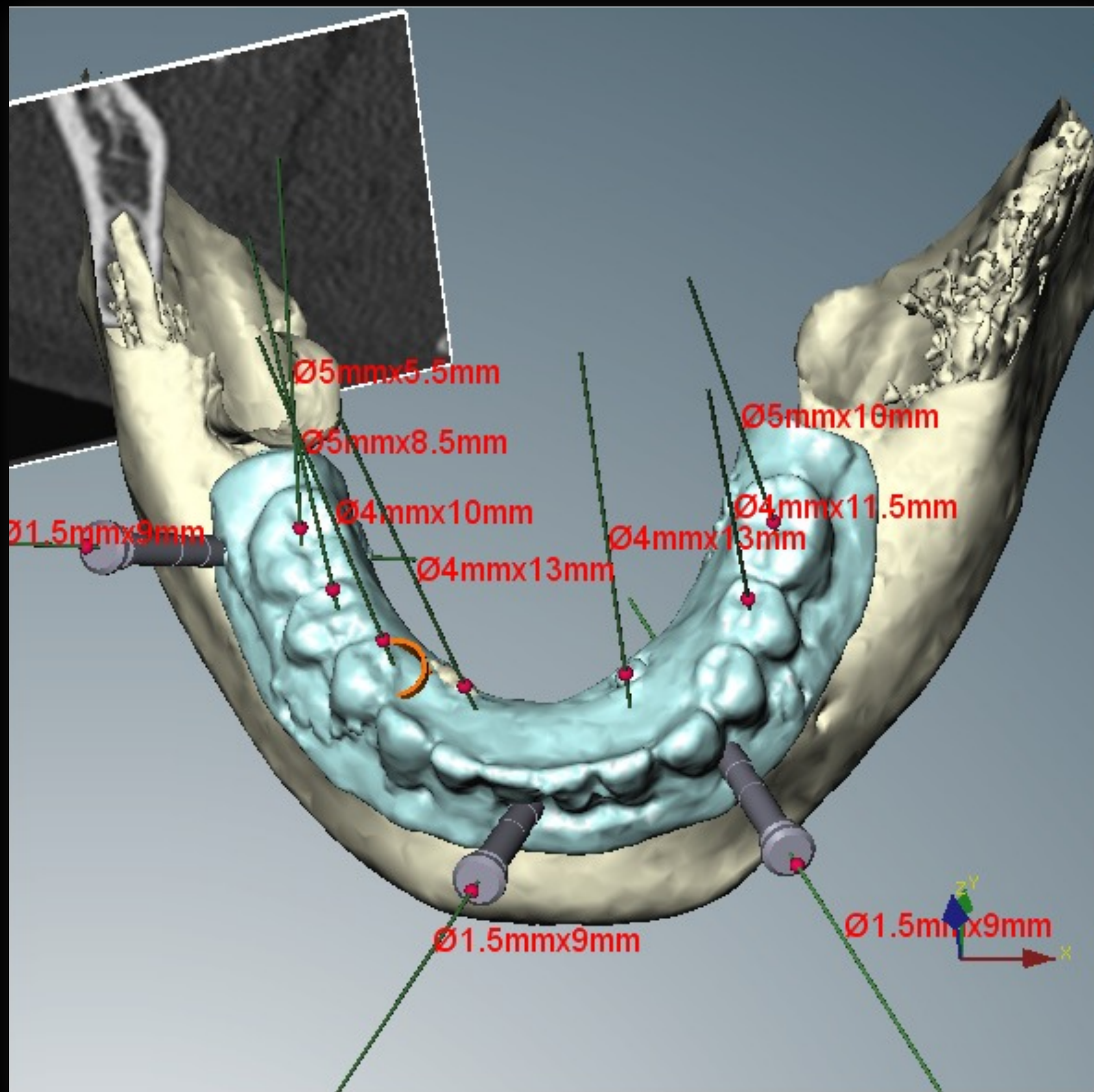


Edentement Complet

Prothèse Fixe

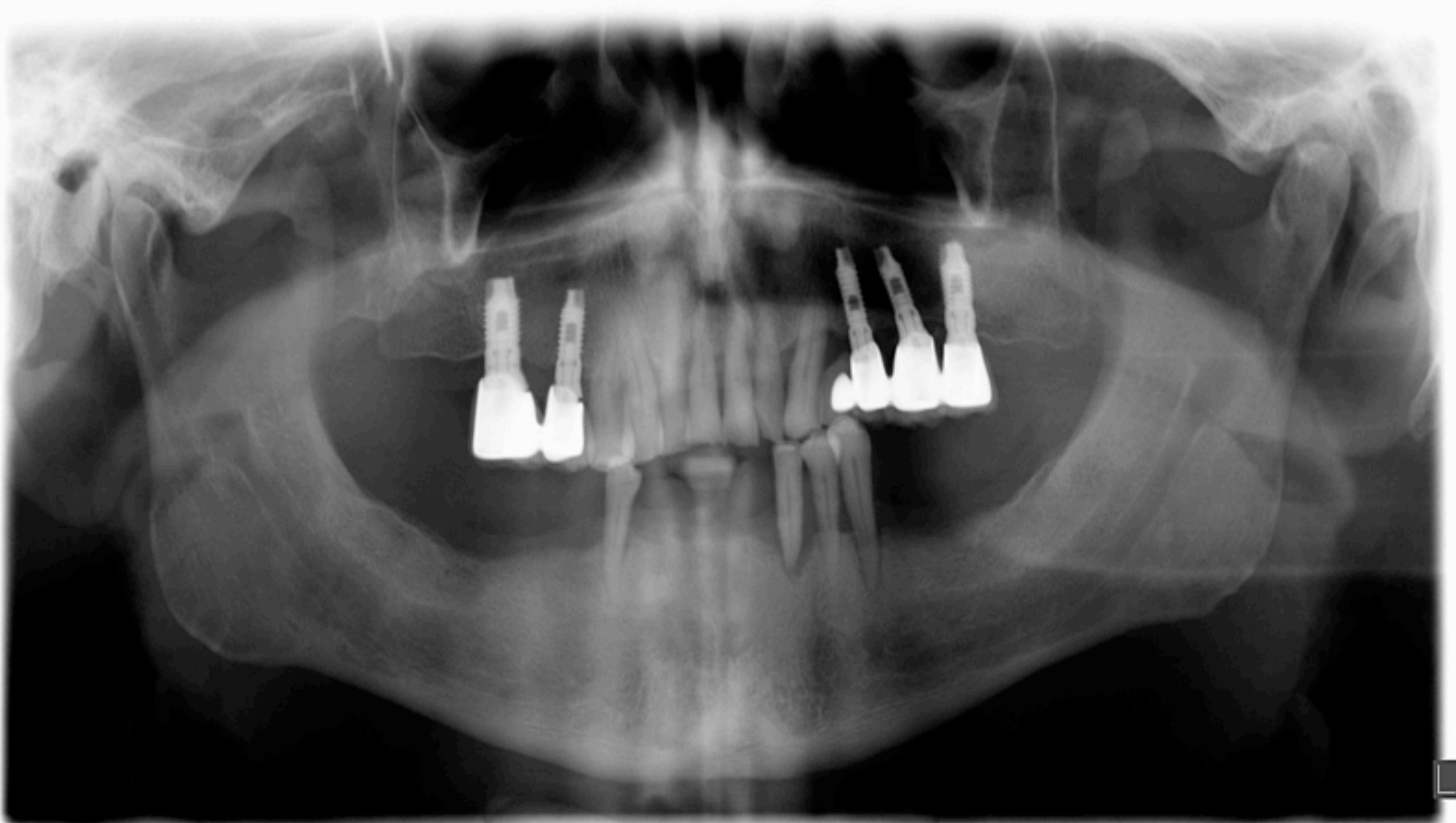
Juin 2007

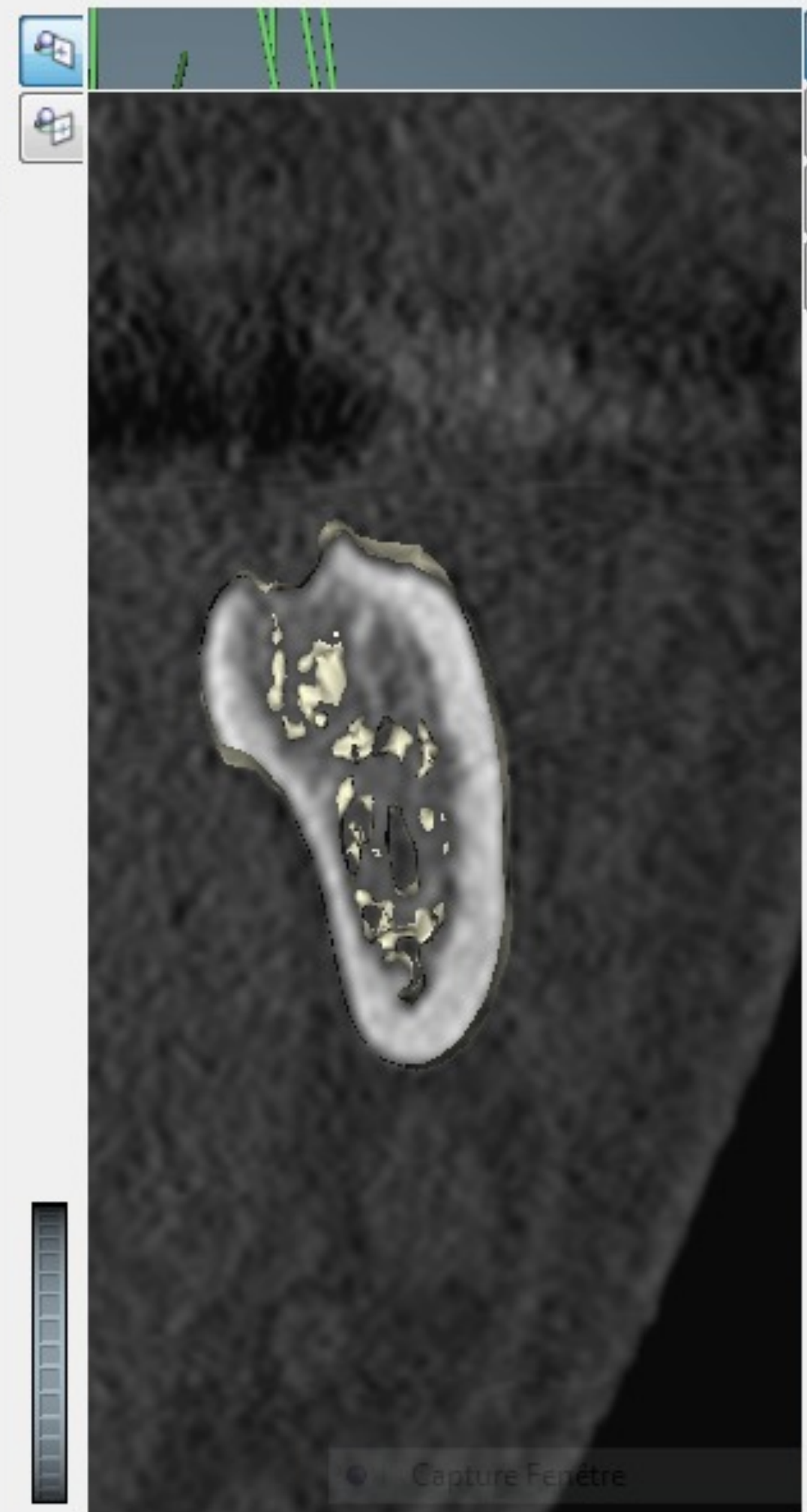
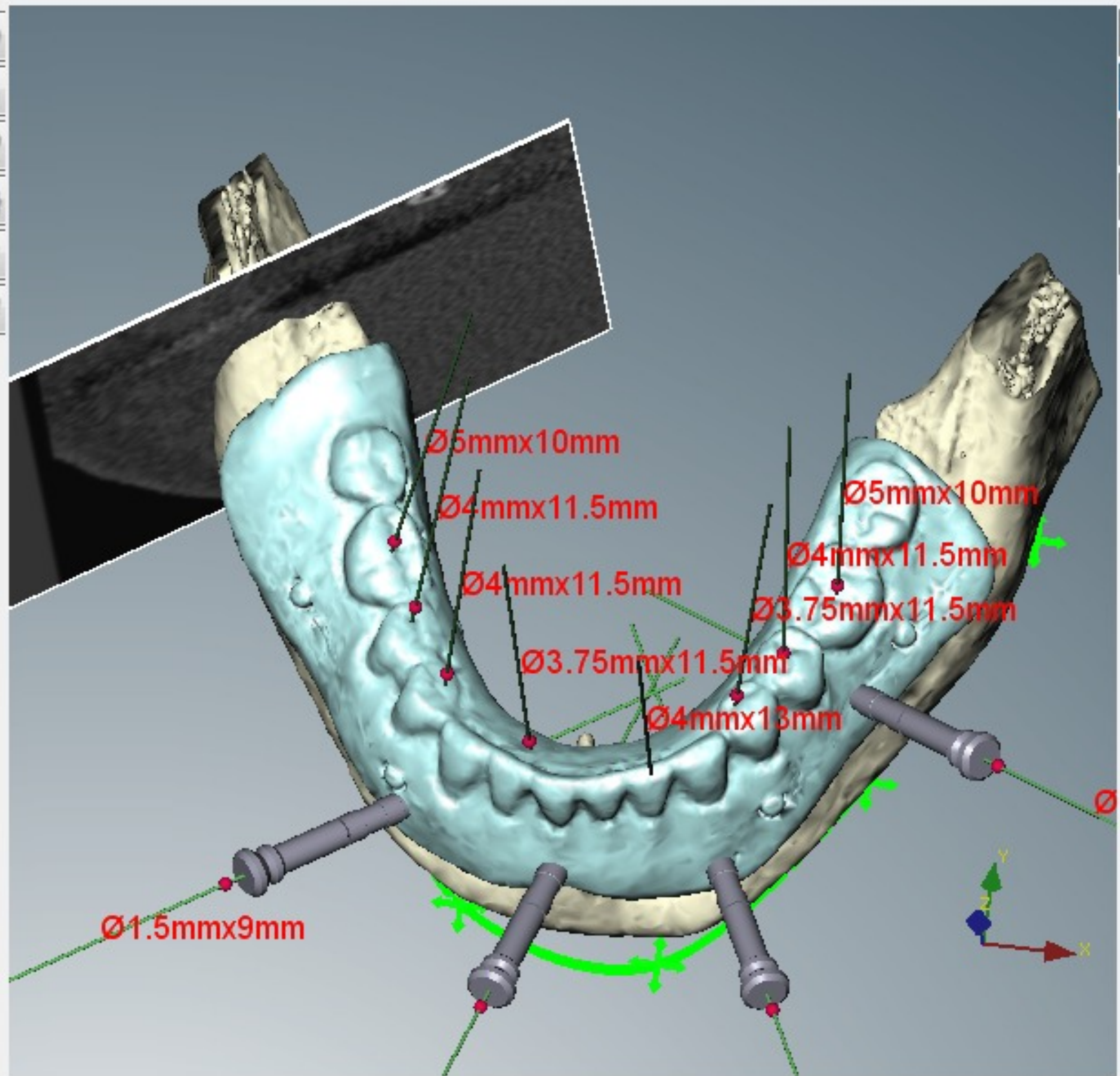
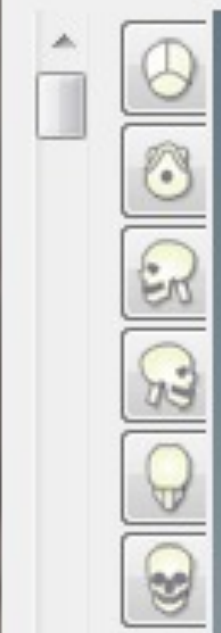
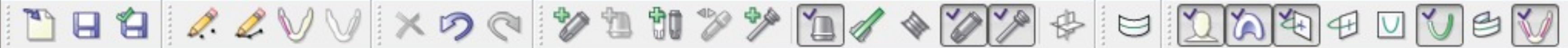




Juin 2010







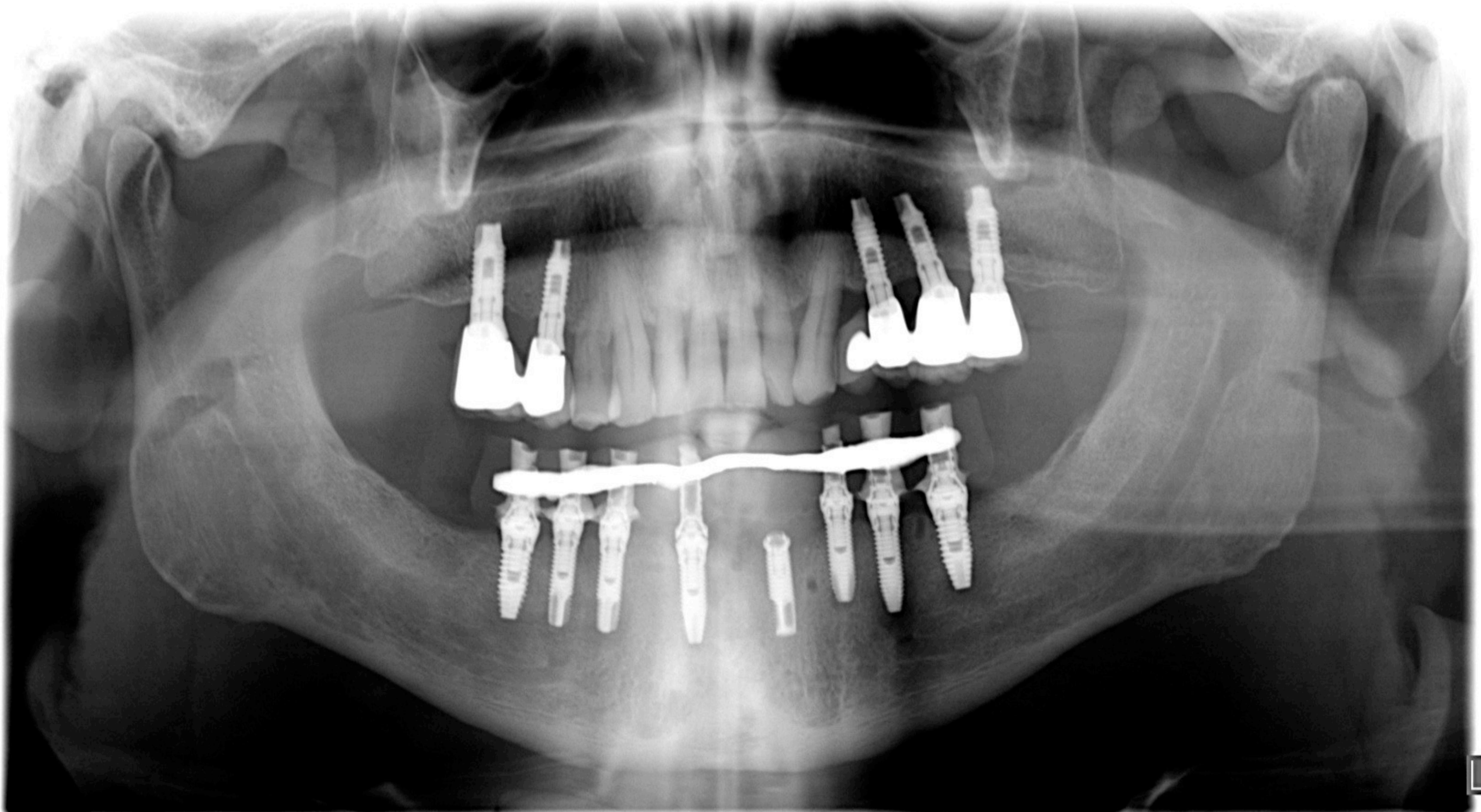
SHOW TUTORIAL

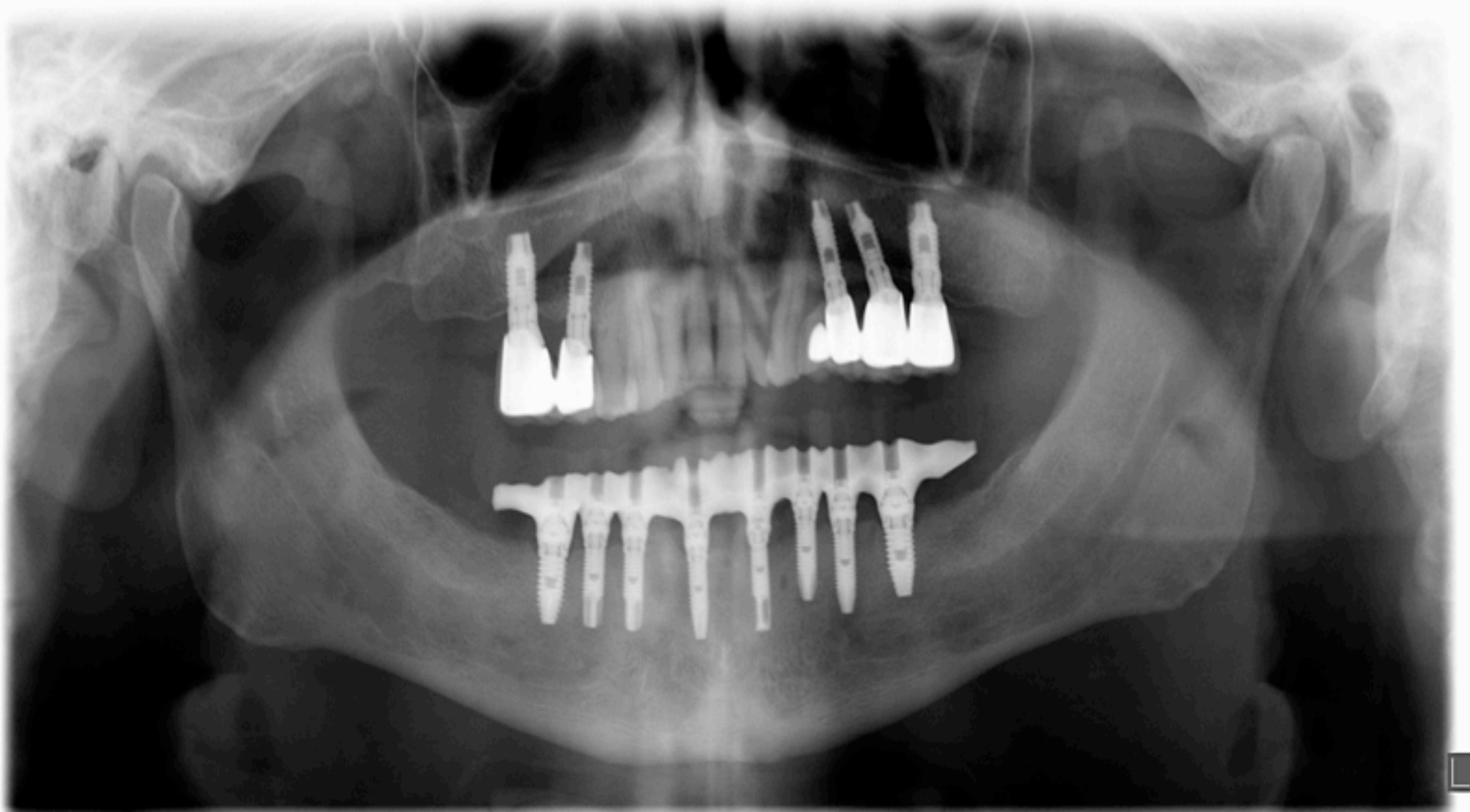
RotX RotY

Zoom

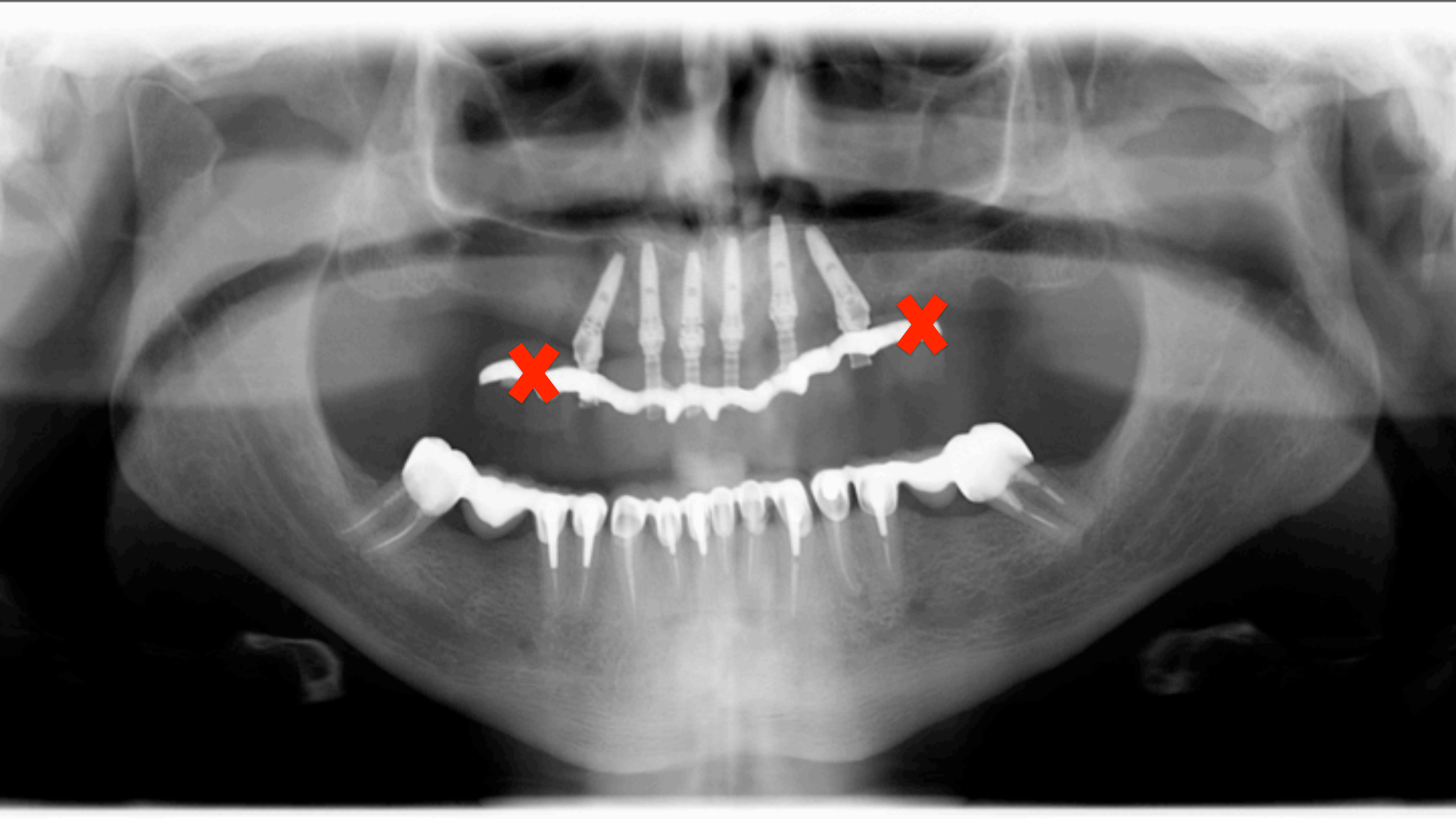
TransY TransX

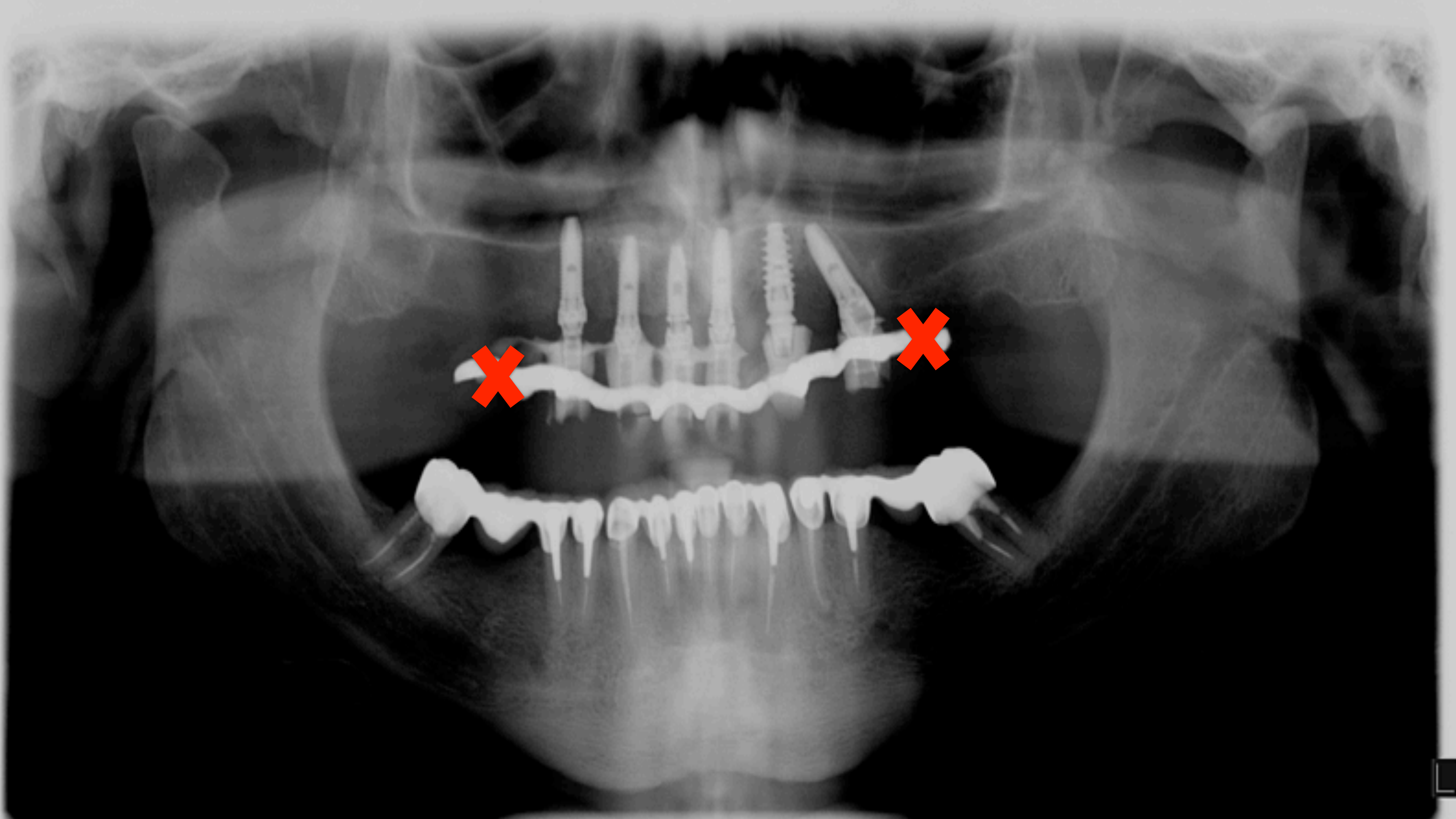
Zoom





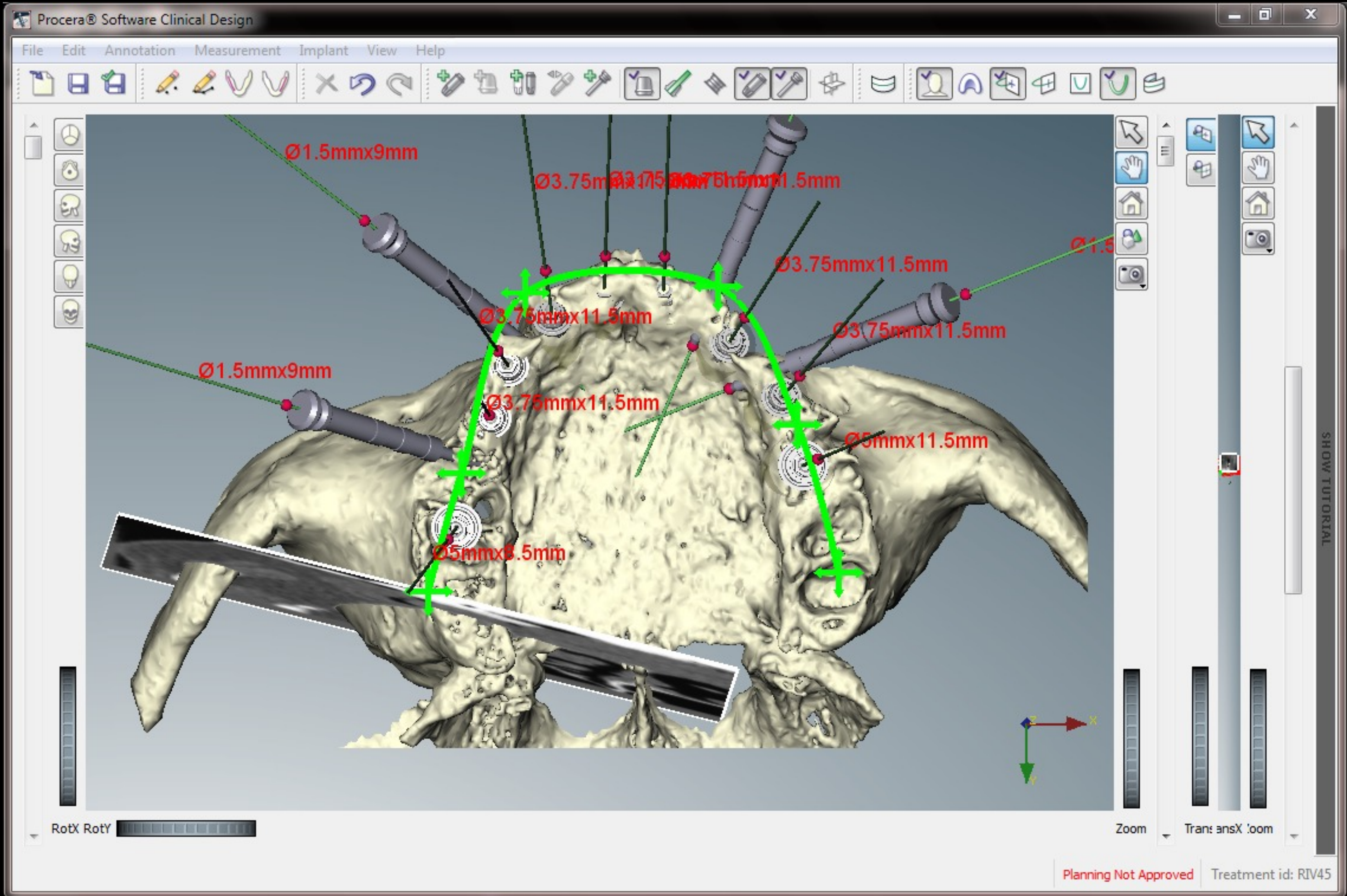


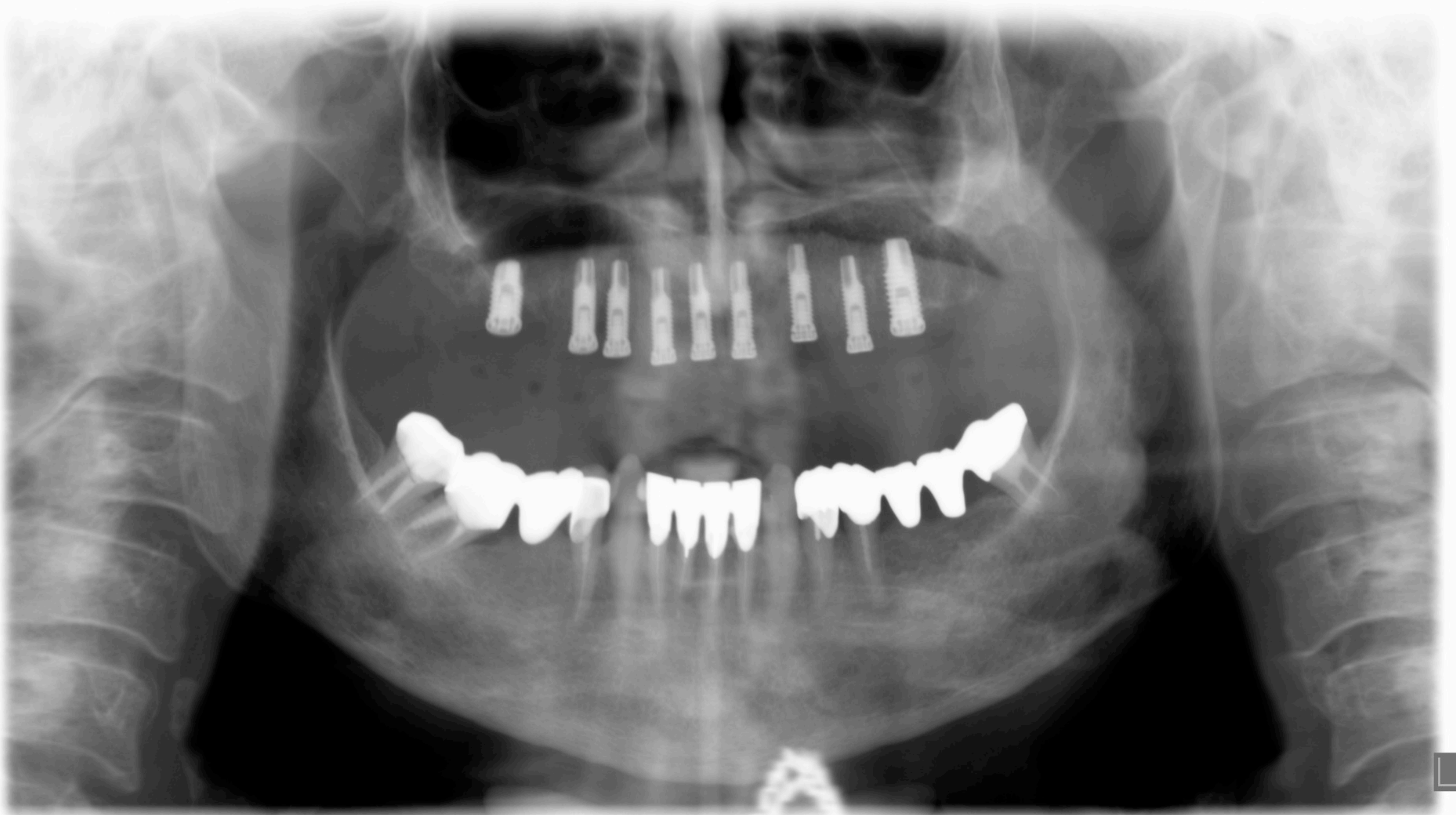


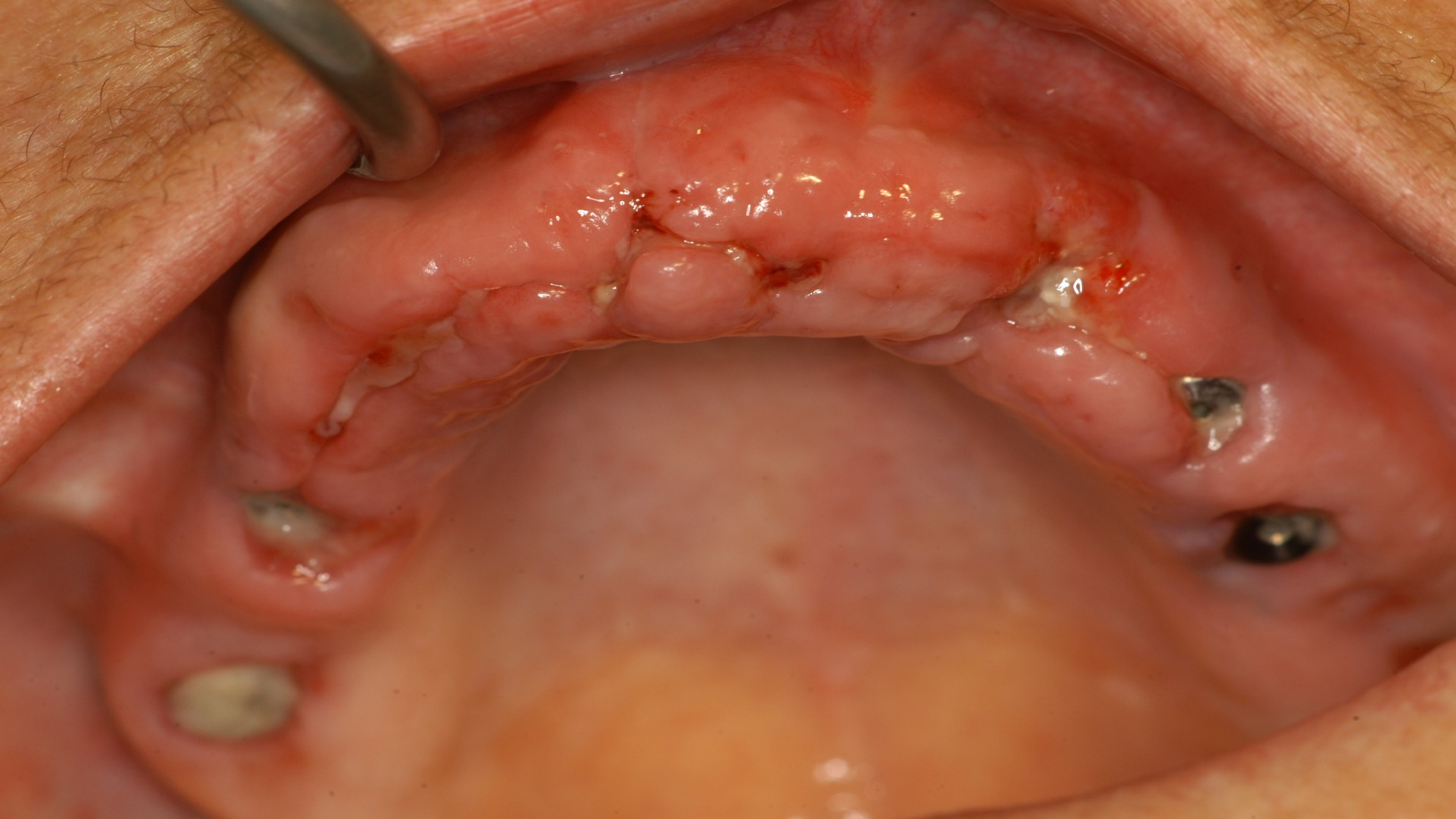














Procera® Software Clinical Design

File Edit Annotation Measurement Implant View Help

Ø1.5mmx9mm
Ø4mmx13mm
Ø4mmx19mm
Ø5mmx10mm

RotX RotY

Zoom

mm
Ø1.5mmx9mm
Ø4mmx13mm
Ø4mmx13mm
Ø5mmx10mm

TransY TransX

Zoom

SHOW TUTORIAL



Procera® System

- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RIV.28

Scanner Status:
No scanner connected

System Status:

Progress:

Exit System

Procera® Software Clinical Design

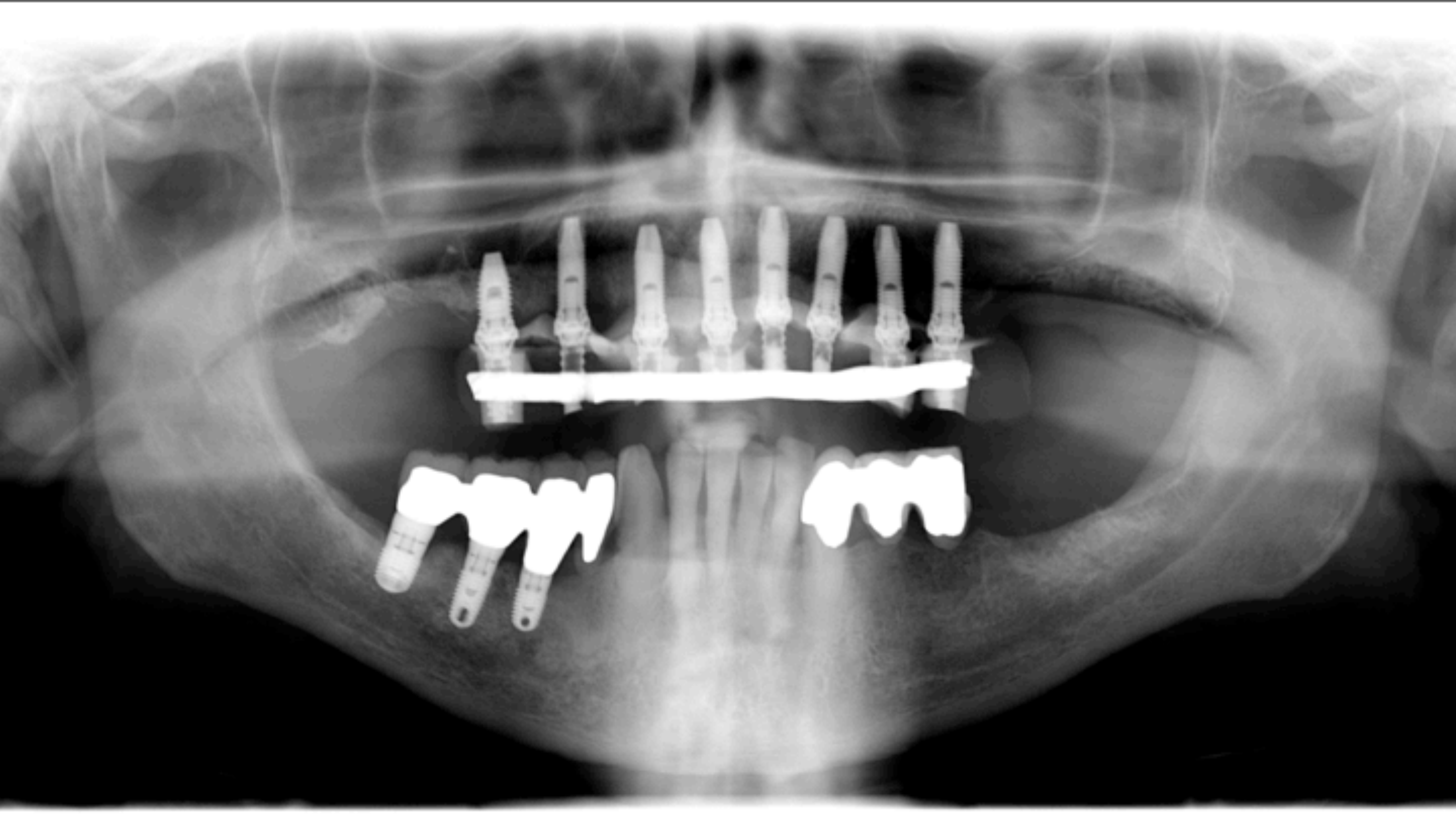
File Edit Annotation Measurement Implant View Help

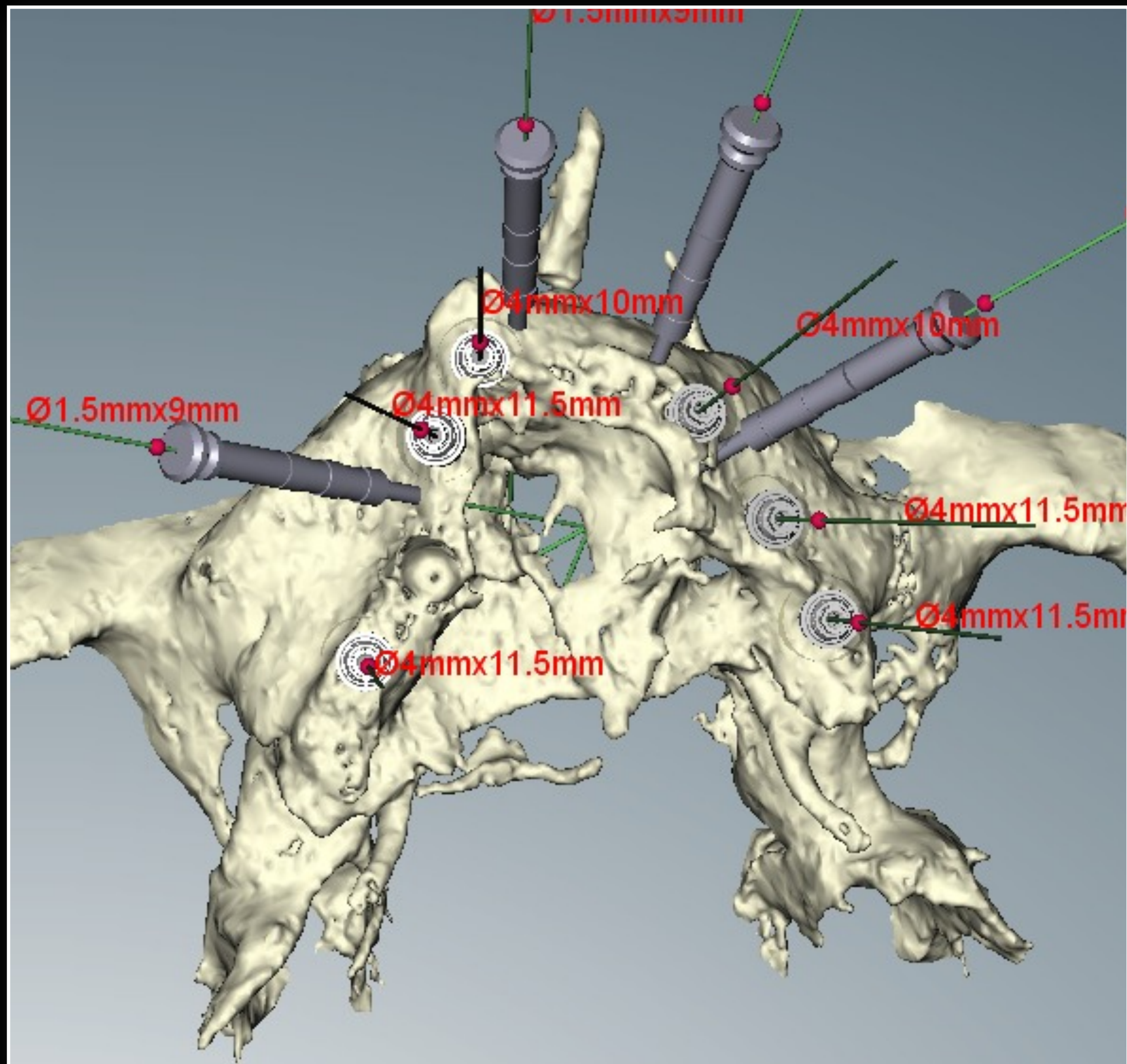
RotX RotY Zoom TransY TransX Zoom

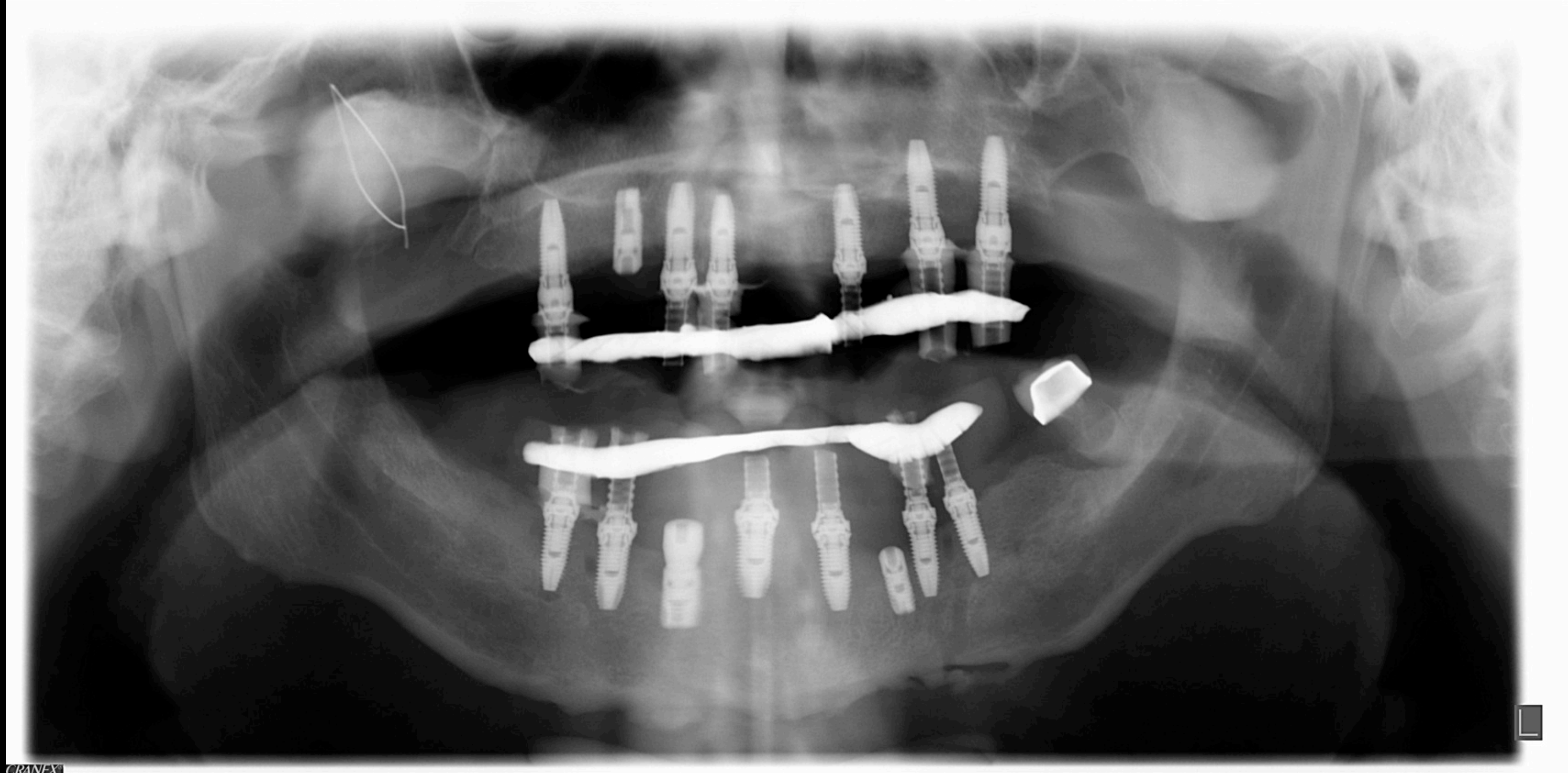
Notes & Warnings (1) Planning Not Approved Treatment id: RIV32



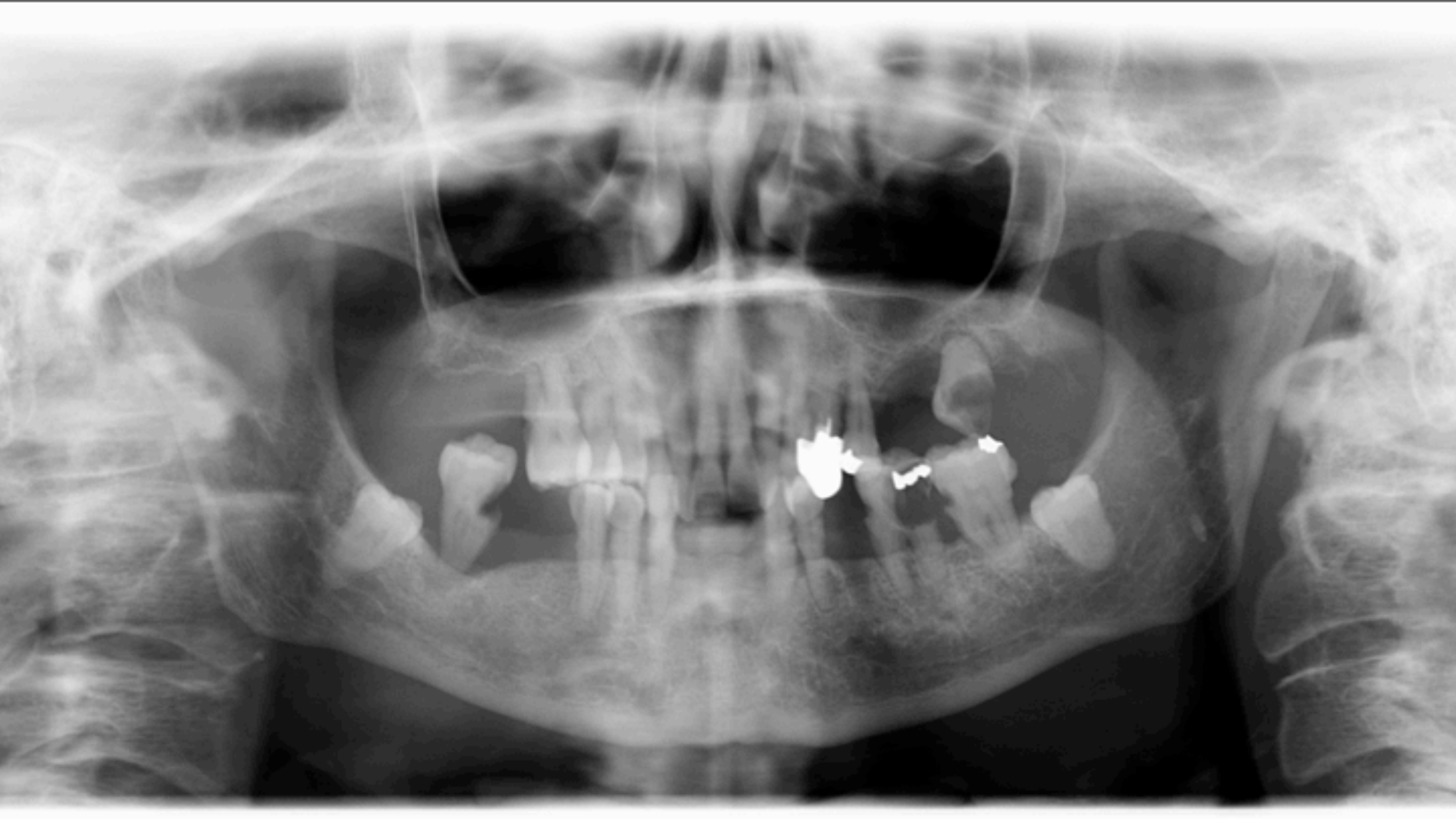


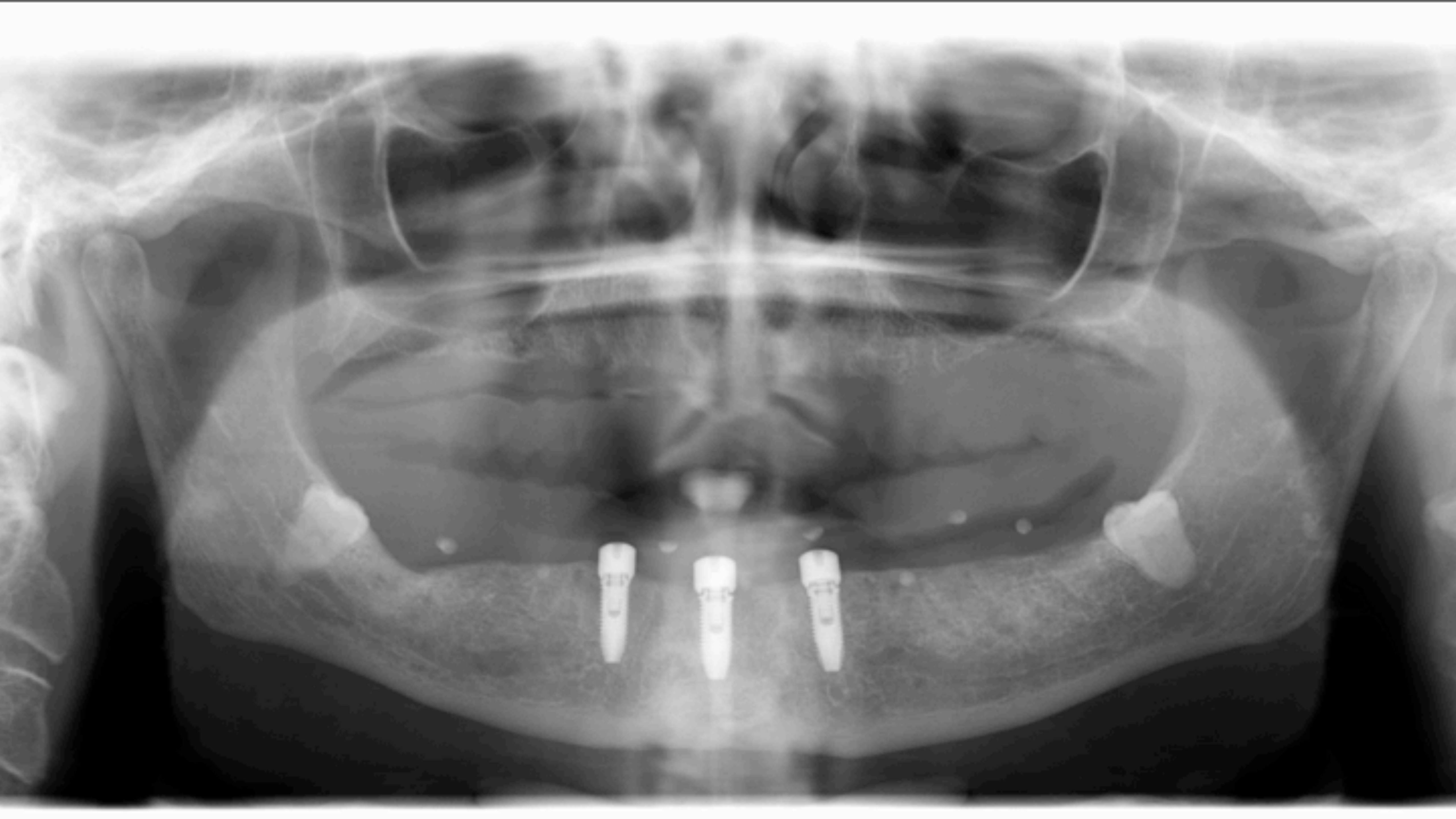


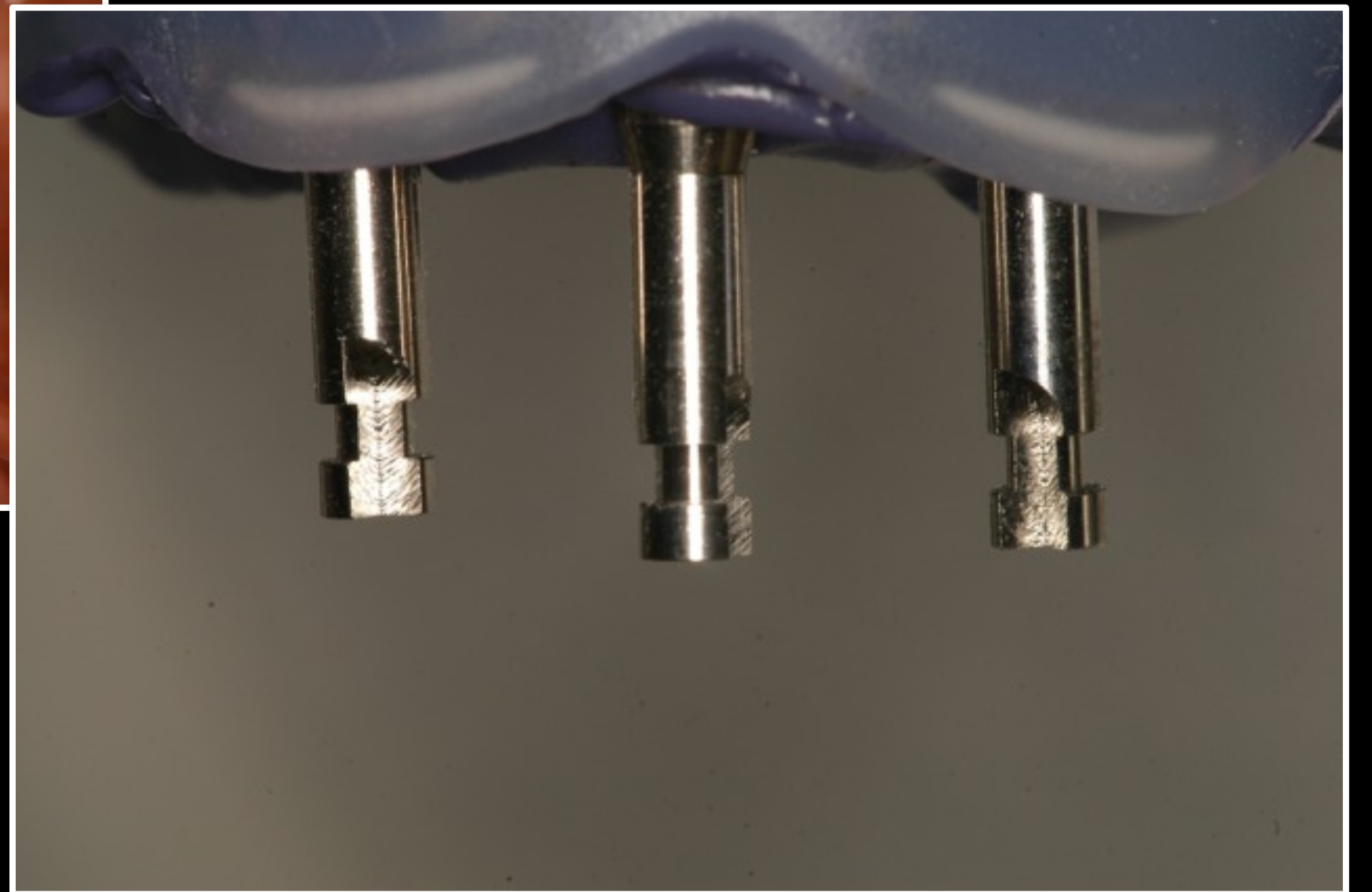
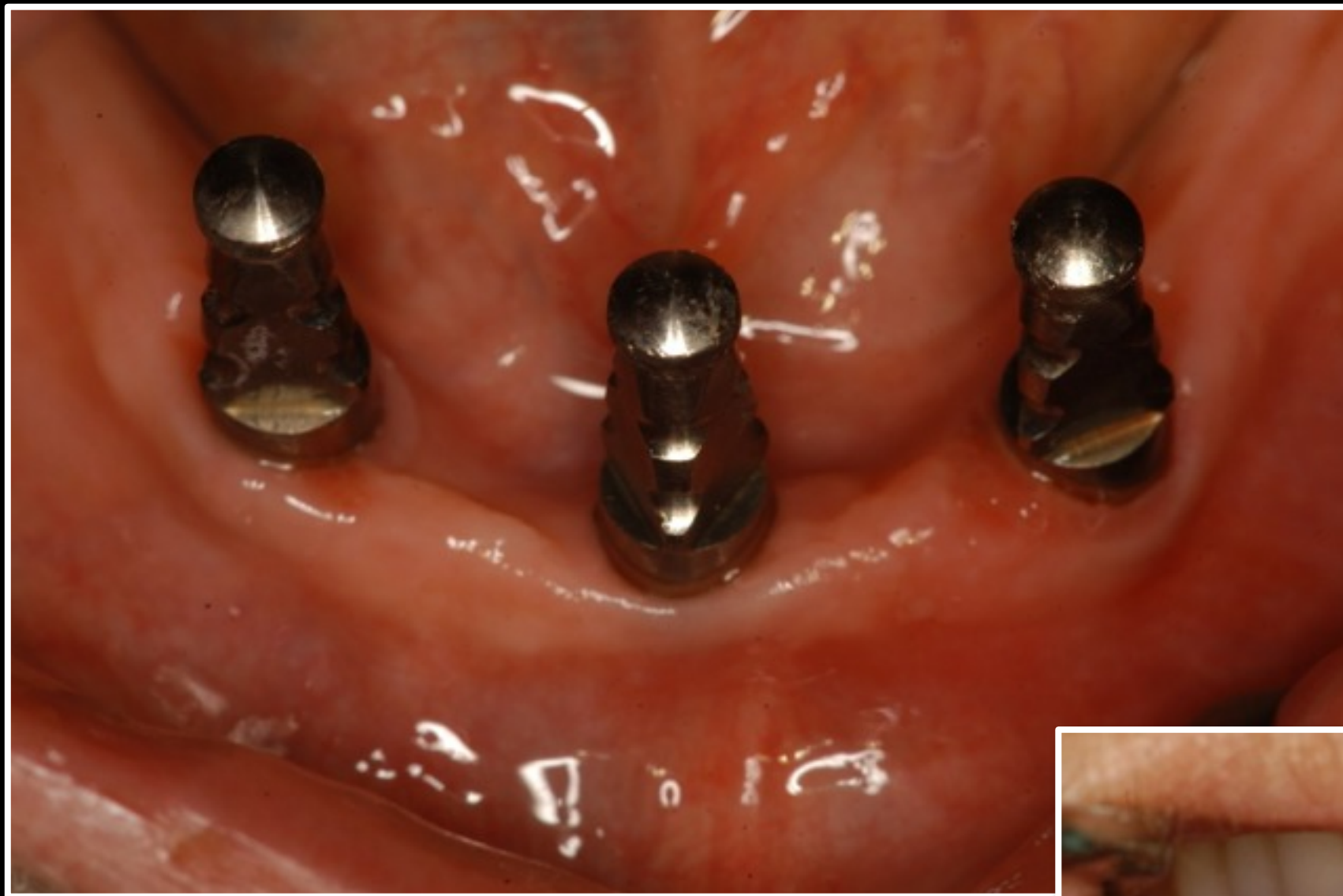


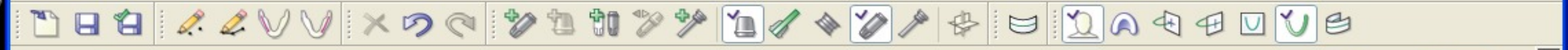


Edentement Complet
Stabilisation de PAC









Procera® System

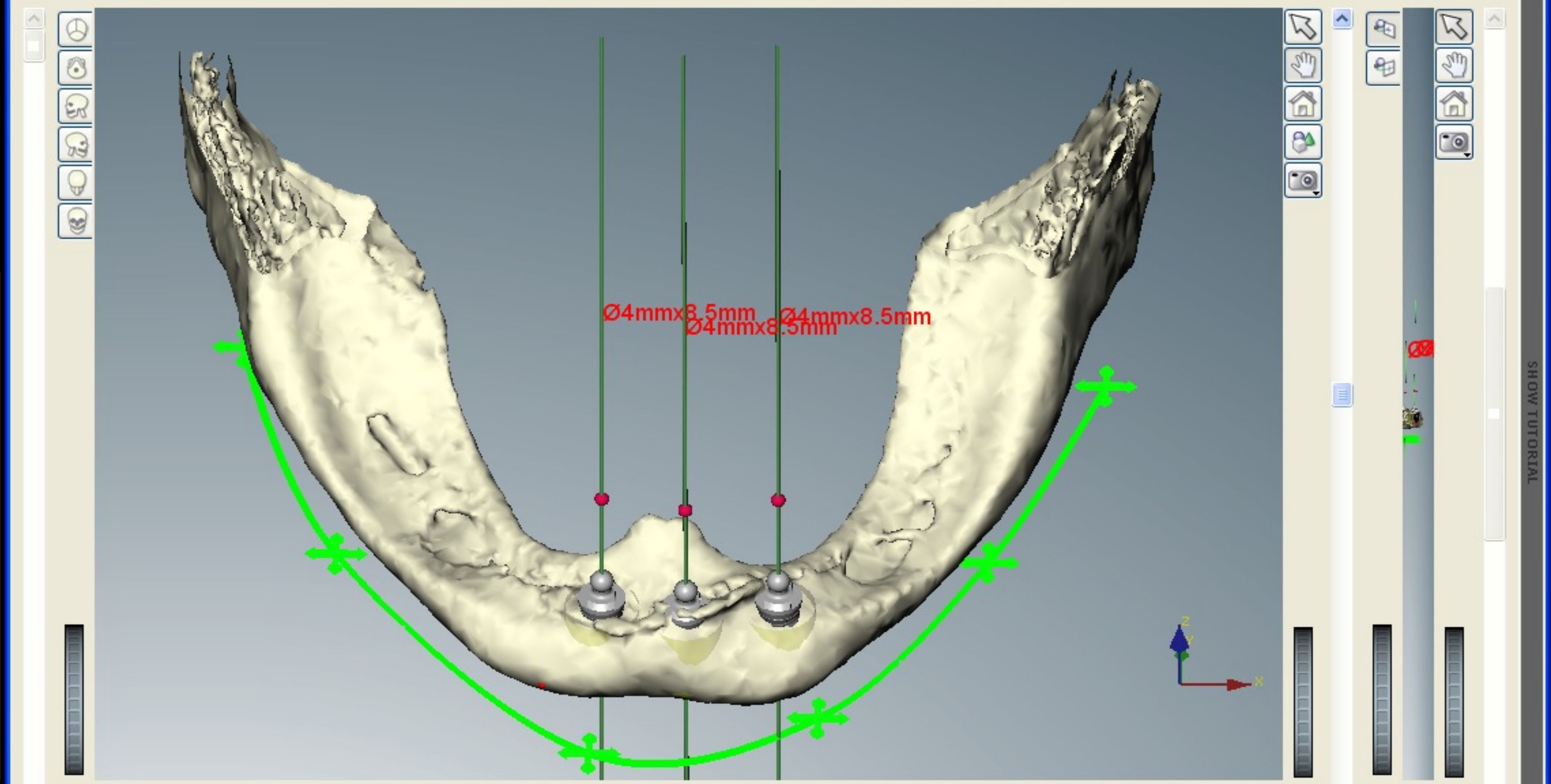
- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RIV.23

Scanner Status:
No scanner connected

System Status:

Progress:

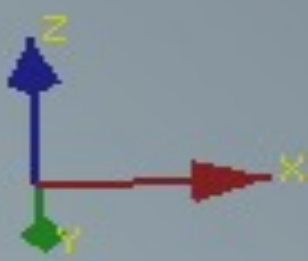
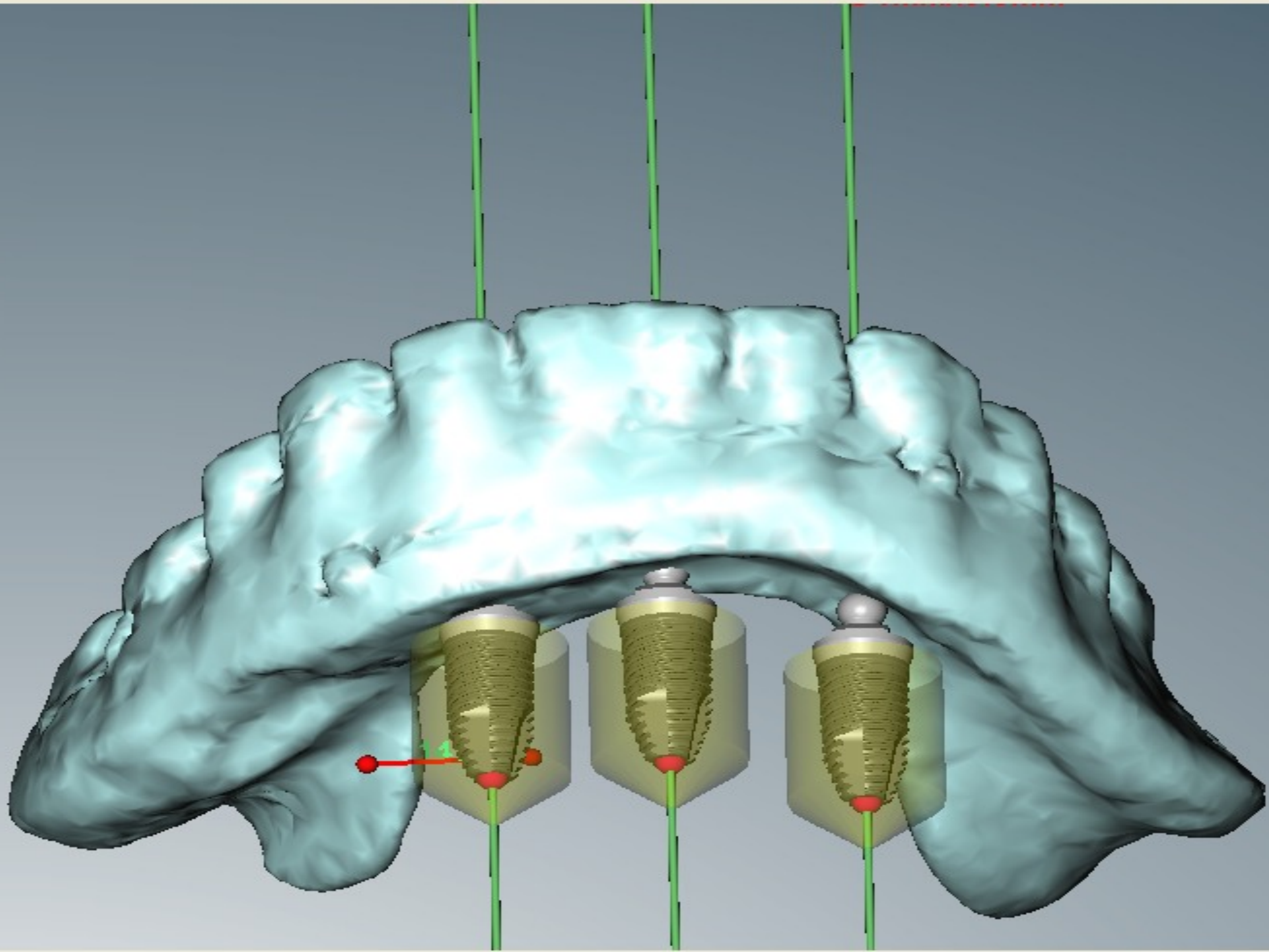


RotX RotY

Zoom Trans ansX Zoom

Exit System

SHOW TUTORIAL

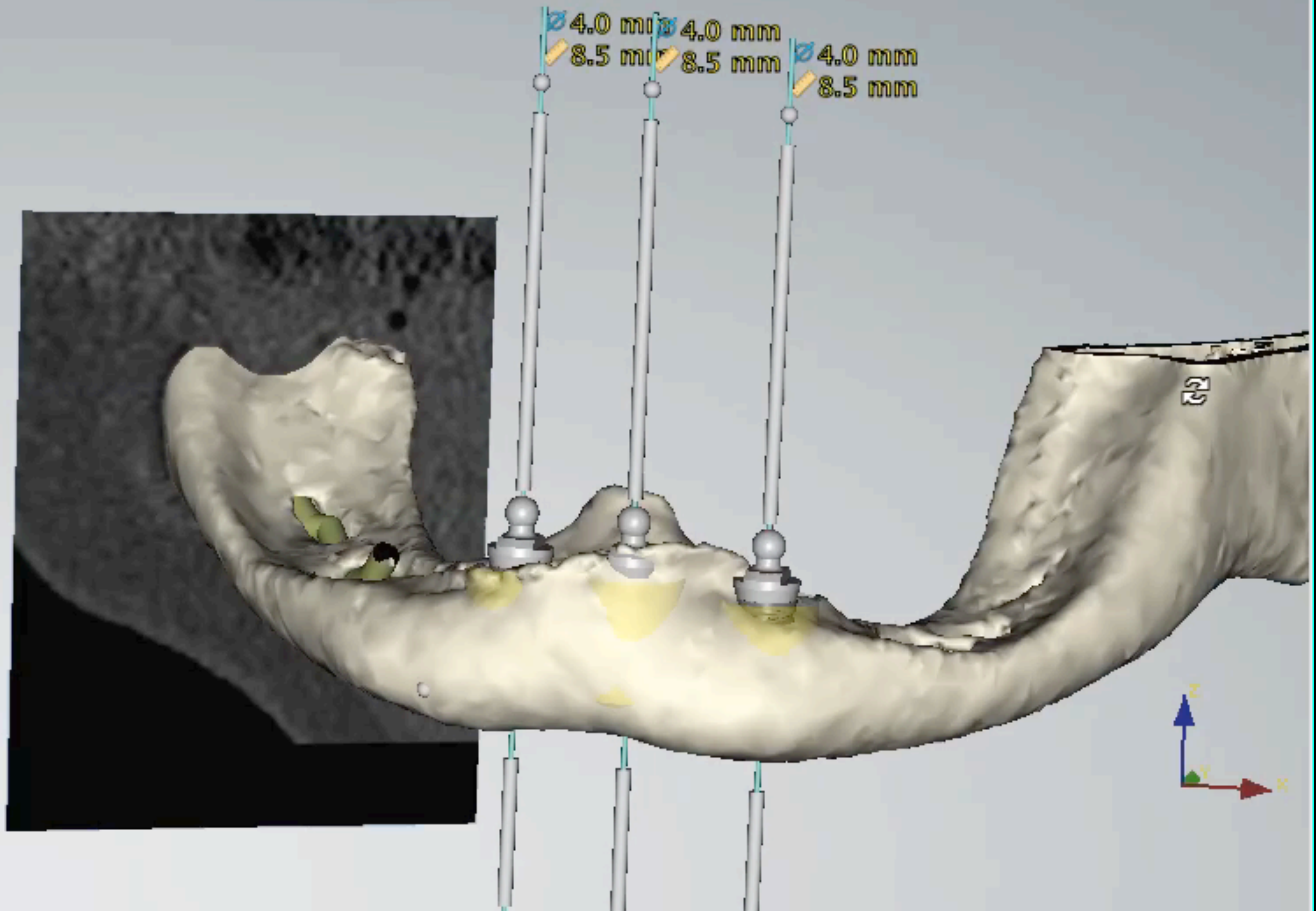


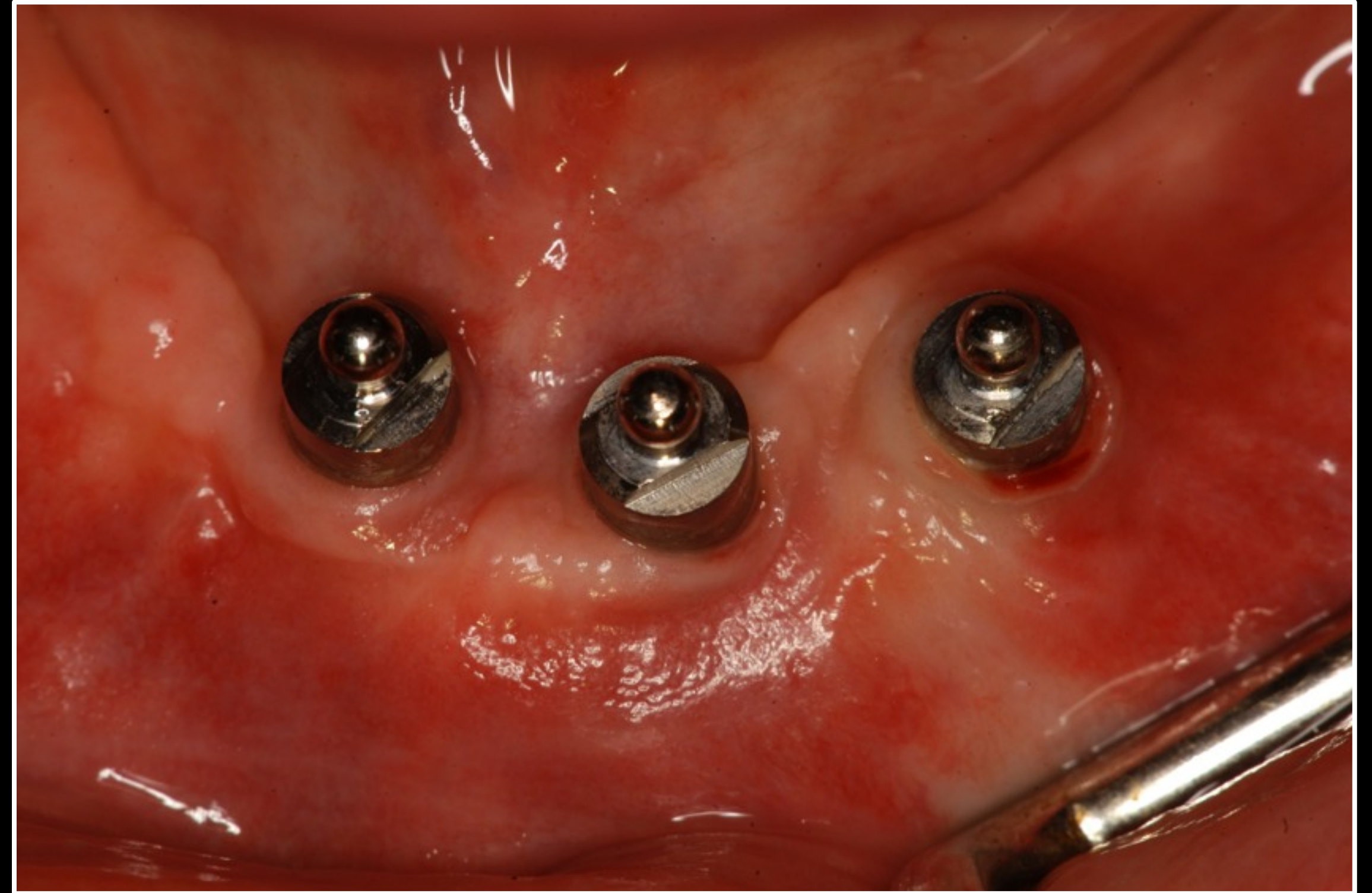
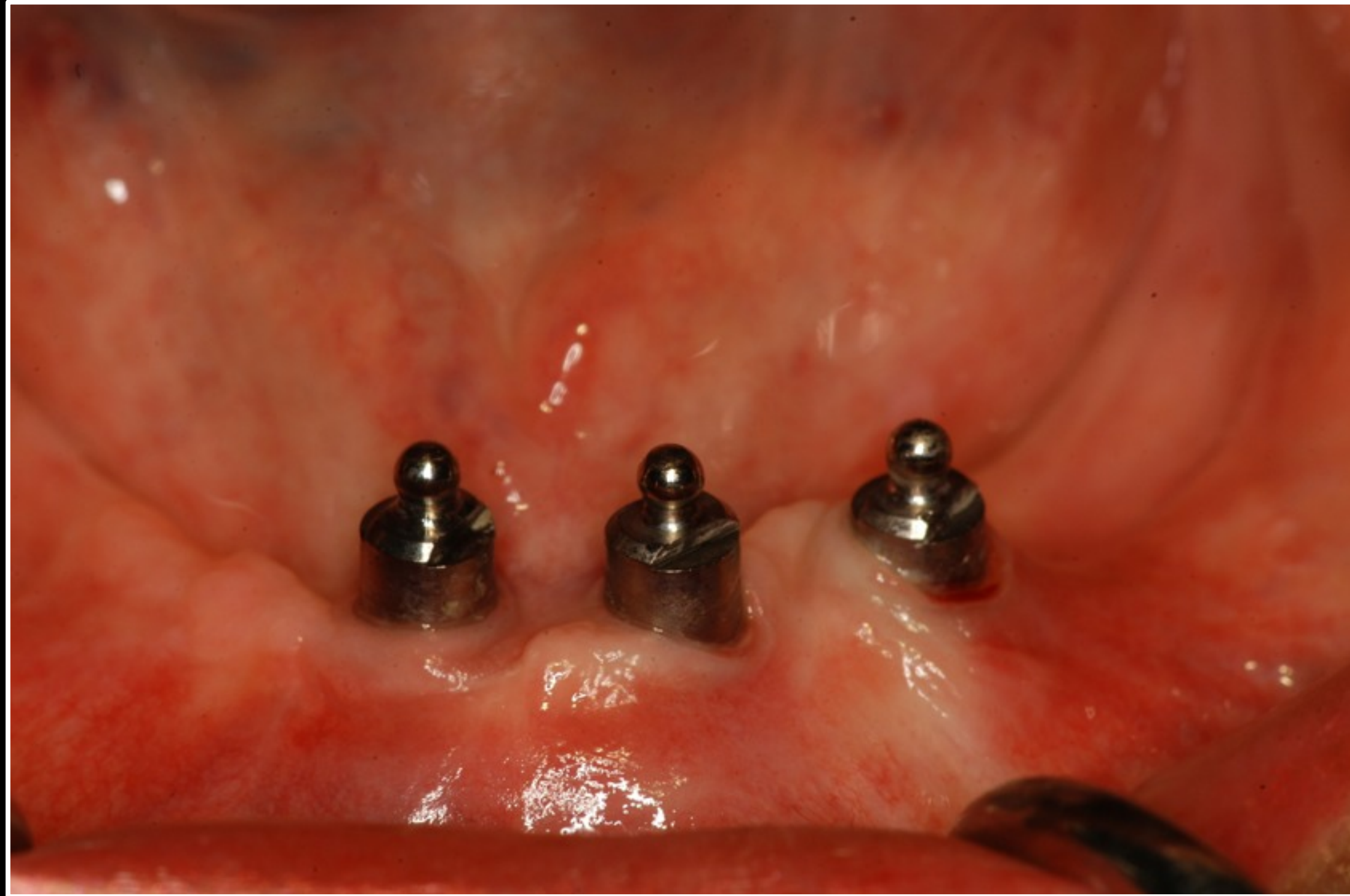
RotX RotY

Zoom Trans ansX Zoom

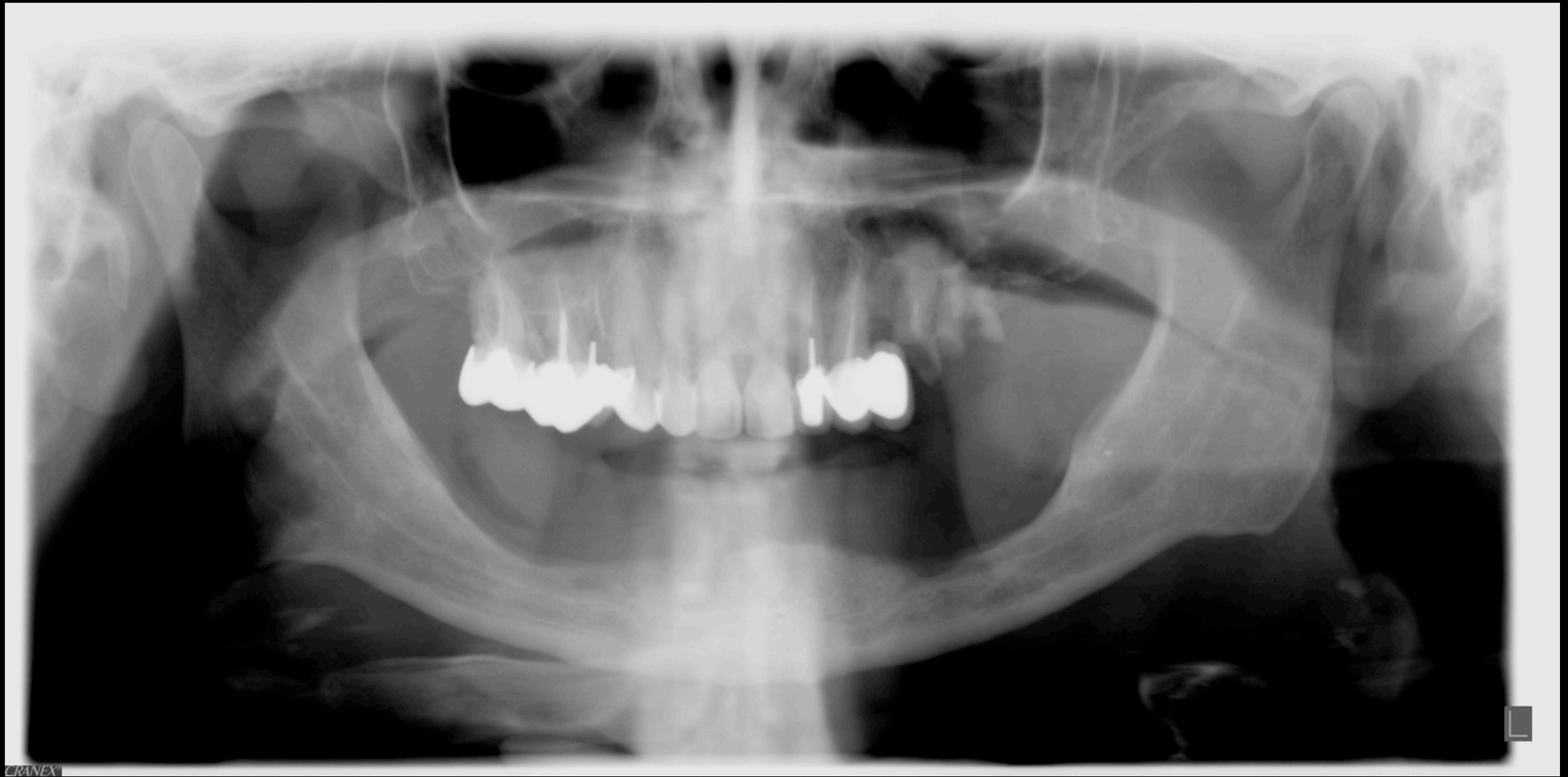
Planning Not Approved Treatment id: RIV35

SHOW TUTORIAL









Treatment Prepare Diagnose Plan Finalize

Bone Guide Scanner Orientation Panoramic Level Window Bone Guide

Create Ct Data Edit

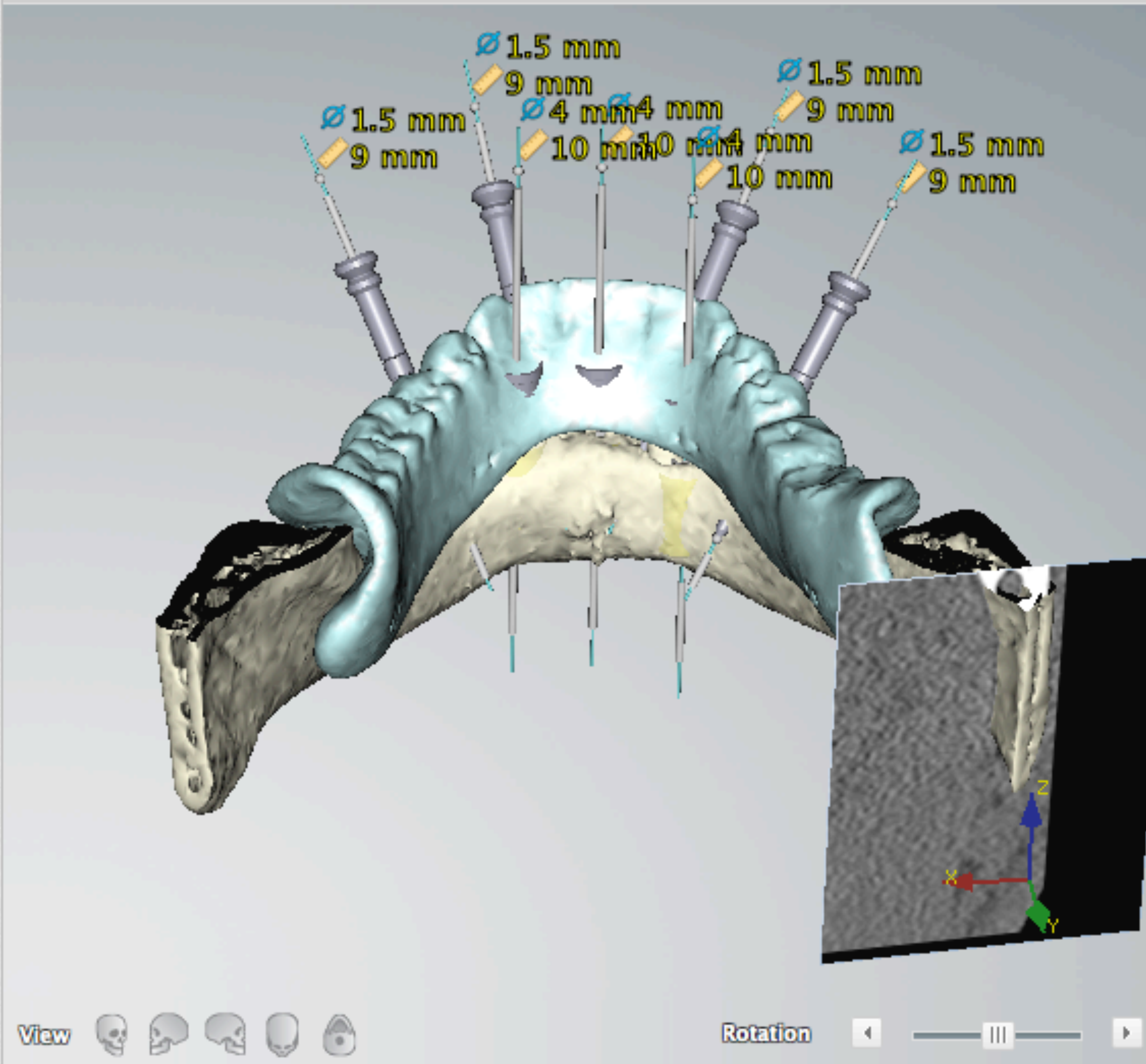
Assistant

Warnings (1)



3D Viewer

Perpendicular



Interaction Mode

Tools

- Save
- Undo
- Redo
- Level / Window
- Snapshot
- Change Workspace
- Set Focus
- Rulers

Crossed Editor

- Attach To Curve
- Attach To Implant
- Attach To Anchor Pin
- Next
- Previous

Visibility Editor

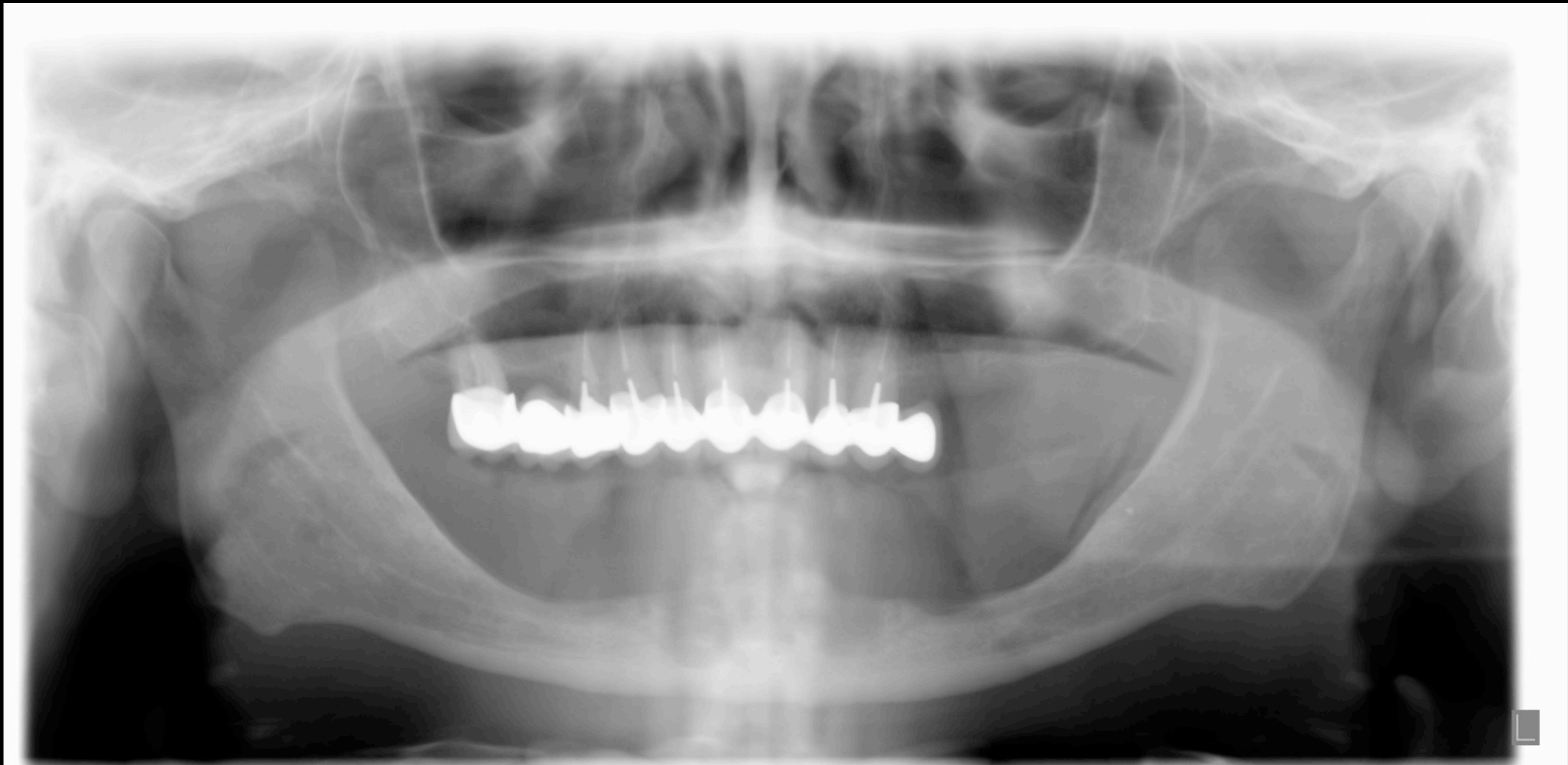
General Objects

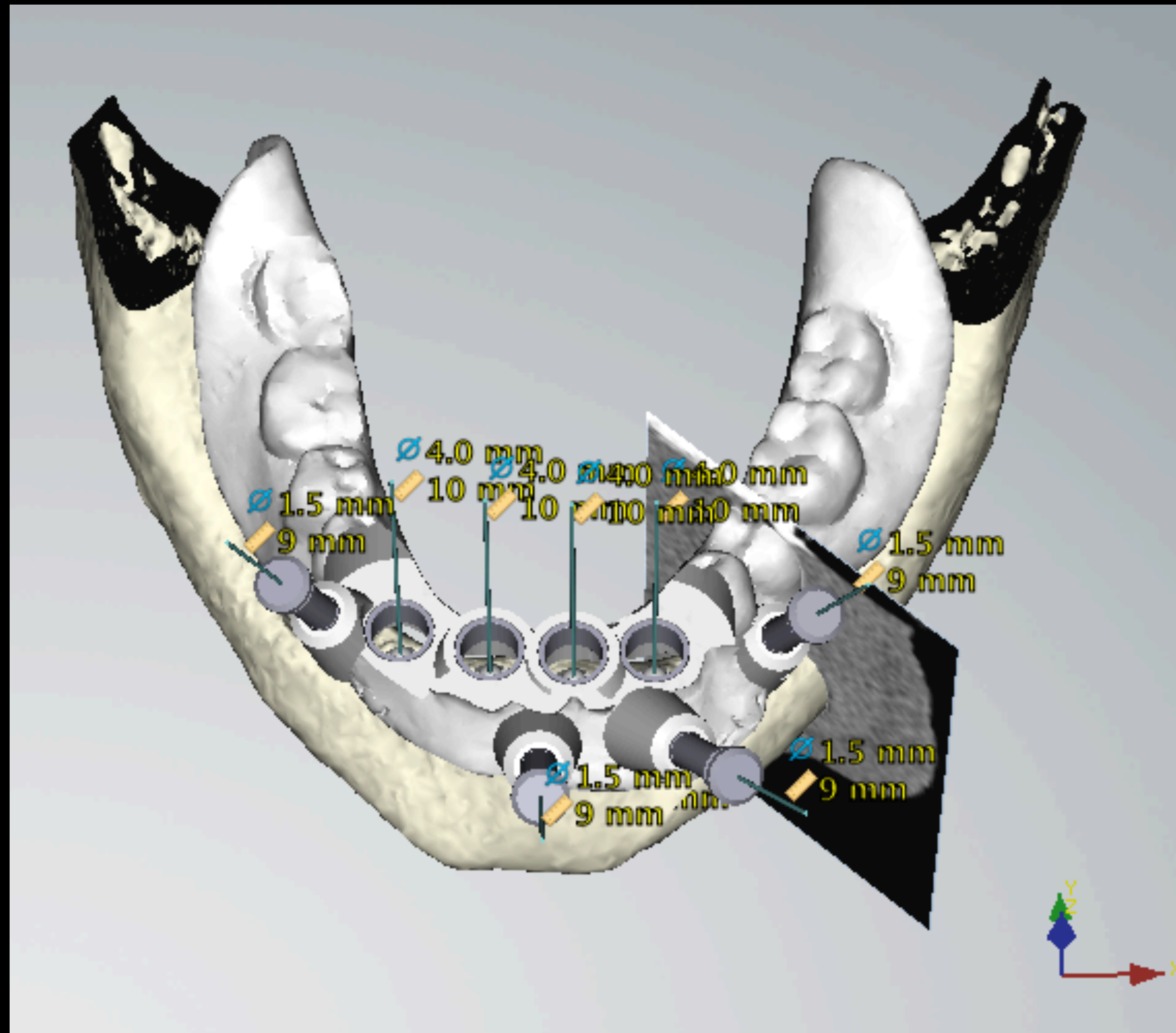
- Bone
- Radiographic Guide

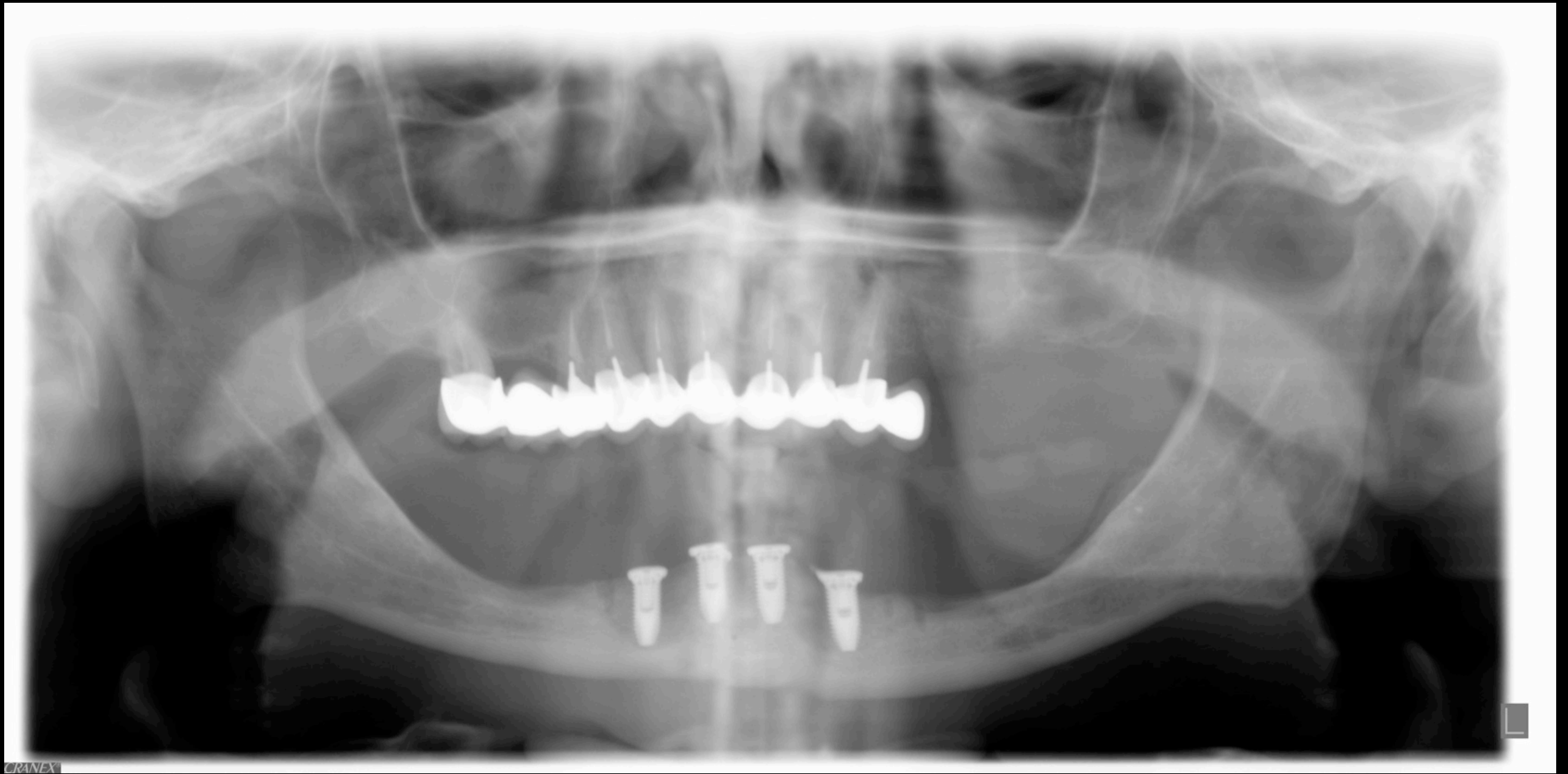
Planning Objects

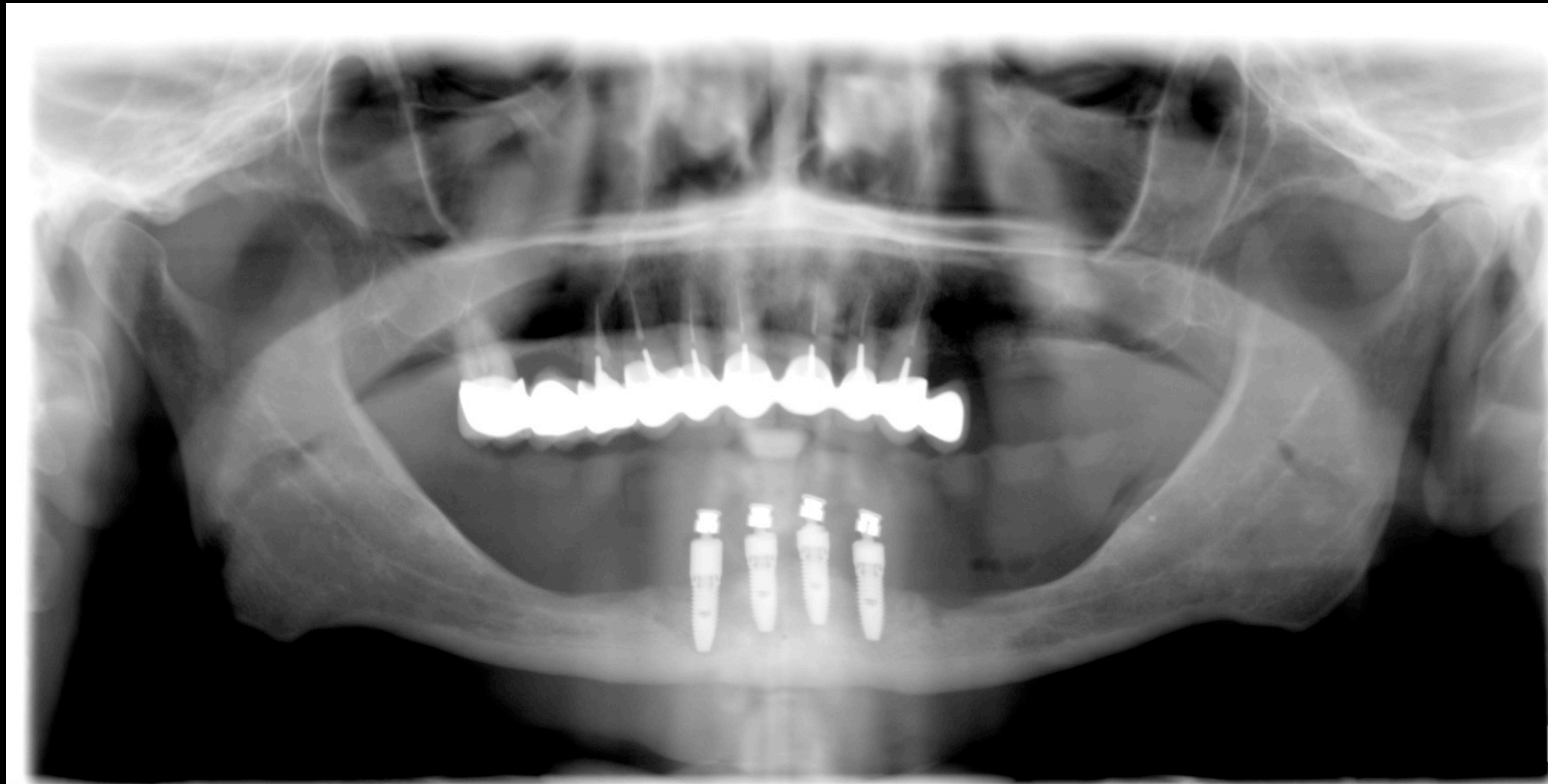












Edentement encastré



Procera® System

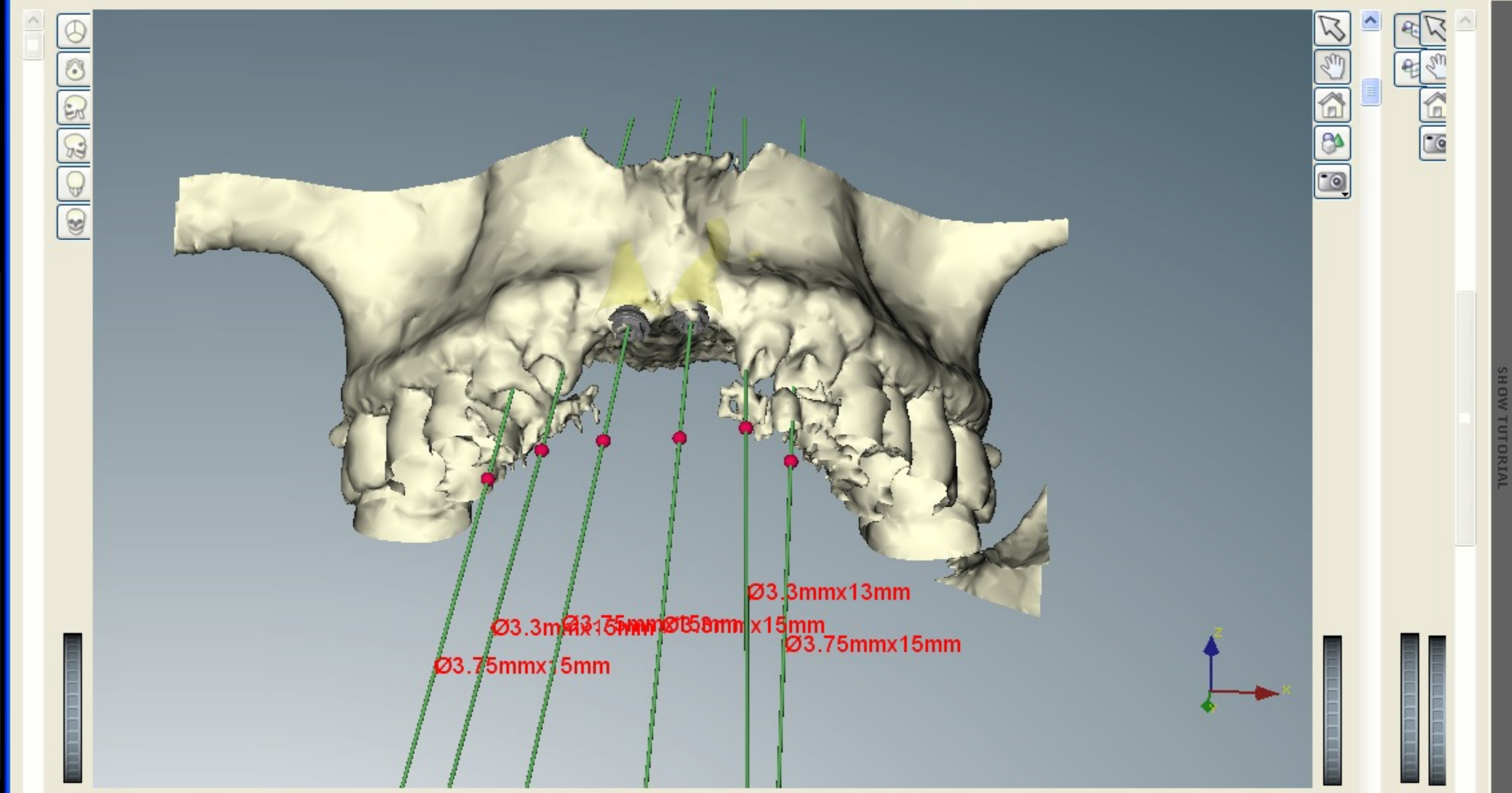
- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RIV.22

Scanner Status:
No scanner connected

System Status:

Progress:



Exit System

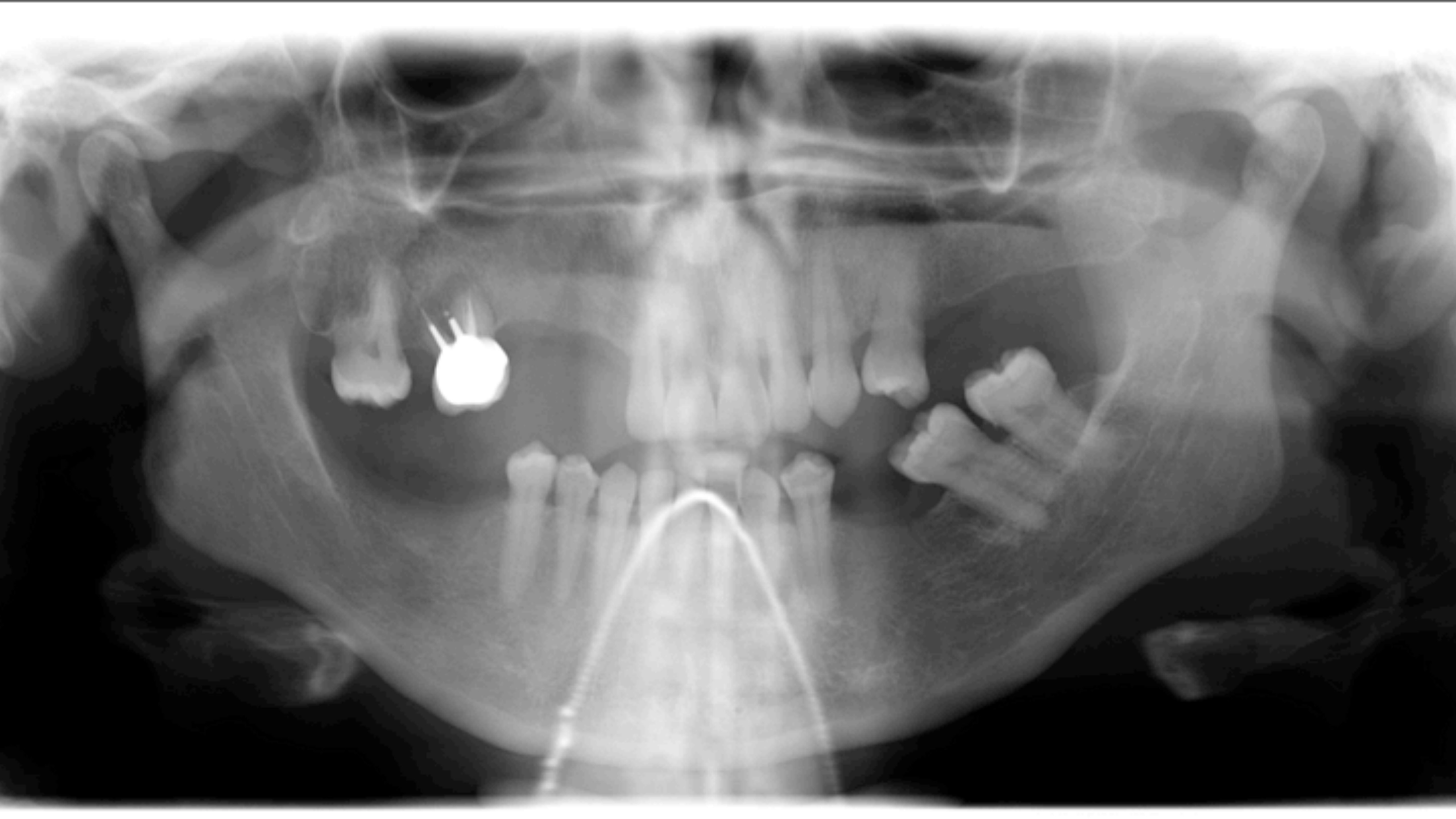
SHOW TUTORIAL



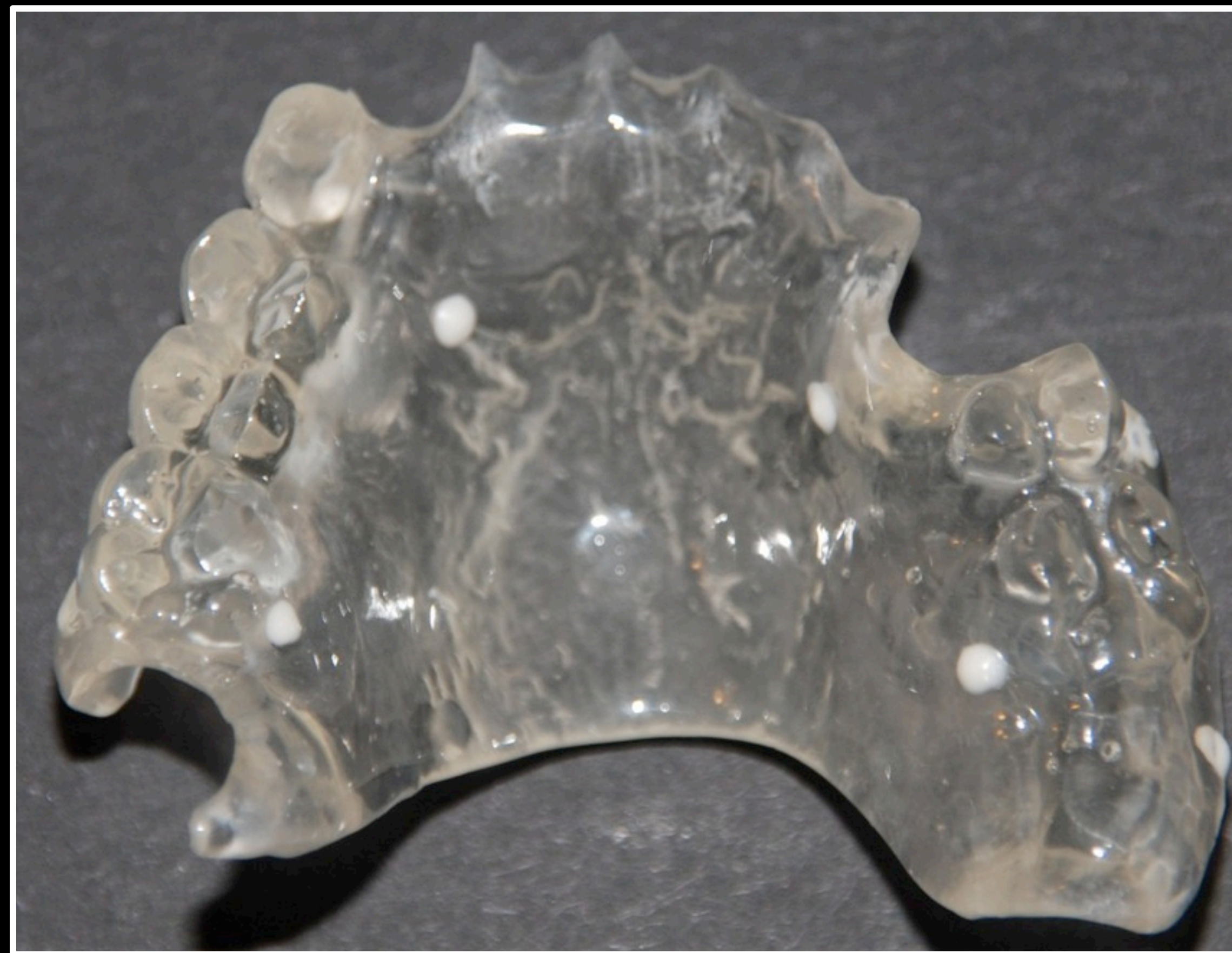


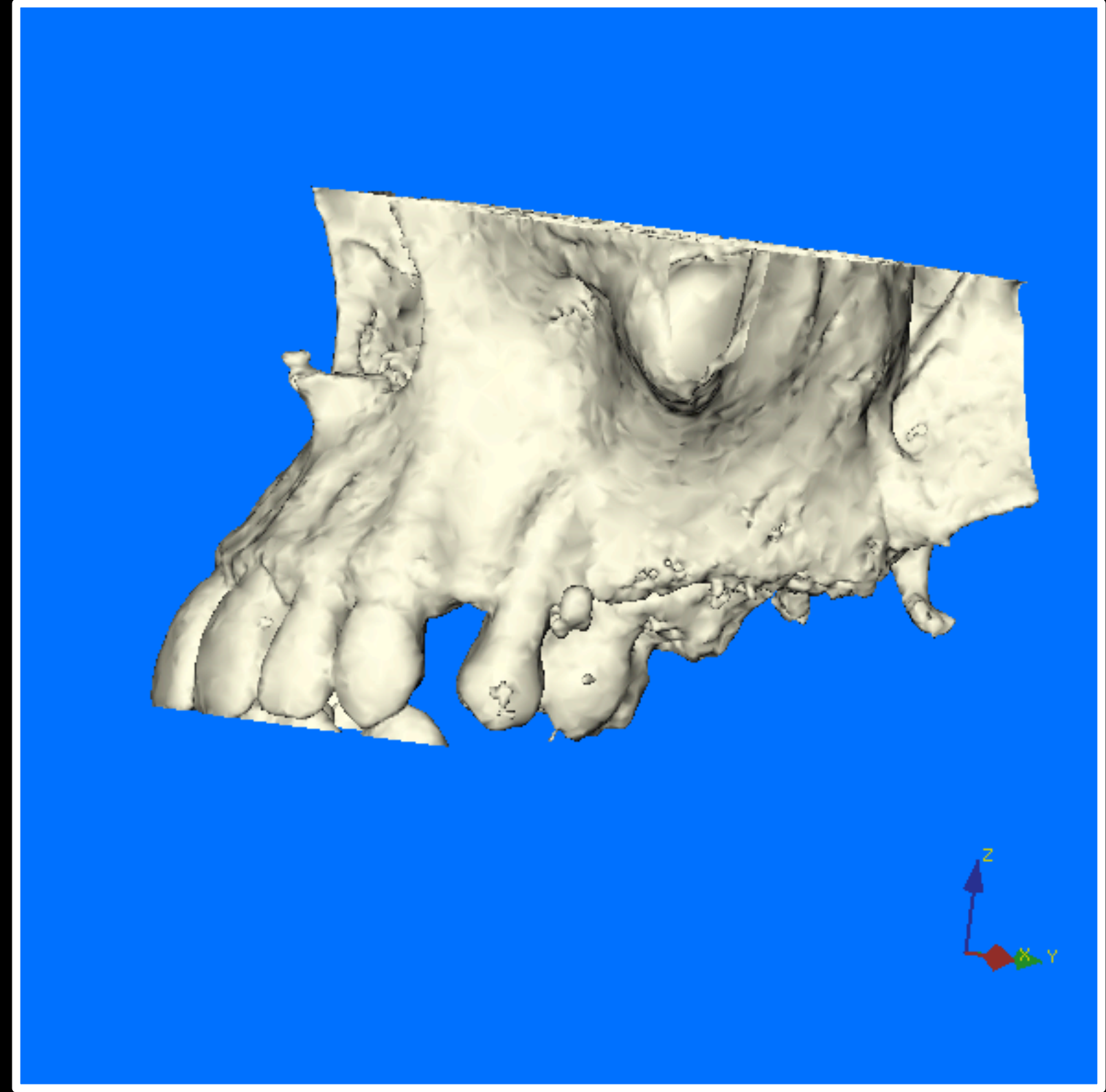
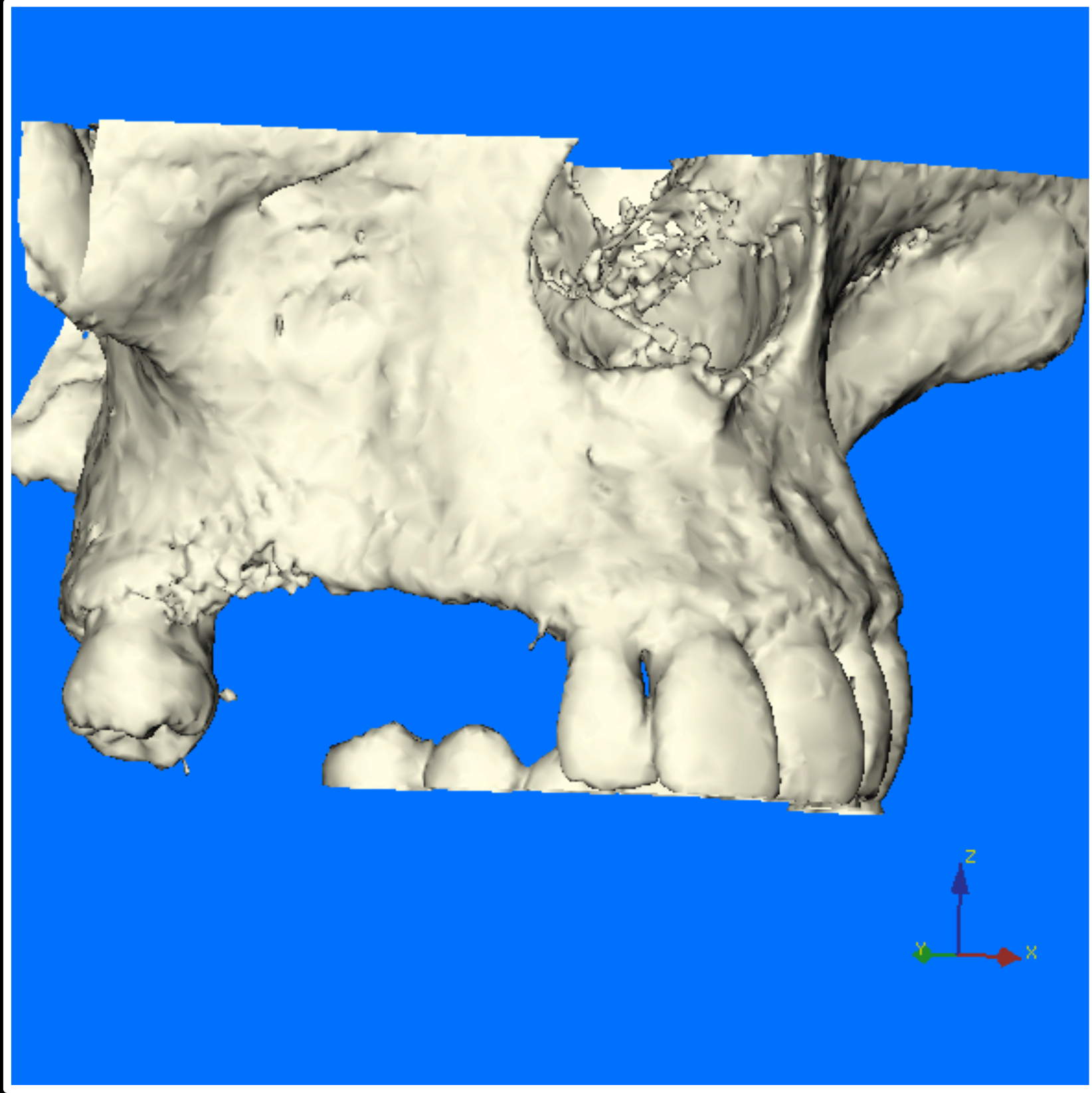






Cas clinique Mme I.







Procera® System

Online

Order Manager

CadDesign

Settings

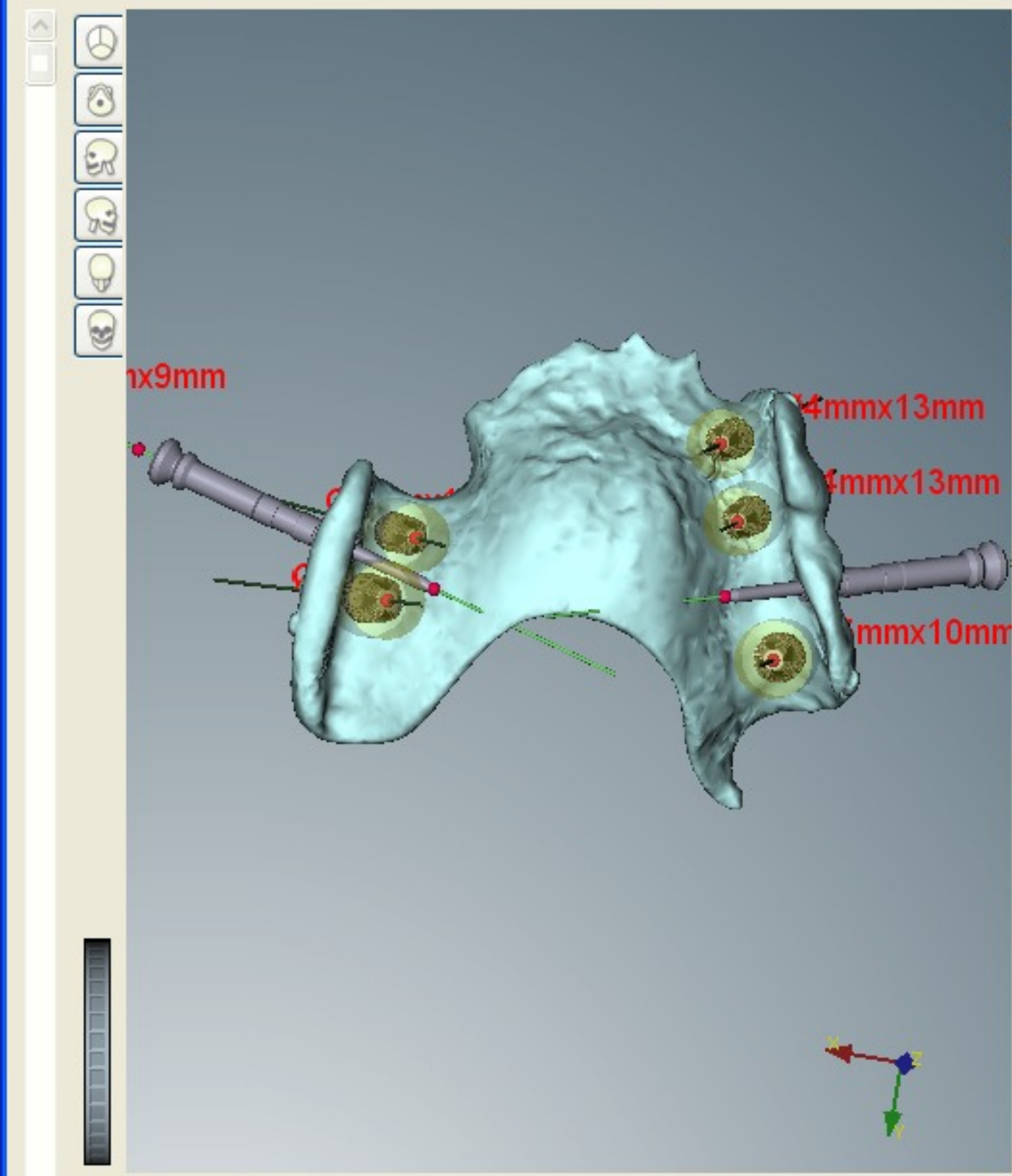
Order Status:
Open Order: RIV.27

Scanner Status:
No scanner connected

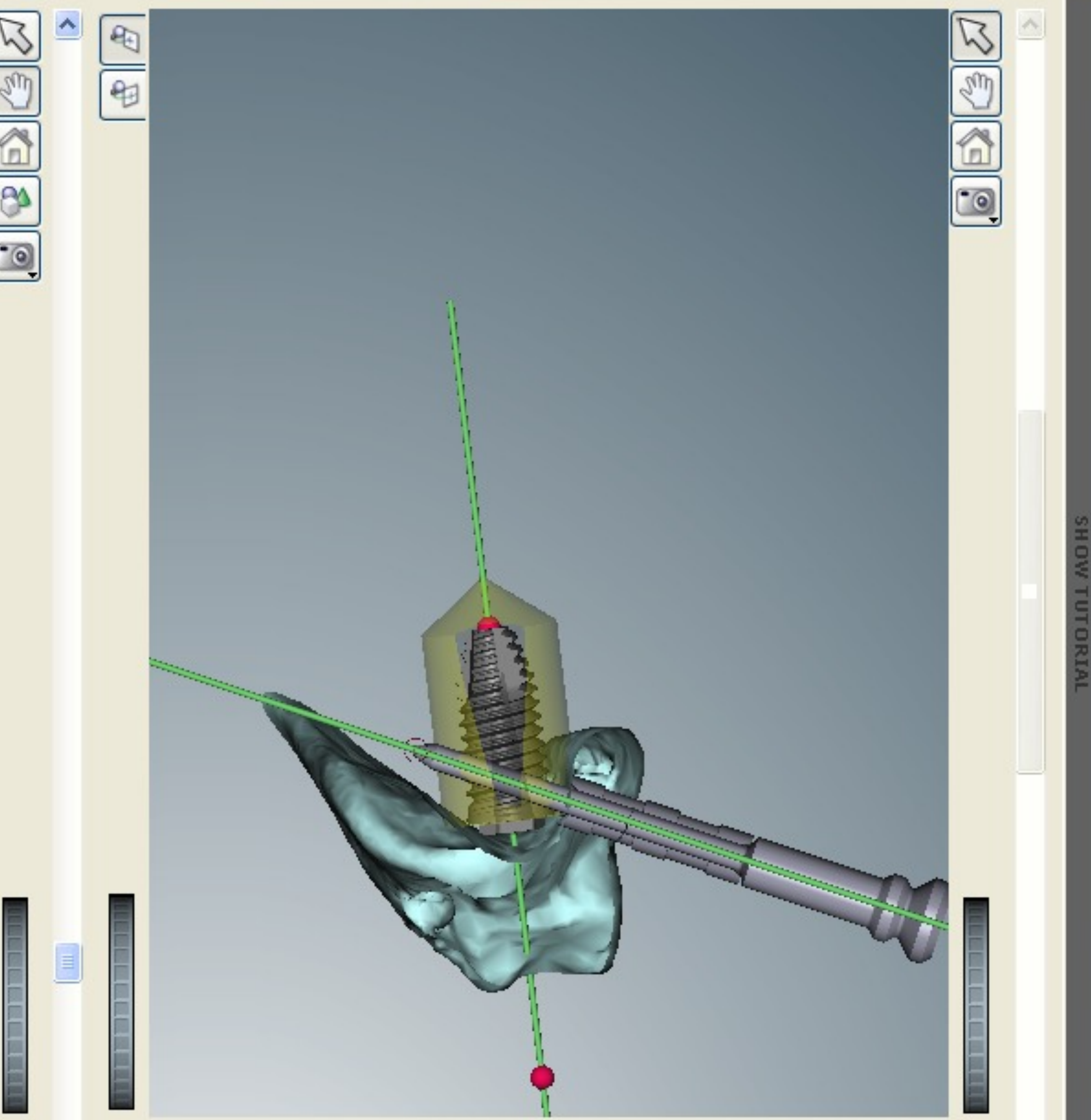
System Status:

Progress:

Exit System



RotX RotY



Zoom TransY TransX Zoom

SHOW TUTORIAL



Procera® System

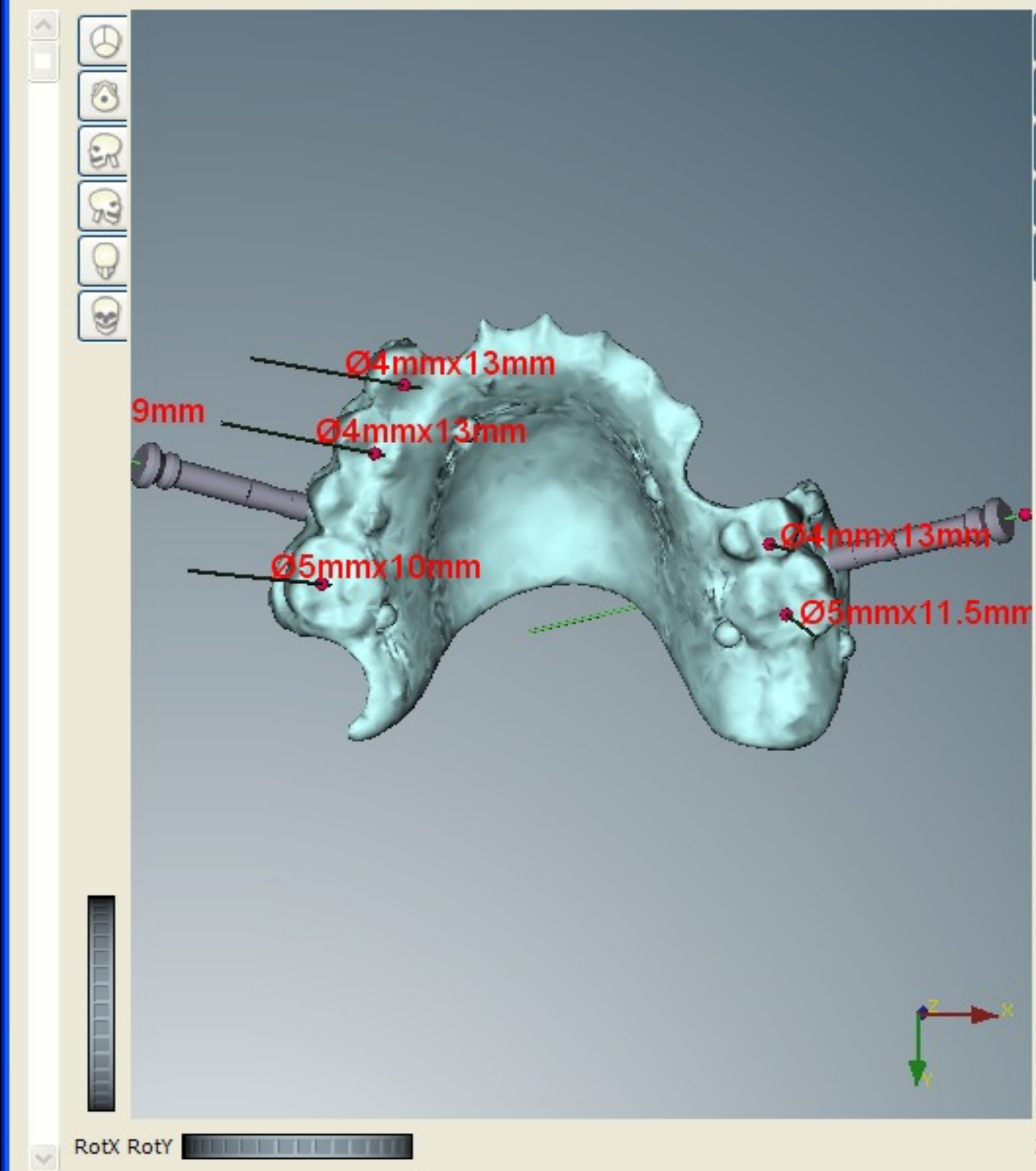
- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RIV.27

Scanner Status:
No scanner connected

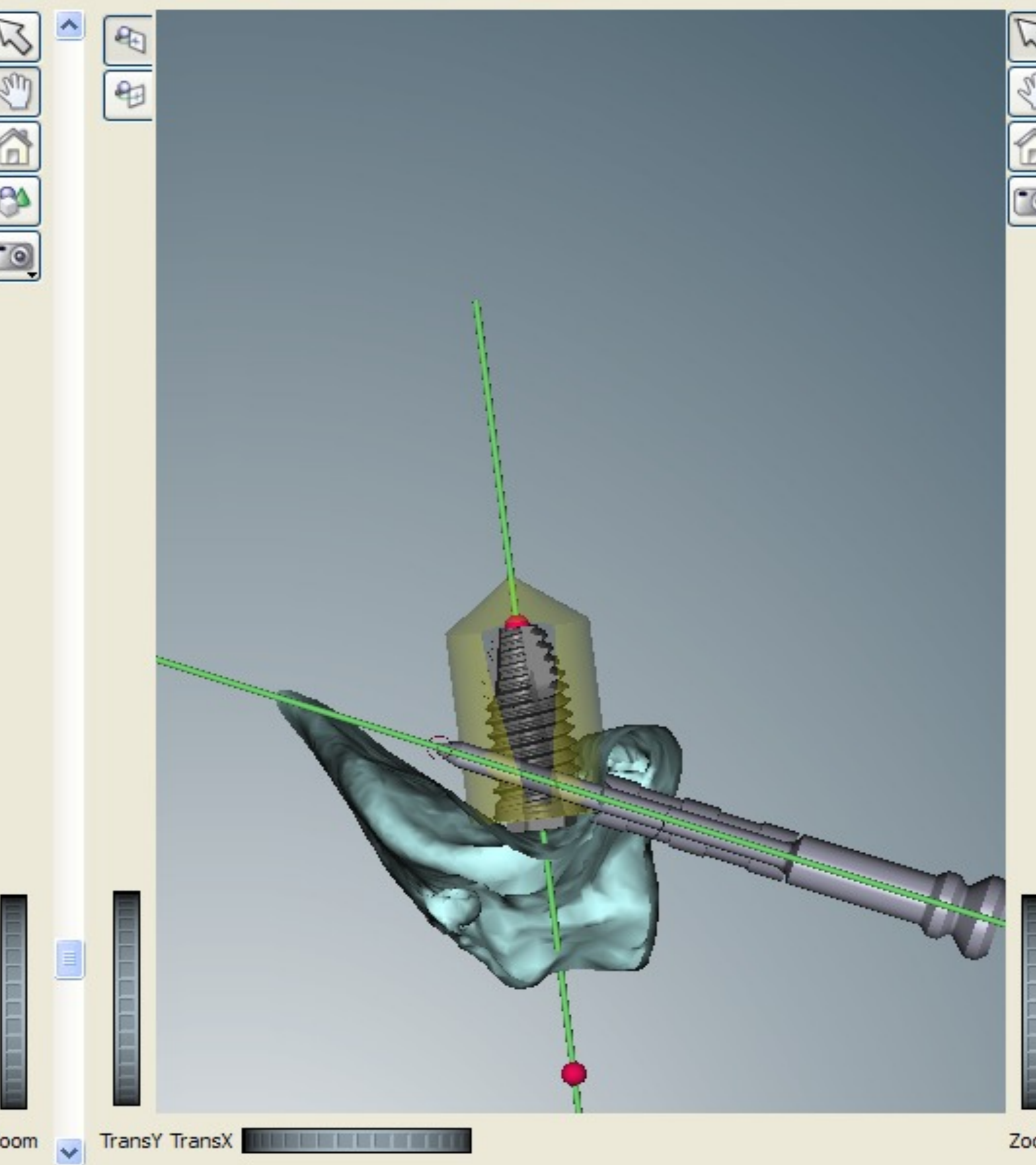
System Status:

Progress:



RotX RotY

Zoom



TransY TransX

Zoom

Exit System

SHOW TUTORIAL



Procera® System

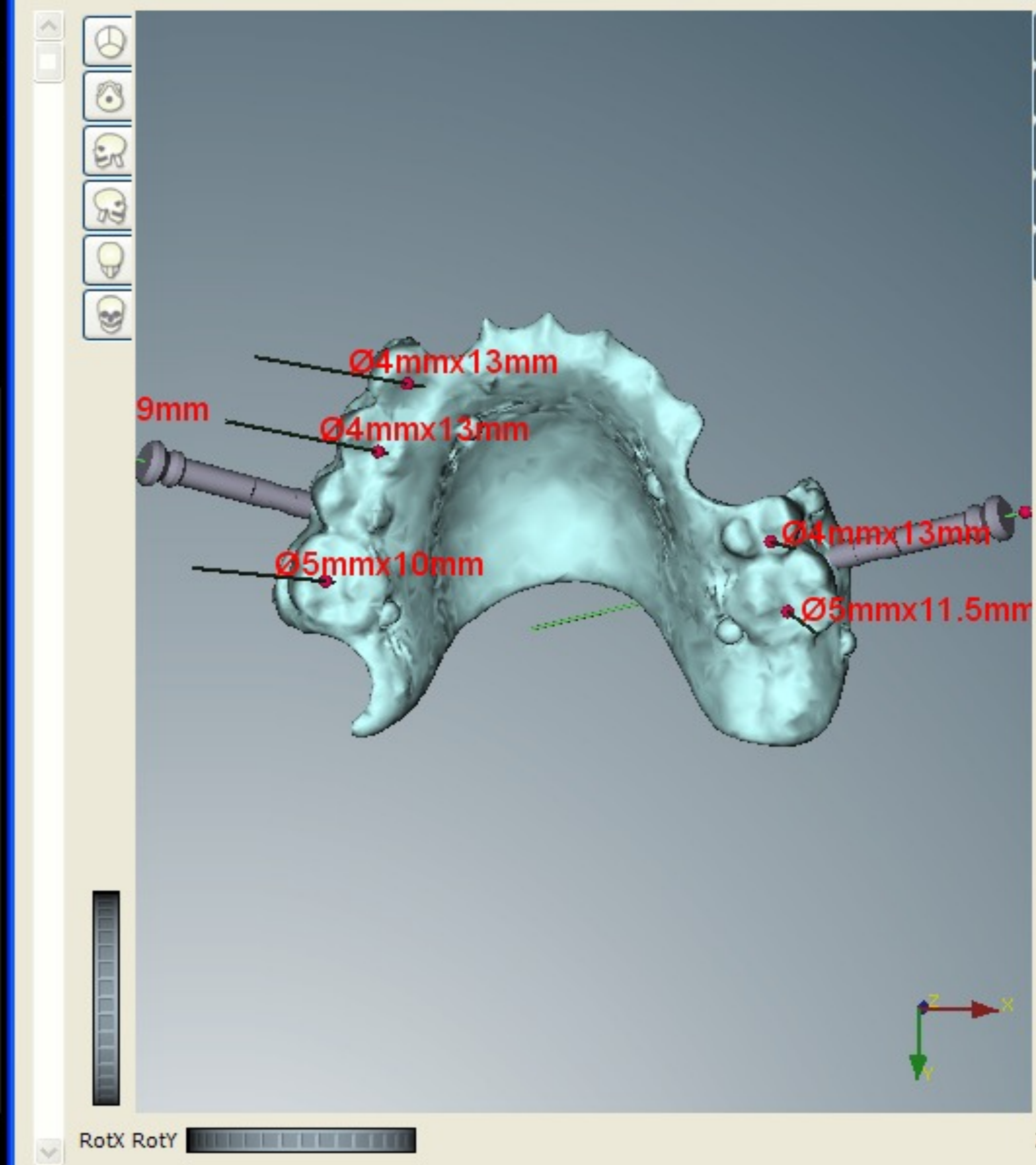
- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RIV.27

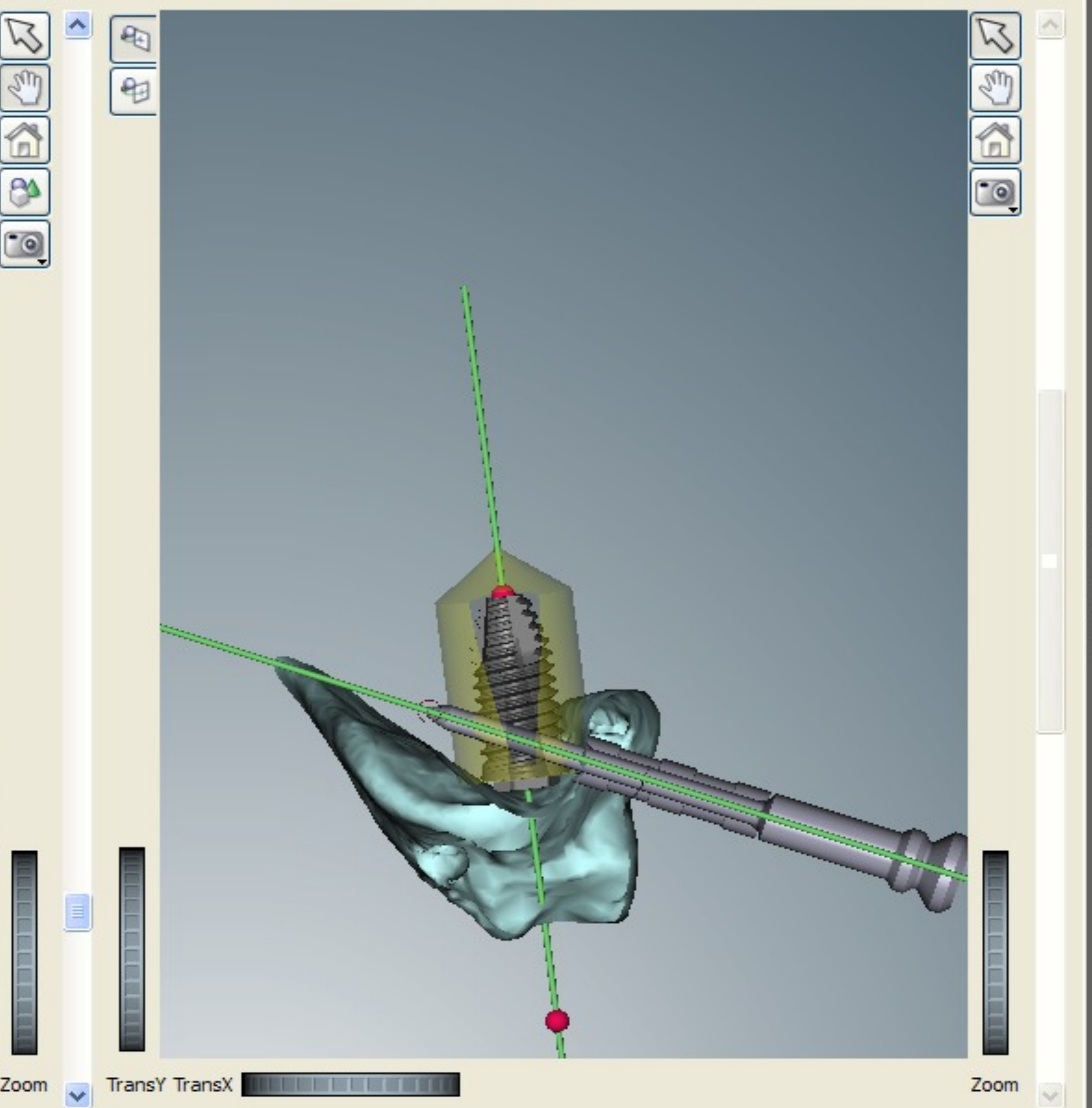
Scanner Status:
No scanner connected

System Status:

Progress:



RotX RotY

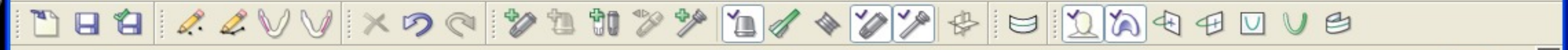


Zoom TransY TransX

Zoom

Exit System

SHOW TUTORIAL



Procera® System

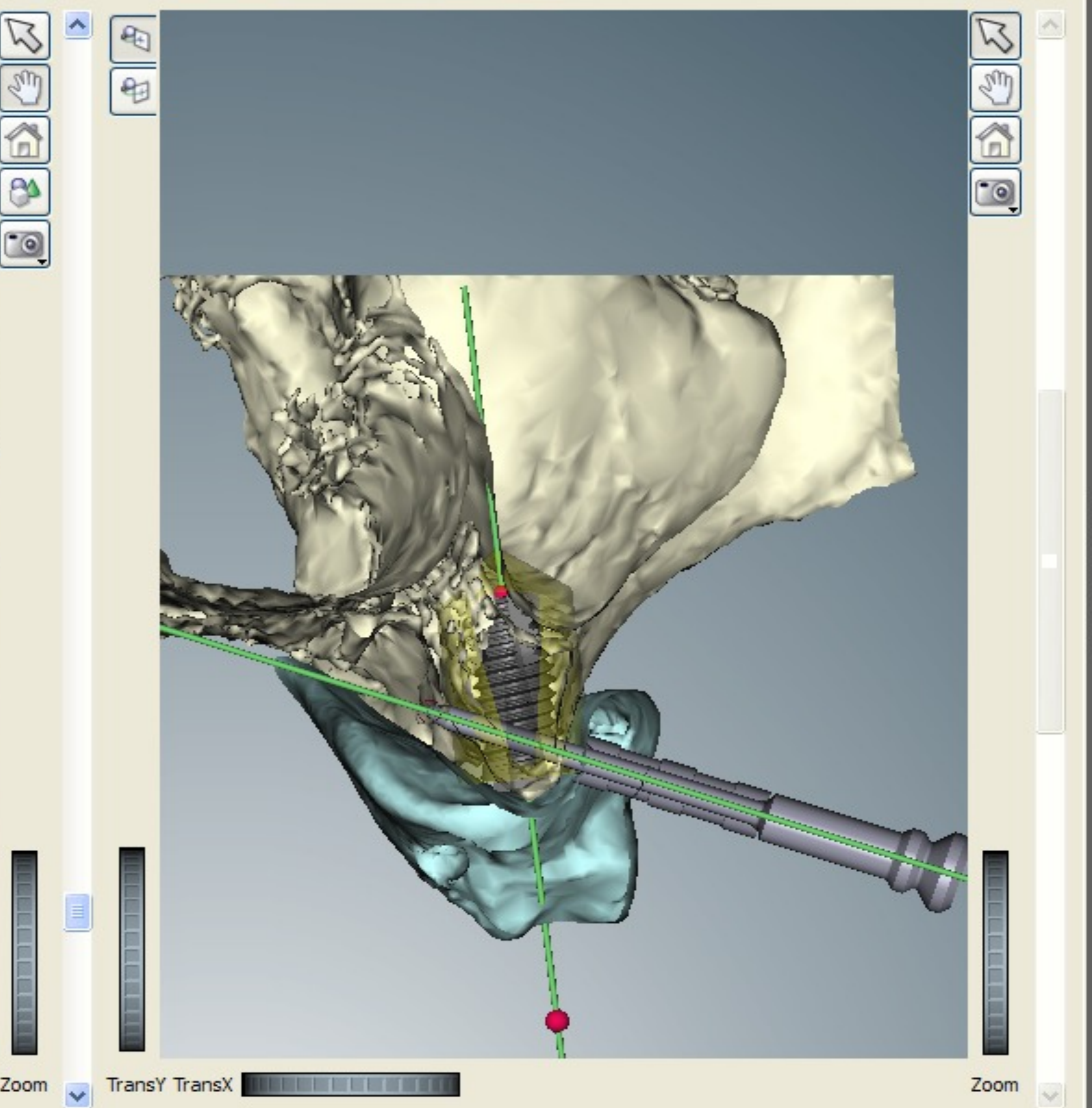
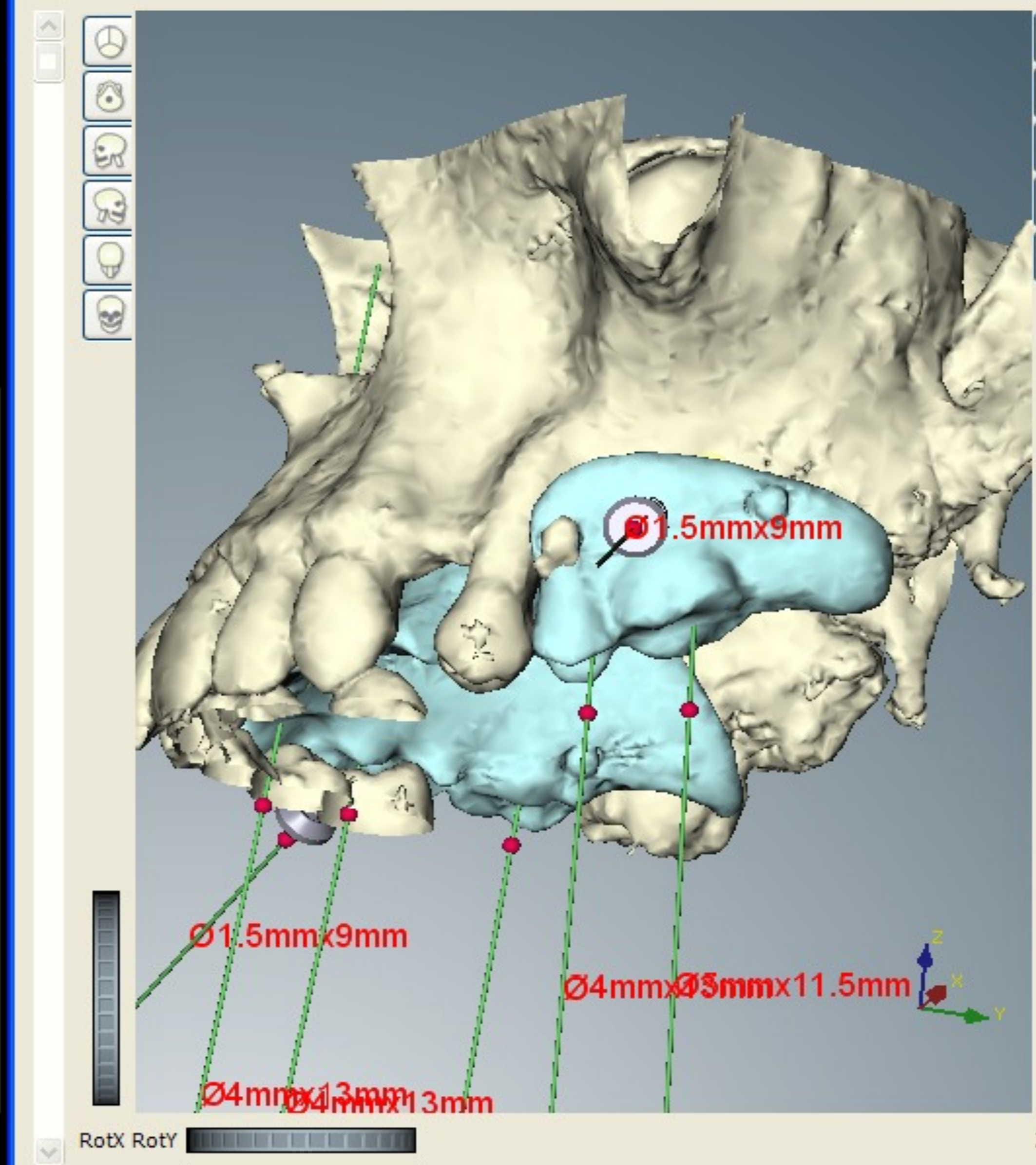
- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RIV.27

Scanner Status:
No scanner connected

System Status:

Progress:



Exit System



Procera® System

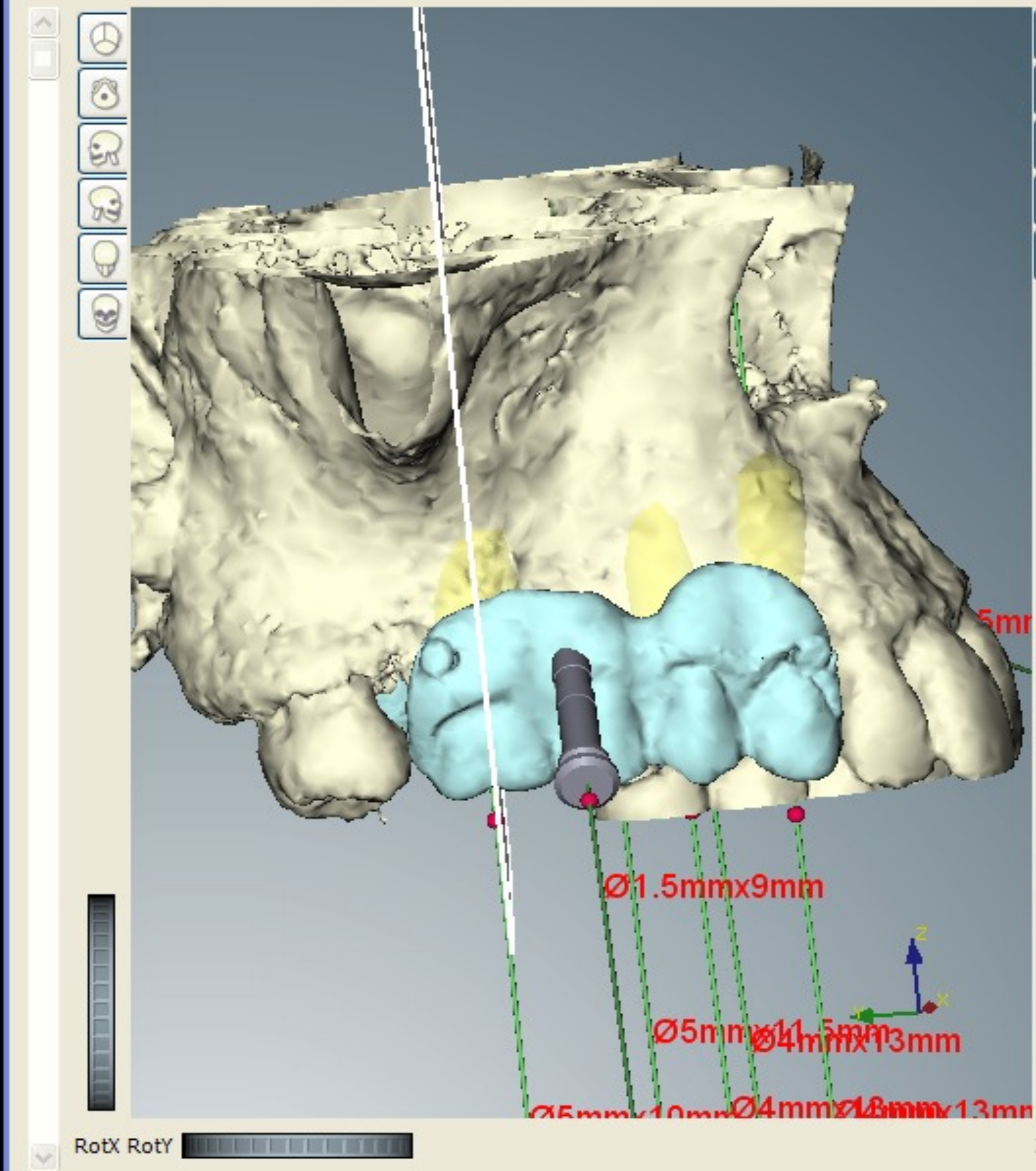
- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RIV.27

Scanner Status:
No scanner connected

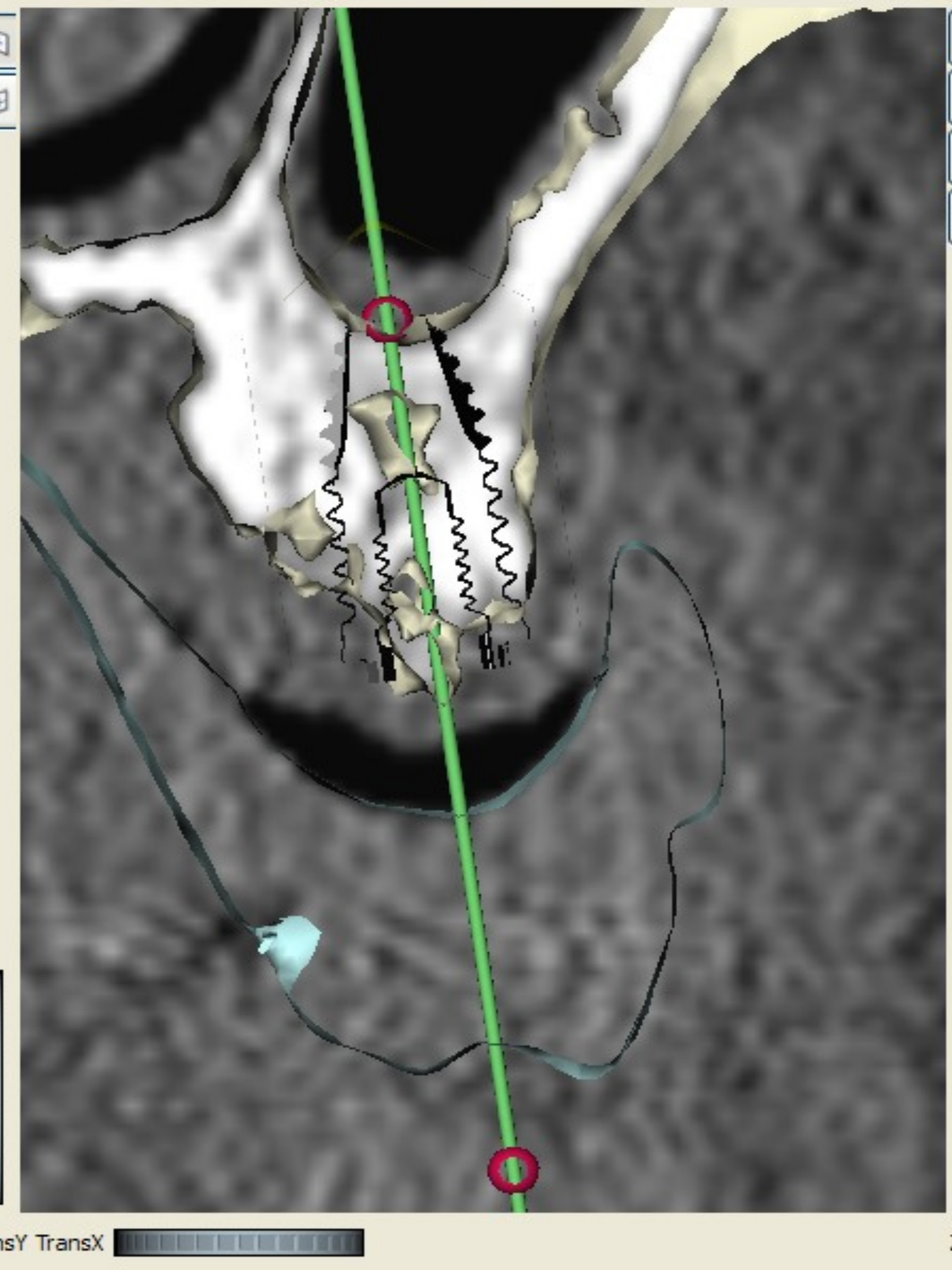
System Status:

Progress:



RotX RotY

Zoom



TransY TransX

Zoom

Exit System

Procera® System

- Online
- Order Manager
- CadDesign
- Settings

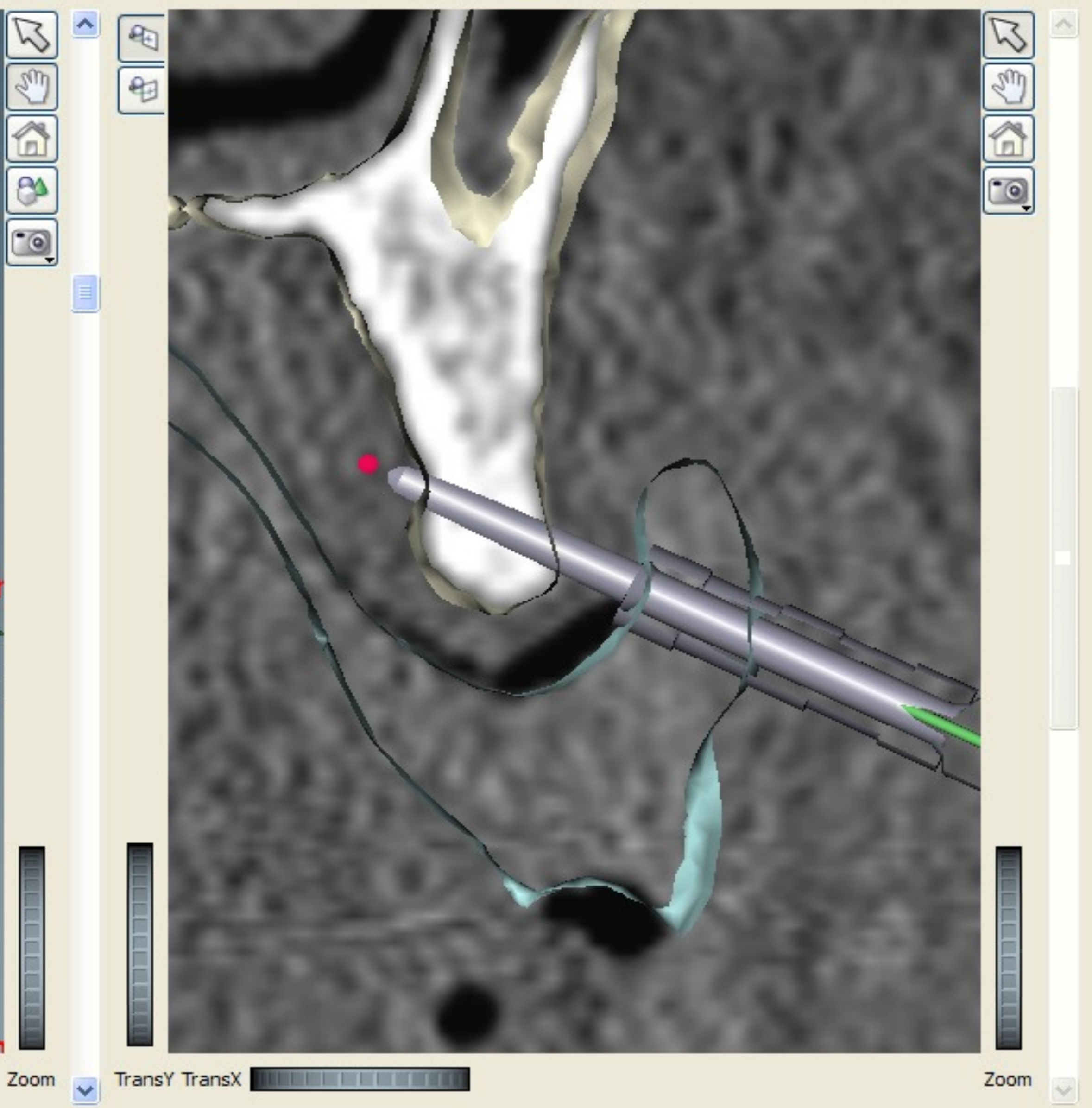
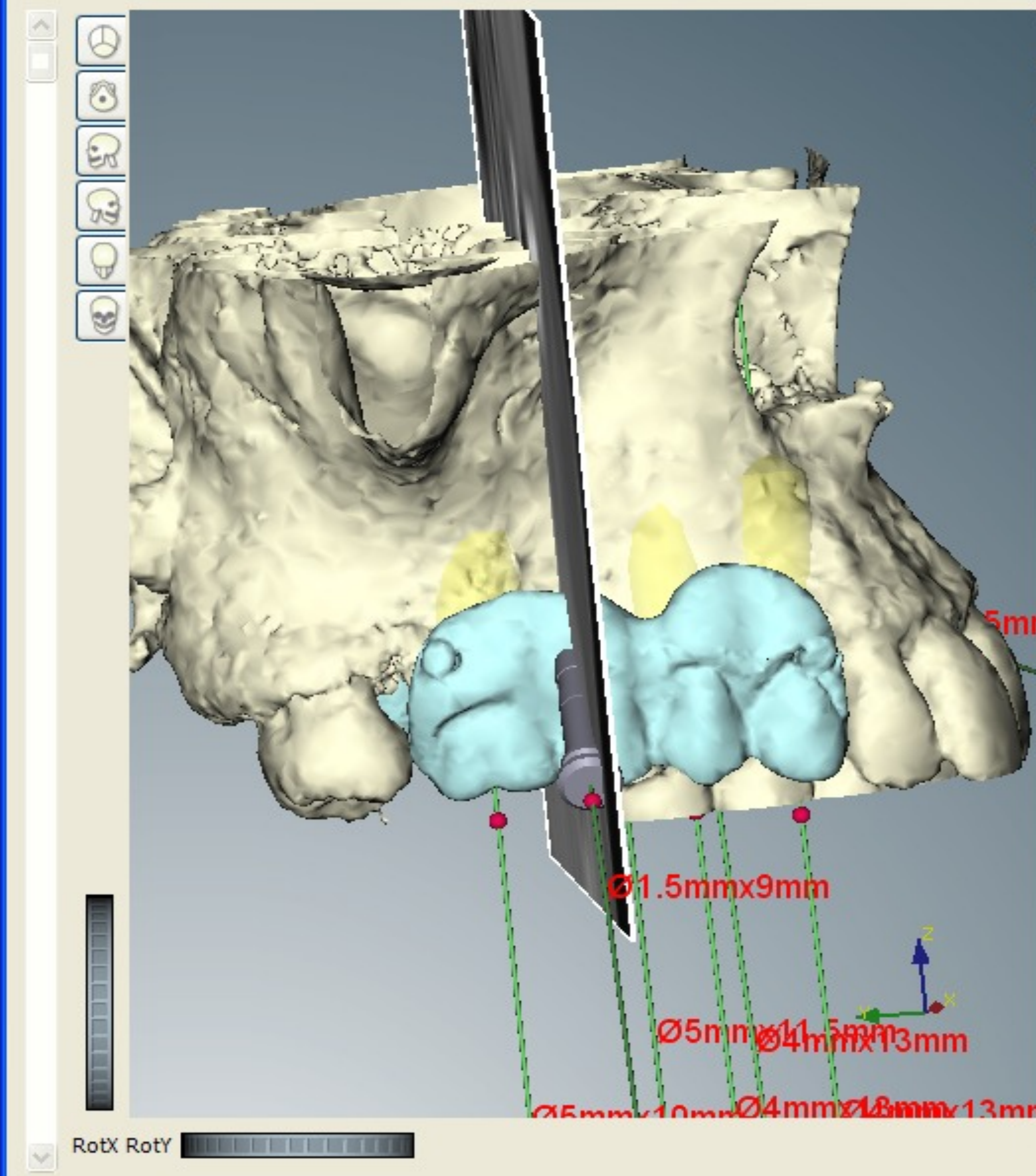
Order Status:
Open Order: RIV.27

Scanner Status:
No scanner connected

System Status:

Progress:

Exit System





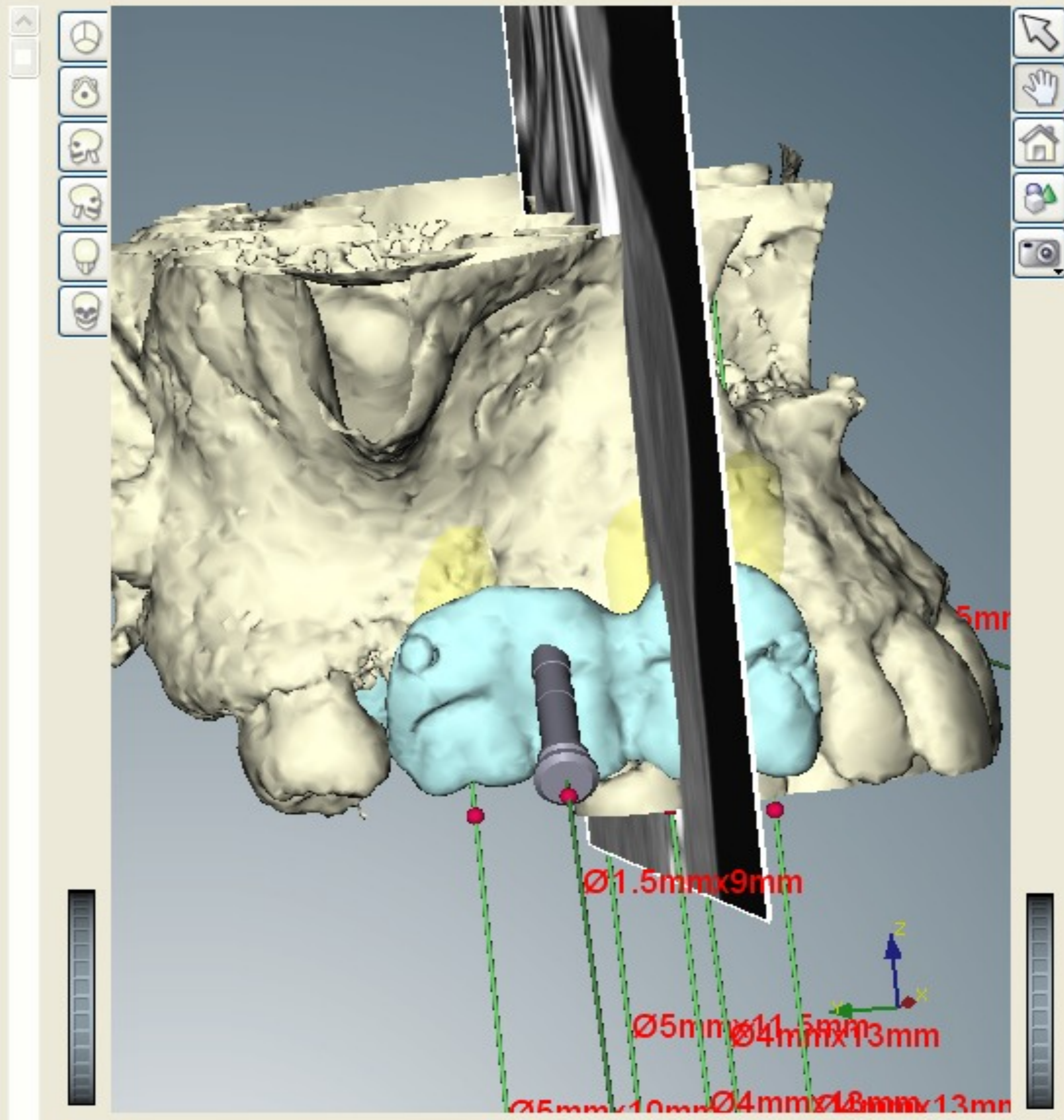
- Procera® System
- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RIV.27

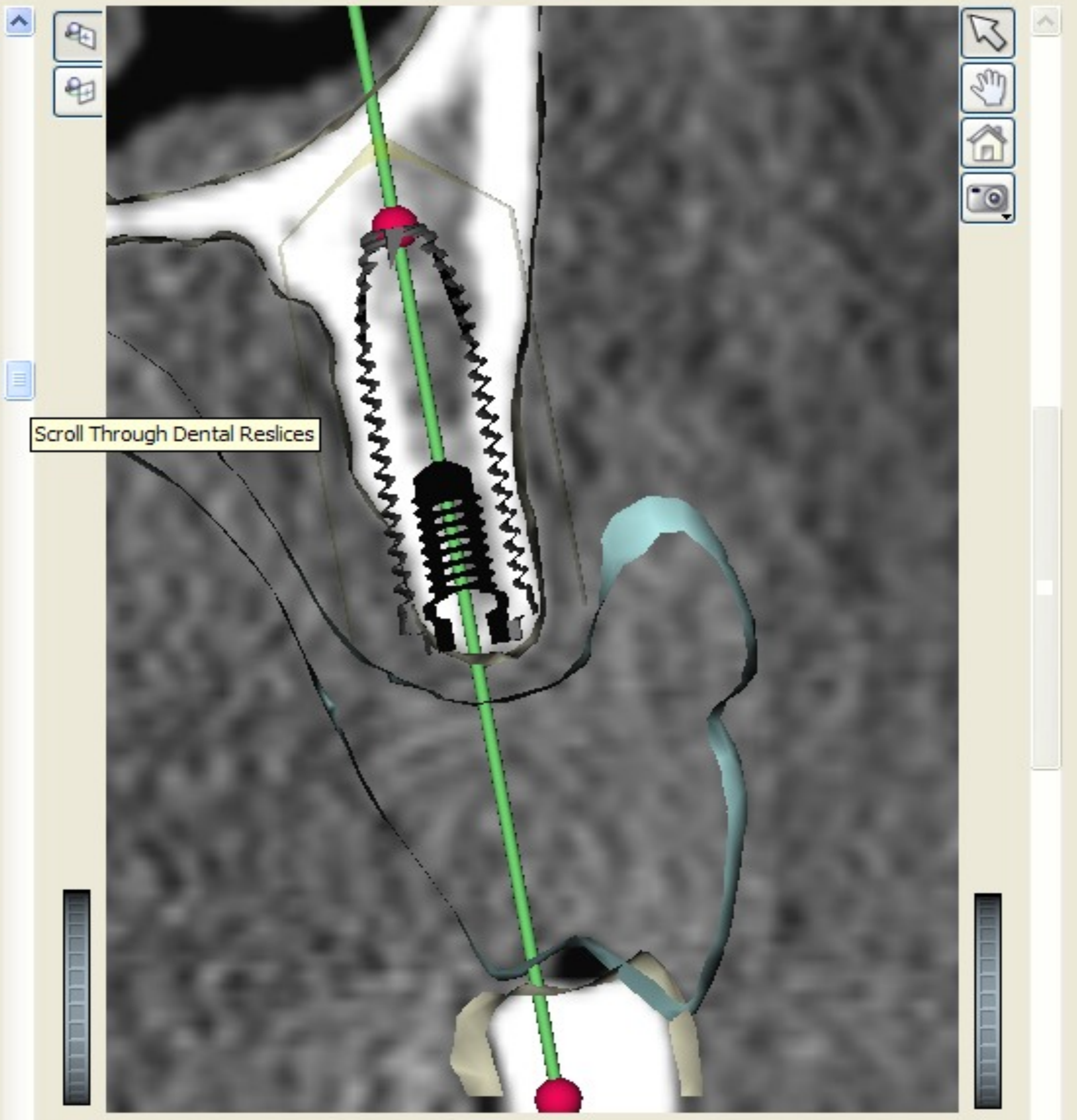
Scanner Status:
No scanner connected

System Status:

Progress:



RotX RotY Zoom



Zoom TransY TransX Zoom

Exit System

SHOW TUTORIAL



Procera® System

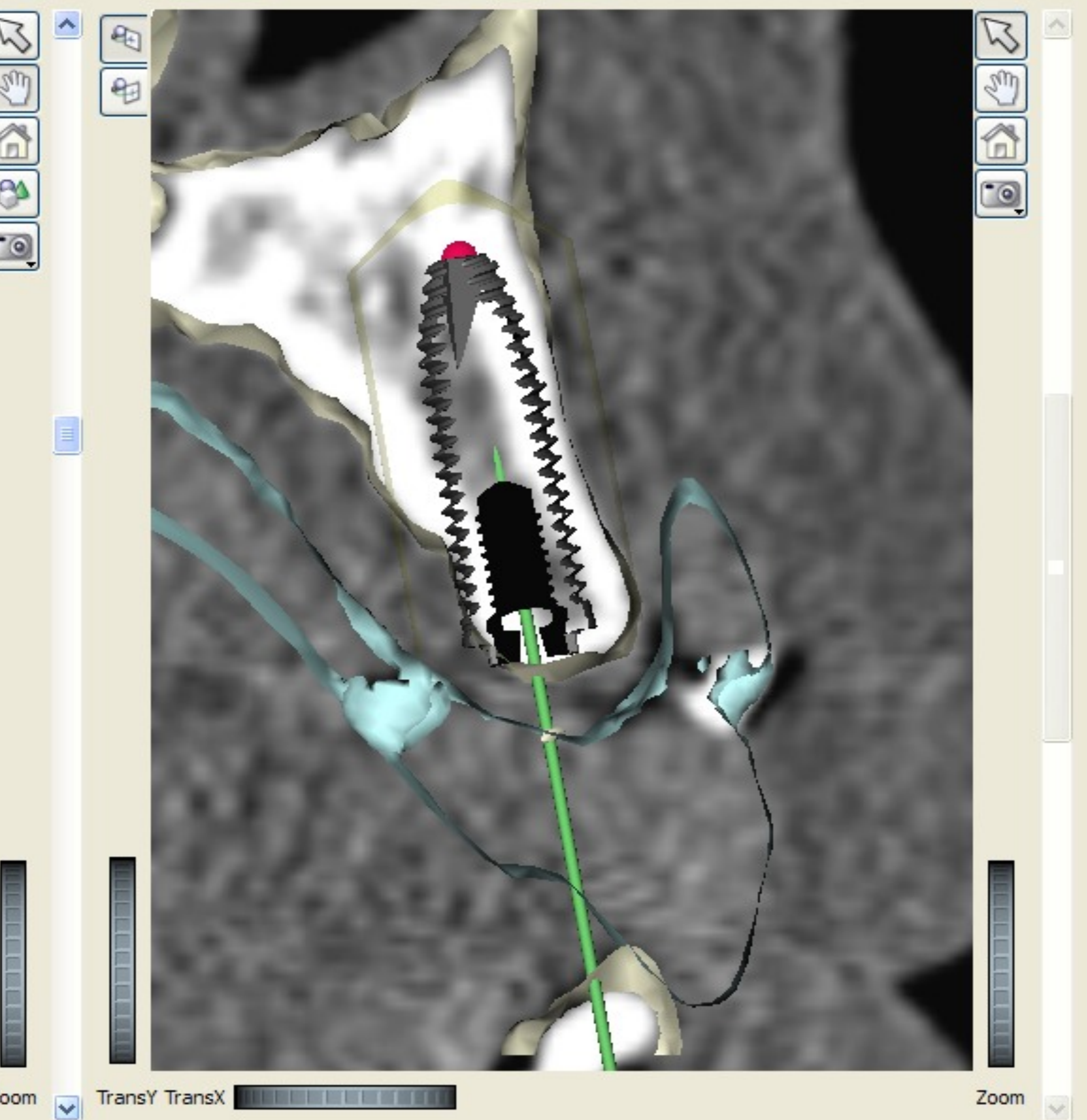
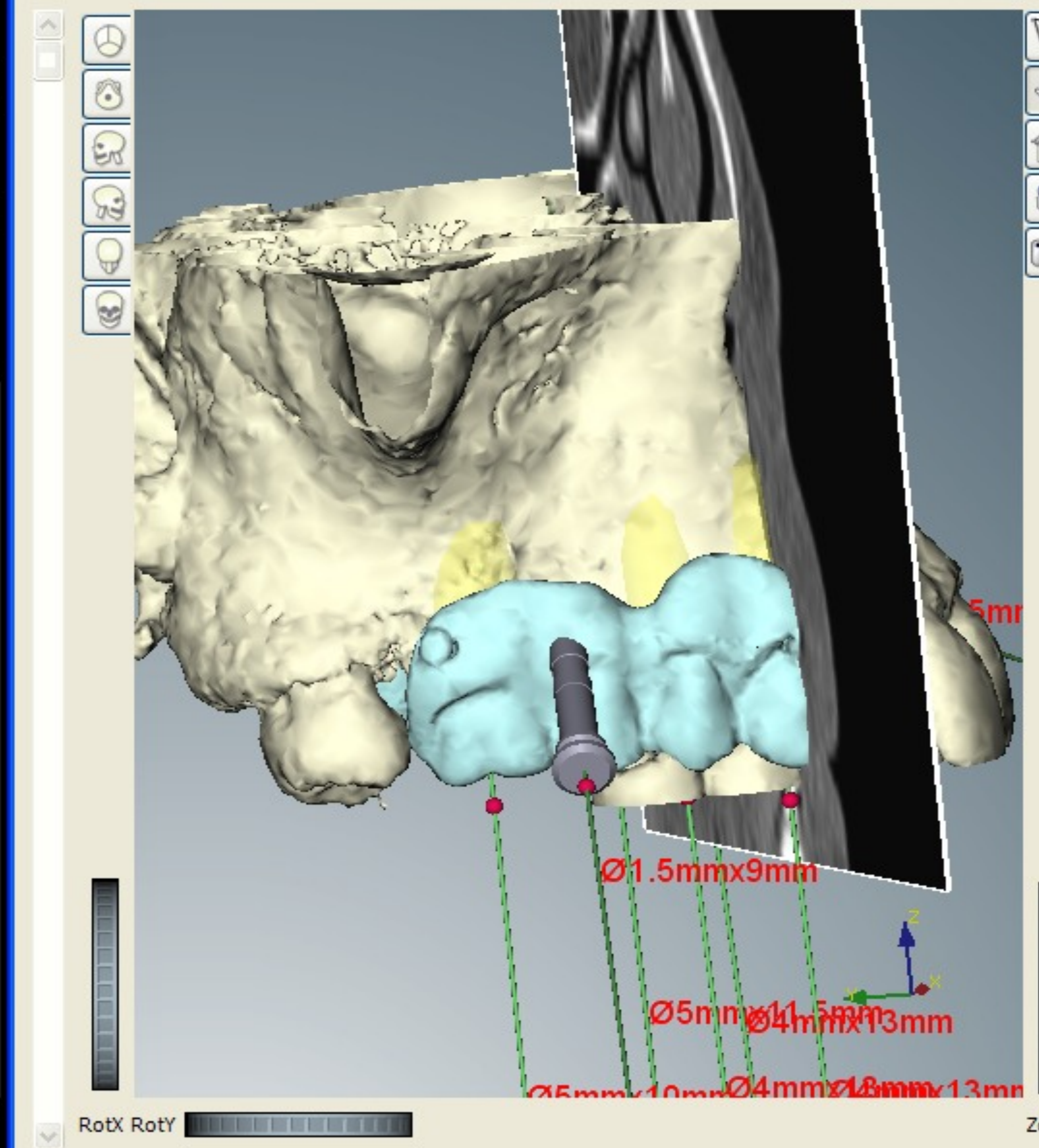
- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RIV.27

Scanner Status:
No scanner connected

System Status:

Progress:



Scroll Through Dental Reslices

Exit System

SHOW TUTORIAL



Procera® System

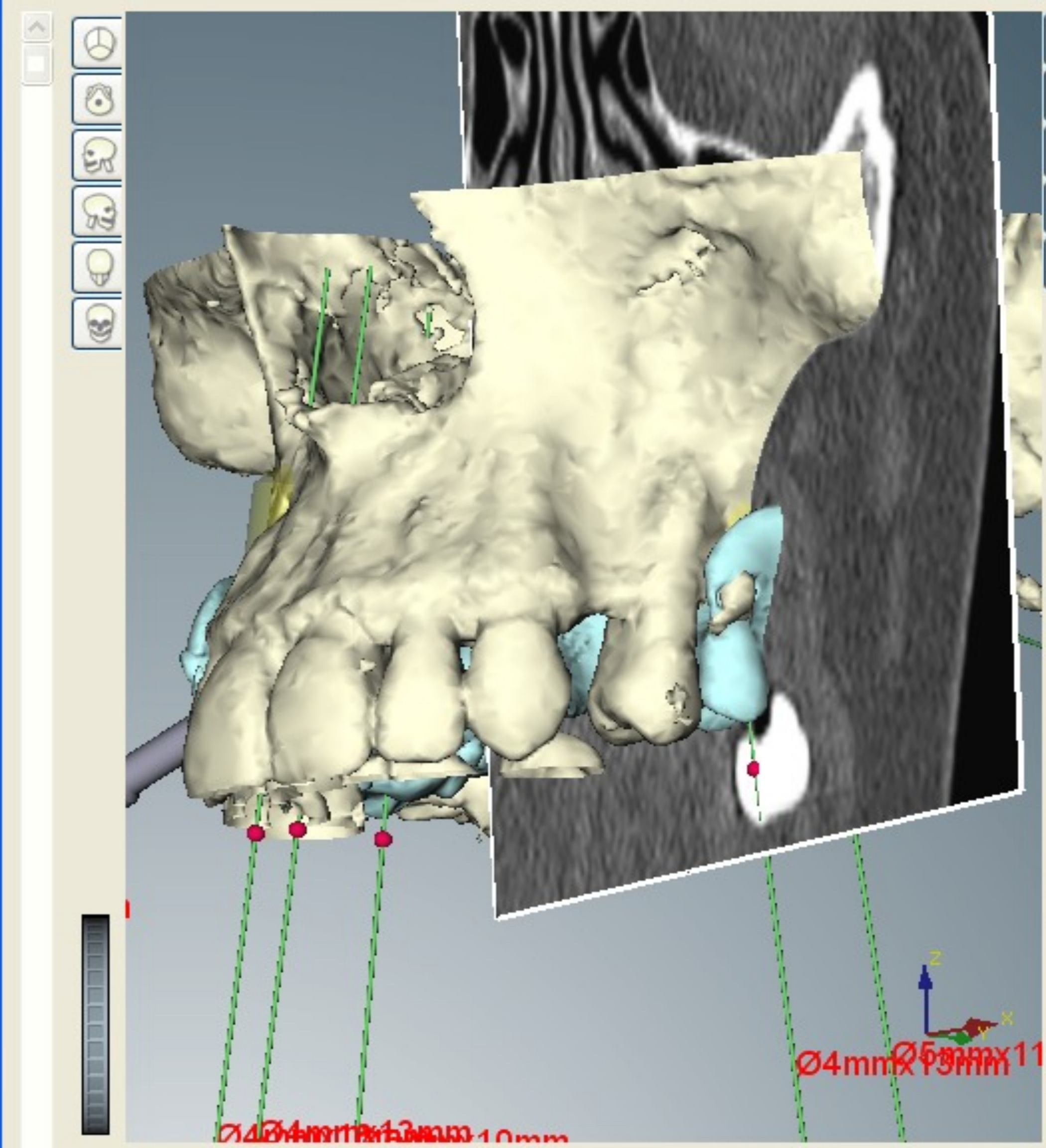
- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RIV.27

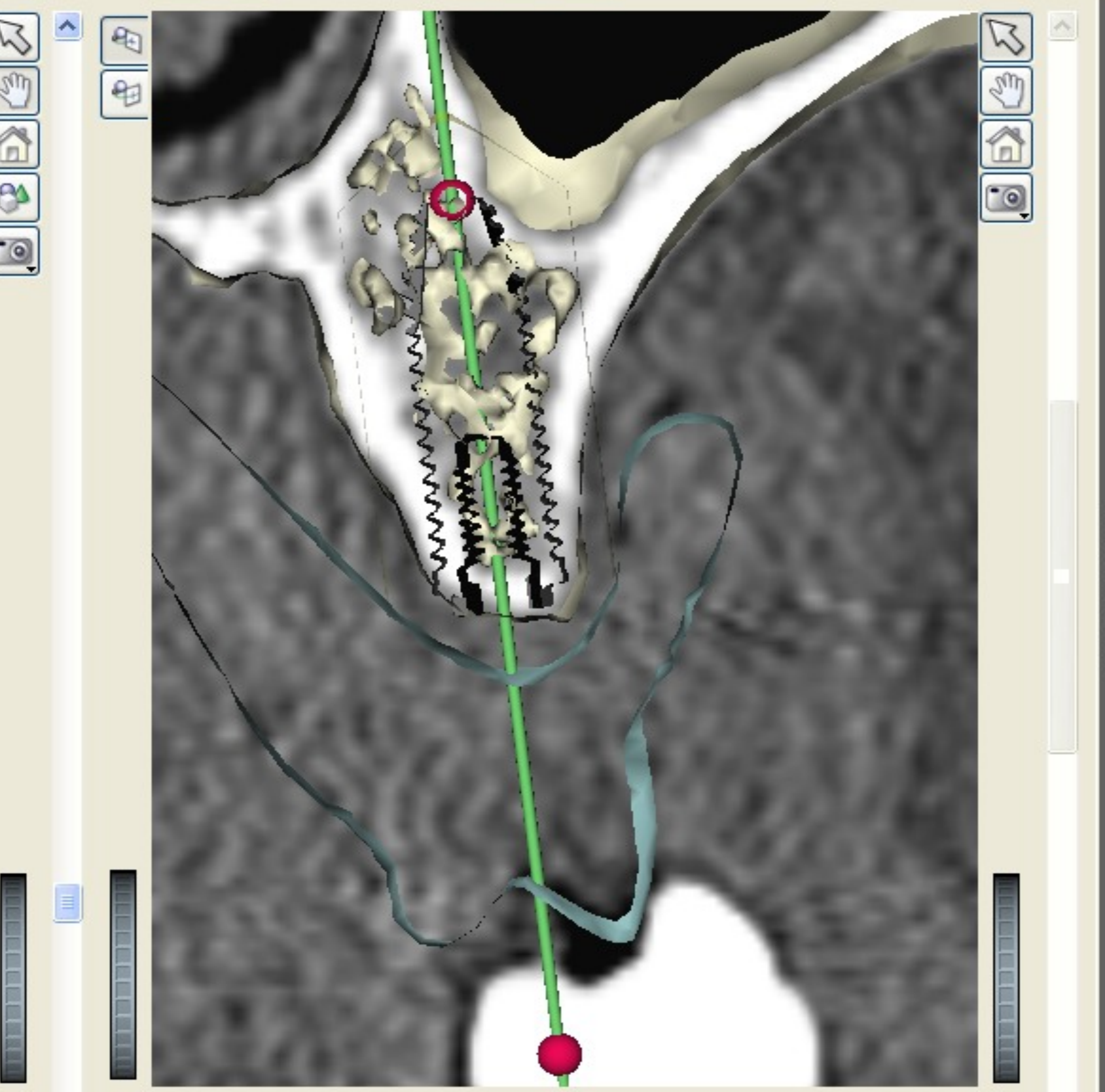
Scanner Status:
No scanner connected

System Status:

Progress:



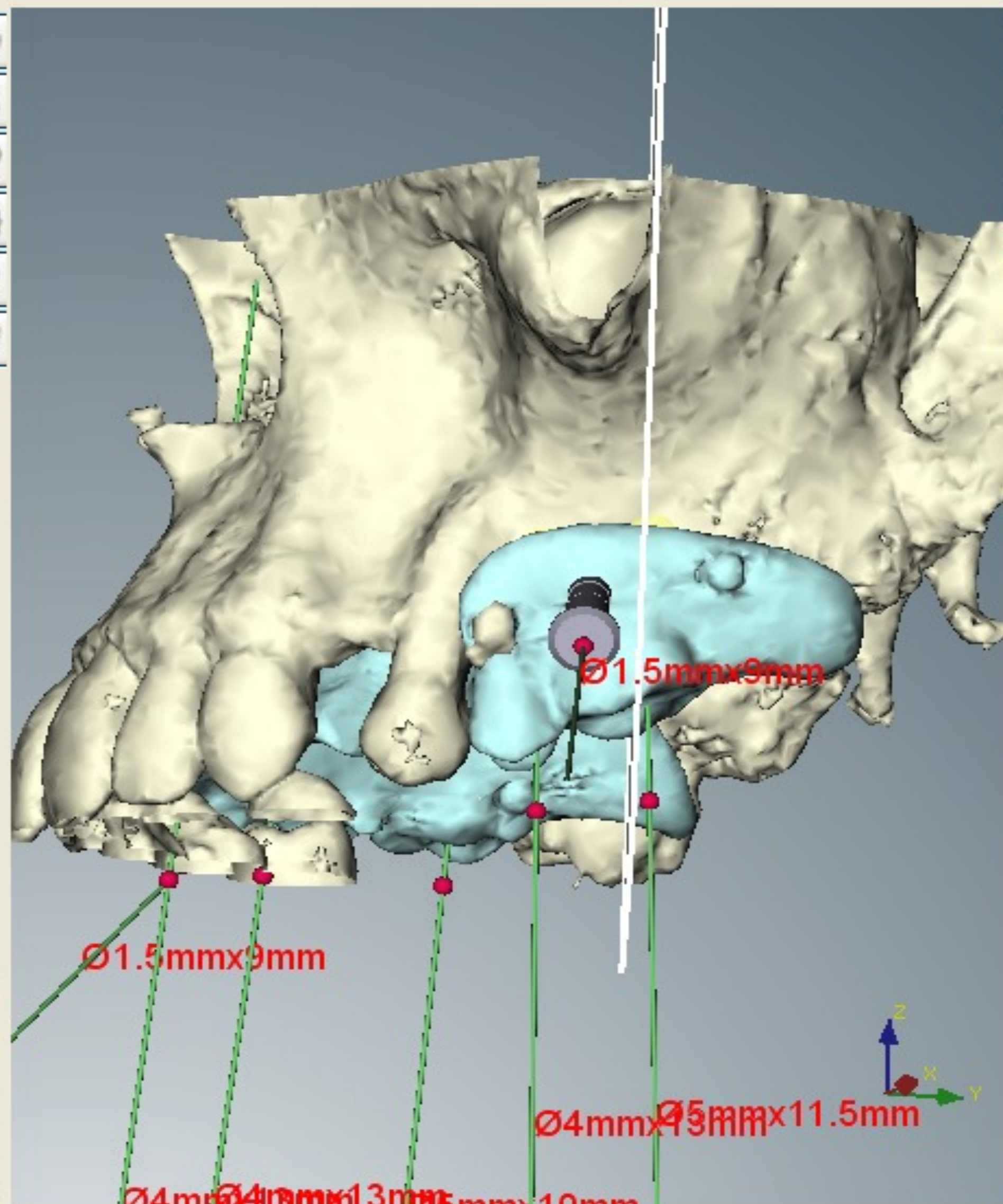
RotX RotY [Slider] Zoom [Slider]



TransY TransX [Slider] Zoom [Slider]

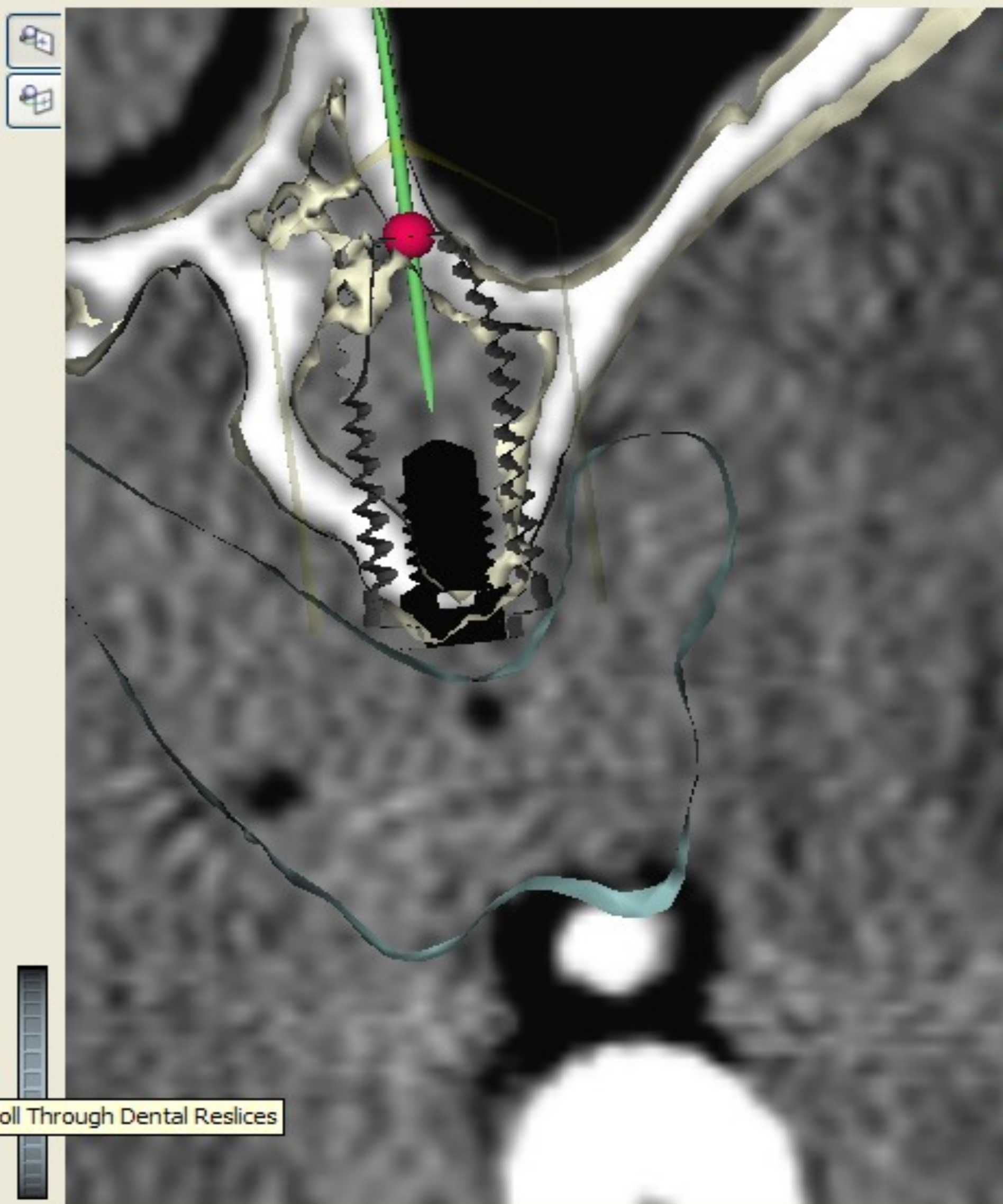
Exit System

SHOW TUTORIAL



RotX RotY

Zoom



TransY TransX

Zoom



Procera® System

- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RIV.27

Scanner Status:
No scanner connected

System Status:

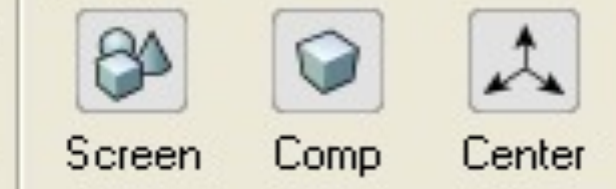
Progress:

Exit System

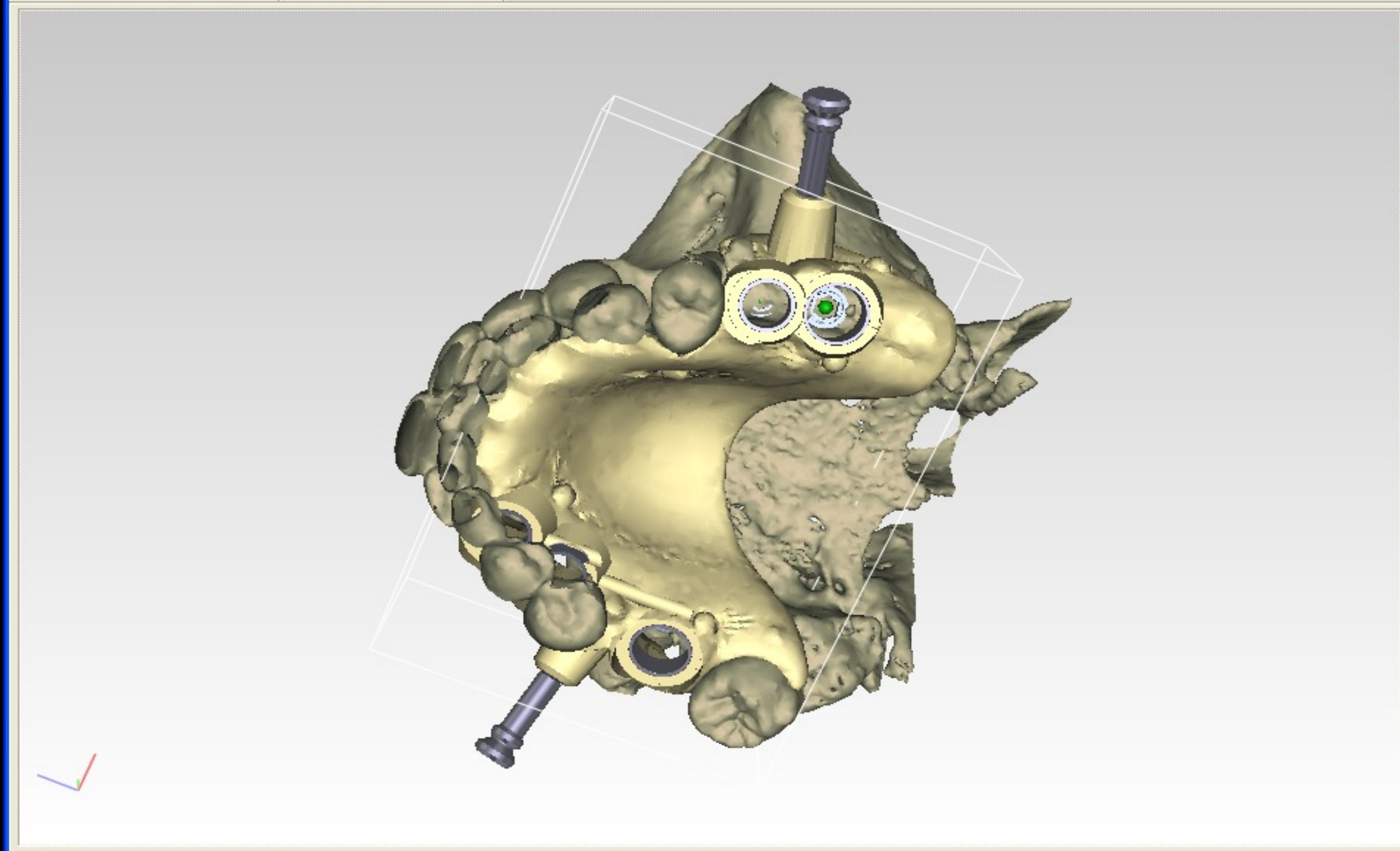
Move Object



Focus



Clinic Premium



Link Editor

- Bone
 - Radiographic Guide
 - Radiographic I
 - PID1
 - Implant WP 5x
 - Cylinder
 - Sleeve 6.0
 - Sleeve Support
 - Sleeve Pu
 - Sleeve
 - GI
 - PID2
 - Implant RP 4x
 - Cylinder
 - Sleeve RF
 - Sleeve Support
 - Sleeve Pu
 - Sleeve
 - GI
 - PID3
 - Implant RP 4x
 - Cylinder
 - Sleeve RF
 - Sleeve Support
 - Sleeve Pu
 - Sleeve
 - GI
 - PID4
 - Implant RP 4x
 - Cylinder
 - Sleeve RF
 - Sleeve Support
 - Sleeve Pu
 - Sleeve
 - GI

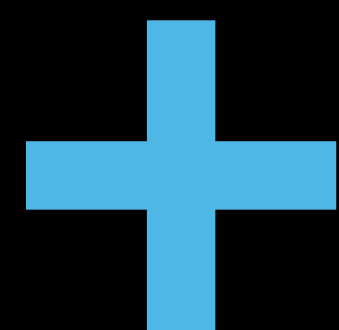
SHOW TUTORIAL



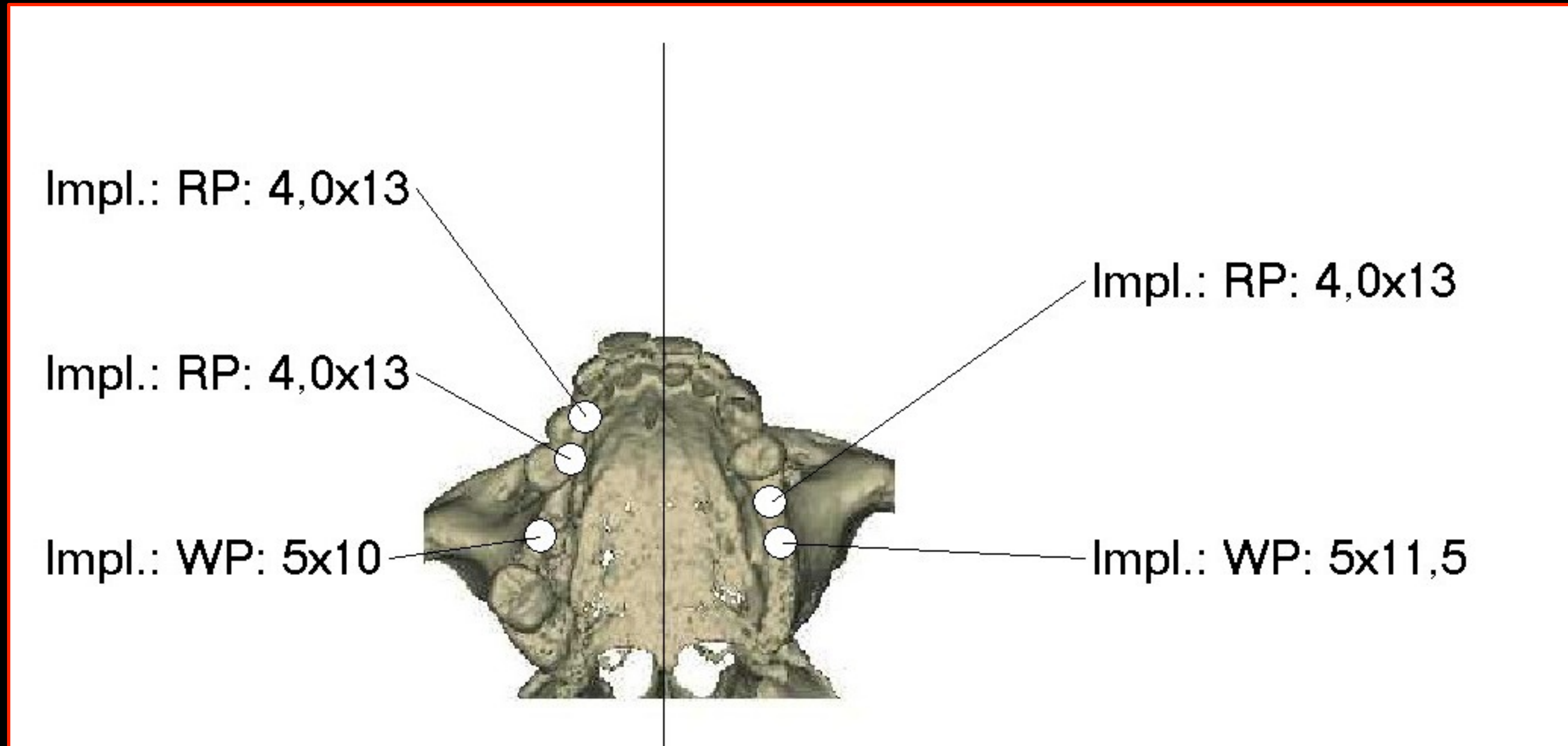


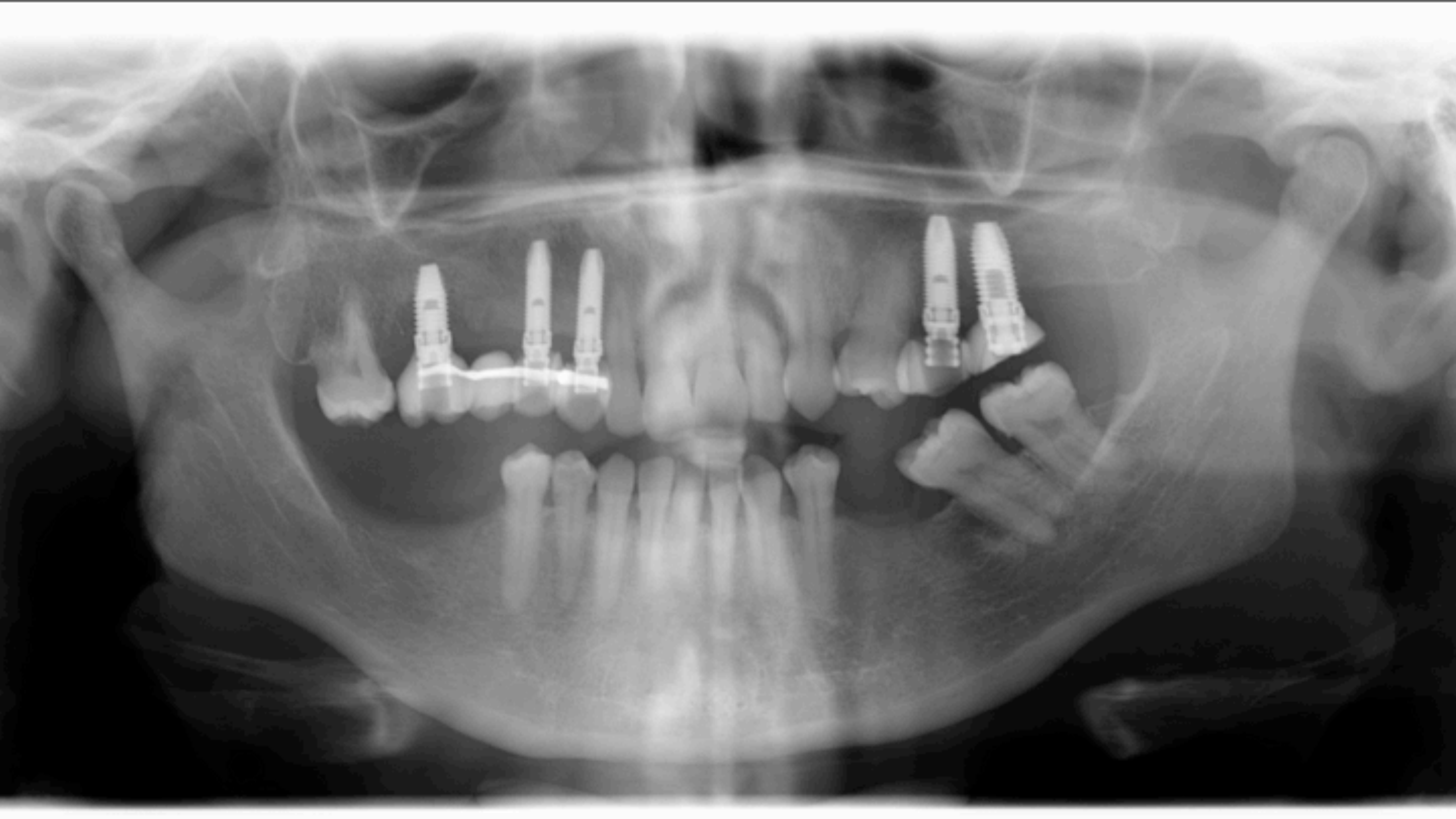


Cas clinique Mme I.



Cas clinique Mme I.







Procera® System

- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RIV.28

Scanner Status:
No scanner connected

System Status:

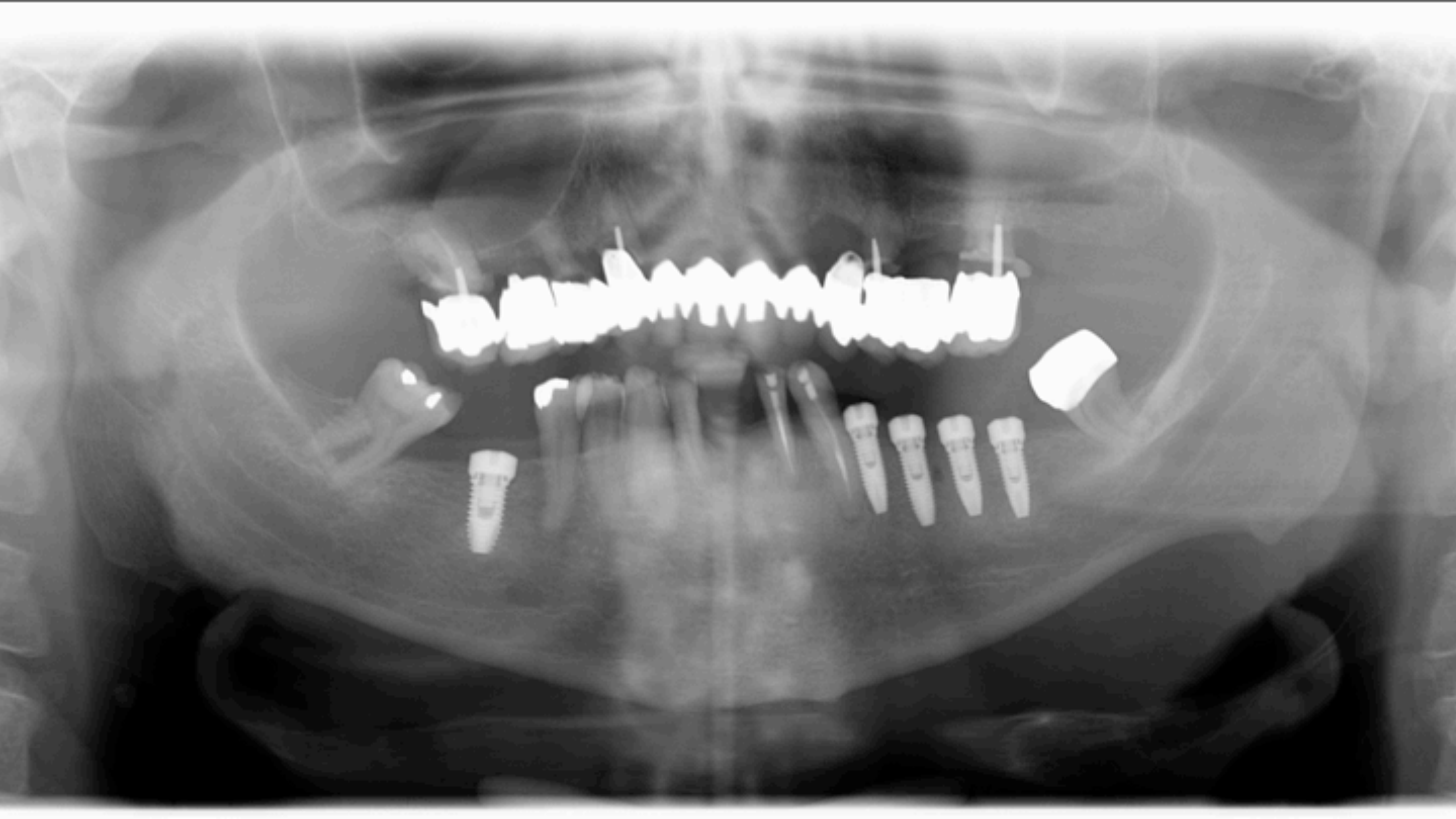
Progress:

Procera® Software Clinical Design

File Edit Annotation Measurement Implant View Help

RotX RotY Zoom TransY TransX Zoom

SHOW TUTORIAL



Treatment Prepare Diagnose Plan Finalize

Bone
 Guide
 Create

Edit Bone
 Edit Guide

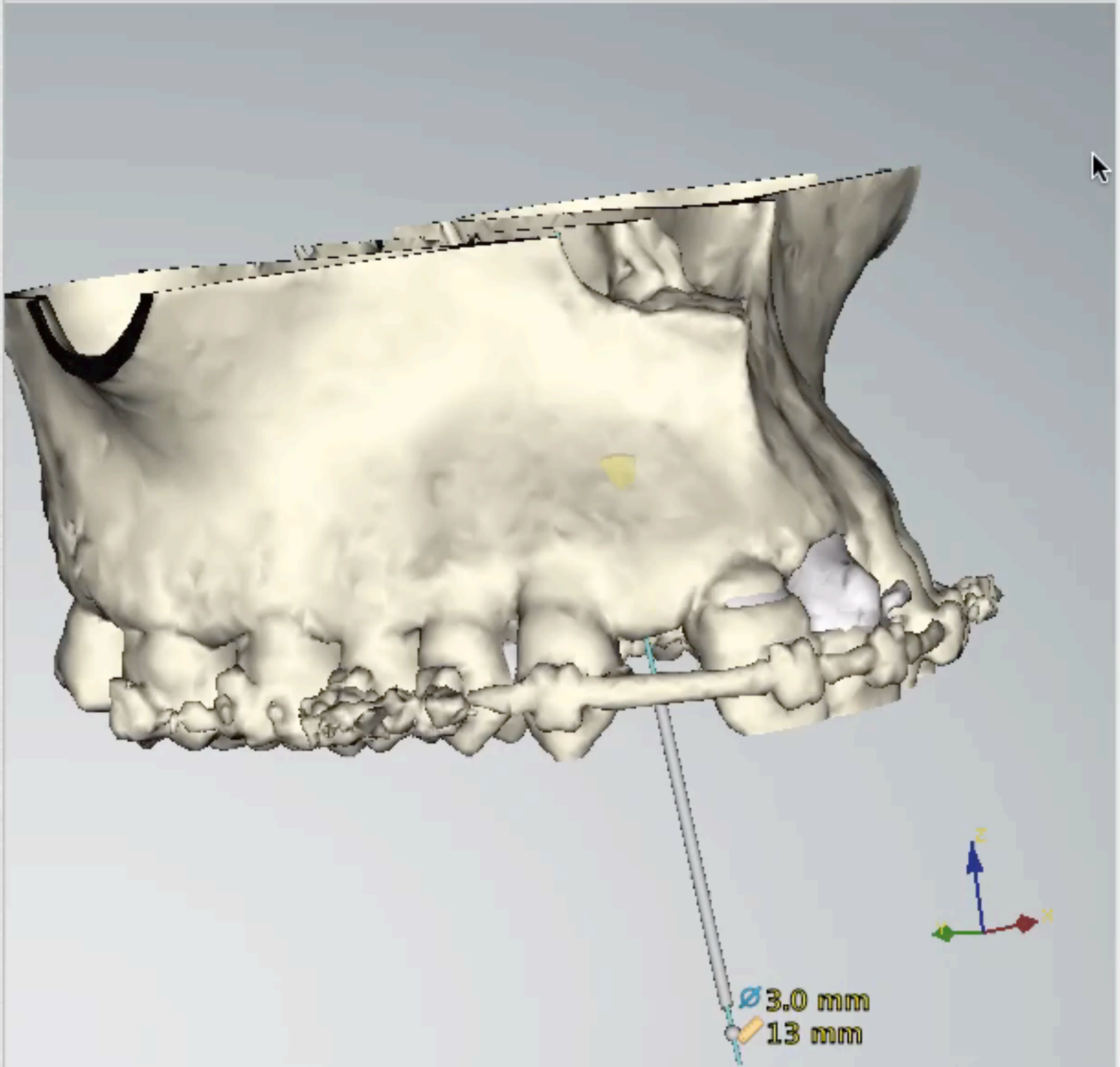
Scanner Orientation
 Reslice Curve
 Ct Data

Level Window
 Erase Artifacts
 Objects

Assistant

Warnings (2)

3D Viewer



Perpendicular



Interaction Mode

Tools

- Save
- Undo
- Redo
- Level / Window
- Snapshot
- Change Workspace
- Set Focus
- Rulers

Crossed Editor

- Attach To Curve
- Attach To Implant
- Attach To Anchor Pin
- Next
- Previous

Visibility Editor

- General Objects
- Bone
 - Teeth (4)
- Planning Objects
- Implants
- Reslice Objects
- Cross-sectional
 - Axial

NobelClinician




View


Rotation

Slice 88

Cas clinique Mme I.




Piliers-expansifs*
Plate-forme
Guided Abutment Brånemark System™




			
	NP	RP	WP
	32903	32905	32907



Pilier expansif ou Multi-Unit?

Branemark, Replace, Active, Straumann, Camlog, Astratech, Ankylos...

										6.0
	NP	RP	WP	NP	RP	WP	NP	RP	WP	
Multi-unit Abutment 1 mm	29176	29179	29184	—	—	—	29196	29199	29204	—
Multi-unit Abutment 1.5 mm	—	—	—	34186	34190	—	—	—	—	—
Multi-unit Abutment 2 mm	29177	29180	29185	—	—	—	29197	29200	29205	—
Multi-unit Abutment 2.5 mm	—	—	—	34187	34191	—	—	—	—	—
Multi-unit Abutment 3 mm	29178	29181	29186	—	—	—	29198	29201	29206	—
Multi-unit Abutment 3.5 mm	—	—	—	34195	34196	—	—	—	—	—
Multi-unit Abutment 4 mm	—	29182	—	—	—	—	29202	—	—	—
Multi-unit Abutment 4.5 mm	—	—	—	—	34197	—	—	—	—	—

										6.0
	NP	RP	WP	NP	RP	WP	NP	RP	WP	
17° Multi-unit Abutment 2 mm	29187	29189	—	—	—	—	29235	29237	—	—
17° Multi-unit Abutment 2.5 mm	—	—	—	34188	34192	—	—	—	—	—
17° Multi-unit Abutment 3 mm	29188	29190	—	—	—	—	29236	29238	—	—
17° Multi-unit Abutment 3.5 mm	—	—	—	34189	34193	—	—	—	—	—
17° Multi-unit Abutment 4 mm	—	29191	—	—	—	—	29239	—	—	—
30° Multi-unit Abutment 3.5 mm	—	—	—	34367	34369	—	—	—	—	—
30° Multi-unit Abutment 4 mm	—	29192	—	—	—	—	29240	—	—	—
30° Multi-unit Abutment Non-Engaging 4 mm (for All-on-4 with guided surgery)	—	33411	—	—	—	—	33409	—	—	—
30° Multi-unit Abutment 4.5 mm	—	—	—	34368	34370	—	—	—	—	—

Implants Multi-unit Abutment for Straumann®

Multi-unit for Straumann® Octagon 3.5	36221*
Multi-unit for Straumann® Octagon 4.8	36071*
Multi-unit for Straumann® Octagon 6.5	36072*
Multi-unit for Straumann® BoneLevel NC 1.5mm	36073*
Multi-unit for Straumann® BoneLevel NC 2.5mm	36074*
Multi-unit for Straumann® BoneLevel NC 3.5mm	36075*
Multi-unit for Straumann® BoneLevel RC 1.5mm	36035*
Multi-unit for Straumann® BoneLevel RC 2.5mm	36037*
Multi-unit for Straumann® BoneLevel RC 3.5mm	36038*
Multi-unit for Straumann® BoneLevel RC 4.5mm	36039*
17° Multi-unit for Straumann® BoneLevel NC 2.5mm	36040*
17° Multi-unit for Straumann® BoneLevel NC 3.5mm	36041*
17° Multi-unit for Straumann® BoneLevel RC 2.5mm	36042*
17° Multi-unit for Straumann® BoneLevel RC 3.5mm	36043*
10° Multi-unit for Straumann® BoneLevel NC 3.5mm	36044*
10° Multi-unit for Straumann® BoneLevel NC 4.5mm	36045*
10° Multi-unit for Straumann® BoneLevel RC 3.5mm	36046*
10° Multi-unit for Straumann® BoneLevel RC 4.5mm	36047*

Implants Multi-unit Abutment for Camlog®

Multi-unit for Camlog® 3.3	33556
Multi-unit for Camlog® 3.8	33557
Multi-unit for Camlog® 4.3	33558
Multi-unit for Camlog® 5.0/6.0	33559

Implants Multi-unit Abutment for Ankylos®

Multi-unit for Ankylos®	33572
-------------------------	-------

*ils de pilier inclus
 510(K) soumis et examinés par la FDA. Lancement prévu au 2014.*



Implants Multi-unit Abutment for AstraTech®

Multi-unit for AstraTech® Yellow 1.5mm	36048*
Multi-unit for AstraTech® Yellow 2.5mm	36049*
Multi-unit for AstraTech® Yellow 3.5mm	36050*
Multi-unit for AstraTech® Aqua 1.5mm	36051*
Multi-unit for AstraTech® Aqua 2.5mm	36052*
Multi-unit for AstraTech® Aqua 3.5mm	36053*
Multi-unit for AstraTech® Aqua 4.5mm	36054*
Multi-unit for AstraTech® Lilac 1.5mm	36055*
Multi-unit for AstraTech® Lilac 2.5mm	36056*
Multi-unit for AstraTech® Lilac 3.5mm	36057*
Multi-unit for AstraTech® Lilac 4.5mm	36058*
7° Multi-unit for AstraTech® Yellow 2.5mm	36059*
7° Multi-unit for AstraTech® Yellow 3.5mm	36060*
7° Multi-unit for AstraTech® Aqua 2.5mm	36061*
7° Multi-unit for AstraTech® Aqua 3.5mm	36062*
7° Multi-unit for AstraTech® Lilac 2.5mm	36063*
7° Multi-unit for AstraTech® Lilac 3.5mm	36064*
0° Multi-unit for AstraTech® Yellow 3.5mm	36065*
0° Multi-unit for AstraTech® Yellow 4.5mm	36066*
0° Multi-unit for AstraTech® Aqua 3.5mm	36067*
0° Multi-unit for AstraTech® Aqua 4.5mm	36068*
0° Multi-unit for AstraTech® Lilac 3.5mm	36069*
0° Multi-unit for AstraTech® Lilac 4.5mm	36070*

510(K) soumis et examinés par la FDA. Lancement prévu au 2014.

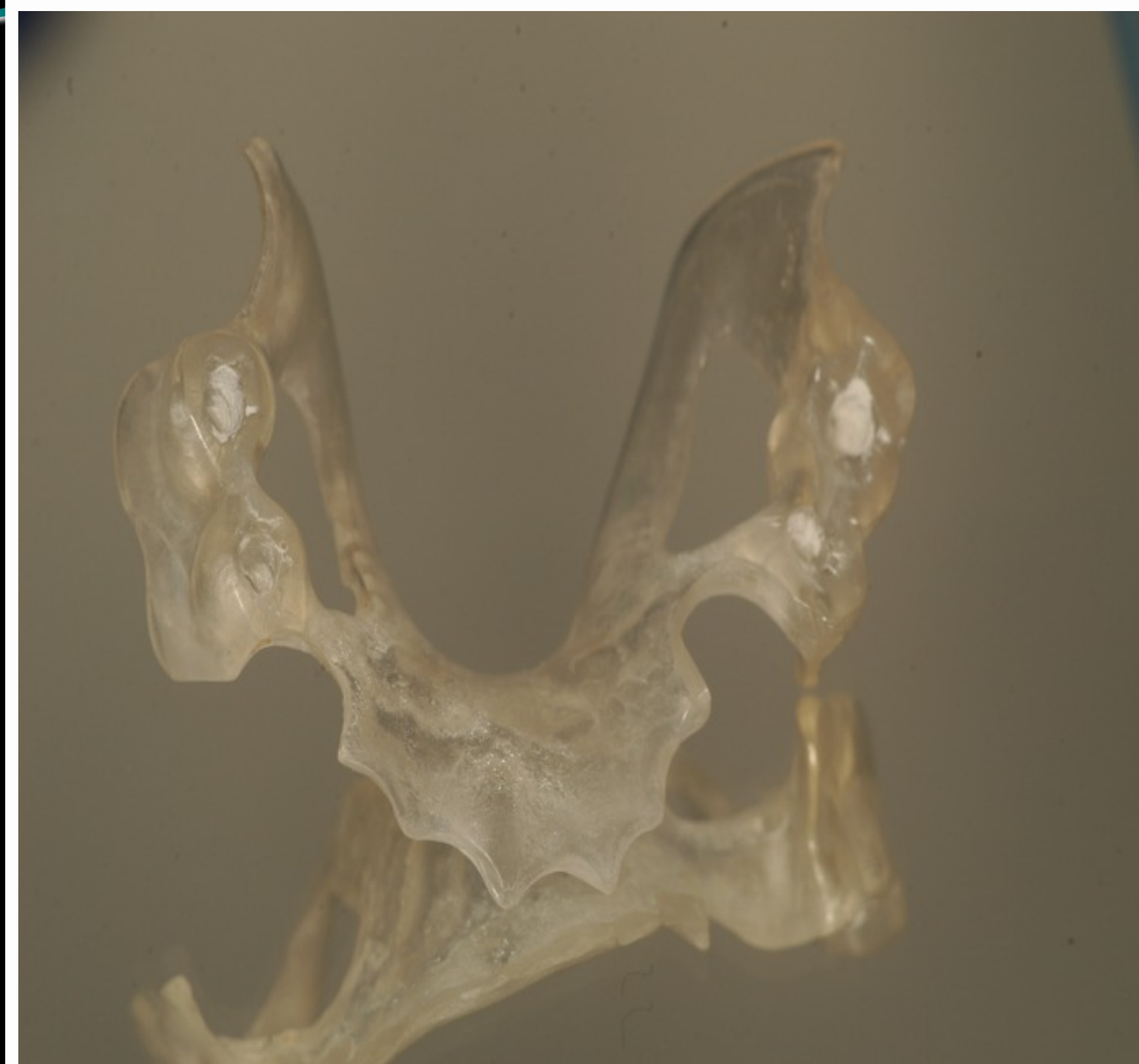


Est ce Tout???





Sans Chirurgie Guidée .





Procera® System

Online

Order Manager

CadDesign

Settings

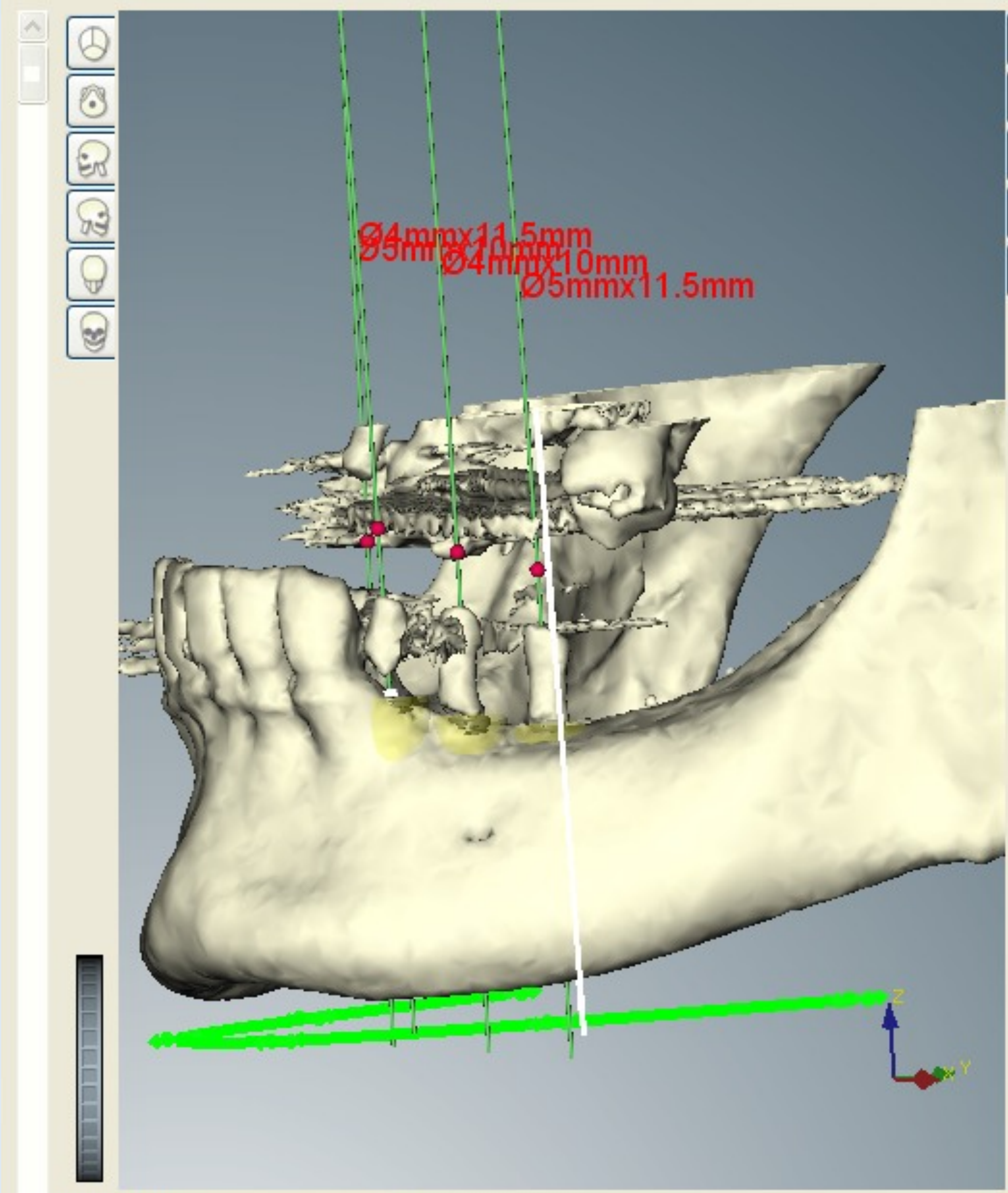
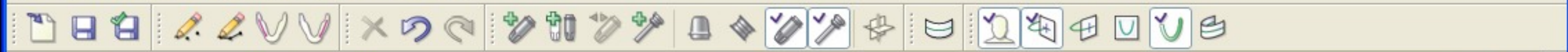
Order Status:
Open Order: RIV.21

Scanner Status:
No scanner connected

System Status:

Progress:

Exit System



RotX RotY

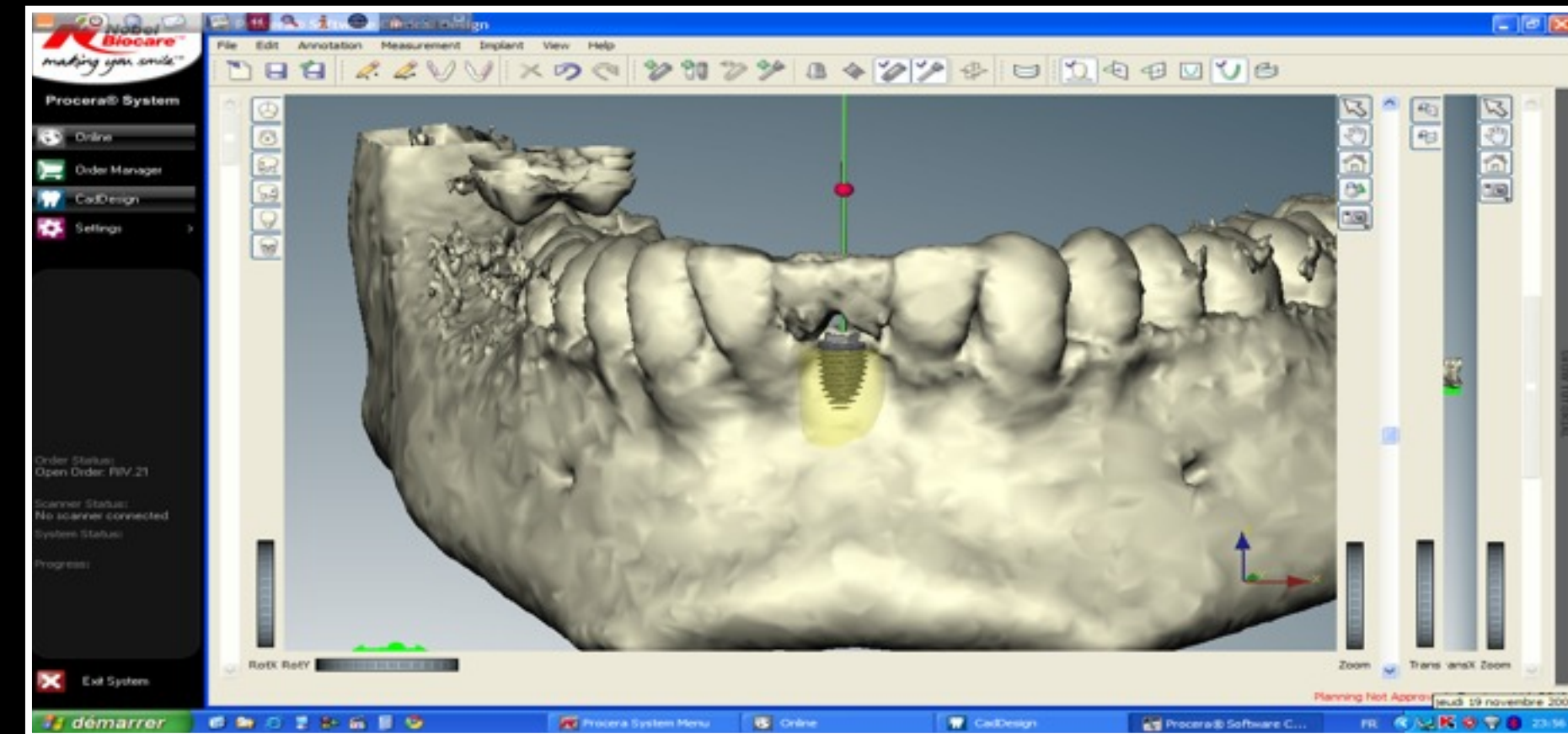
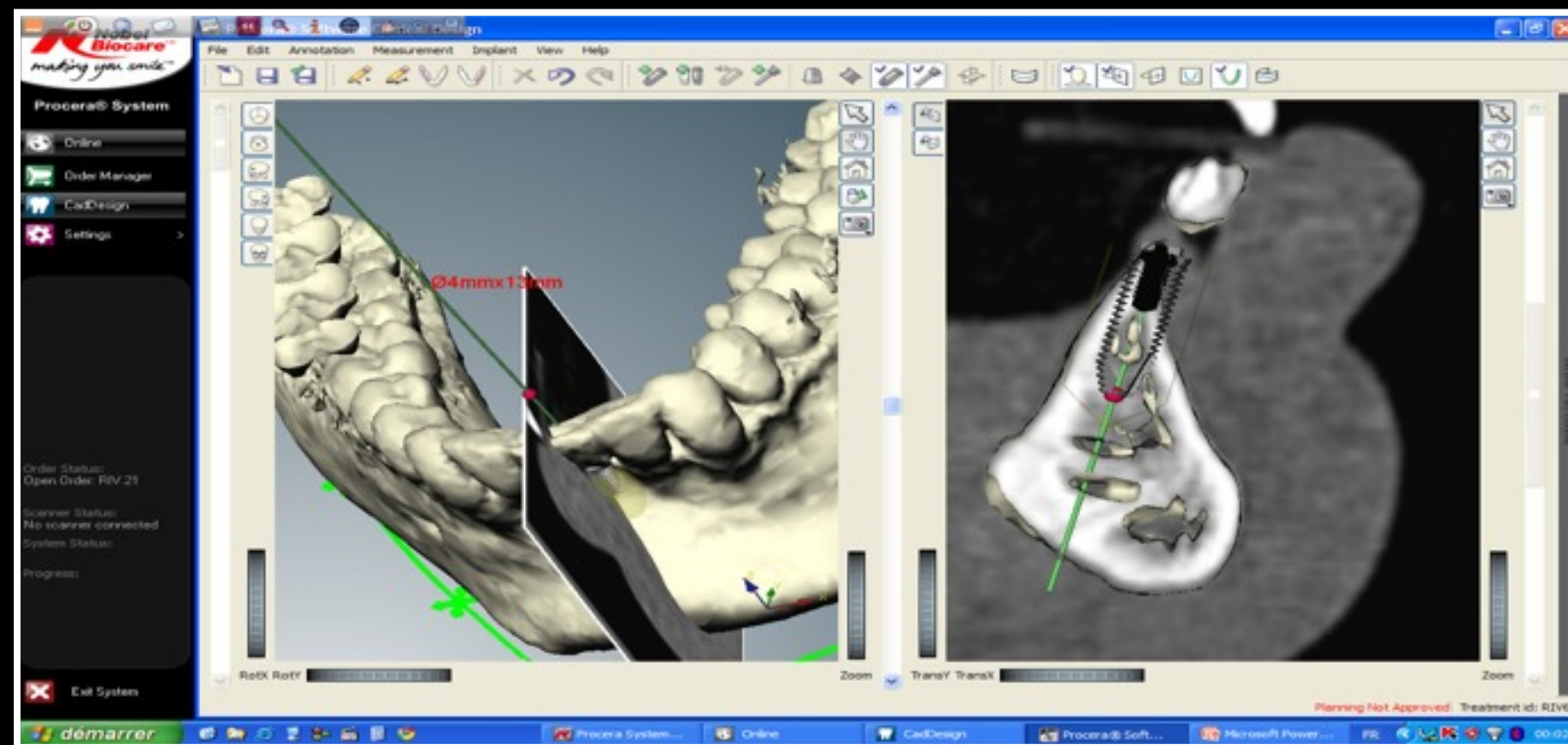
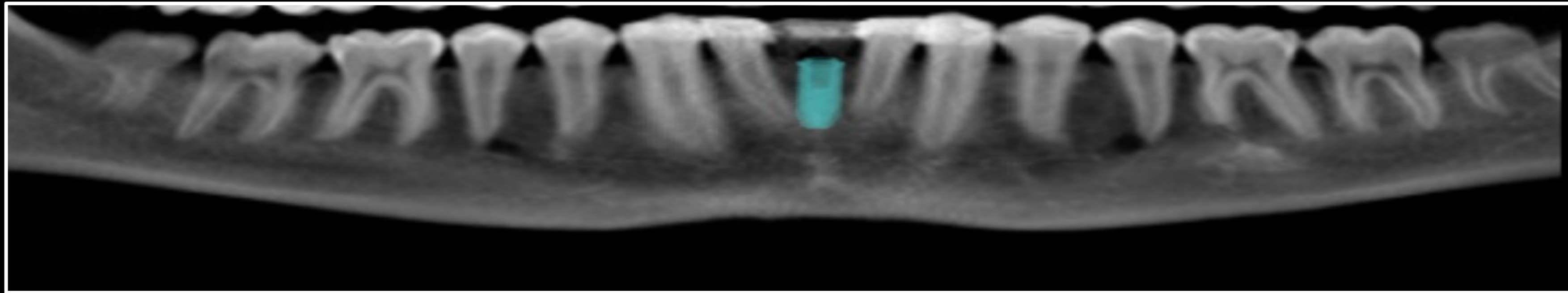


Zoom TransY TransX Zoom

SHOW TUTORIAL

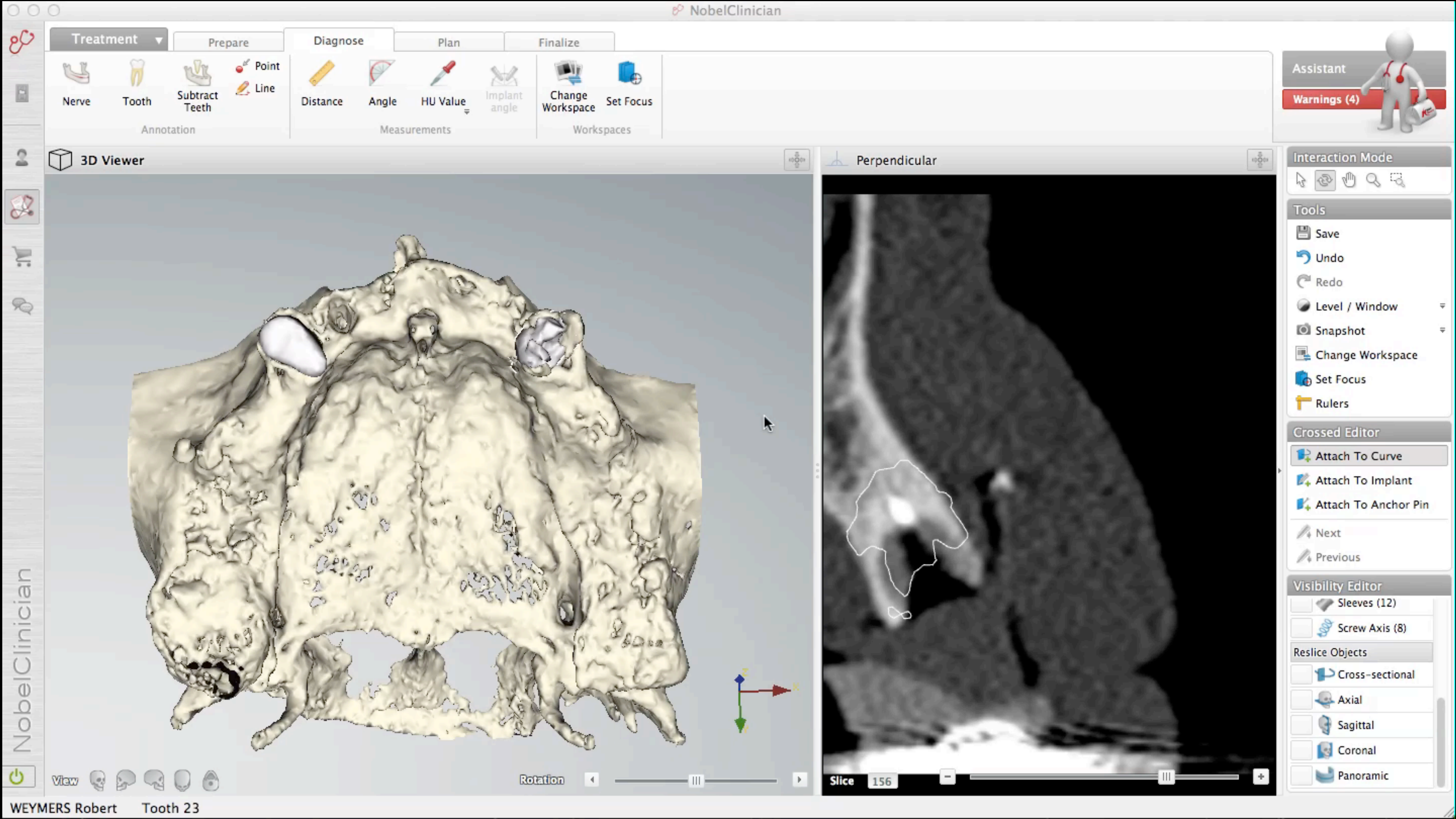


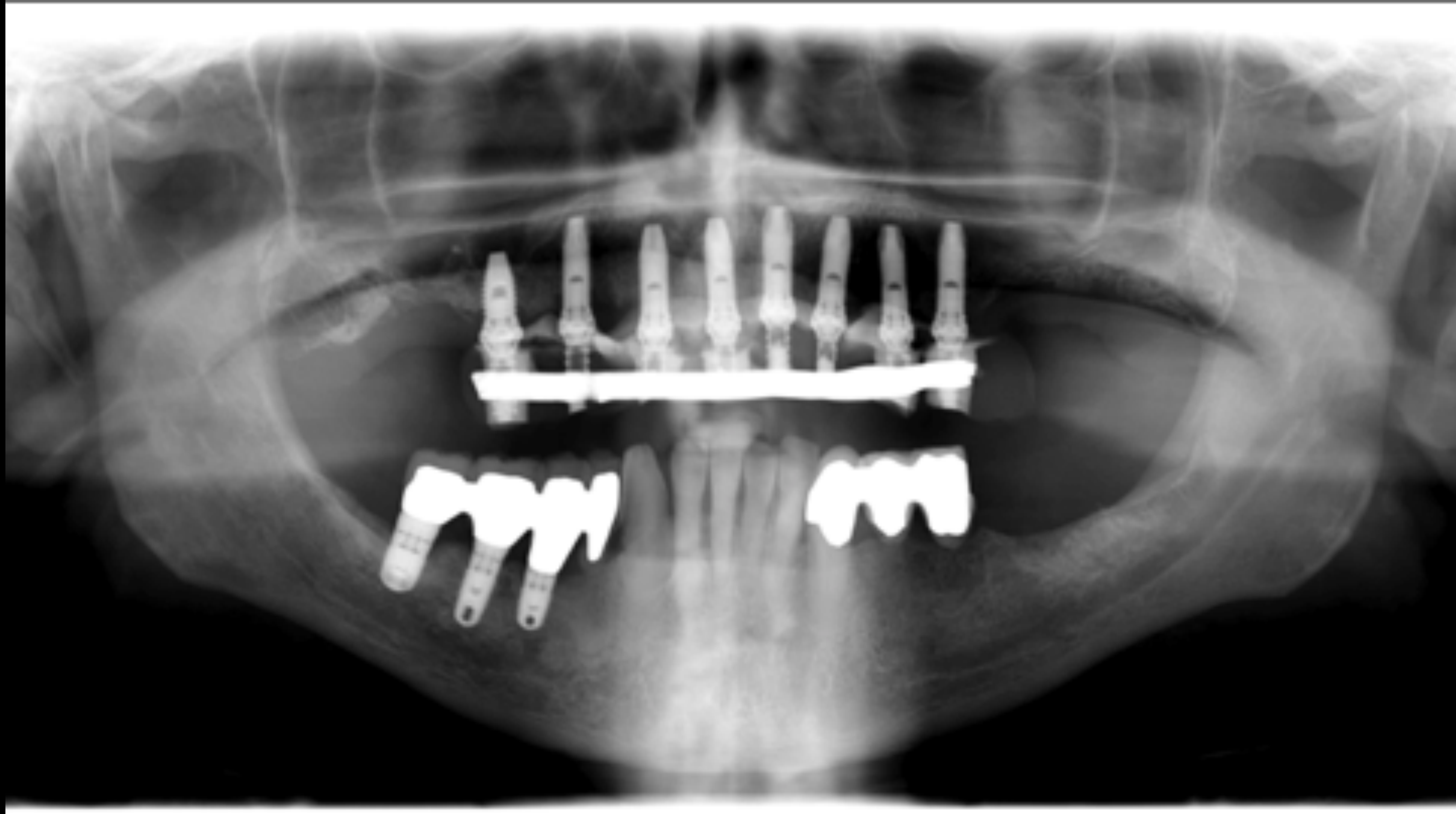
Vues Pré Implantaires



Séparation Dents/O₂







Nobel Clinician

Séparation Dents/os en Chirurgie Buccale

Treatment Prepare Diagnose Plan Finalize

Nerve Tooth Subtract Teeth Point Line
Annotation

Distance Angle HU Value Implant angle Change Workspace Set Focus
Measurements Workspaces

Assistant
Not Approved

Add Nerve

Actions Panoramic

Instructions
Indicate the nerve points on the panoramic or the perpendicular reslice. If the nerve is not visible on the panoramic reslice you can start by adjusting it.
[Get more assistance.](#)

Panoramic Reslice Actions
Adjust Panoramic Reslice

Selected Nerve Actions
Insert a Point
Add an End Point
Remove Selected Point

Diameter: 0,00

Nerve Actions
Delete Selected Nerve
Add New Nerve

Nerve
Nerve 2

Offset 0

Perpendicular 3D Viewer

Slice 10

Show Slice

Cancel Finish

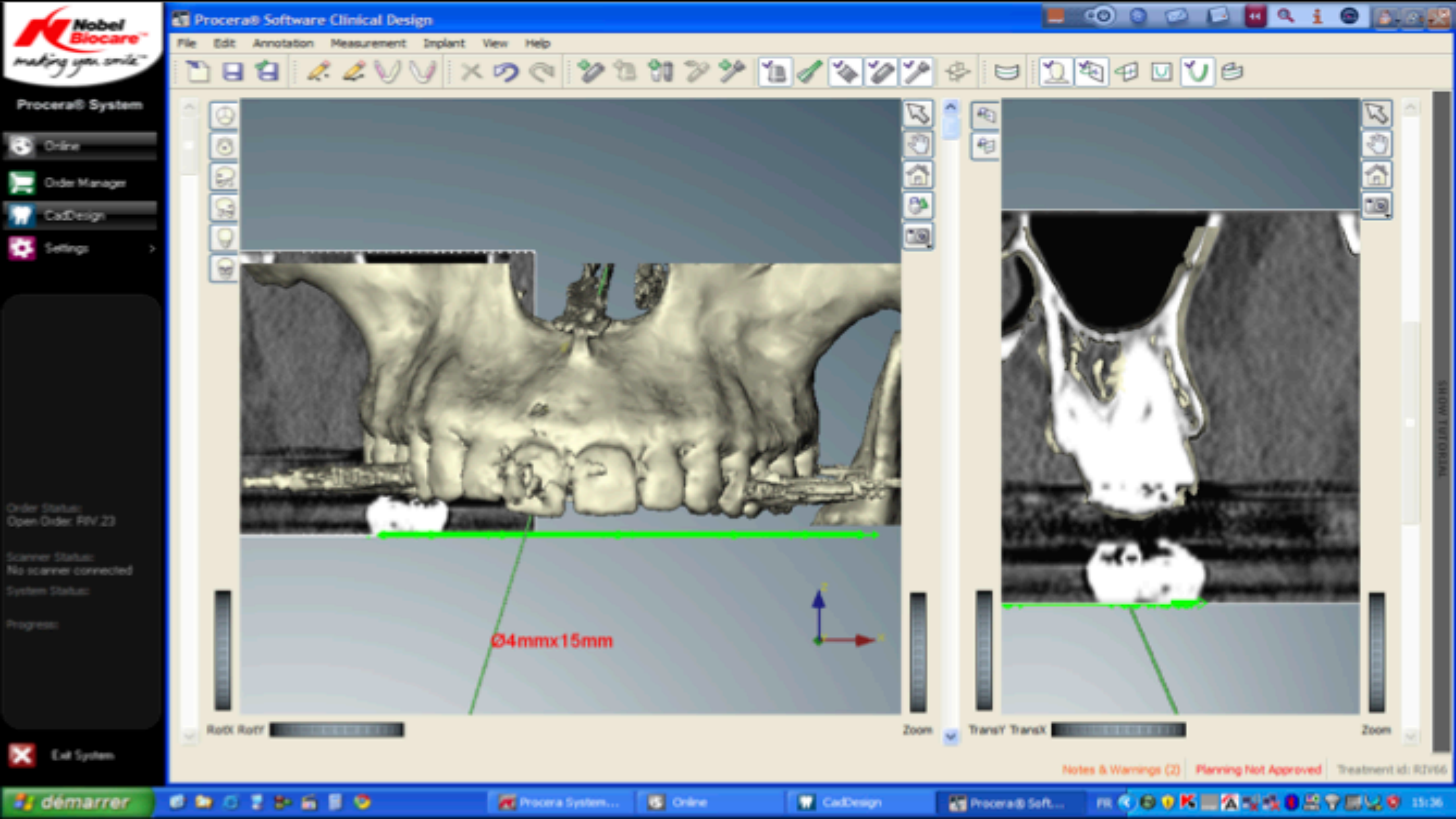
NobelClinician

BOURGES MATHILDE









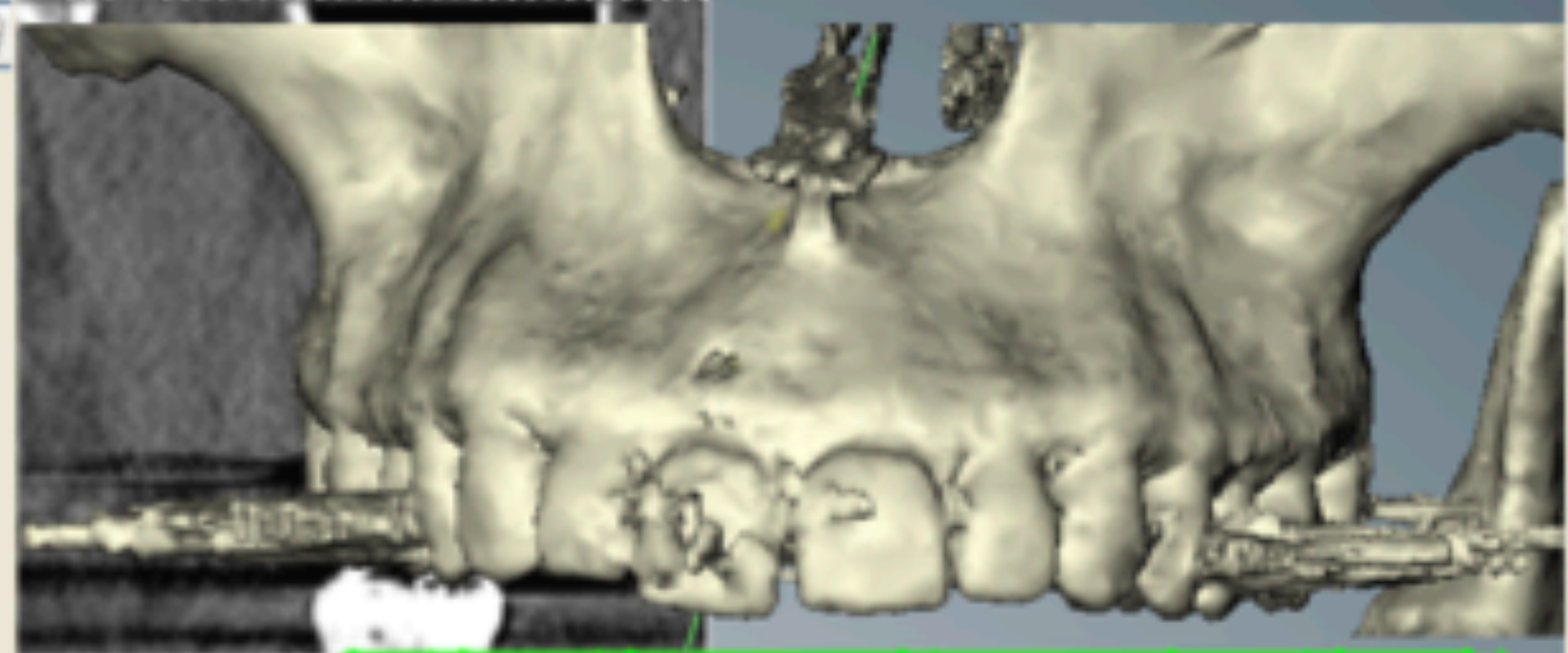
- Procera® System
- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RVV 23

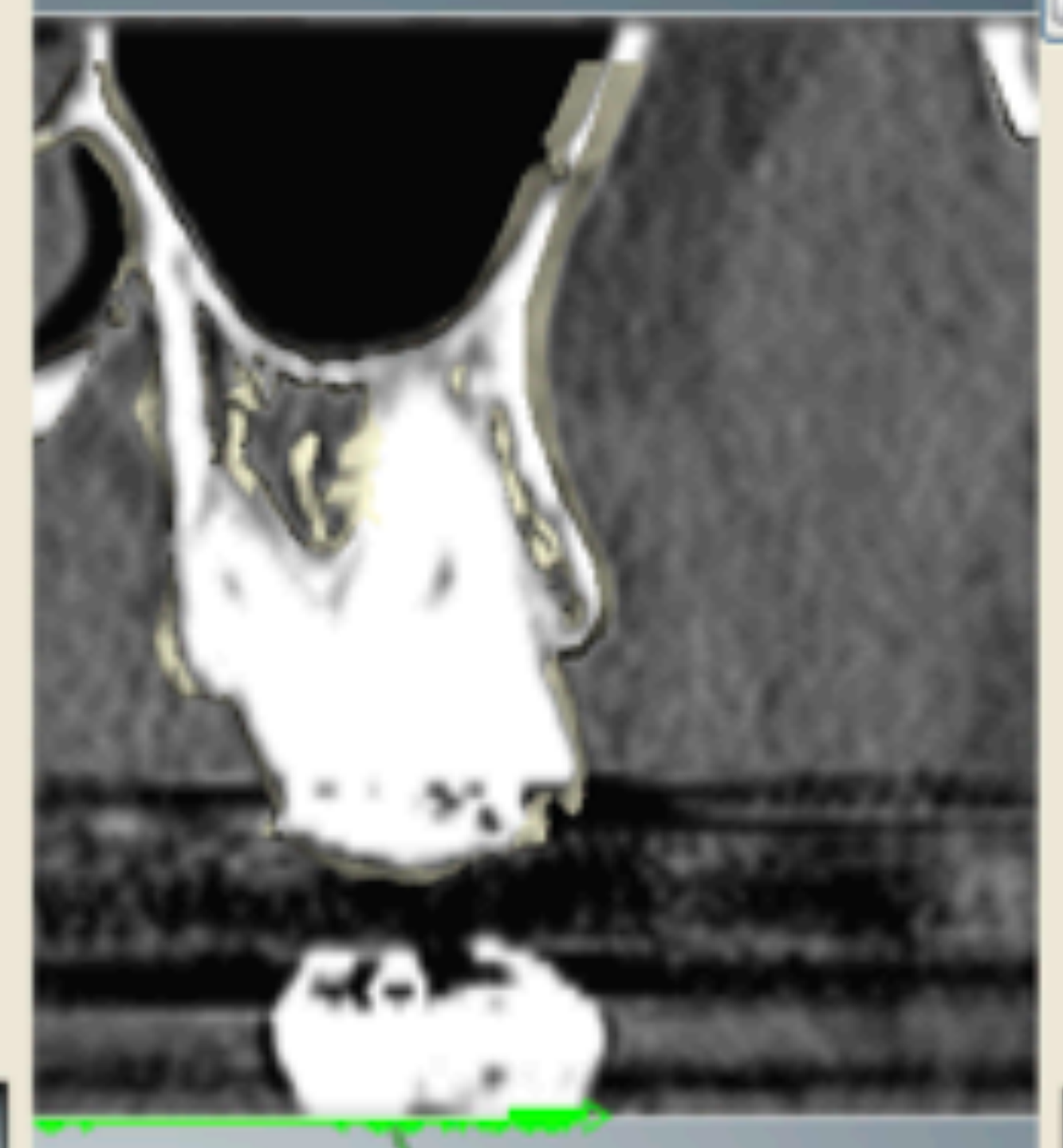
Scanner Status:
No scanner connected

System Status:

Progress:



Ø4mmx15mm





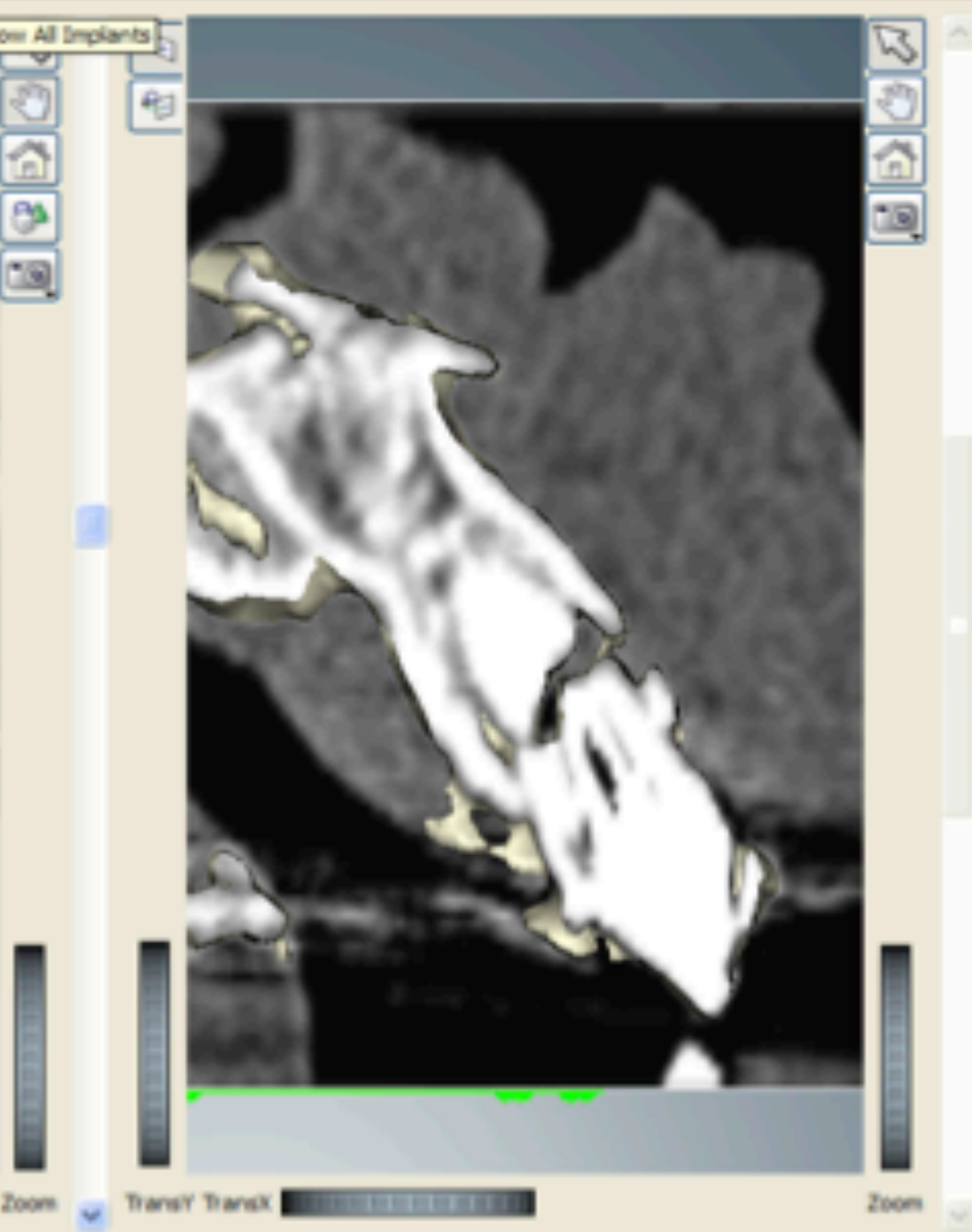
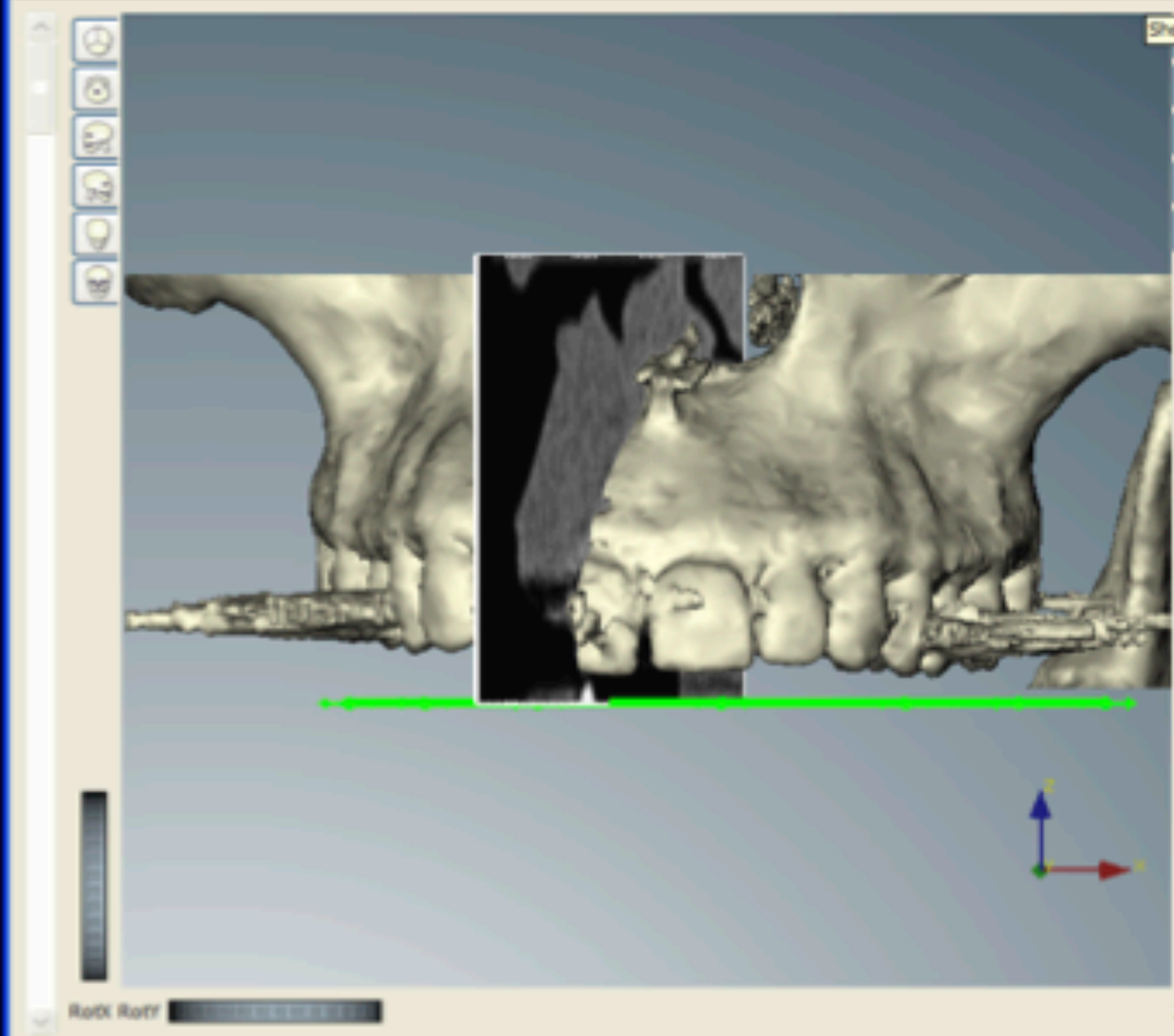
- Procera® System
- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: PIV 23

Scanner Status:
No scanner connected

System Status:

Progress:





Procera® System

- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RV.23

Scanner Status:
No scanner connected

System Status:

Progress:

Exit System

Cliquez ici pour commencer

démarrer

Procera® Software Clinical Design

File Edit Annotation Measurement Implant View Help

RotX RotY

Zoom

TransY TransX

Zoom

Notes & Warnings (2) Planning Not Approved Treatment id: R2166



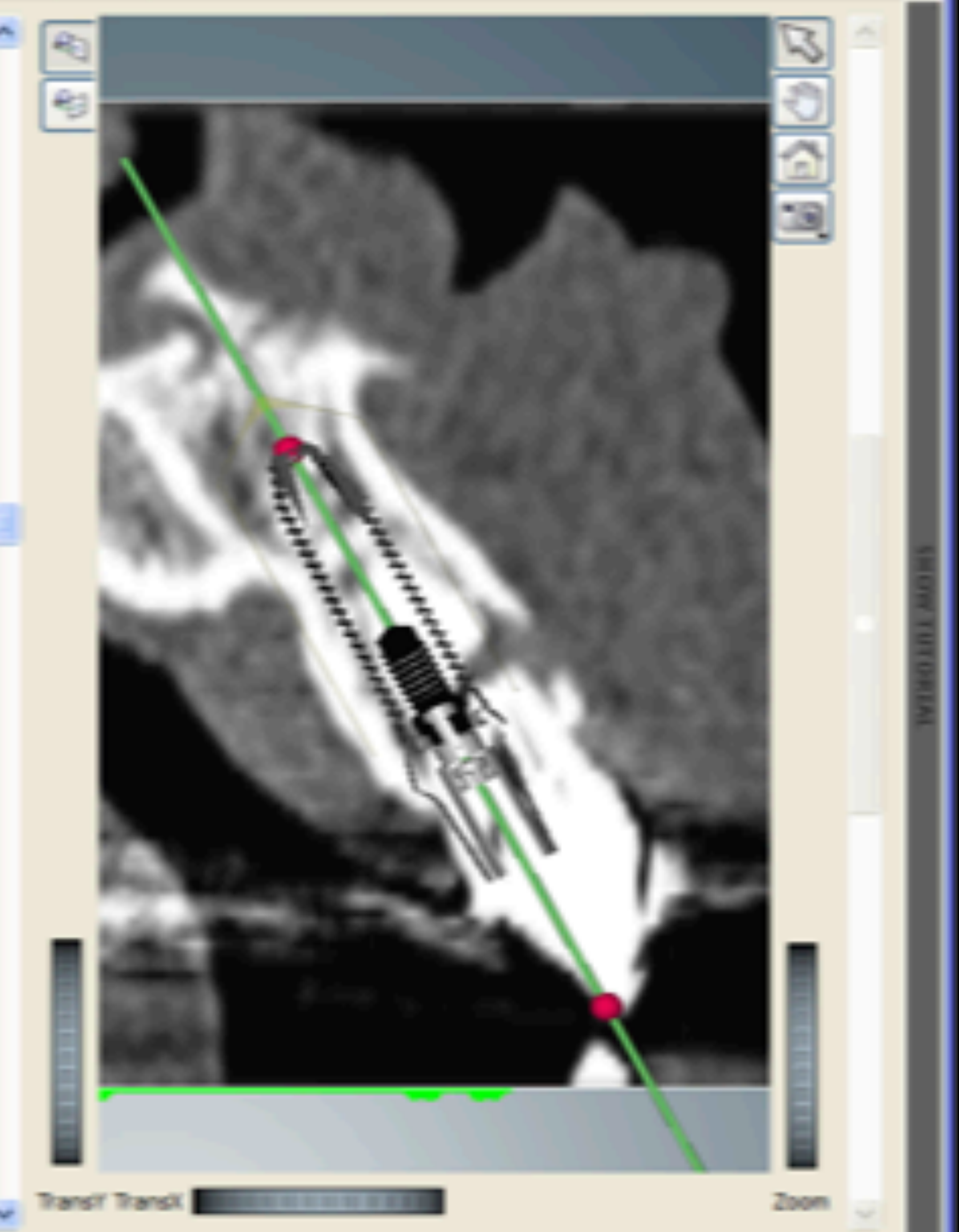
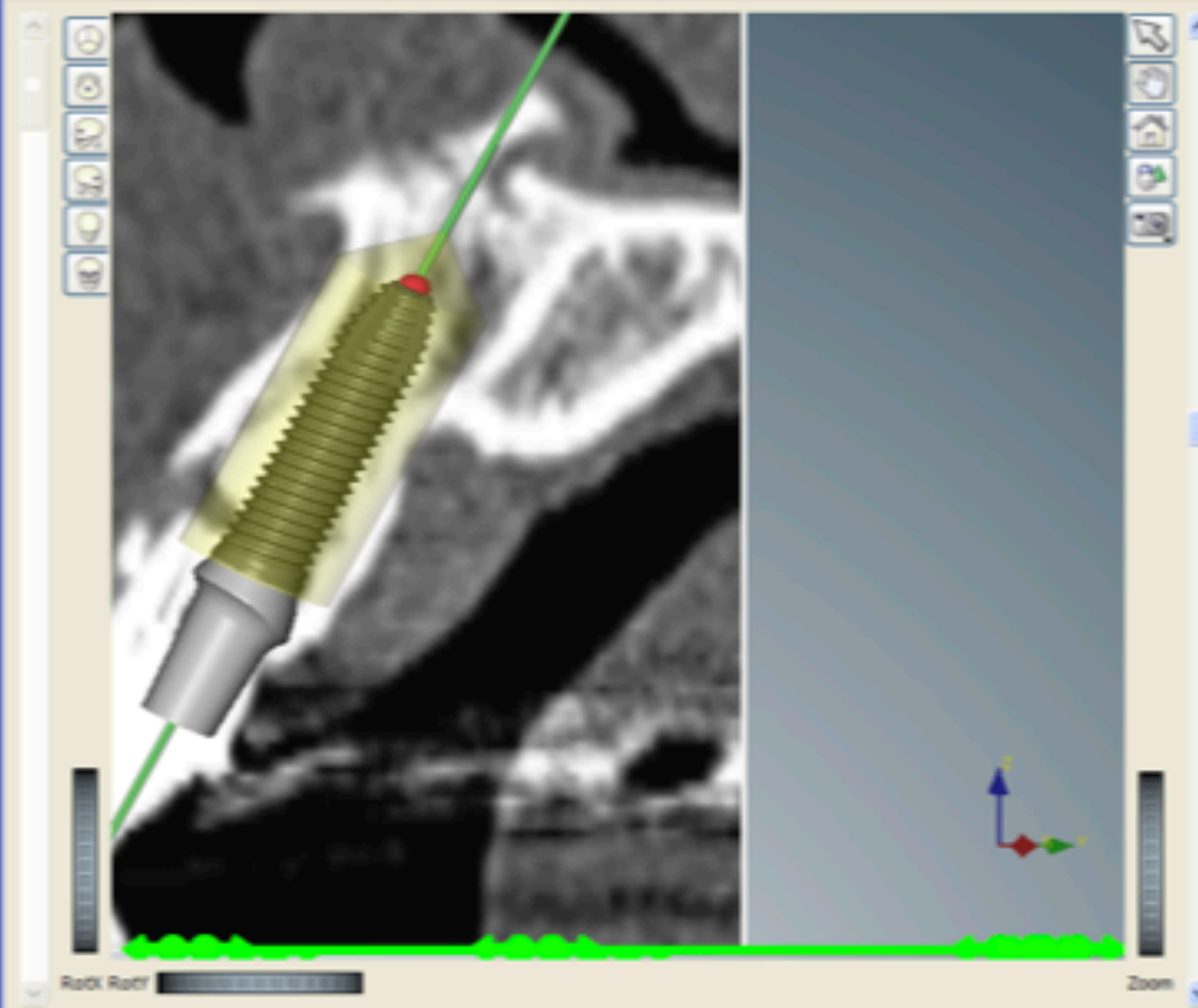
- Procera® System
- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RIV.23

Scanner Status:
No scanner connected

System Status:

Progress:



Exit System



Procera® System

- Online
- Order Manager
- CadDesign
- Settings

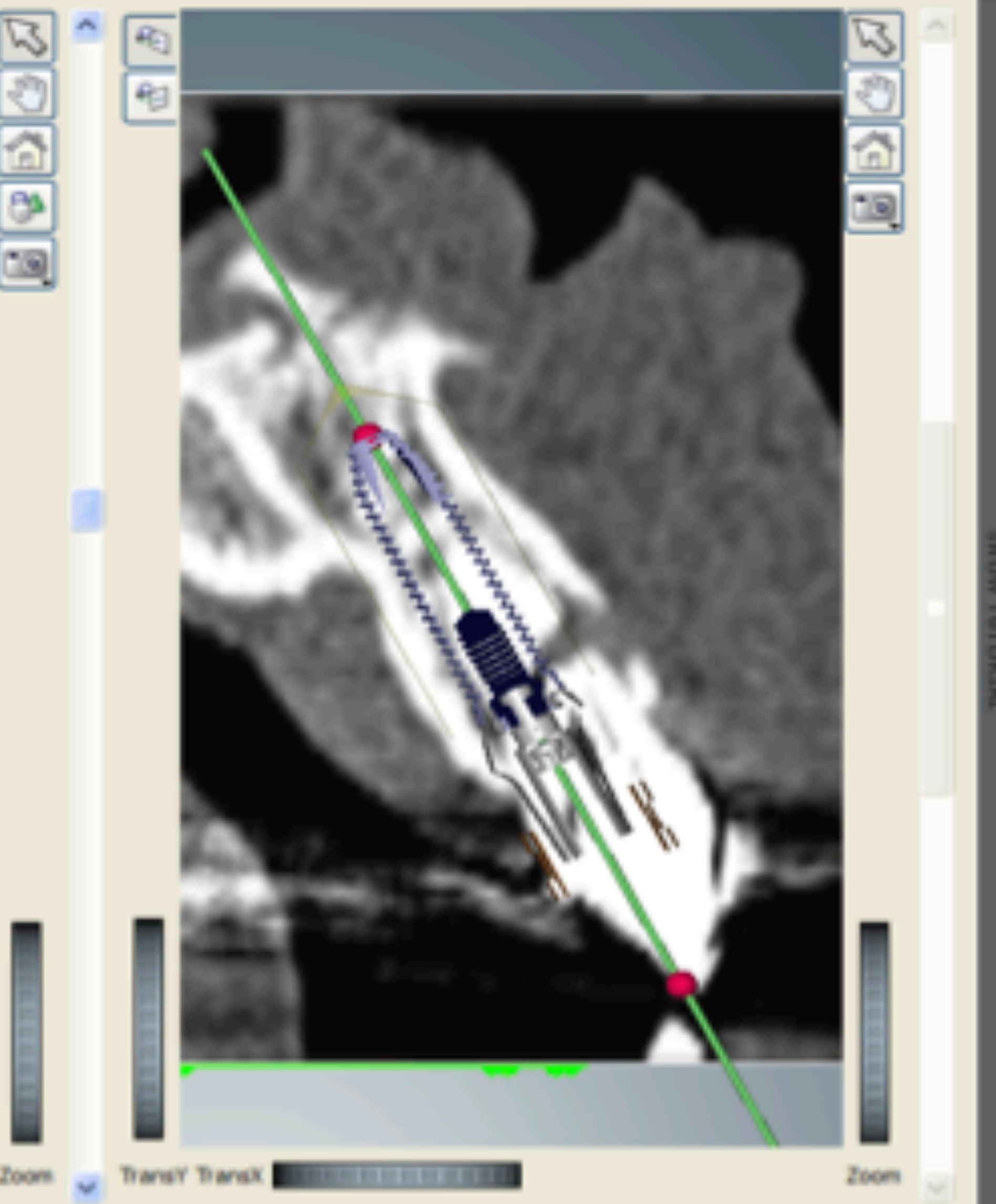
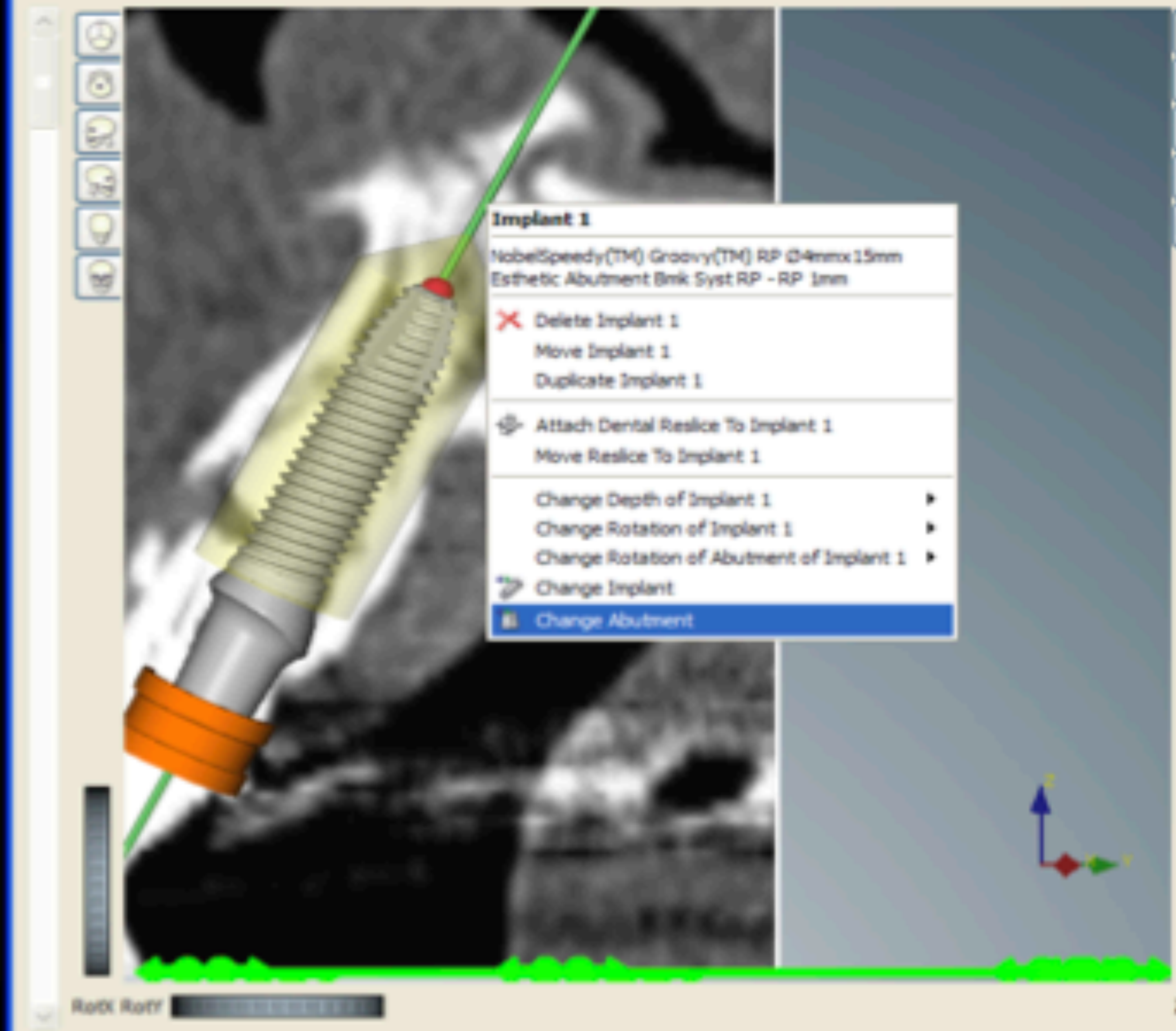
Order Status:
Open Order: PIV 23

Scanner Status:
No scanner connected

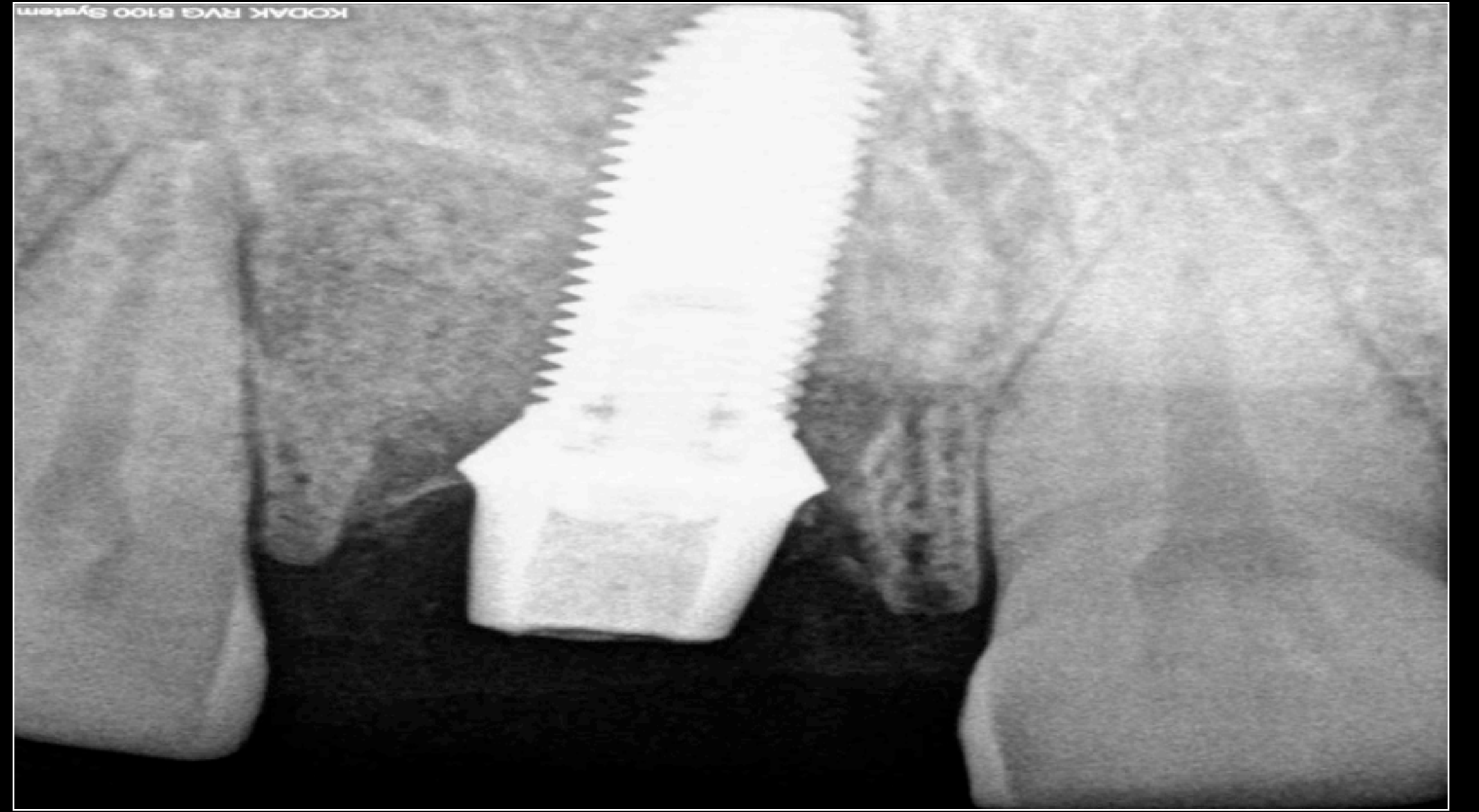
System Status:

Progress:

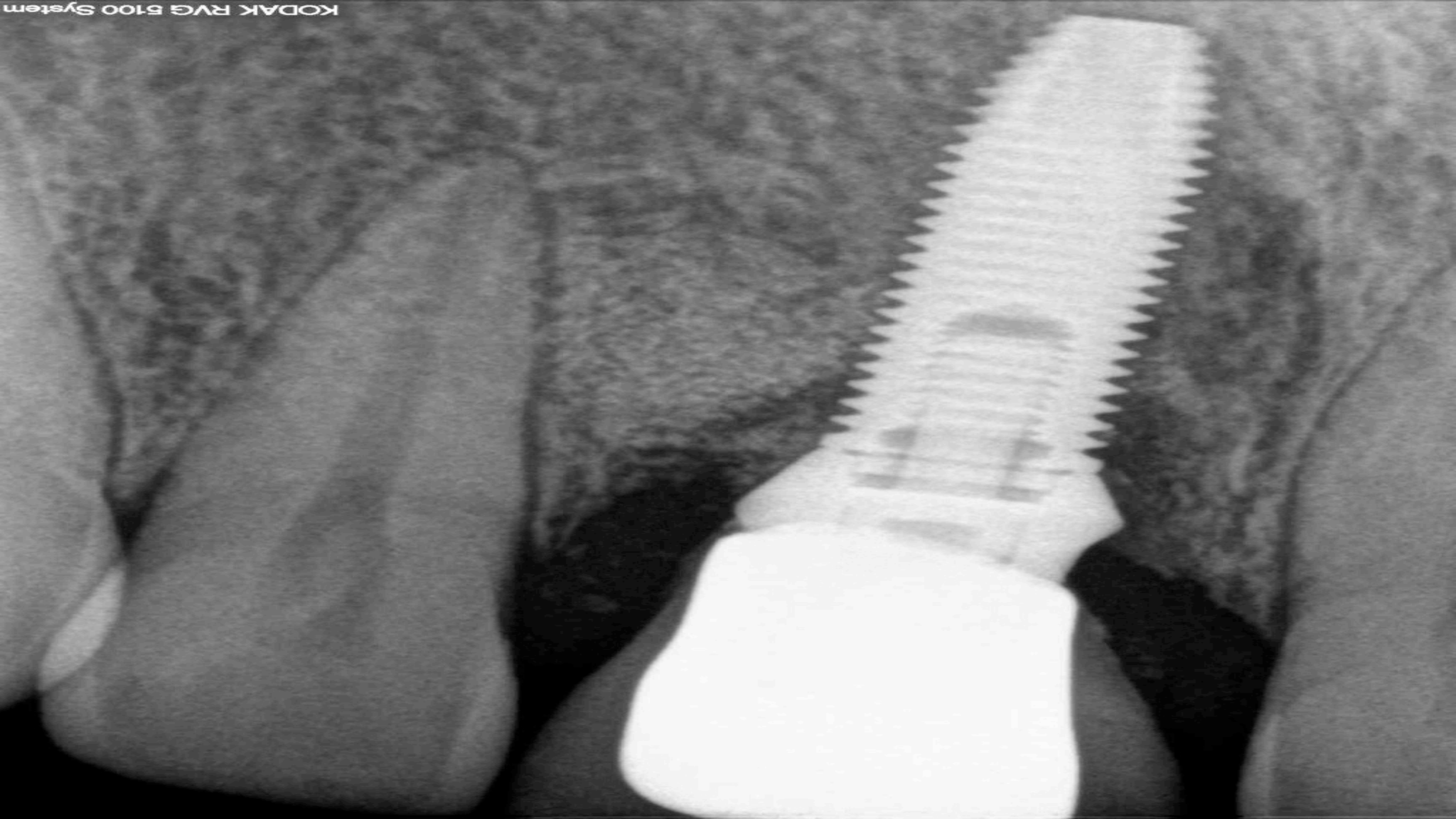
Exit System

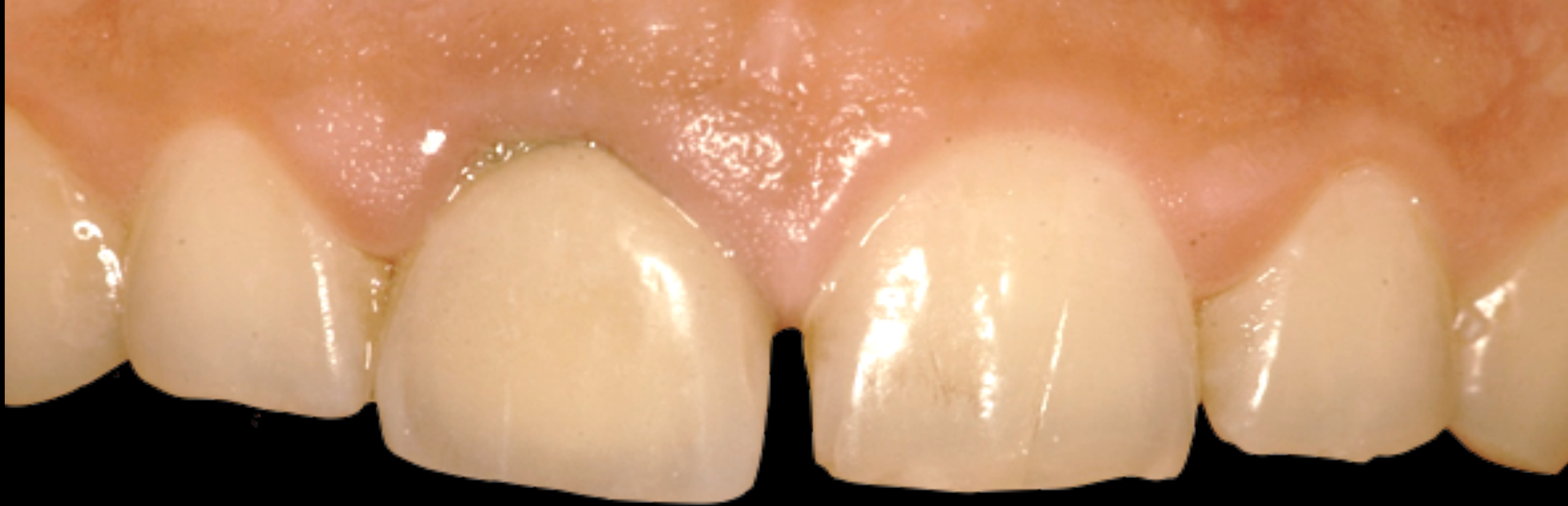




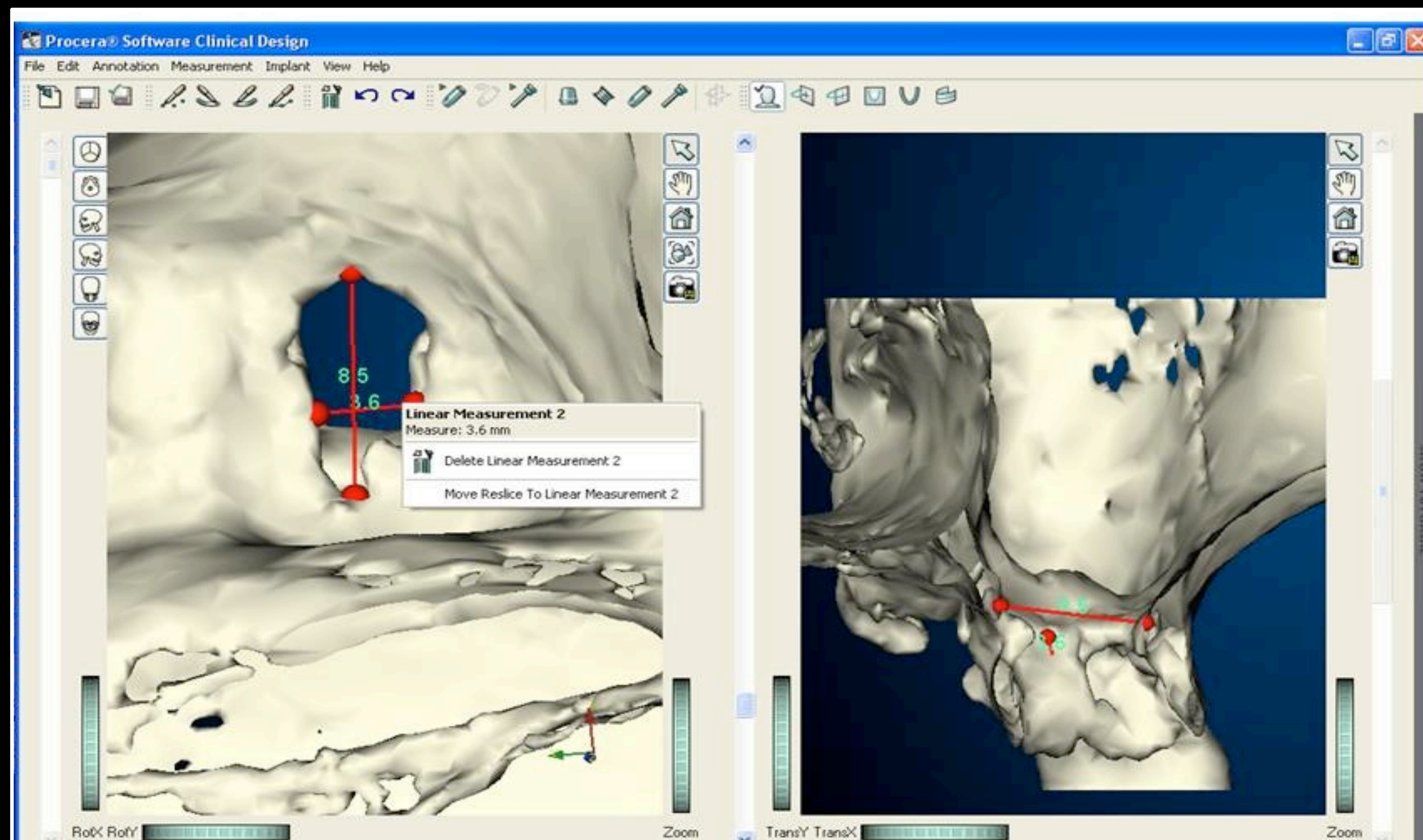








Mesures d'une CBS





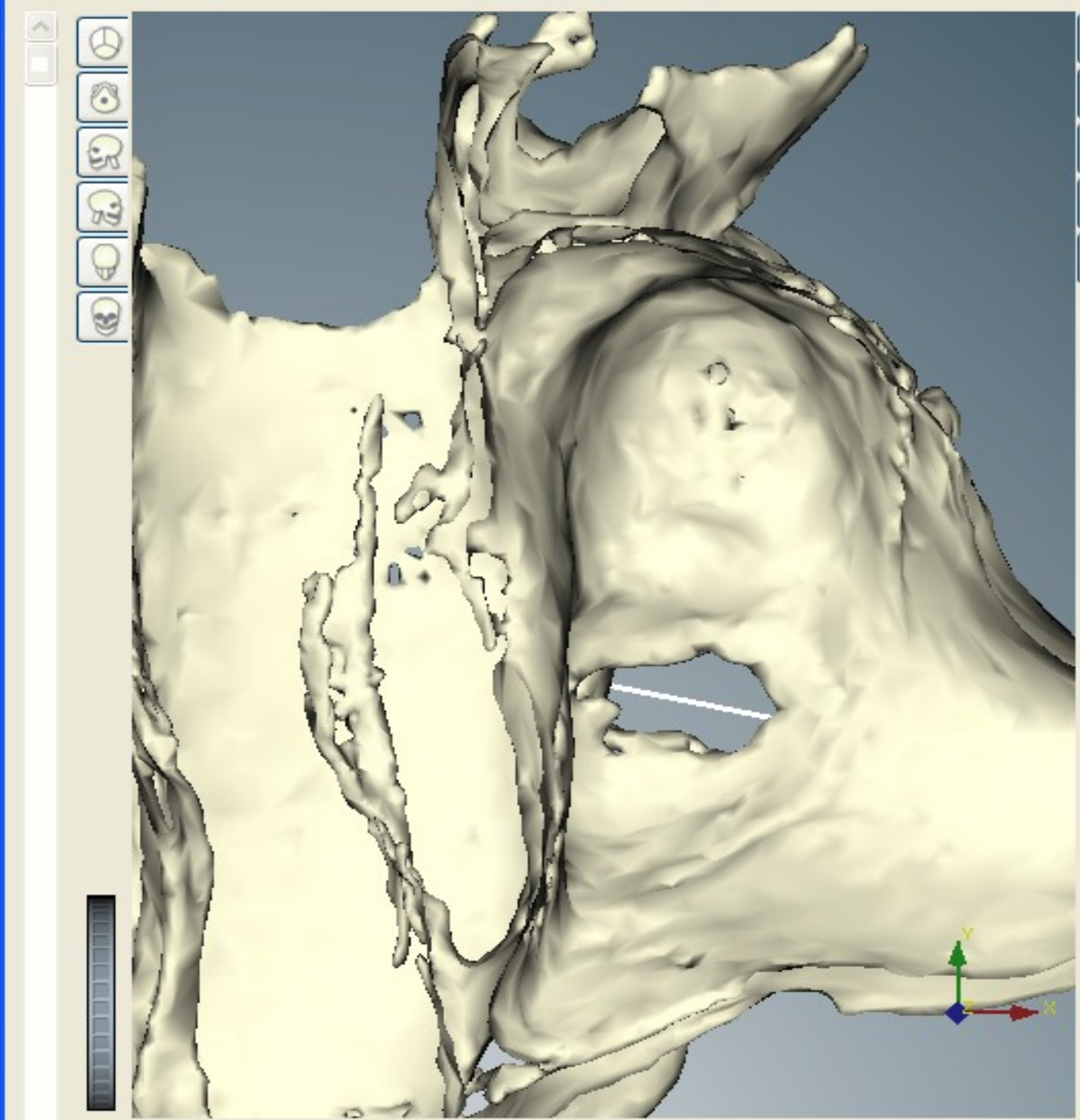
- Procera® System
- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RIV.25

Scanner Status:
No scanner connected

System Status:

Progress:

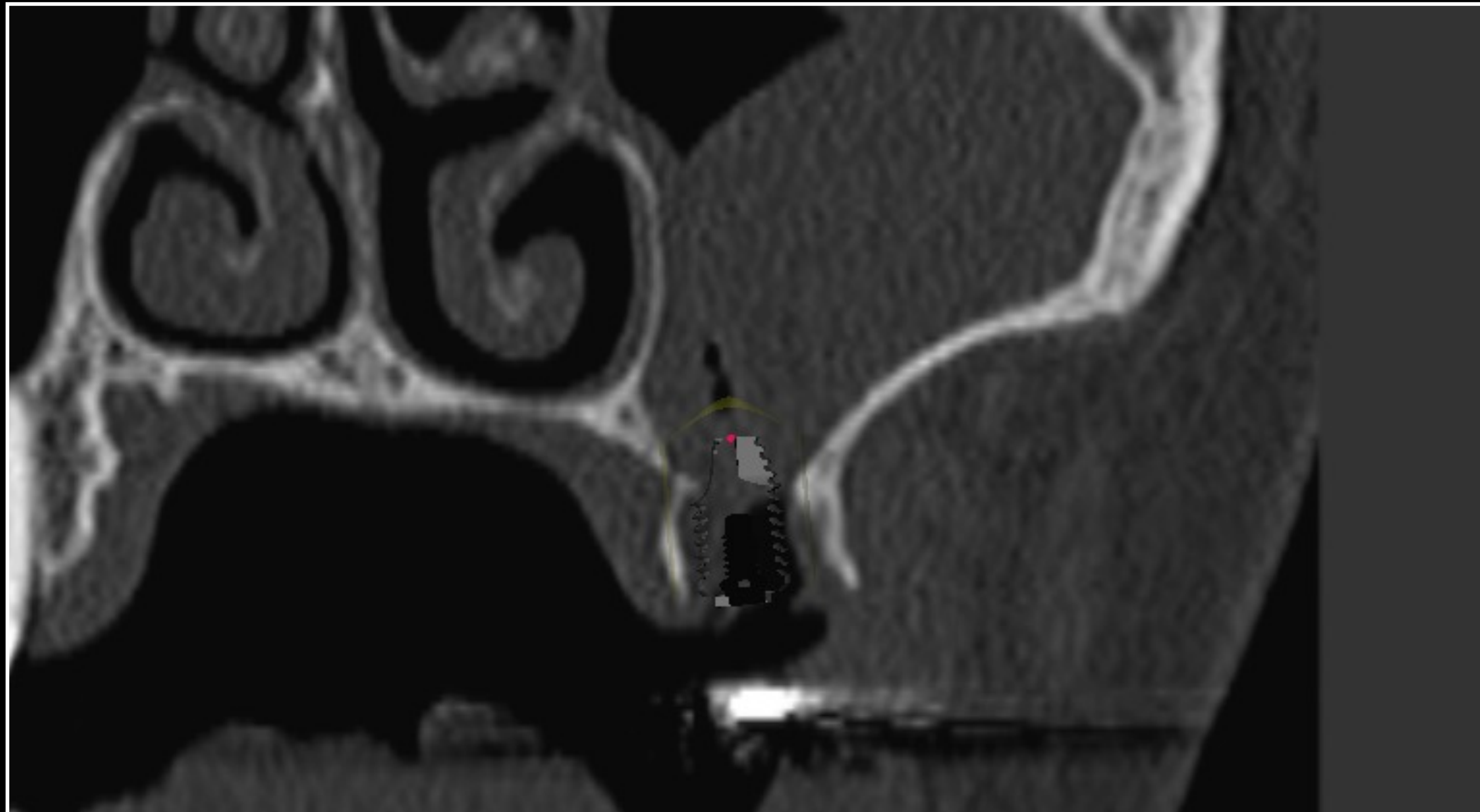


RotX RotY

Zoom TransY TransX

Exit System

Vue en 2D





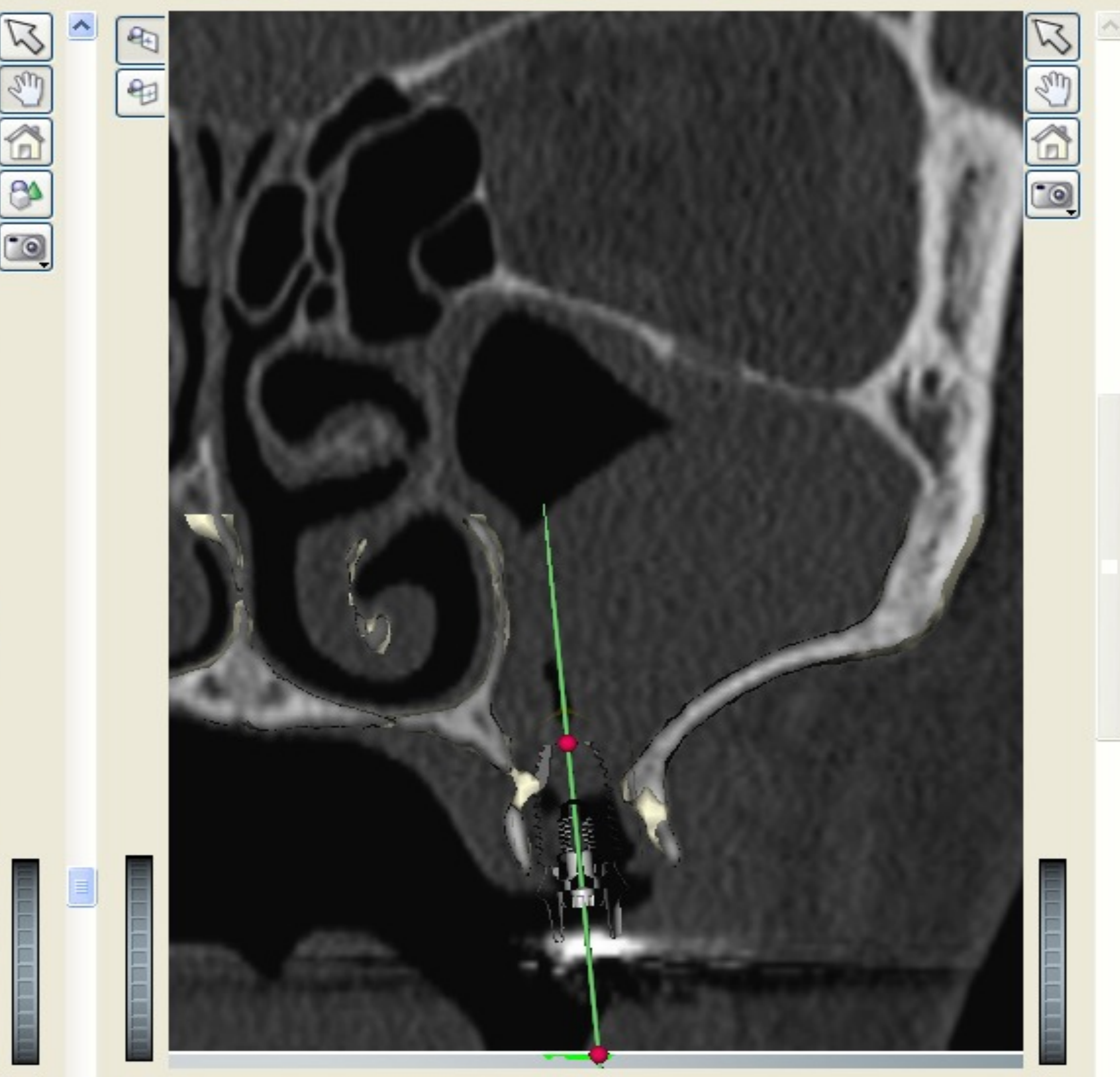
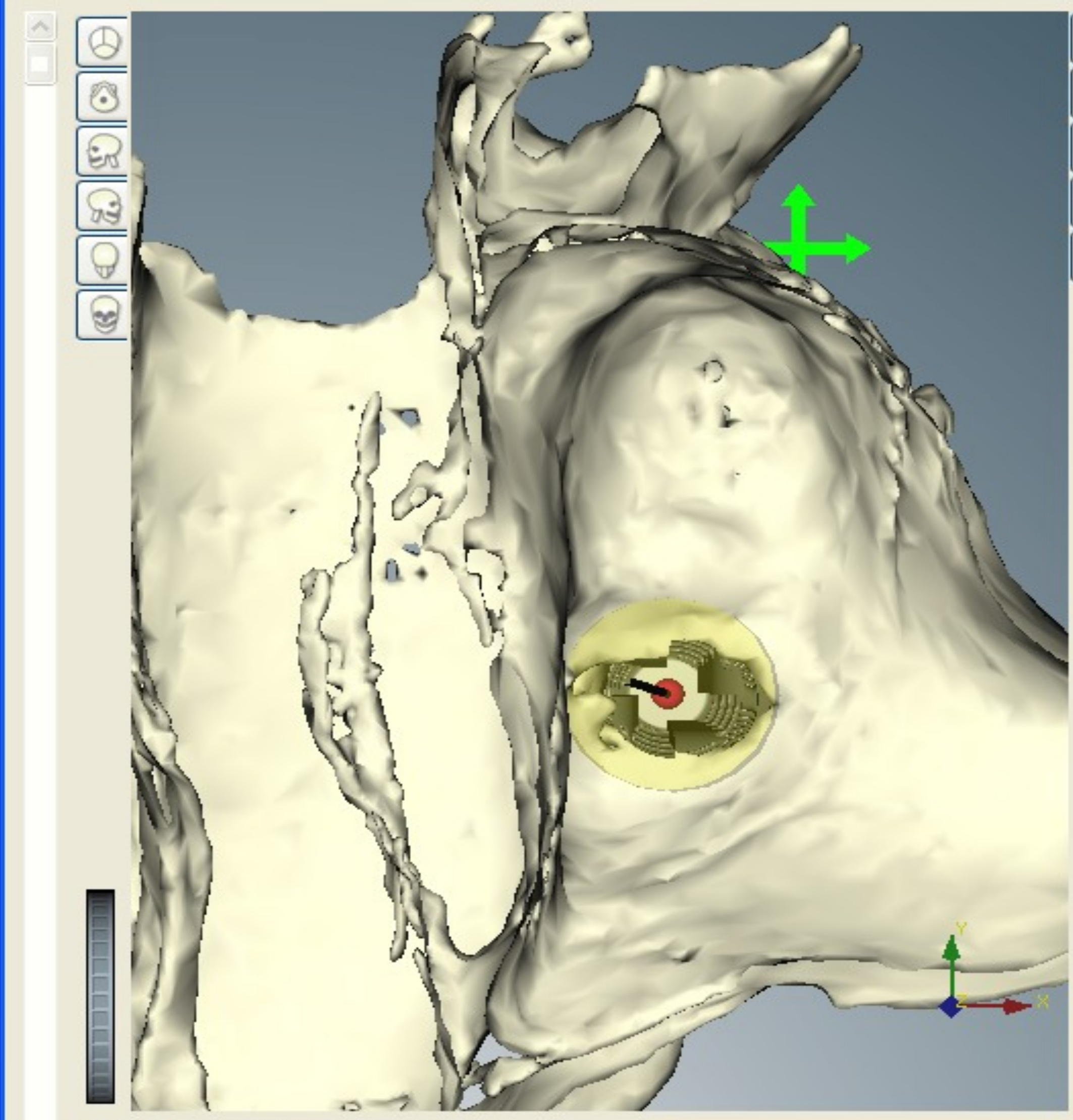
- Procera® System
- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RIV.25

Scanner Status:
No scanner connected

System Status:

Progress:



RotX RotY

Zoom TransY TransX

Exit System



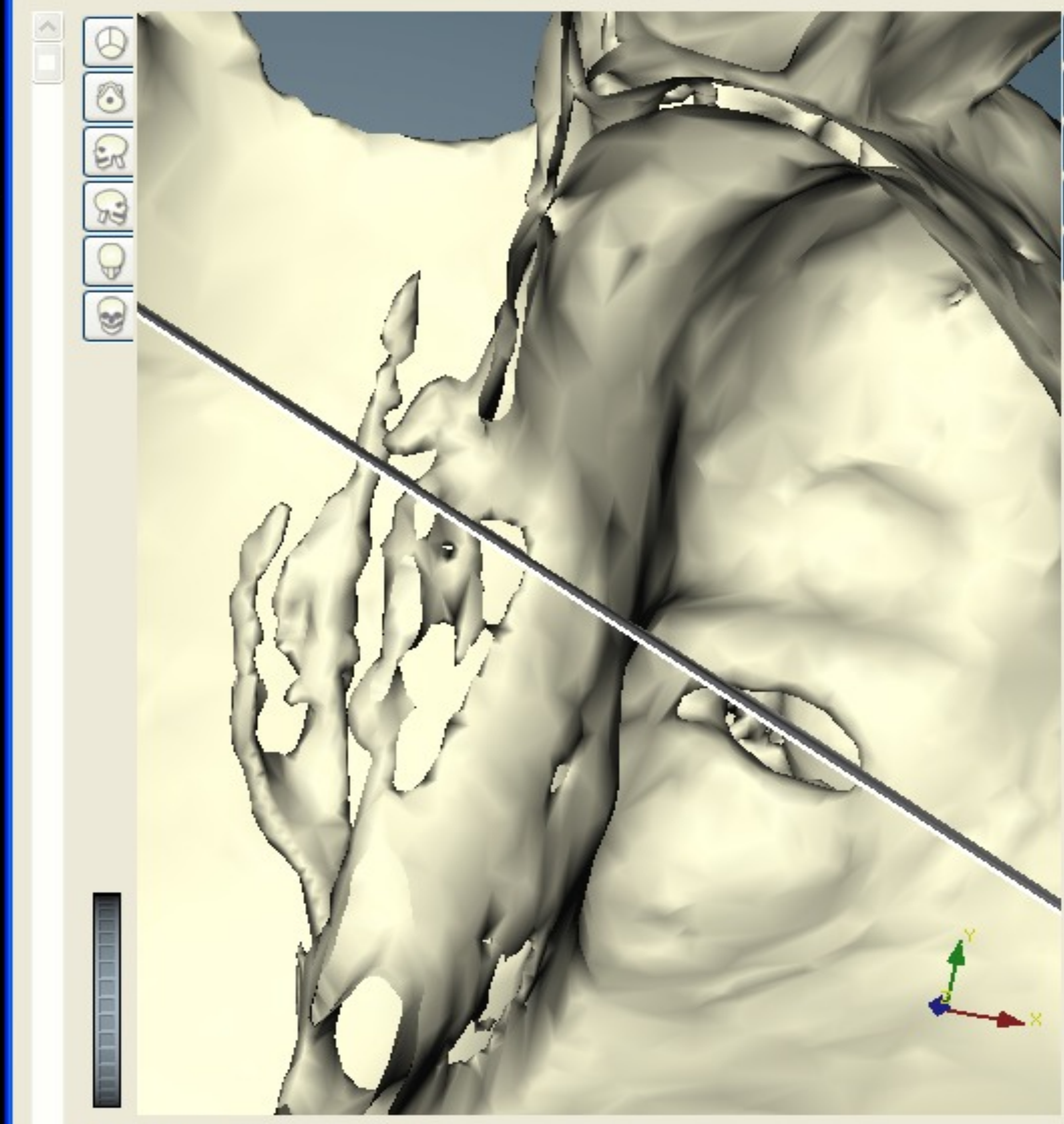
- Procera® System
- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RIV.25

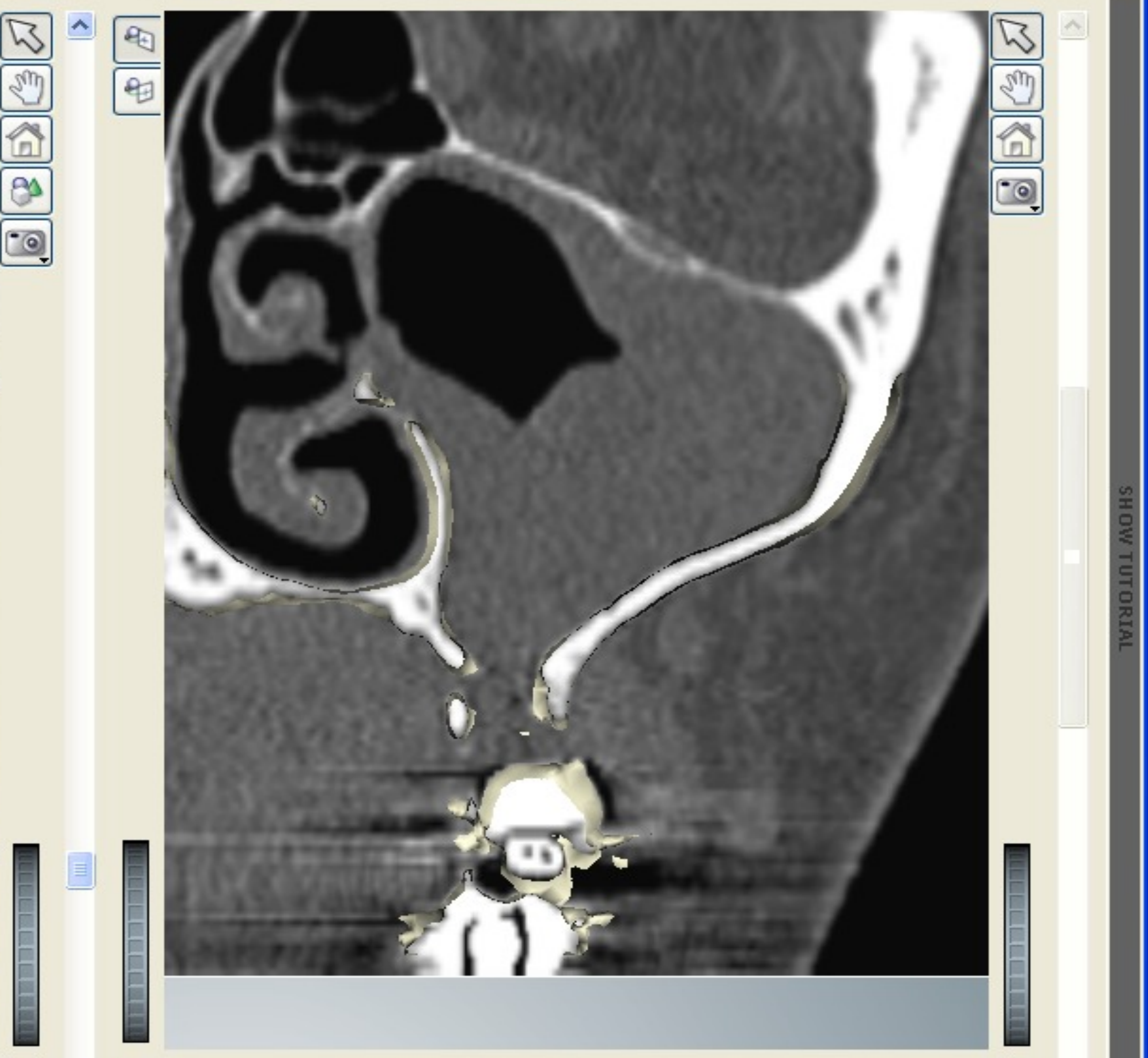
Scanner Status:
No scanner connected

System Status:

Progress:



RotX RotY Zoom



TransY TransX Zoom

SHOW TUTORIAL

Notes & Warnings (2) Planning Not Approved Treatment id: RIV70



Procera® System

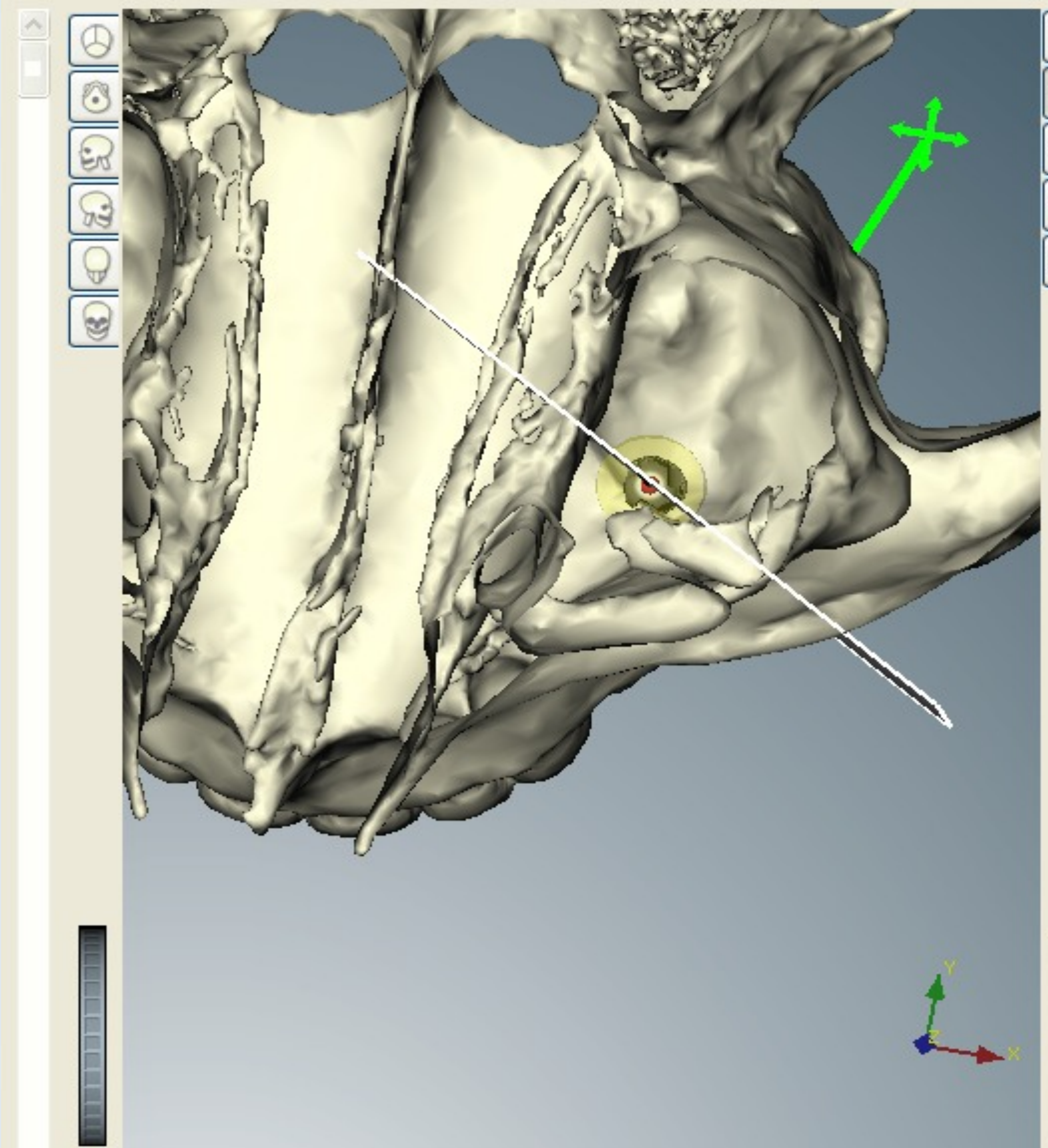
- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RIV.21

Scanner Status:
No scanner connected

System Status:

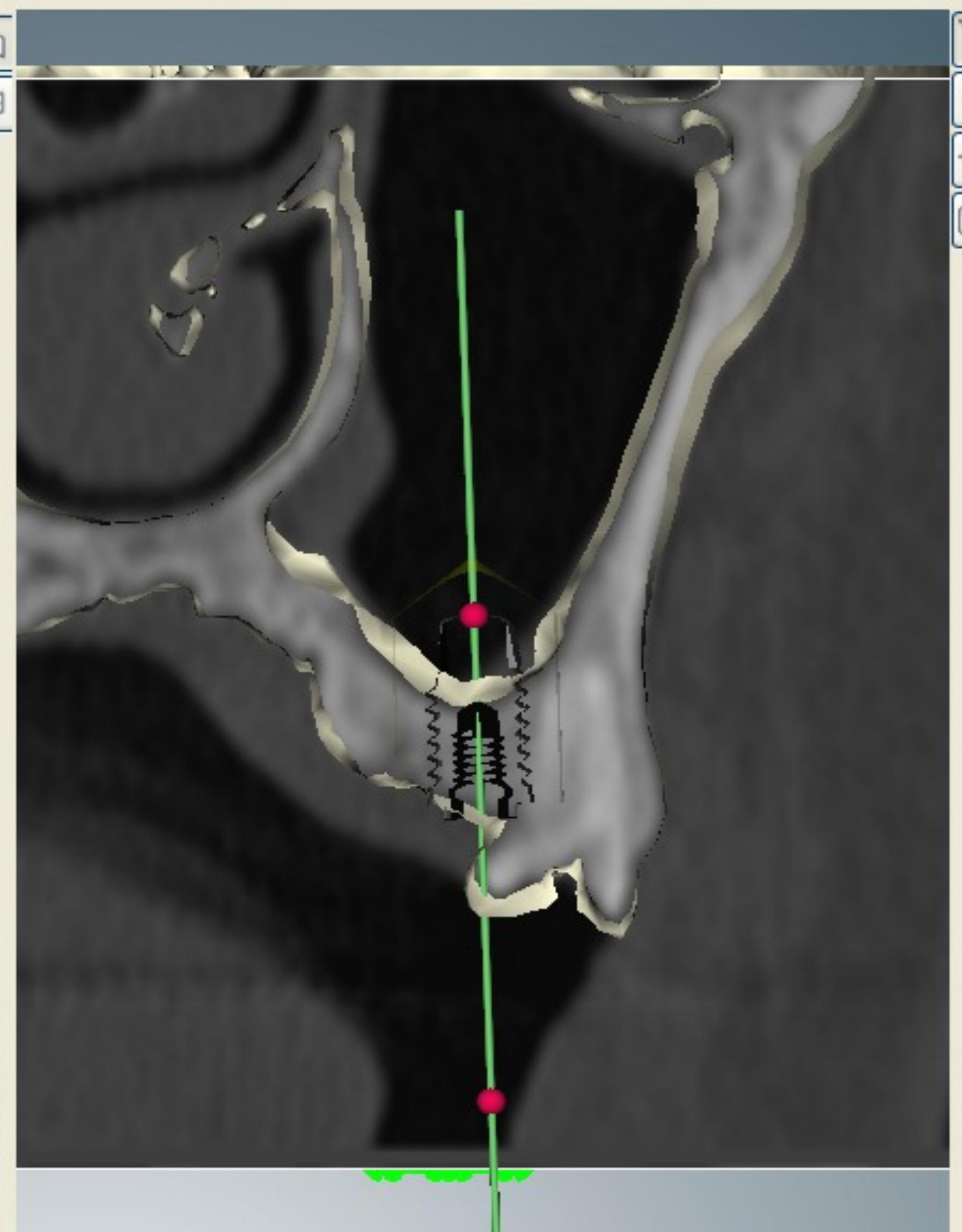
Progress:



RotX RotY



Zoom



TransY TransX

Zoom

SHOW TUTORIAL

Exit System



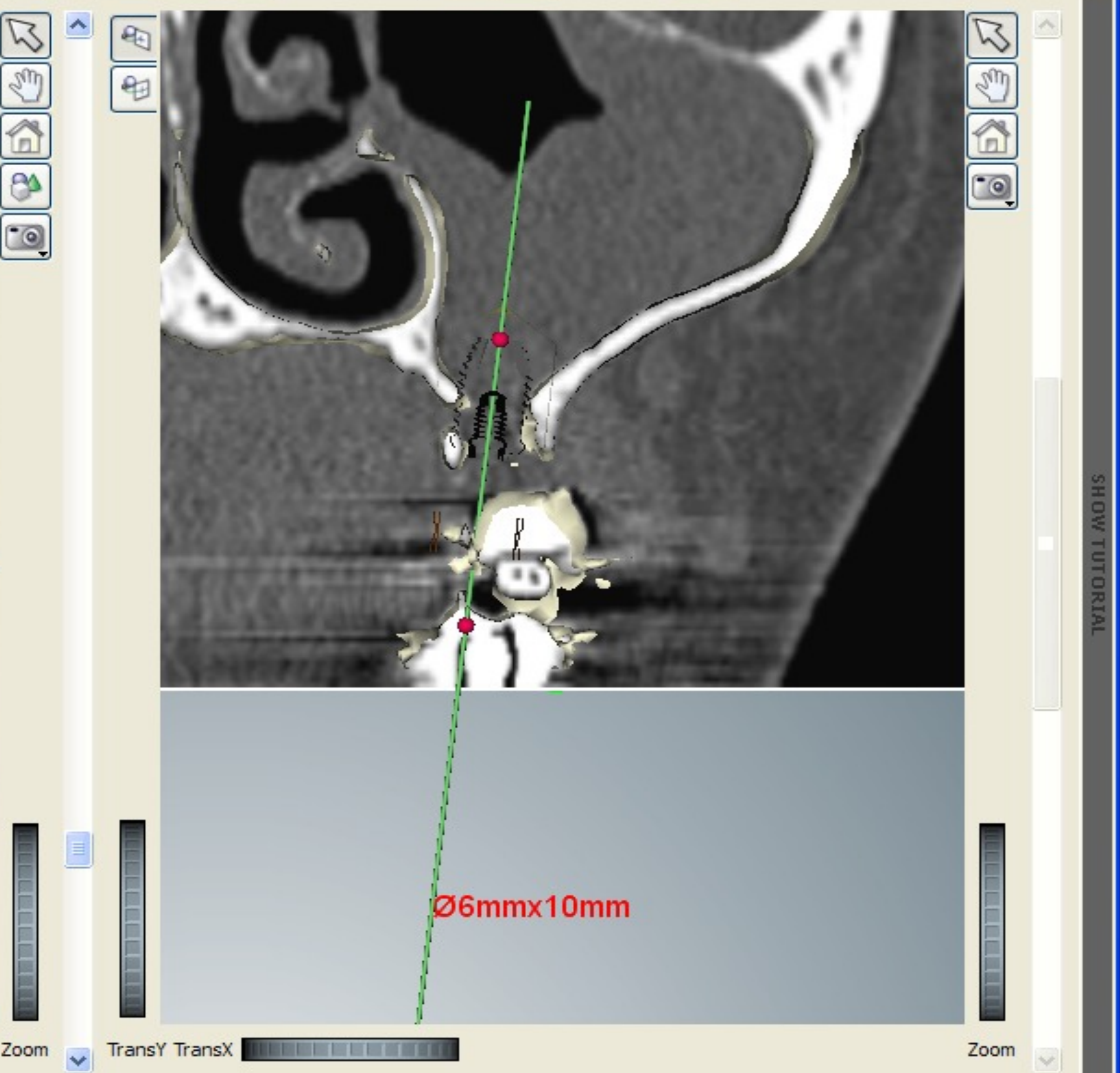
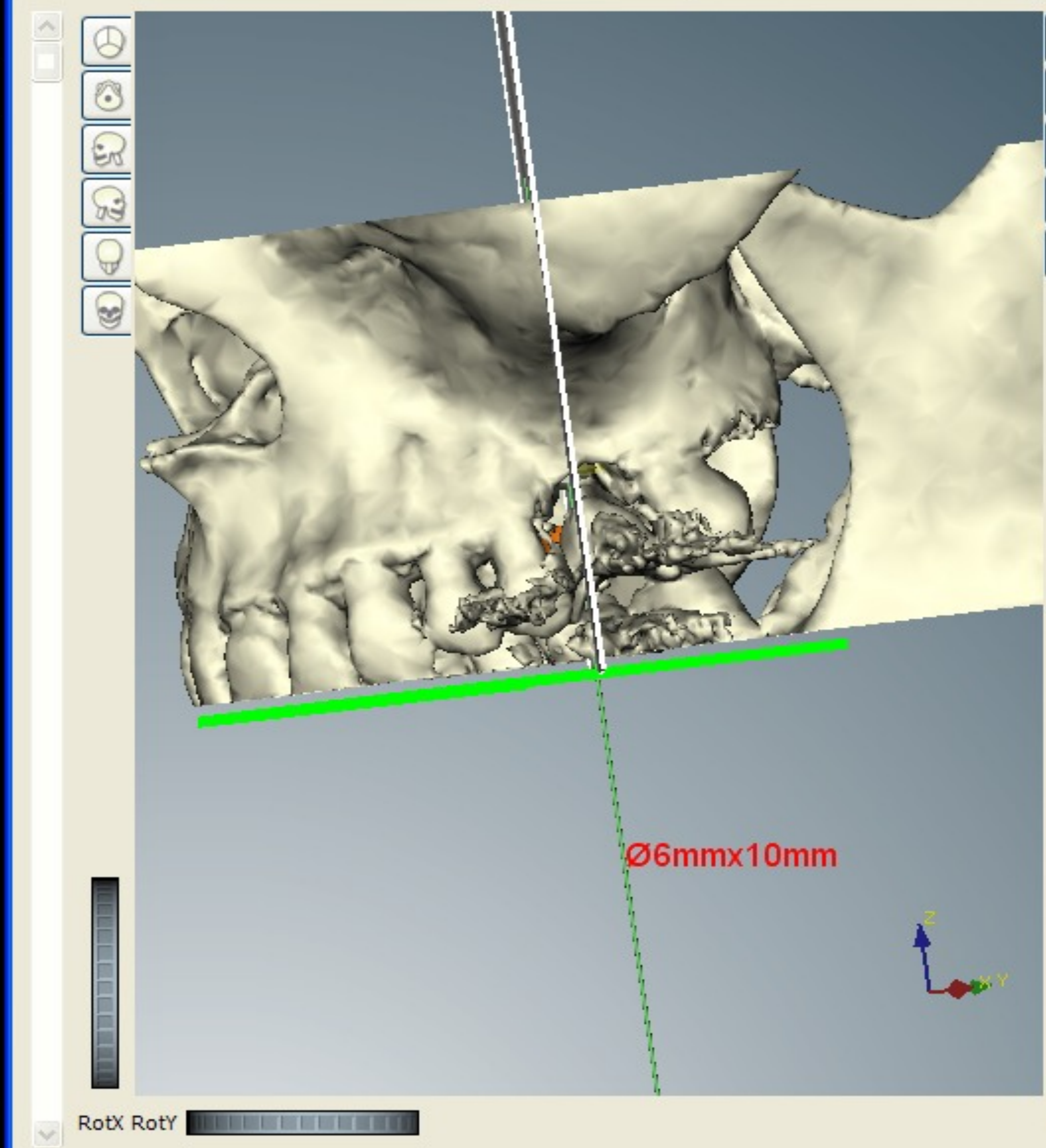
- Procera® System
- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RIV.25

Scanner Status:
No scanner connected

System Status:

Progress:





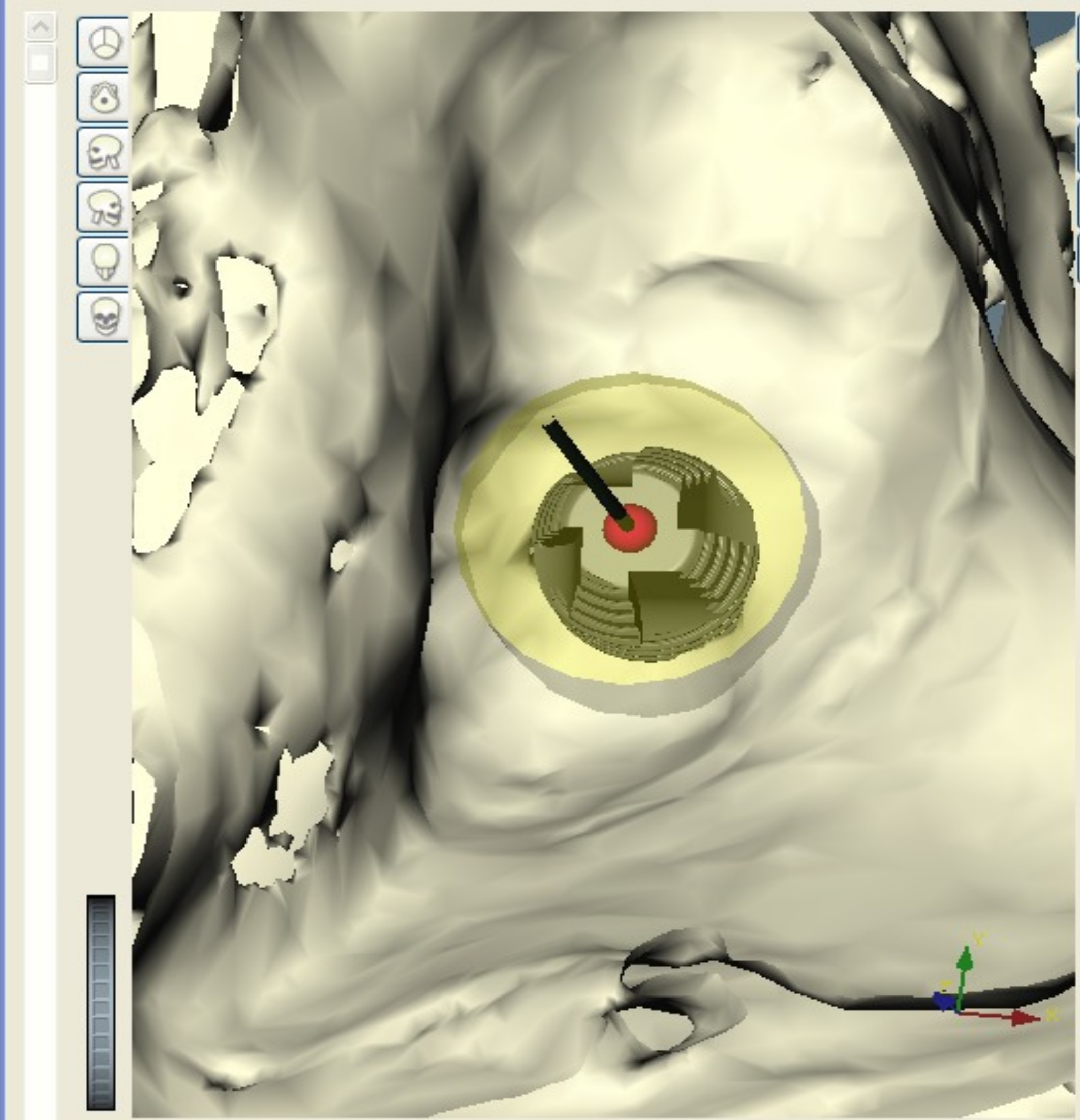
- Procera® System
- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RIV.25

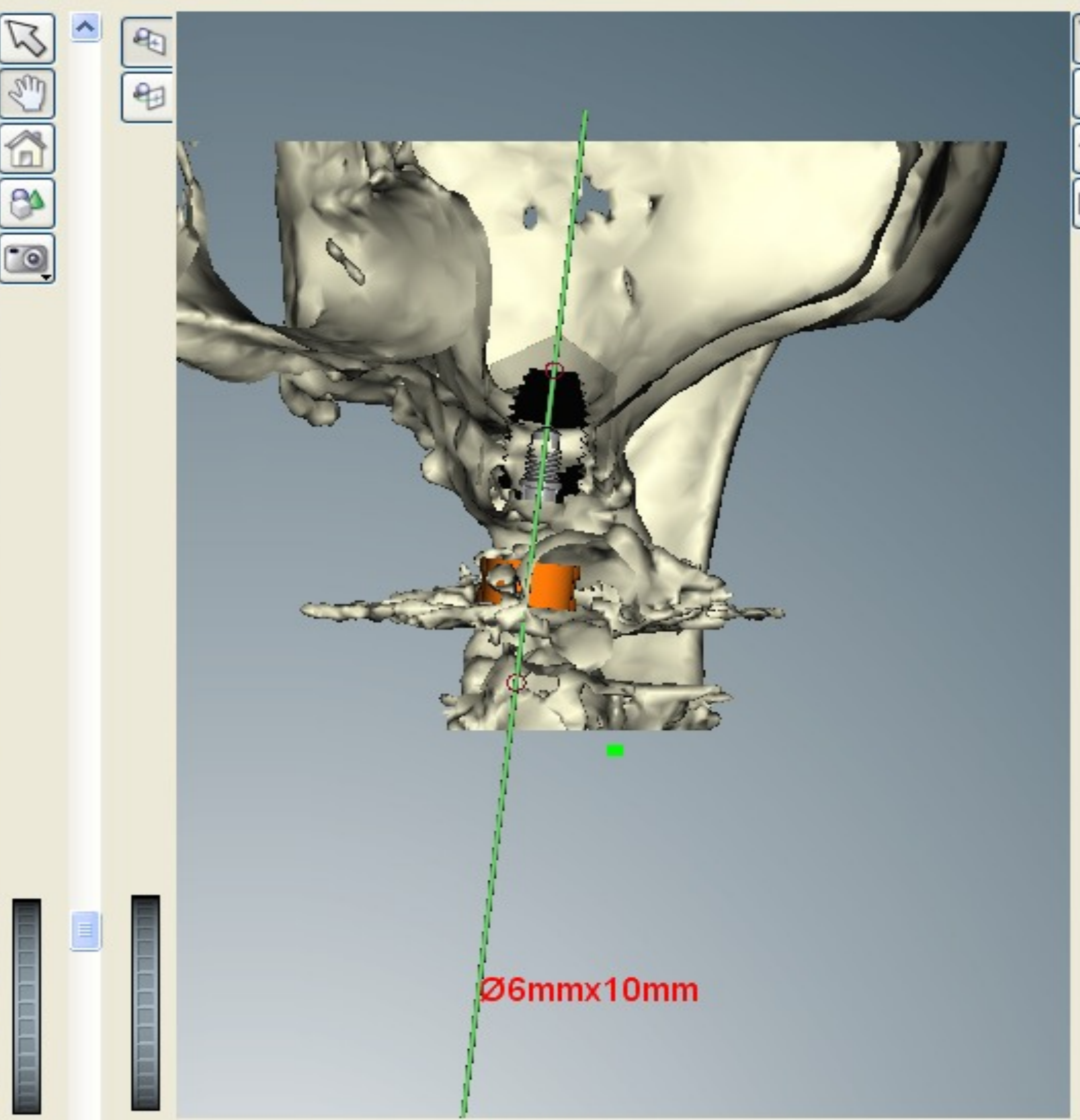
Scanner Status:
No scanner connected

System Status:

Progress:



RotX RotY Zoom



TransY TransX Zoom

Exit System



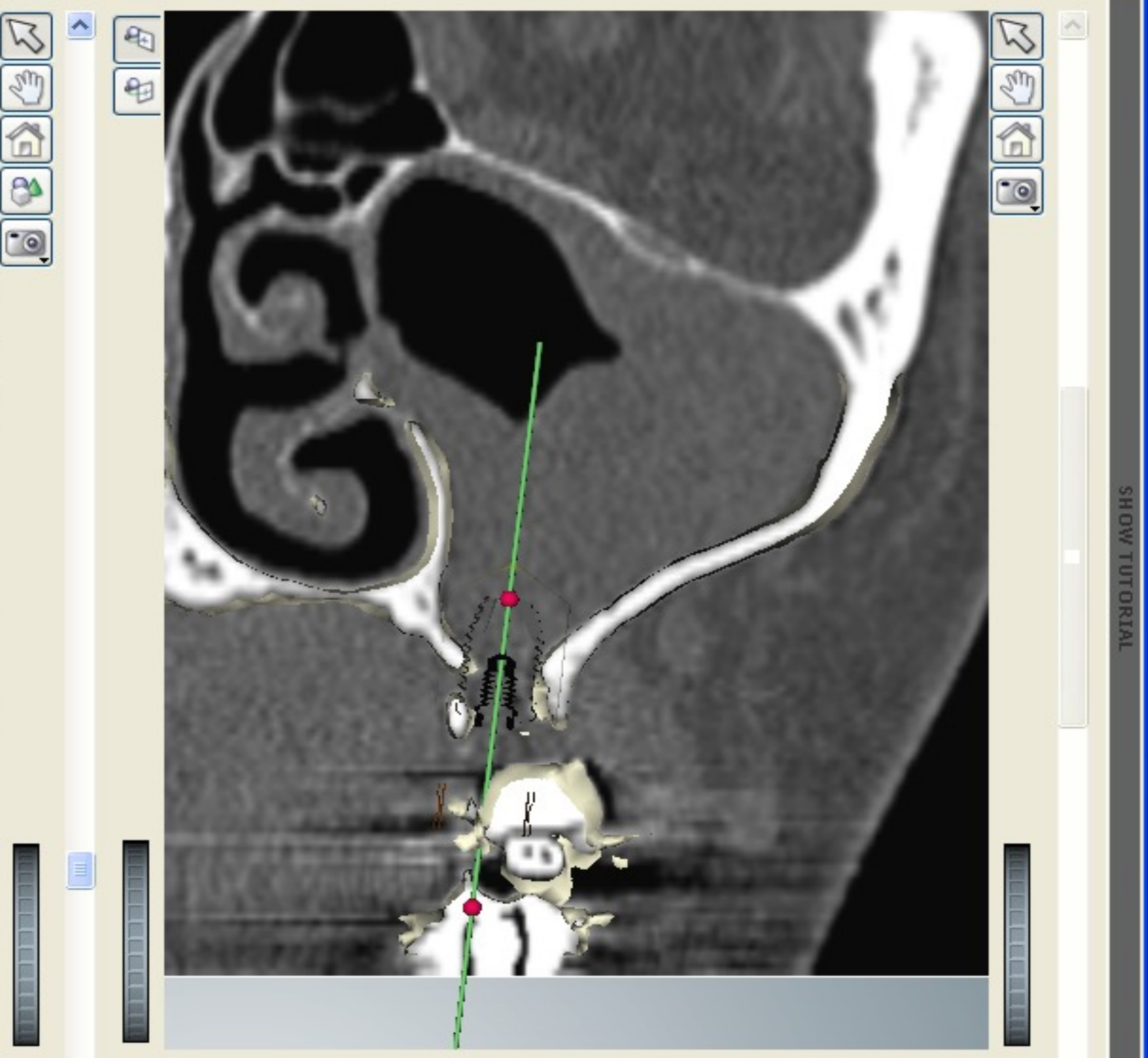
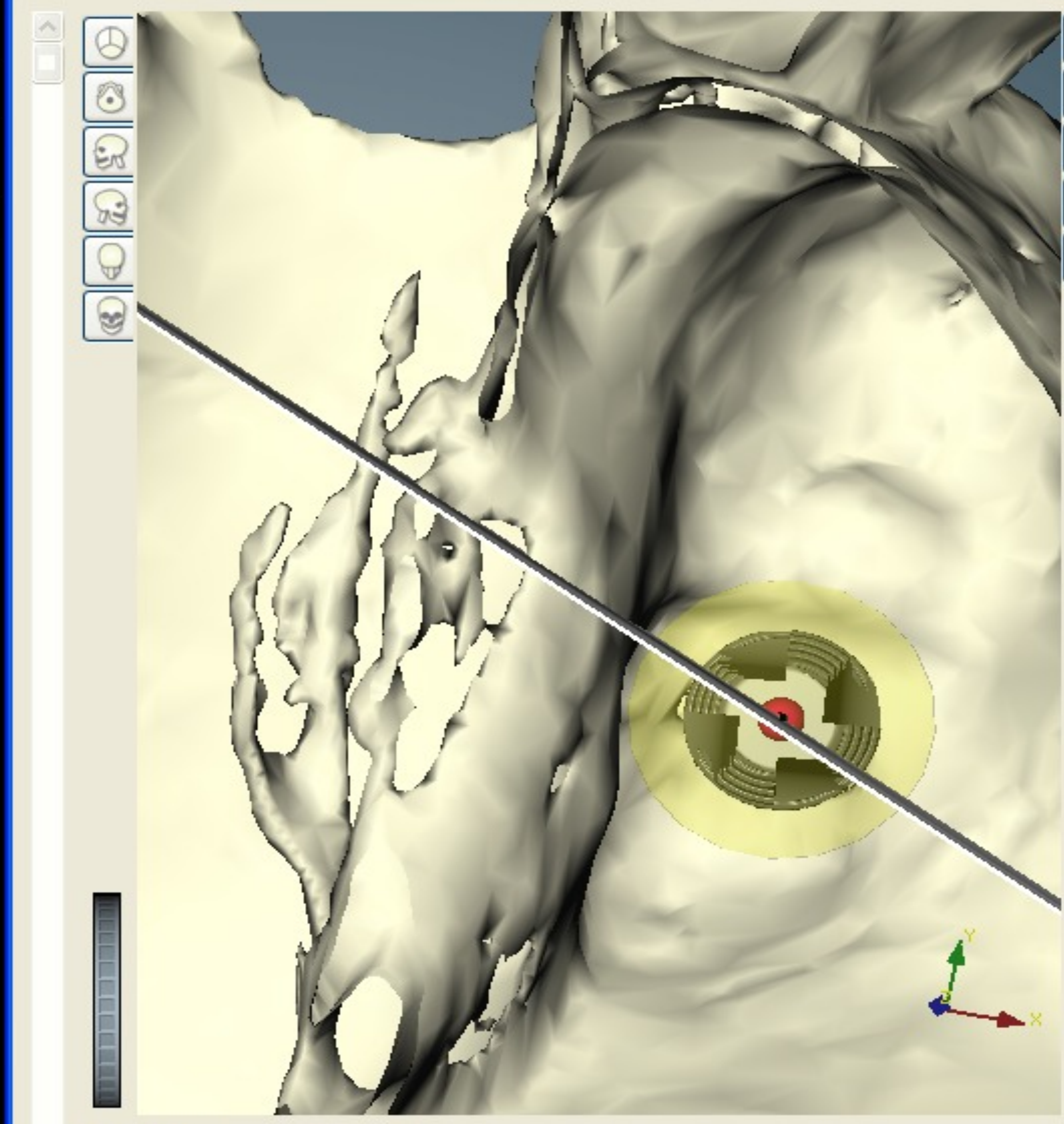
- Procera® System
- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RIV.25

Scanner Status:
No scanner connected

System Status:

Progress:



RotX RotY

Zoom TransY TransX

Exit System



Procera® System

- Online
- Order Manager
- CadDesign
- Settings

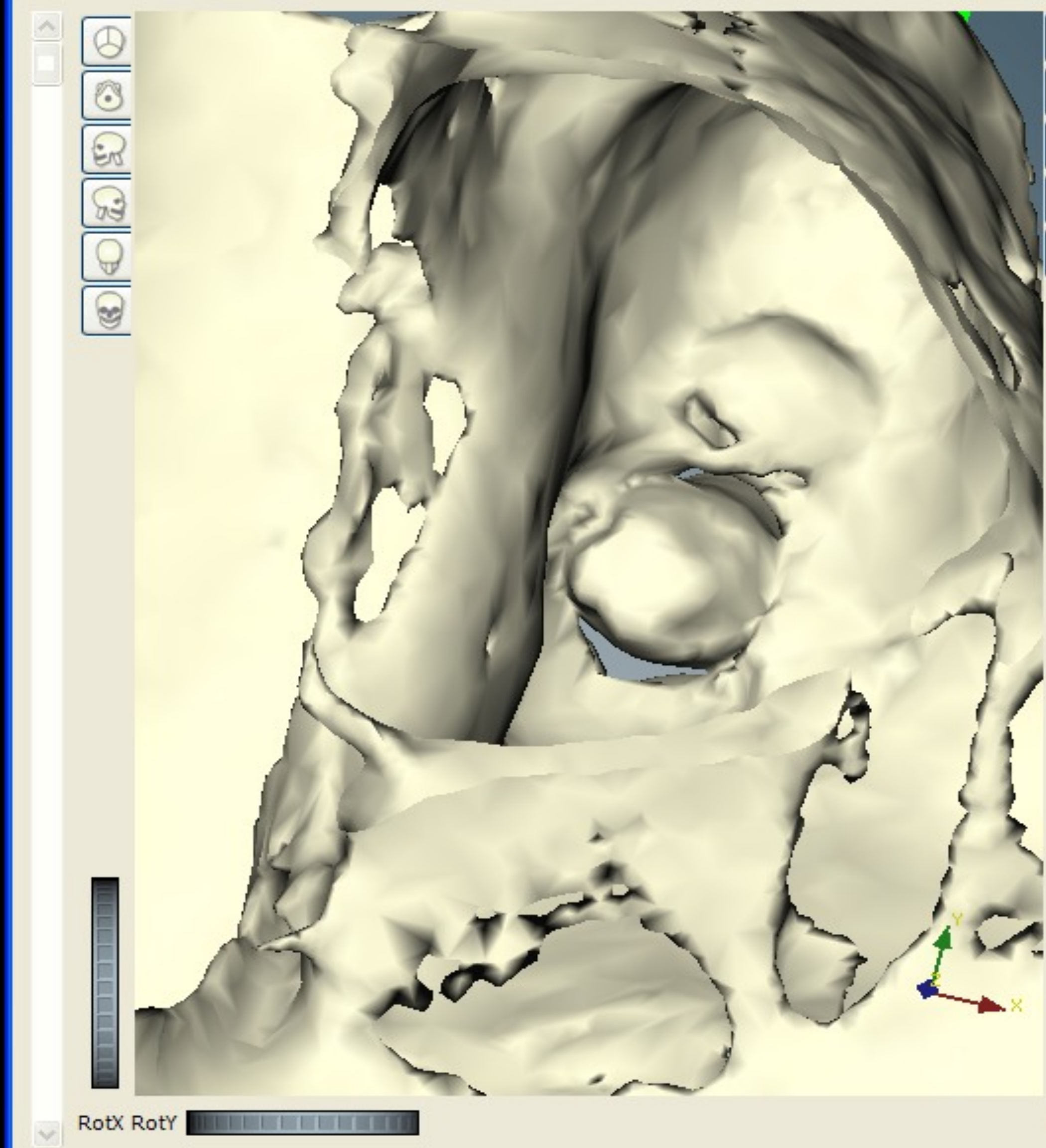
Order Status:
Open Order: RIV.25

Scanner Status:
No scanner connected

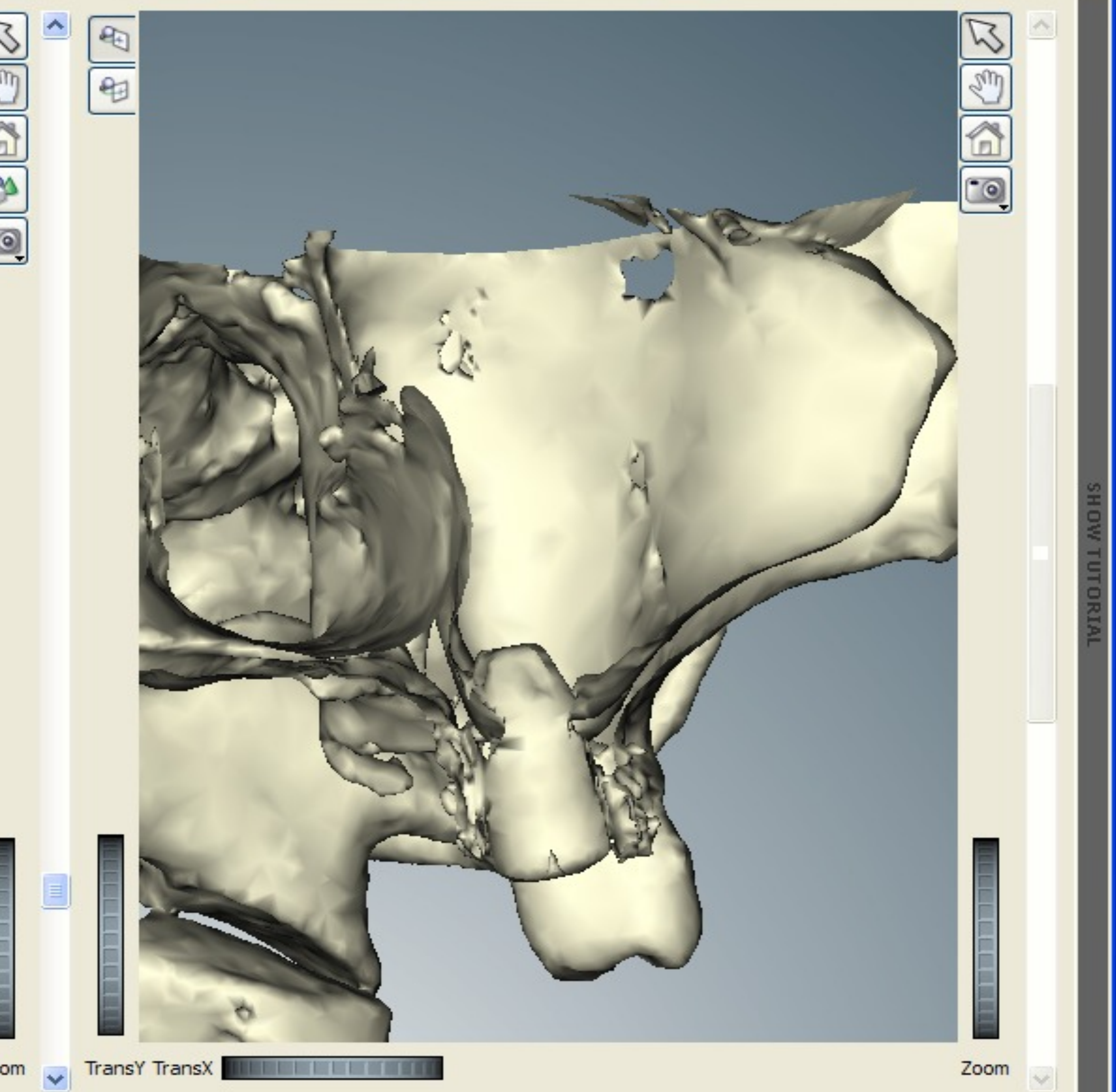
System Status:

Progress:

Exit System



RotX RotY Zoom



TransY TransX Zoom

SHOW TUTORIAL

Accueil Inse

Coller Nou diapos

Diapositives Plan

2

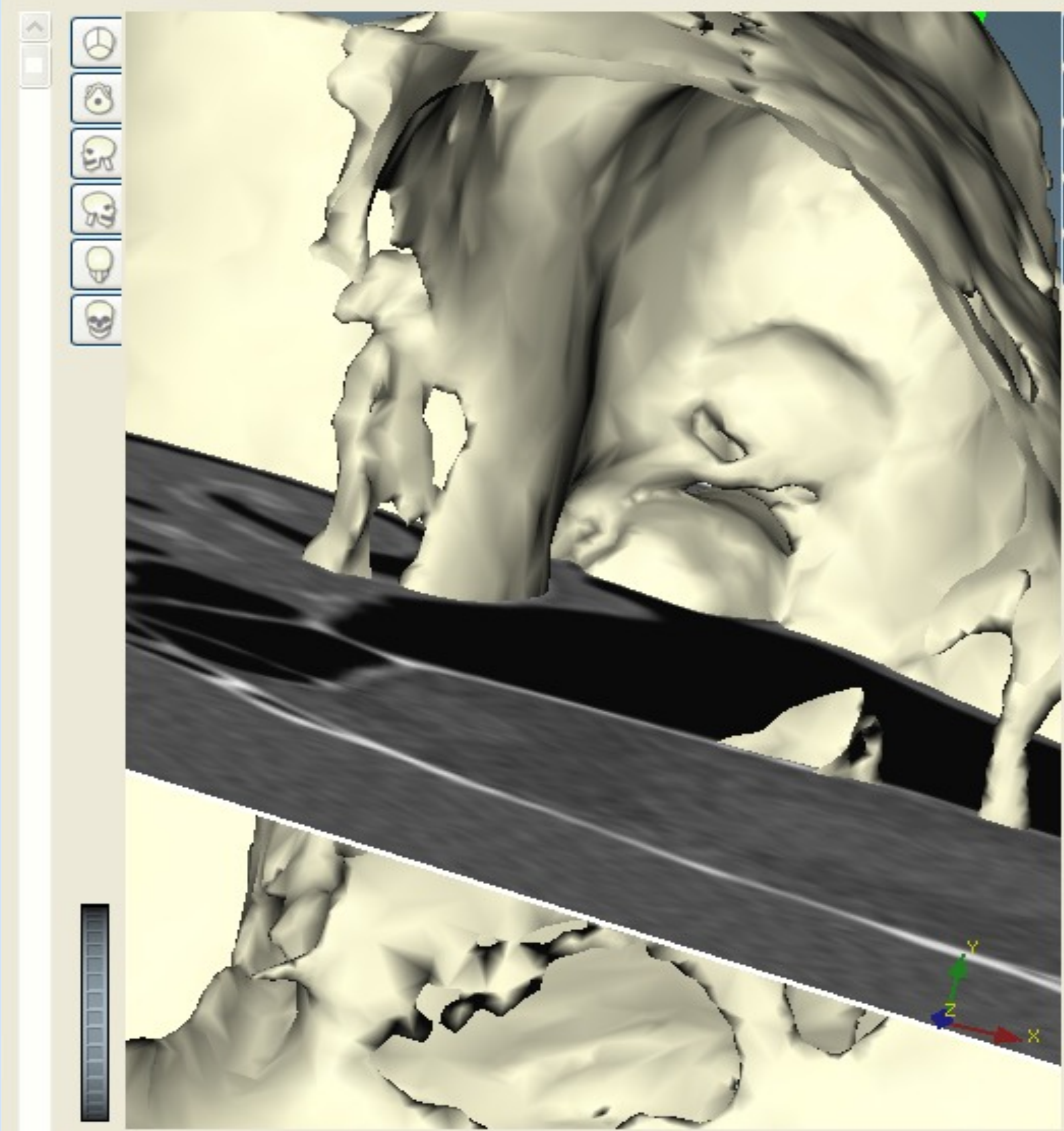
3

4

5

6

Diapositive 4 sur 9 Thè



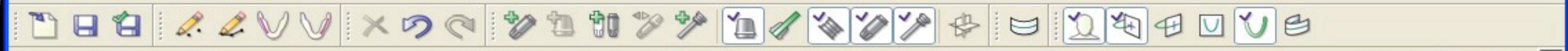
RotX RotY

Zoom



TransY TransX

Zoom



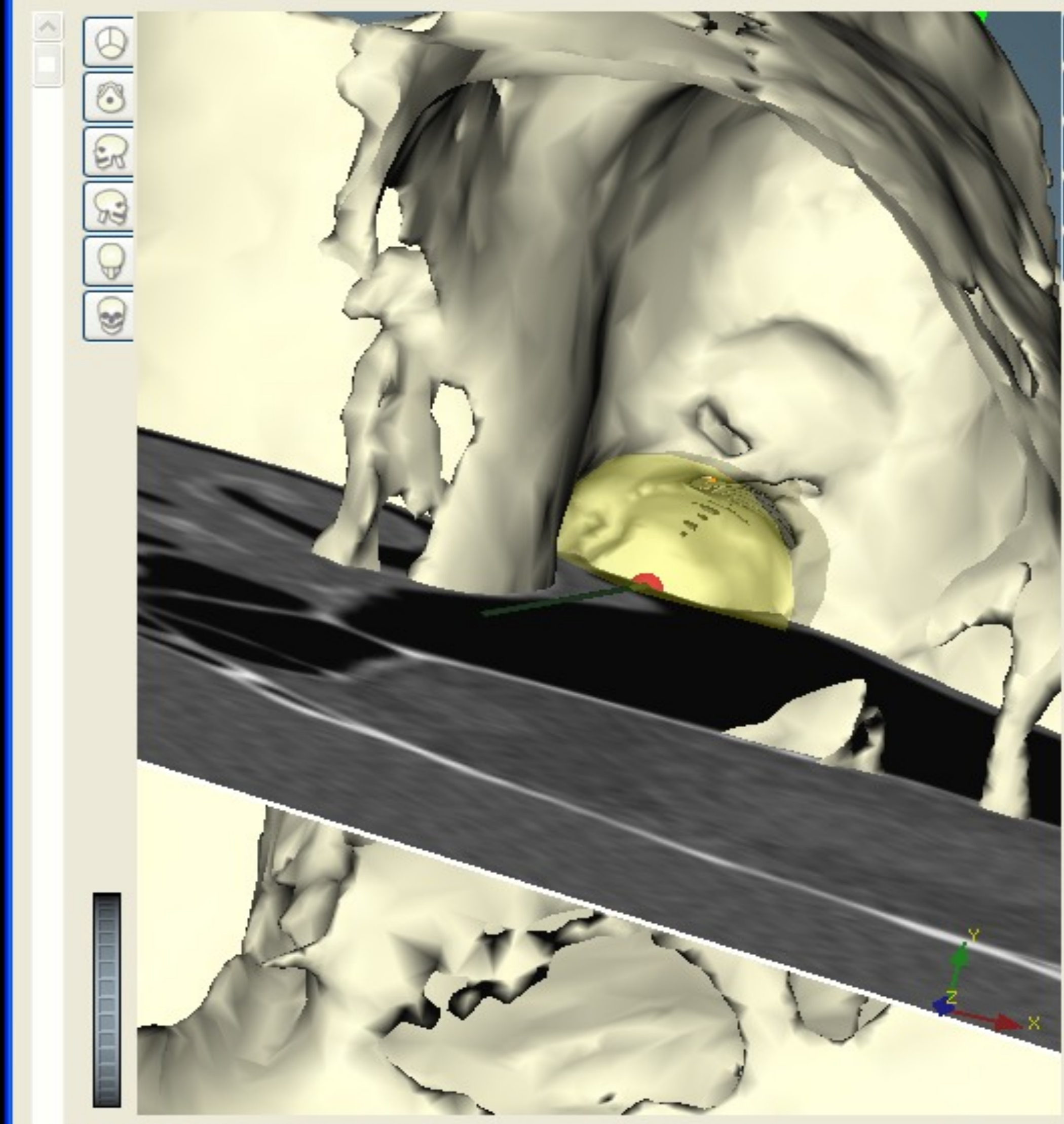
- Procera® System
- Online
- Order Manager
- CadDesign
- Settings

Order Status:
Open Order: RIV.25

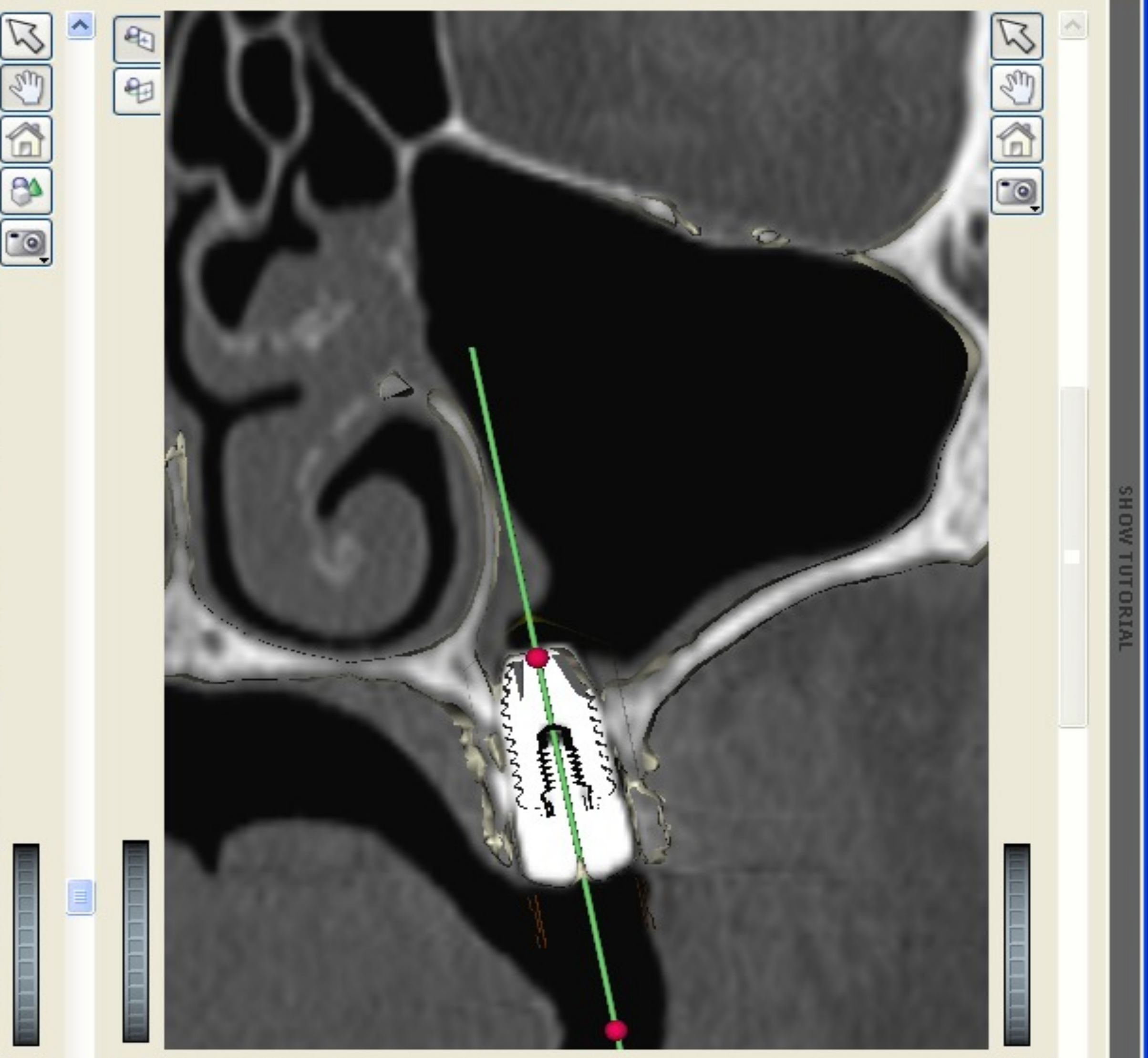
Scanner Status:
No scanner connected

System Status:

Progress:



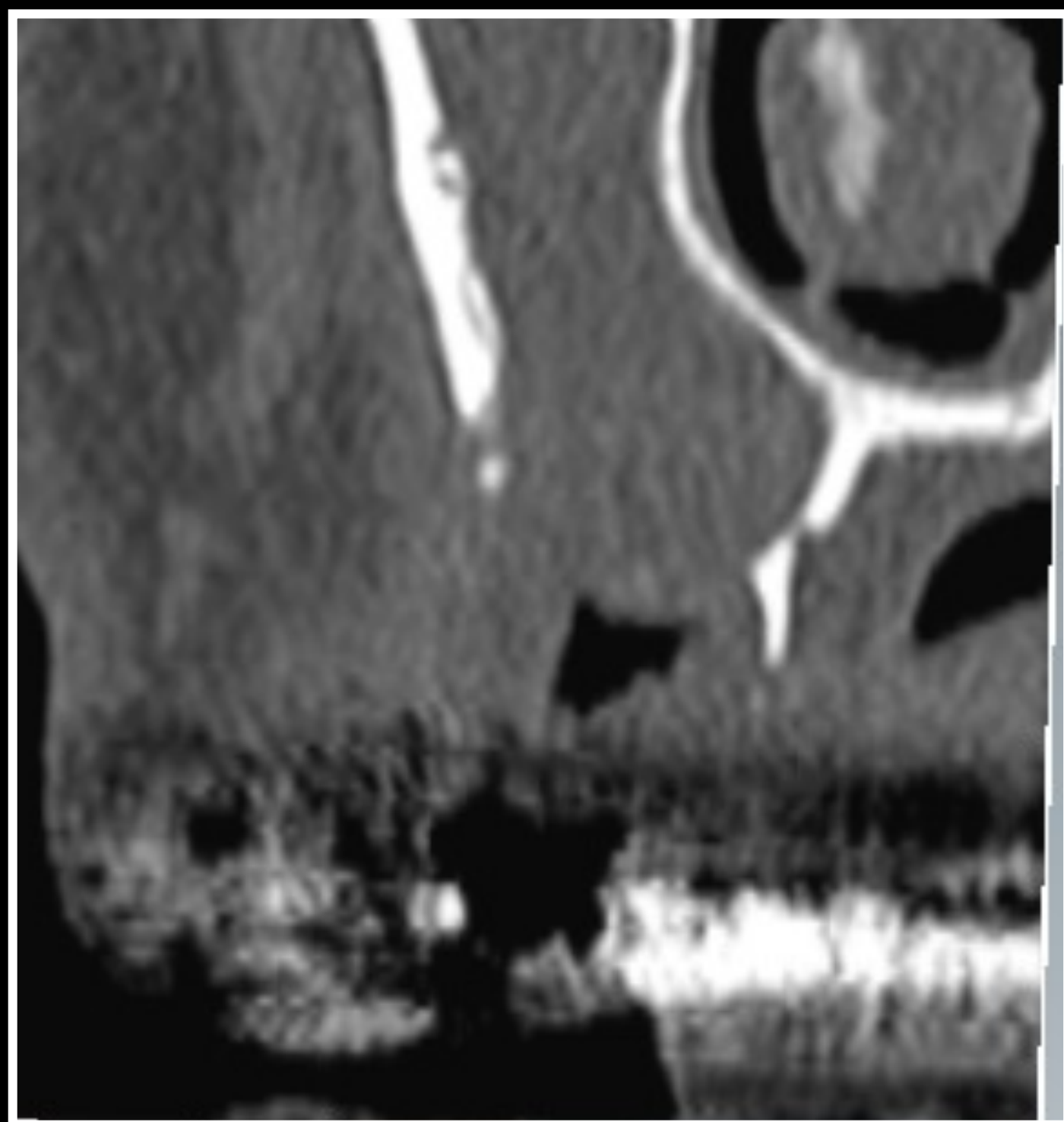
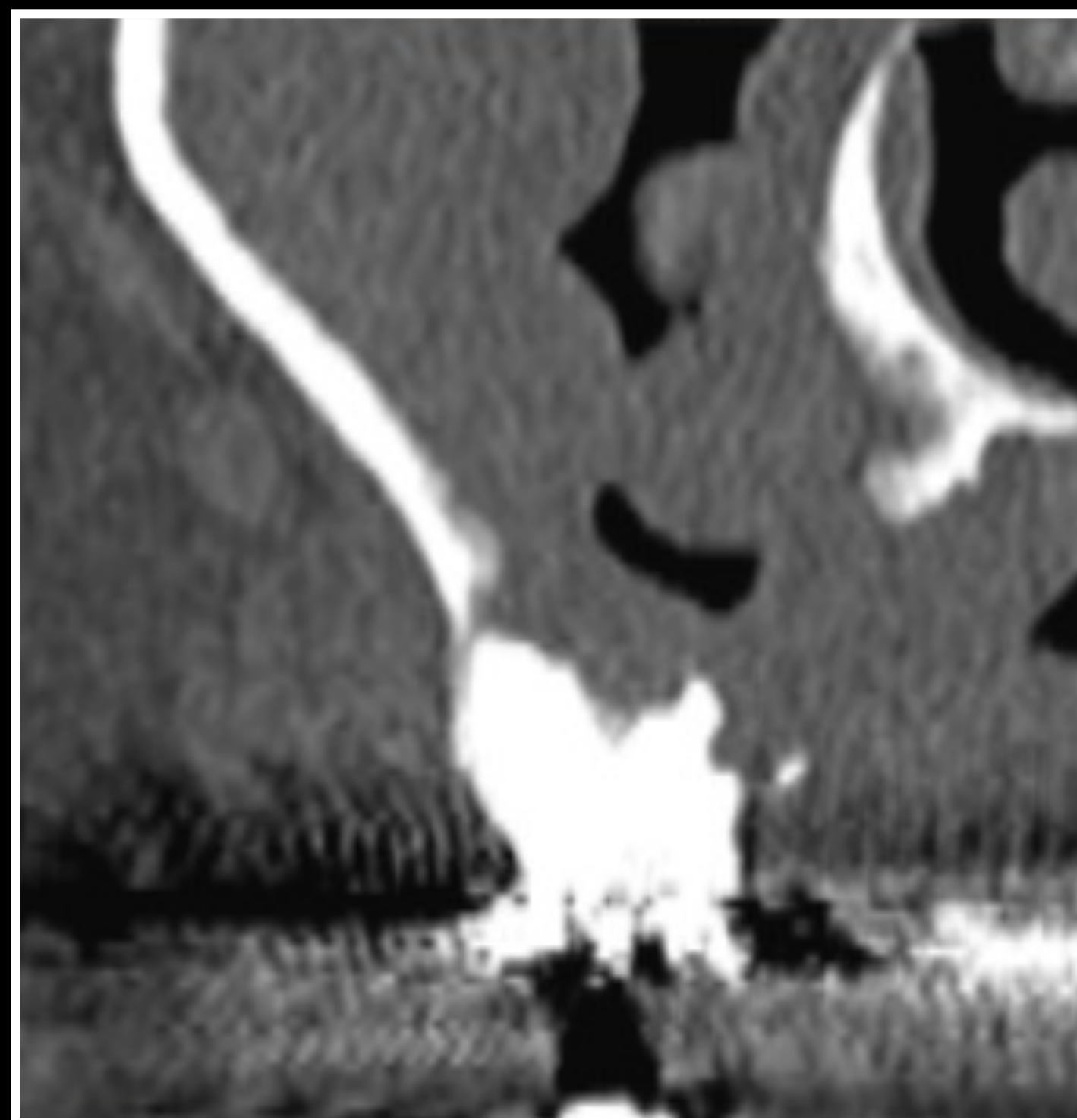
RotX RotY Zoom



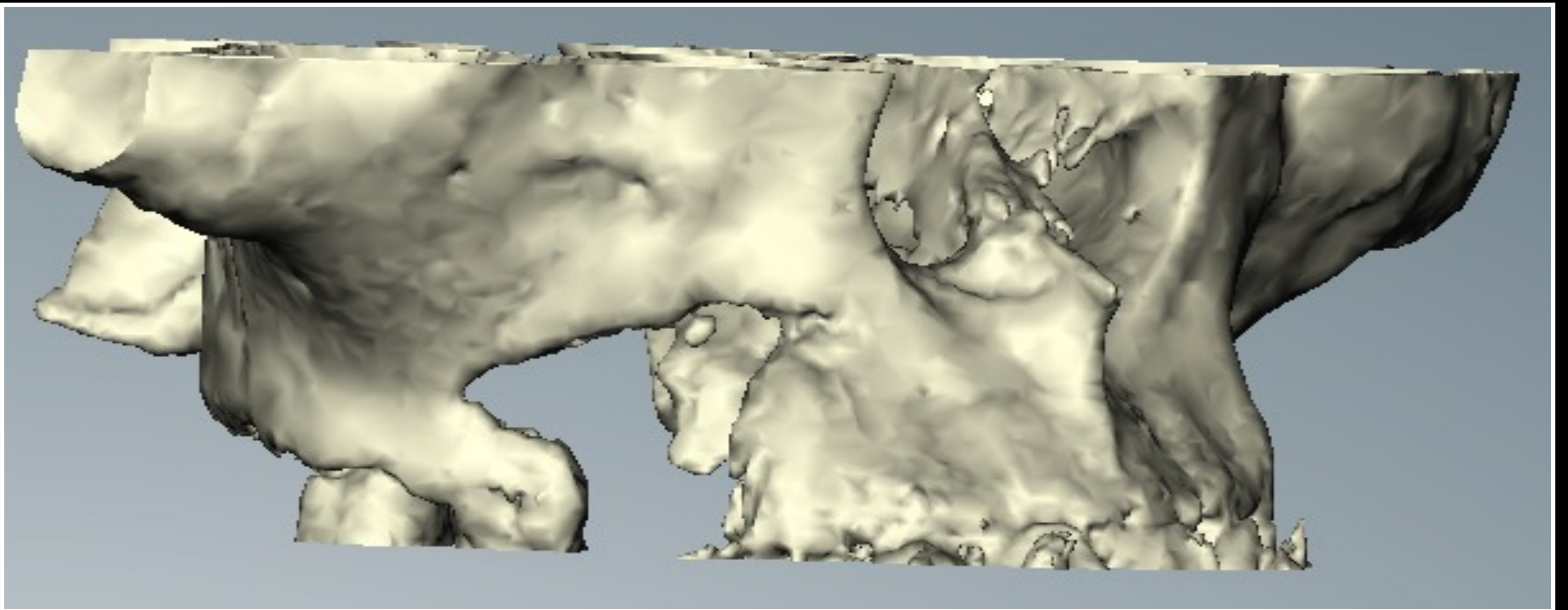
Zoom TransY TransX Zoom

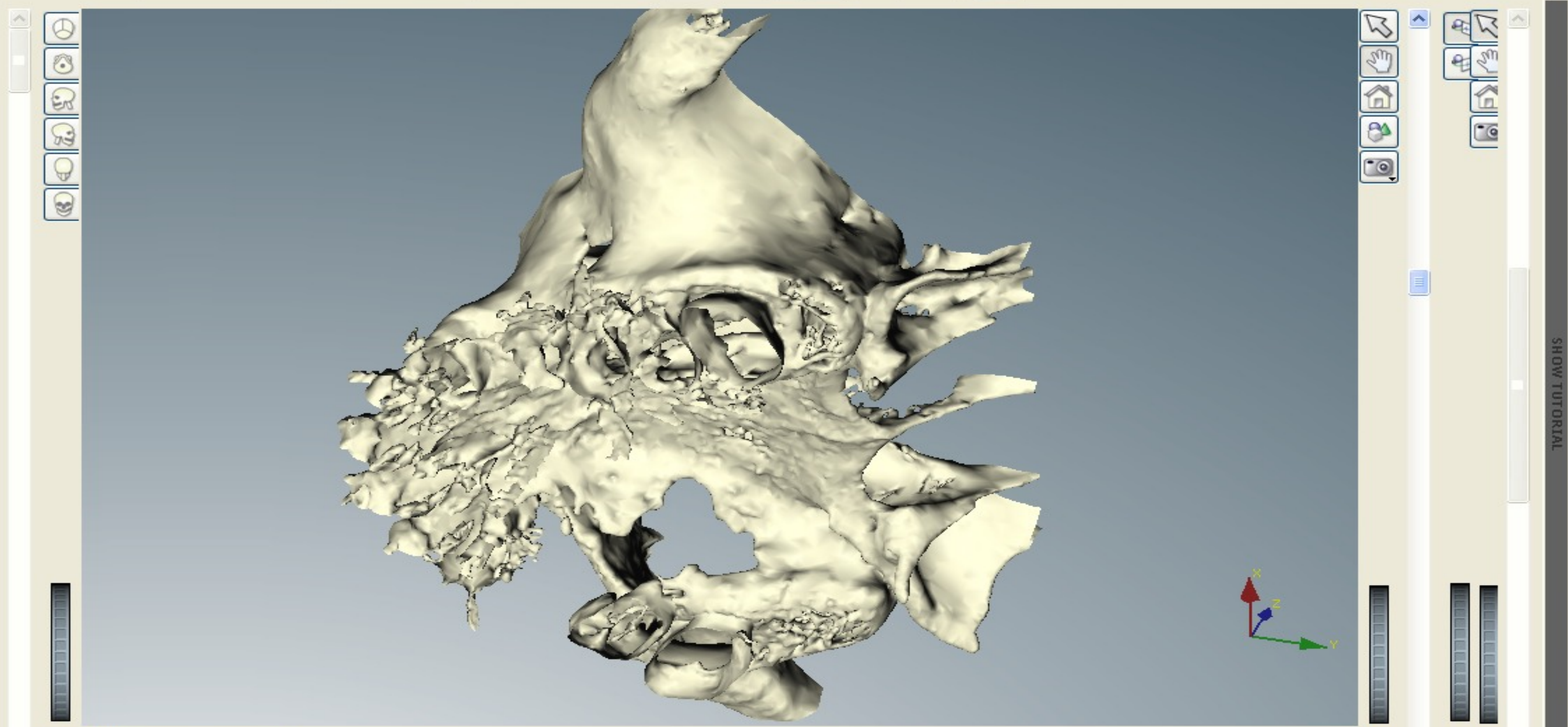
Exit System

Ce que nous voyons en 2 dimensions



Avec Clinician...





RotX RotY

Zoom Tr: sX m

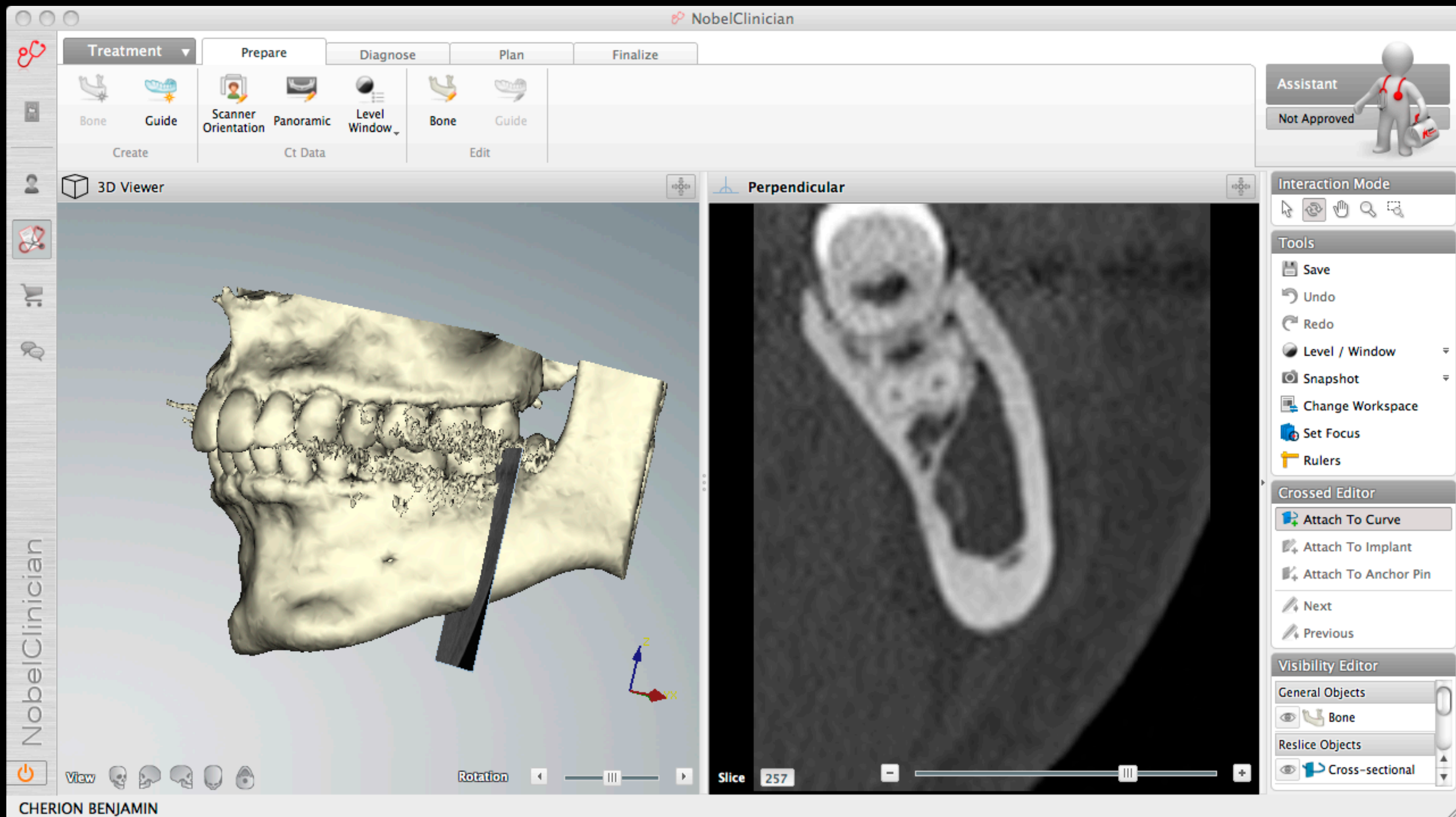
SHOW TUTORIAL











TECHNICIAN

Laboratoire
de Prothèse

Equipe
Chirurgicale

Equipe
Prothétique


CLINICIANS

NobelGuide simplifies sharing of planning information and **facilitates decision making** within the entire interdisciplinary team and the referral network.

Nobel
Connect

NobelClinician Medical Records My Practice

New Open Delete Archive Import Export Unarchive Place Online Share Remove Online Stop Sharing Edit Sharing

Assistant 

My Office All Patients

Medical Records

- All Patients
- Stored Locally
- Placed Online
- Shared With Me

Archive

- Archived Patients

Orders

- All Orders

My Practice

- Scanner Calibration

Nobel Biocare

- News
- Events

NobelClinician

Sort by Last saved

MEYER ANNABELLE	Last saved: 2012-04-10 11:09:46 Created: 2011-09-27 11:20:01
val d'isere	Last saved: 2012-04-02 17:10:46 Created: 2012-04-02 16:43:22
MATHIEU CHARPENTIER	Last saved: 2012-04-01 06:15:33 Created: 2011-01-10 12:00:23
JACQUELINE LEFRANCOIS	Last saved: 2012-03-20 16:01:41 Created: 2012-02-28 15:29:52
bernard fabbro	Last saved: 2012-03-16 11:45:52 Created: 2012-03-16 11:45:52
JEAN LOUIS MANO	Last saved: 2012-03-15 19:09:32 Created: 2011-06-15 15:57:49
BABAYEL DEME	Last saved: 2012-03-13 10:19:36 Created: 2012-01-05 19:44:58
dr pousse	Last saved: 2012-03-06 10:07:23 Created: 2012-03-06 09:46:21
Denis (test) PEREZ	Last saved: 2012-03-05 17:09:23 Placed online: 2010-12-11 07:35:55
NOUBREDINE AMEUR	

Search

DEME BABAYEL

General

Created by: Michael Corcos
Date Modified: 2012-03-13 10:19:36
Status: Stored locally

Patient Details

Home address:
Mobile number:
Home number:
E-mail address (home):
Date of birth: 1937-11-11
Gender: Male

Planning Overview

- Lower Jaw
- deme berdugo corcos Created by: Michael Corcos Date Modified: 2012-03-13 10:19:36
- New Planning Created by: Michael Corcos Date Modified: 2012-03-06 15:00:00

No Orders

Messenger pro

Mes services

Messages 3% de 10 Go

Chercher un email ...

- Boîte de réception (945)
- Éléments envoyés
- Brouillons (3)
- Indésirables (1) Vider
- Corbeille Vider
- Mes dossiers Ajouter

Applications

Contacts les plus utilisés

Chercher un contact ...

- CORCOS Michaël
- pmissika
- thierry

Calendrier

Messagerie pro basique

Ouvrir # cette page

Accueil **Boîte de réception (945)** (pas d'objet) SYMPOSIUM NOBEL BIOCARE 201...

Ecrire Envoyer des fichiers Ouvrir Répondre Rép. à tous Transférer Déplacer Indésirable Supprimer Imprimer Autres

Boîte de réception messages 1 à 50 sur 963

	de	objet	date	taille
	do_not_reply@nobelbioc...	NobelClinician Viewer file available for download	lun. 28/05/2012 22:49	3 Ko
	kathleen.colas@nobelbiocare...	(pas d'objet)	lun. 28/05/2012 22:40	5 Ko
	cderostand@venteprivee...	Rosedéal ESPACE PAYOT PARIS : soins en institut et produits cosmétiques, une offre exceptionnelle dès mardi 29 mai 7h	lun. 28/05/2012 21:51	15 Ko
	Nobel Biocare	Votre mot de passe Nobel Biocare	lun. 28/05/2012 20:50	2 Ko
	PriceMinister Mode&Acc...	Hilfiger, Casio, Deeluxe... Michael, découvrez votre sélection mode de la semaine a prix réduits	lun. 28/05/2012 14:25	54 Ko
	cohen edmond	Tr : tr: FW: Bon à savoir officiel gendarmerie]]	lun. 28/05/2012 10:47	168 ...
	cderostand@venteprivee...	maje, Kenzo, Façonnable, Jardin d'Ulysse, Nina Ricci lingerie et bain, Belambra Clubs, Ogier grands vins du Rhône et DC Shoes mardi 29 ...	lun. 28/05/2012 10:19	57 Ko
	STADE HEBERT	J - 3 pour la Fête des voisins-riverains-utilisateurs du stade Hébert	lun. 28/05/2012 09:47	33 Ko
	Pret d Union	decouvrez un nouveau credit inedit en France	lun. 28/05/2012 04:24	22 Ko
	Pr. P. Missika	livre cas complexes	dim. 27/05/2012 18:58	41 Ko
	PriceMinister HighTech	Camera GoPro HD HERO 2 et Chaîne HiFi JVC a prix canons	dim. 27/05/2012 13:32	51 Ko
	cderostand@venteprivee...	Jabra, Les Néréides, Aigle, Pourchet, Tartine et Chocolat, Maildor loisirs créatifs, Robusta et Modalo® lundi 28 mai chez vente-privee.com	dim. 27/05/2012 13:10	56 Ko
	cohen edmond	Tr : tr: FW: Radar de feu.....législation en vigueur (2012)	dim. 27/05/2012 12:19	4 Mo
	cohen edmond	Tr : tr: FW: Le sondage paru dans le Figaro	dim. 27/05/2012 12:08	8 Ko
	iTunes Store	Votre reçu No 129033988115	dim. 27/05/2012 10:09	24 Ko
	Amazon.fr - Jeux et jouets	Nerf : 2 jouets achetés = 1 remboursé	dim. 27/05/2012 02:59	86 Ko
	cohen edmond	Tr : Fwd: Fwd: Article d'un journal espagnol	sam. 26/05/2012 17:30	155 ...
	GO Voyages	Vacances famille a petits prix.	sam. 26/05/2012 16:04	83 Ko
	cohen edmond	Tr : Réglementation européenne	sam. 26/05/2012 15:01	8 Ko
	cderostand@venteprivee...	Calvin Klein, Desjoux Piscines, Salsa, Iomega, Cakewalk, Redgreen, Minibel, Fosco et Du Pareil...au même dimanche 27 mai chez vente...	sam. 26/05/2012 15:01	60 Ko
	PriceMinister	15 euros offerts sans minimum d'achat avec 1euro.com	sam. 26/05/2012 13:42	59 Ko
	Nike.com	Des styles qui s'inspirent de la course à pied mais qui vont bien au delà	sam. 26/05/2012 09:05	59 Ko
	Ventealapropriete.com p...	Les meilleurs vins aux meilleurs prix	sam. 26/05/2012 07:41	17 Ko
	Services.internet	Facturation Mensuelle :	sam. 26/05/2012 06:08	5 Ko

Agenda du jour Pas d'événement le lundi 28 mai 2012



US Dept of State-Geographer
© 2012 Google
© 2009 GeoBasis-DE/BKG
© 2012 MapLink/Tele Atlas

44°54'44.63"N 13°20'10.25"O elev.-4486 m

Google earth

Altitude 12872.79 km

@



Nobel Clinician



Nobel Clinician Viewer

Viewer ▾ Diagnose Inspect Planning

Point Line Distance Angle HU Value Implant angle Level Window Color Mapping

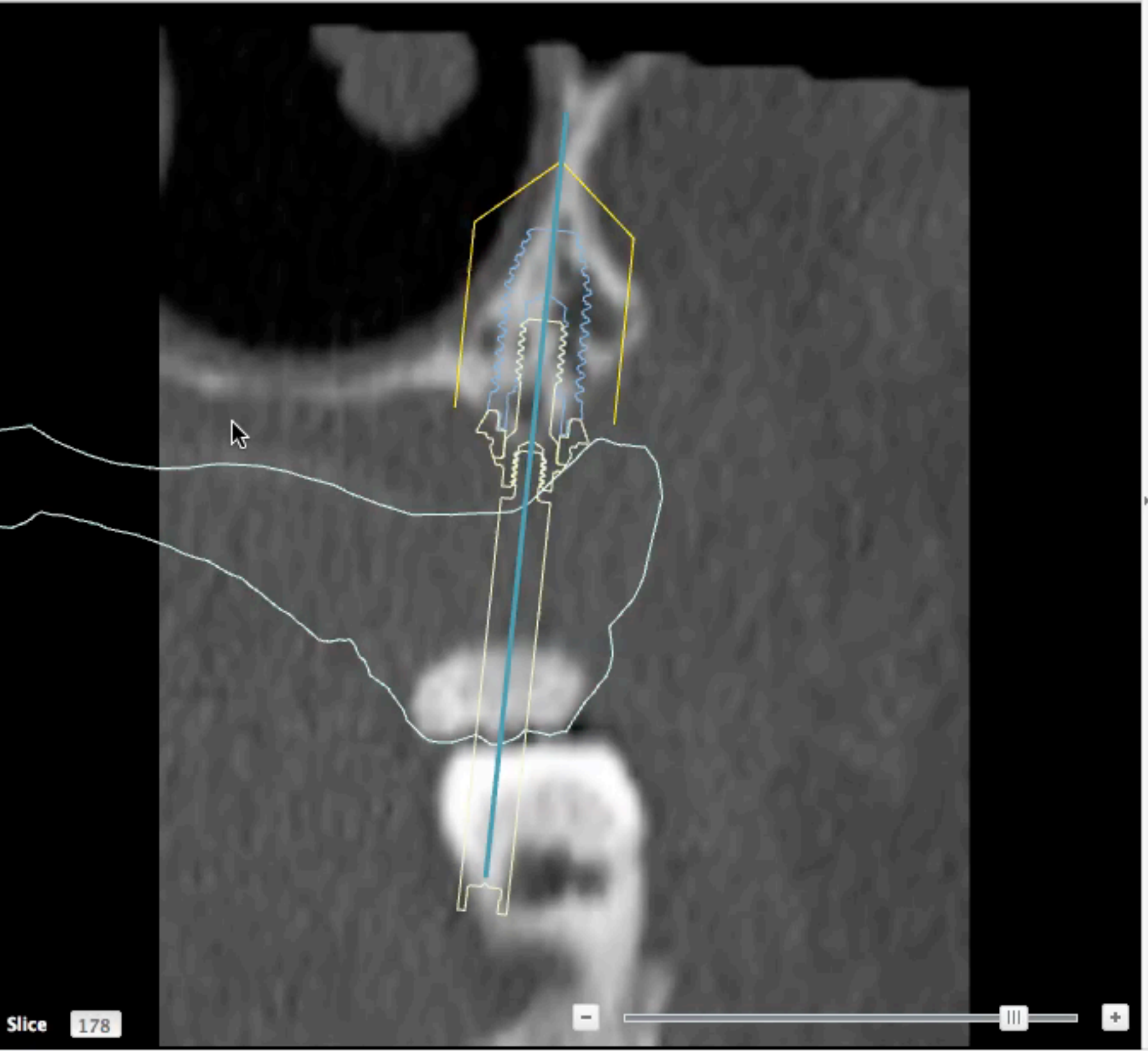
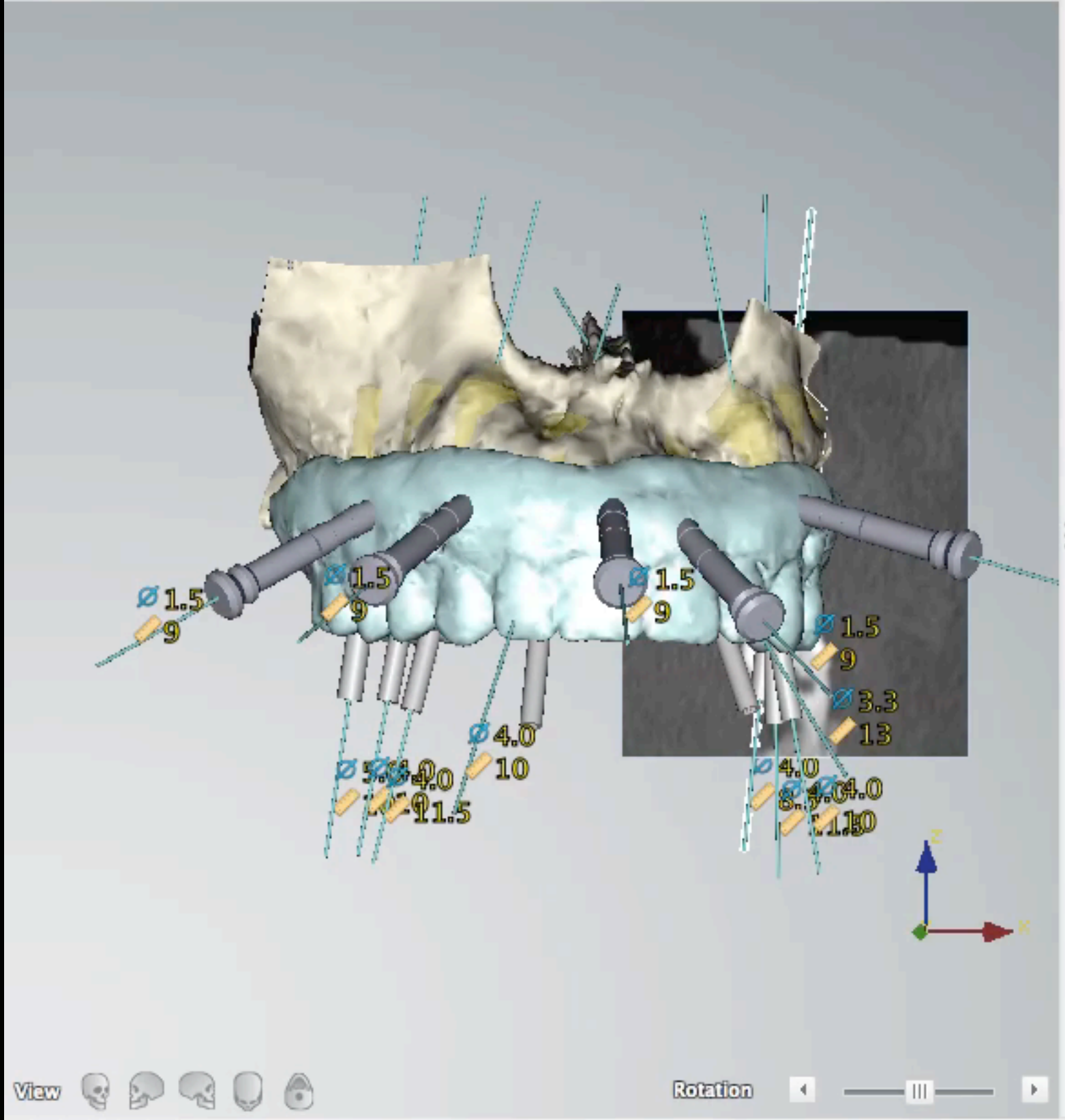
Annotations Measurements Ct Data

Assistant 

Warnings (1)

3D Viewer

Perpendicular



Interaction Mode 

Tools

- Level / Window ▾
- Undo
- Redo
- Snapshot ▾
- Set Focus

Visibility Editor

General Objects

- Bone

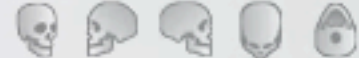
Radiographic Guide

Planning Objects

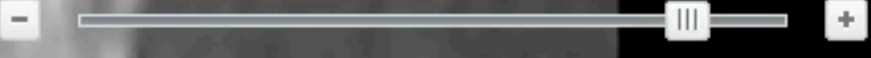
- Implants (8)
- Anchor Pins (5)
- Abutments (8)
- Sleeves (13)
- Screw Axis (8)

Reslice Objects

- Cross-sectional
- Axial
- Sagittal
- Coronal
- Panoramic

View 

Rotation 

Slice 178 

DEME BABAYEL Implant 8 NobelSpeedy Groovy RP 4x8.5 mm Multi-unit Abutment Brånemark System RP 1 mm

Nobel Clinician

Bibliothèque implantaire

NobelClinician | **Medical Records** | **My Practice**

New
 Open
 Delete
 Store Online
 Share
 Remove Online
 Stop Sharing
 Edit Sharing

Medical Record Collaboration

Assistant

My Office All Patients

Medical Records

- All Patients
- Placed Online
- Shared With Me

Orders

- All Orders

My Practice

- Scanner Calibration

Nobel Biocare

- News
- Events

NobelClinician

- PEREZ Denis (test)**
 Last saved: 2010-12-11 07:57:23
 Created by: Michael Corcos
- PEREZ DENIS**
 Last saved: 2010-12-10 23:28:52
 Created by: Michael Corcos
- PEREZ DENIS**
 Last saved: 2010-12-10 23:27:24
 Created by: Michael Corcos
- DRAGOMIRESCU DIANA**
 Last saved: 2010-12-10 23:24:00
 Created by: Michael Corcos
- BOUGHEZAL LAHOUARI**
 Last saved: 2010-12-07 17:07:04
 Created by: Michael Corcos
- DUTRIEU XAVIER**
 Last saved: 2010-12-07 09:51:55
 Created by: Michael Corcos
- WEYMERS Robert**
 Last saved: 2010-12-01 23:32:32
 Created by: Michael Corcos
- WEYMERS Robert**
 Last saved: 2010-12-01 16:24:16
 Created by: Michael Corcos
- DENIS PEREZ**
 Last saved: 2010-12-01 14:20:48
 Placed online: 2010-12-01 14:20:48

Select Contacts *Not Details Available*

Edit Sharing
Change people to share the patient with

Contacts		To
Pieter Jespers		Pieter Jespers
Filip Schutyser	Add >	Filip Schutyser
Marianne Barouk	< Remove	Marianne Barouk

Legal Disclaimer

I am aware that I need the patient's approval for sharing patient data. I herewith confirm that I have the patient's approval for sharing the data.

I have read and agree to all the above.

Share Cancel

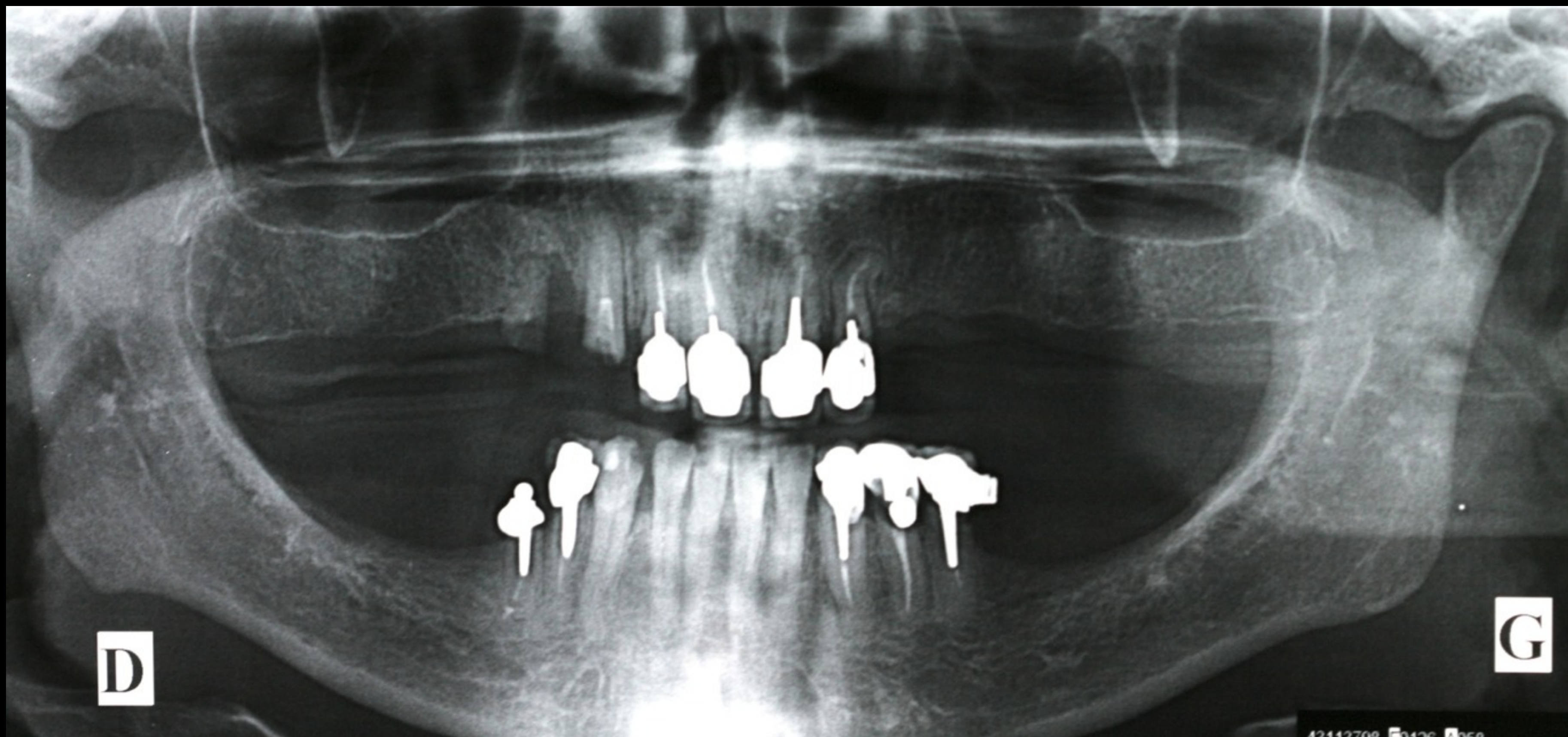
SIMPLANT

Examen endobuccal





Examens radiographiques

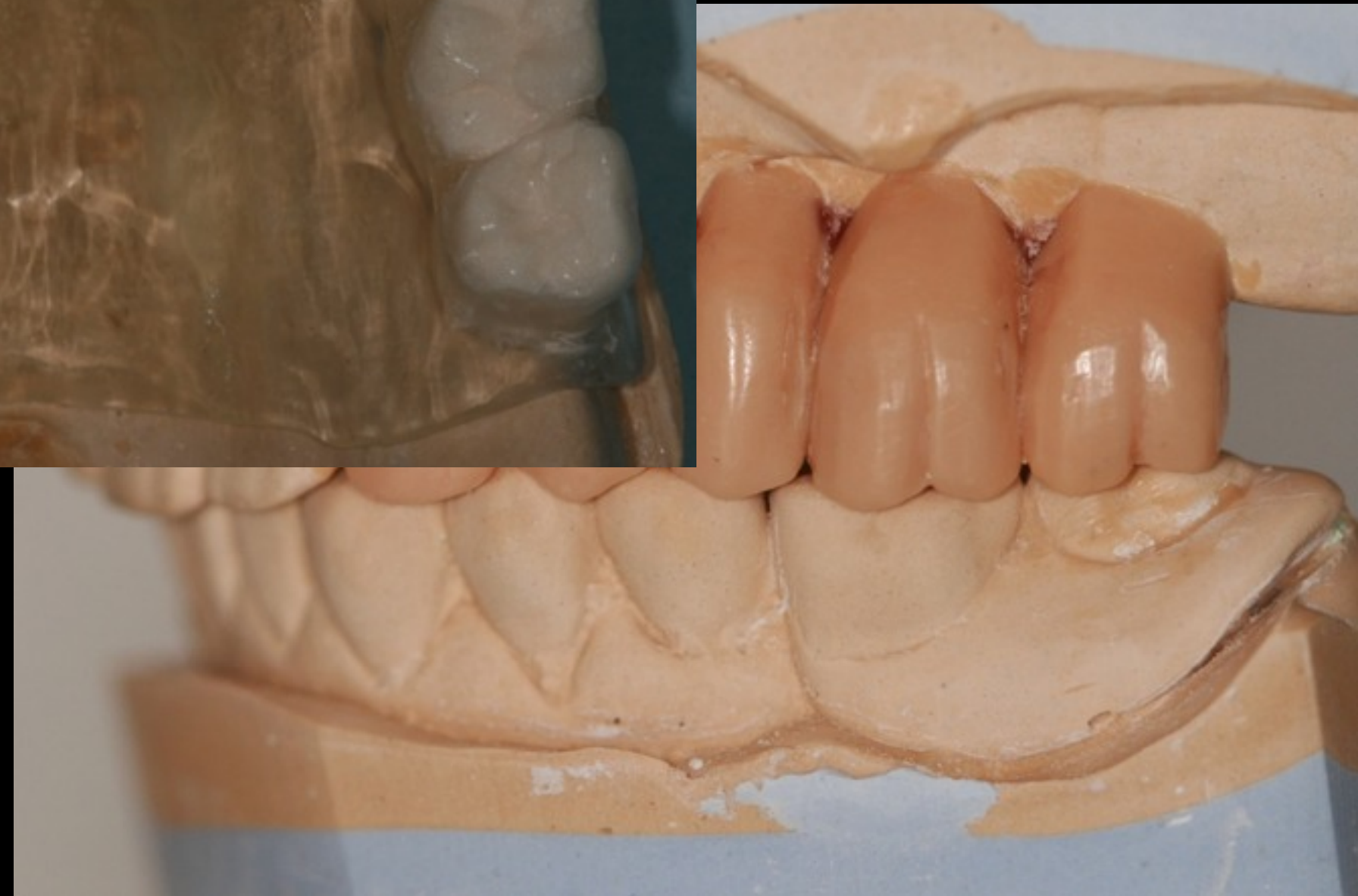


Montage sur articulateur



Réalisation d'un Wax up

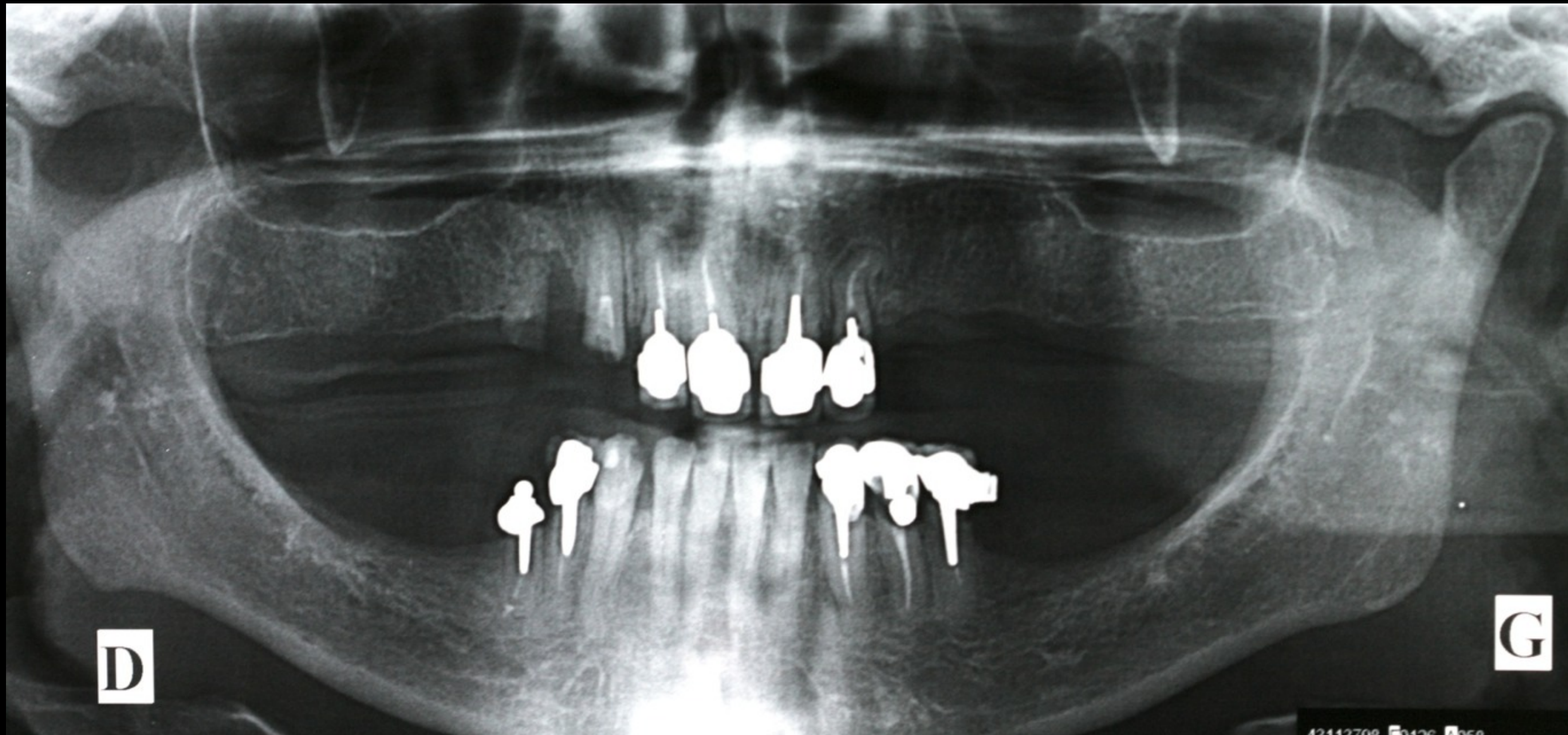




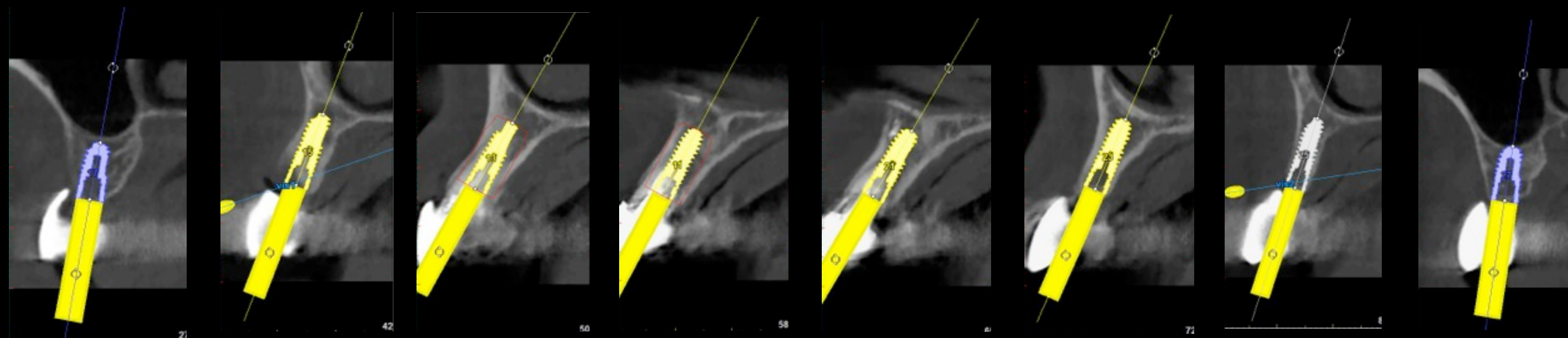
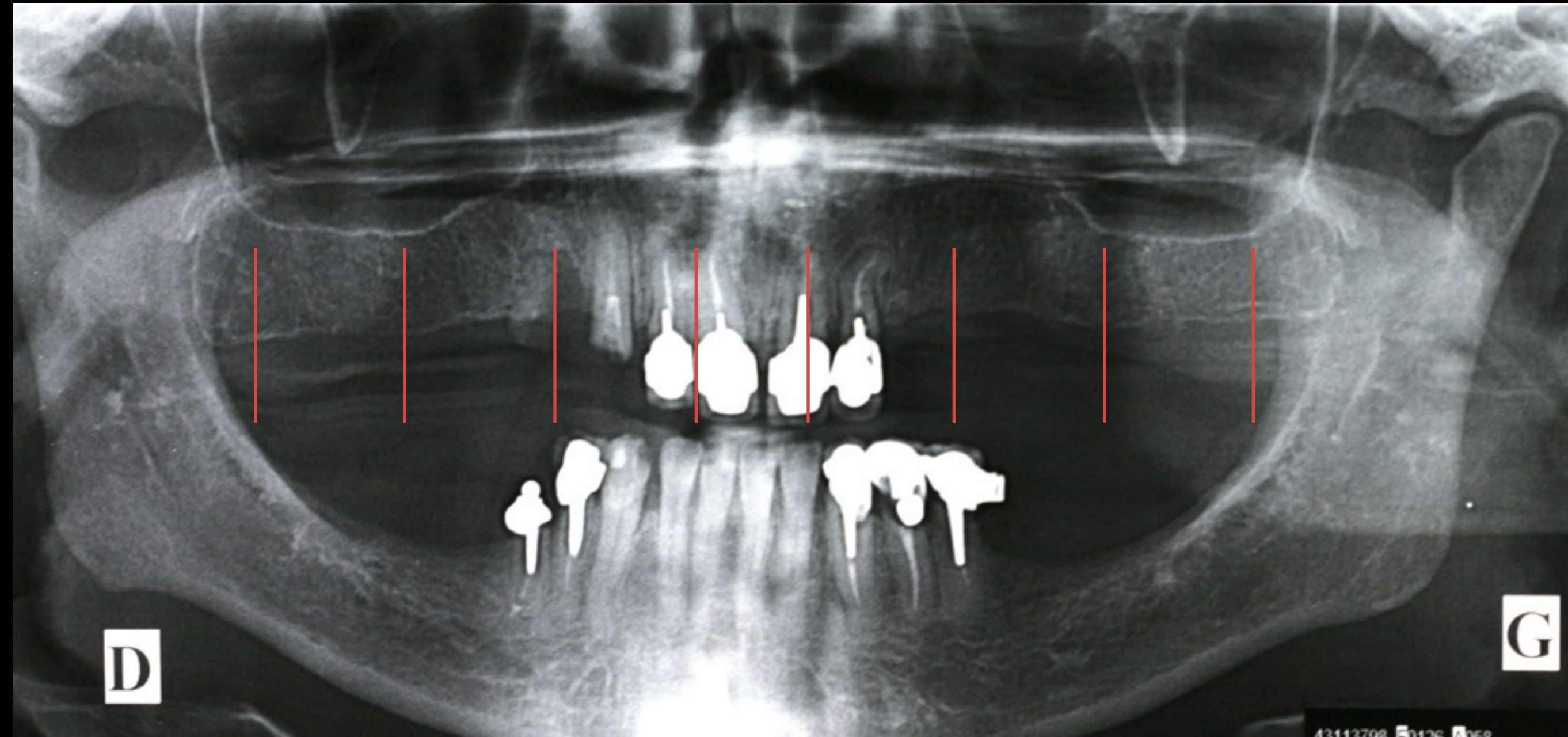
Plan de traitement proposé:

- 1- Extraction de la racine de la 15
- 2- Assainissement parodontal des dents mandibulaires
- 3- Planification informatique à l'aide du logiciel Dentsply Expertease®
- 4- Réalisation d'un guide stéréolithographique
- 5- Extraction des dents maxillaires résiduelles,
Mise en place immédiate de 8 implants en chirurgie guidée
Mise en place à 7 jours d'une prothèse provisoire immédiate transvissée en résine.
- 6- + 6 mois: Réalisation d'une prothèse scellée sur infrastructures transvissées.

Planification informatique



Planification informatique



Xive S

4,5 x 9,5 mm

3,8 x 13 mm

3,8 x 13 mm

3,8 x 13 mm

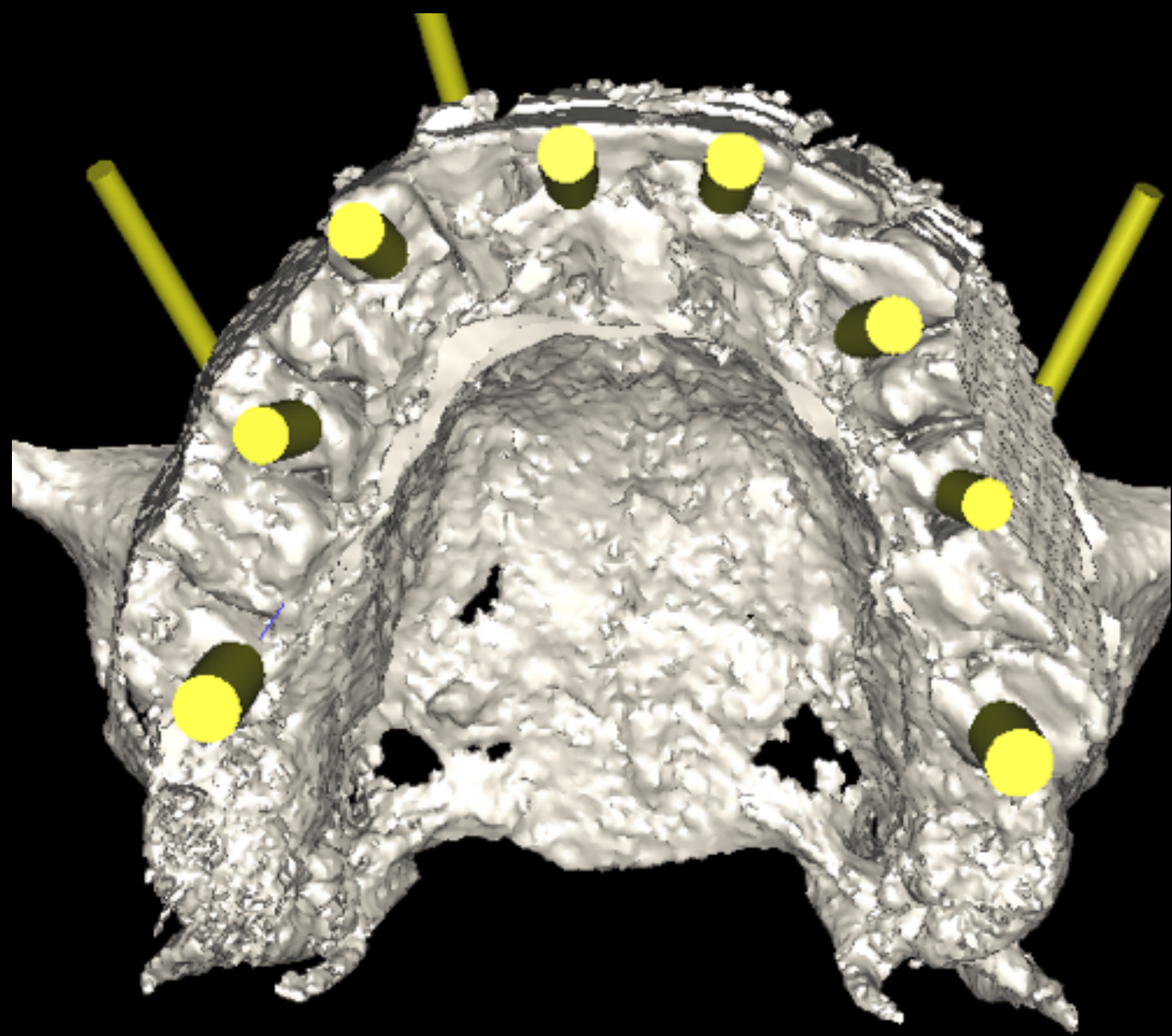
3,8 x 13 mm

3,8 x 13 mm

3,4 x 13 mm

4,5 x 9,5 mm





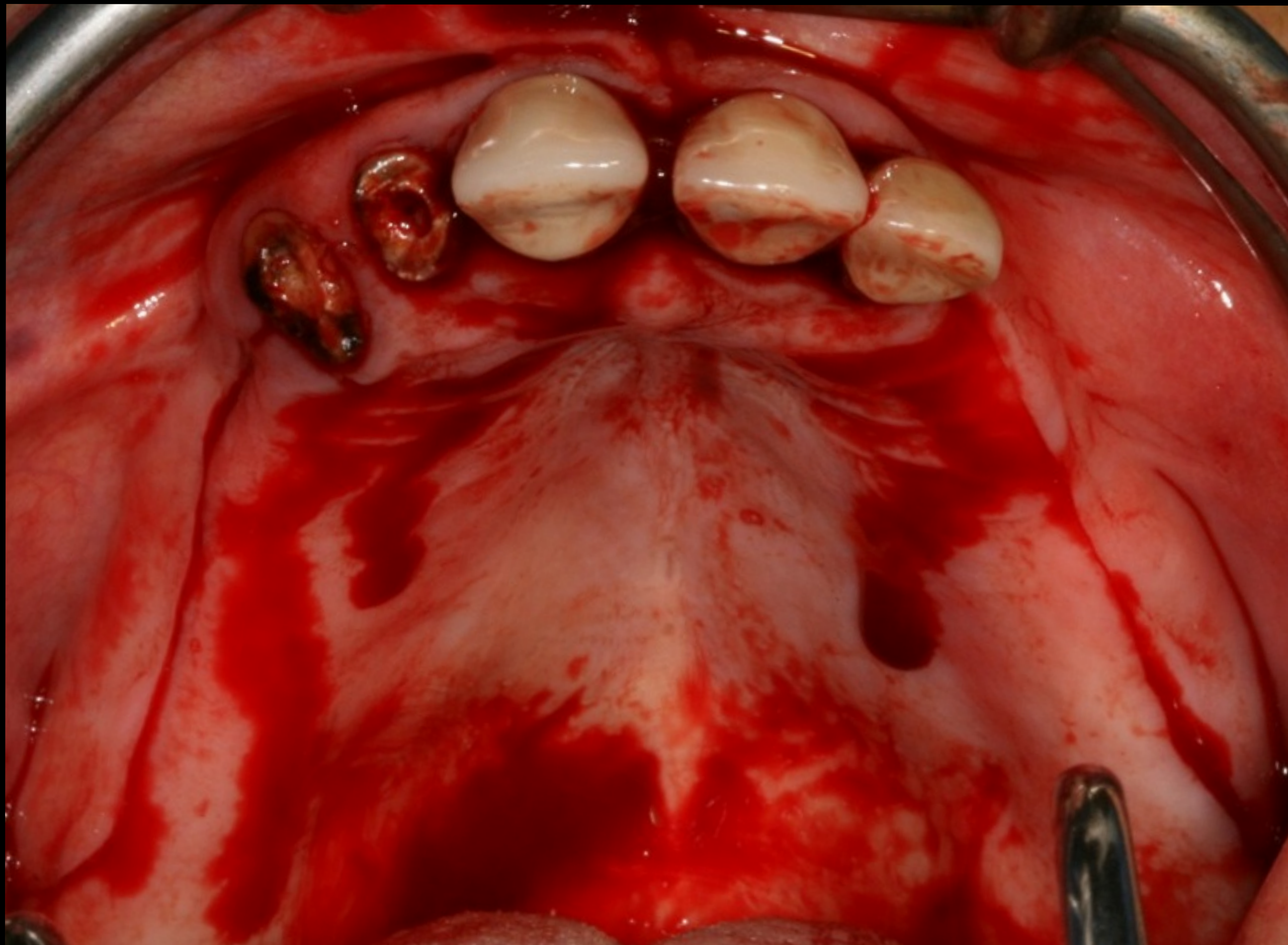
Réalisation d'un guide stéréolithographique

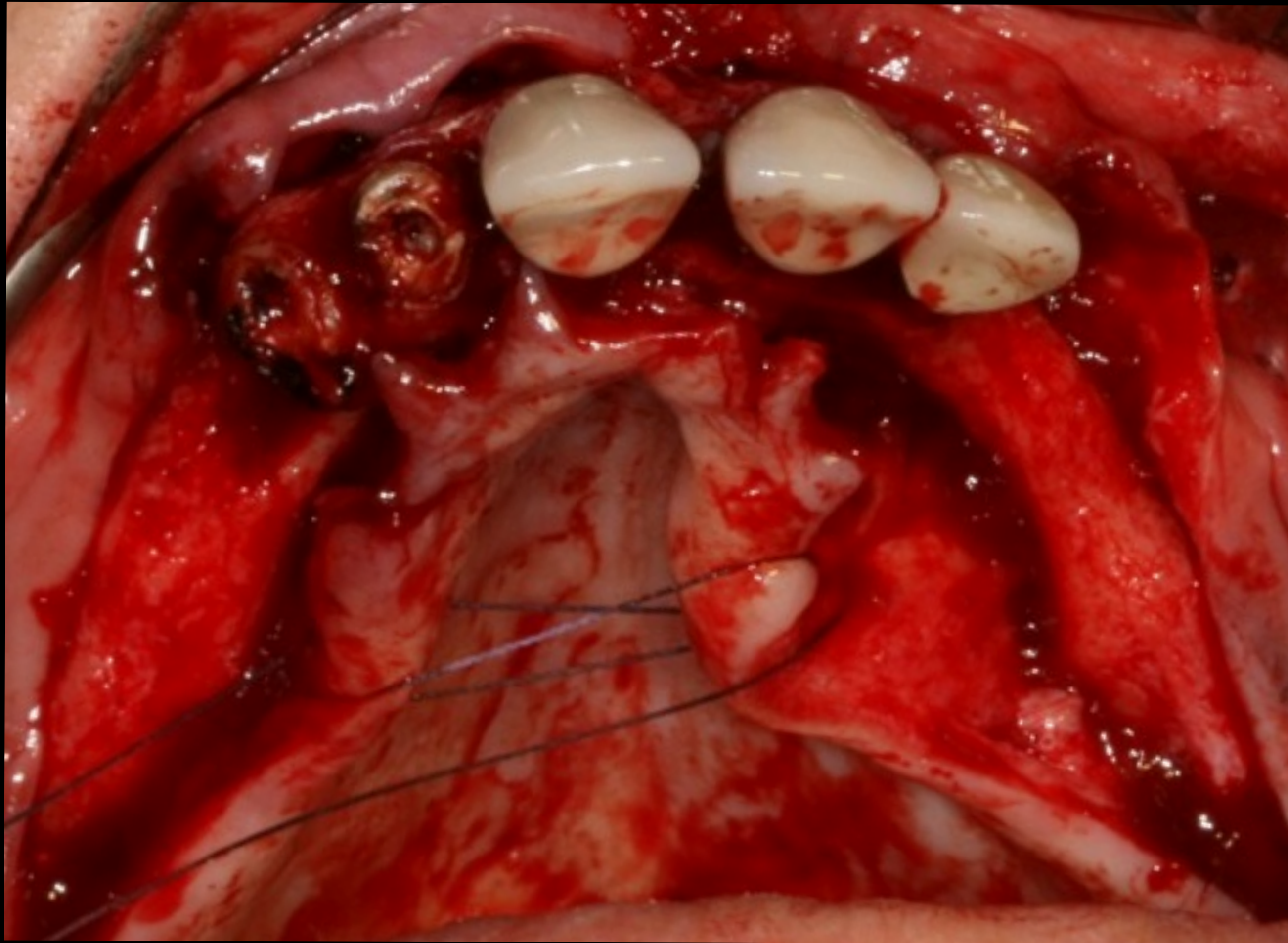


Réalisation du traitement

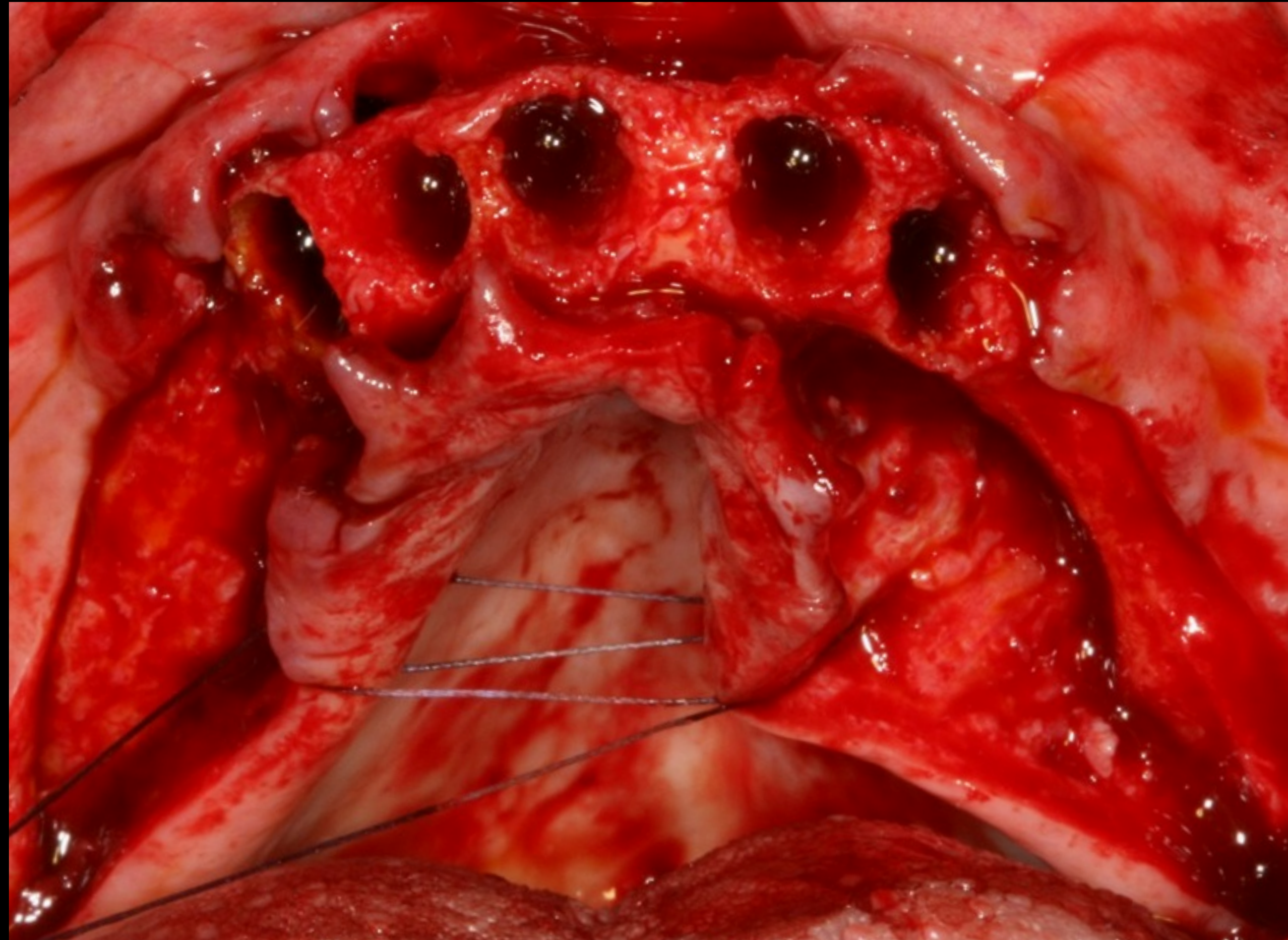
1. Les étapes chirurgicales



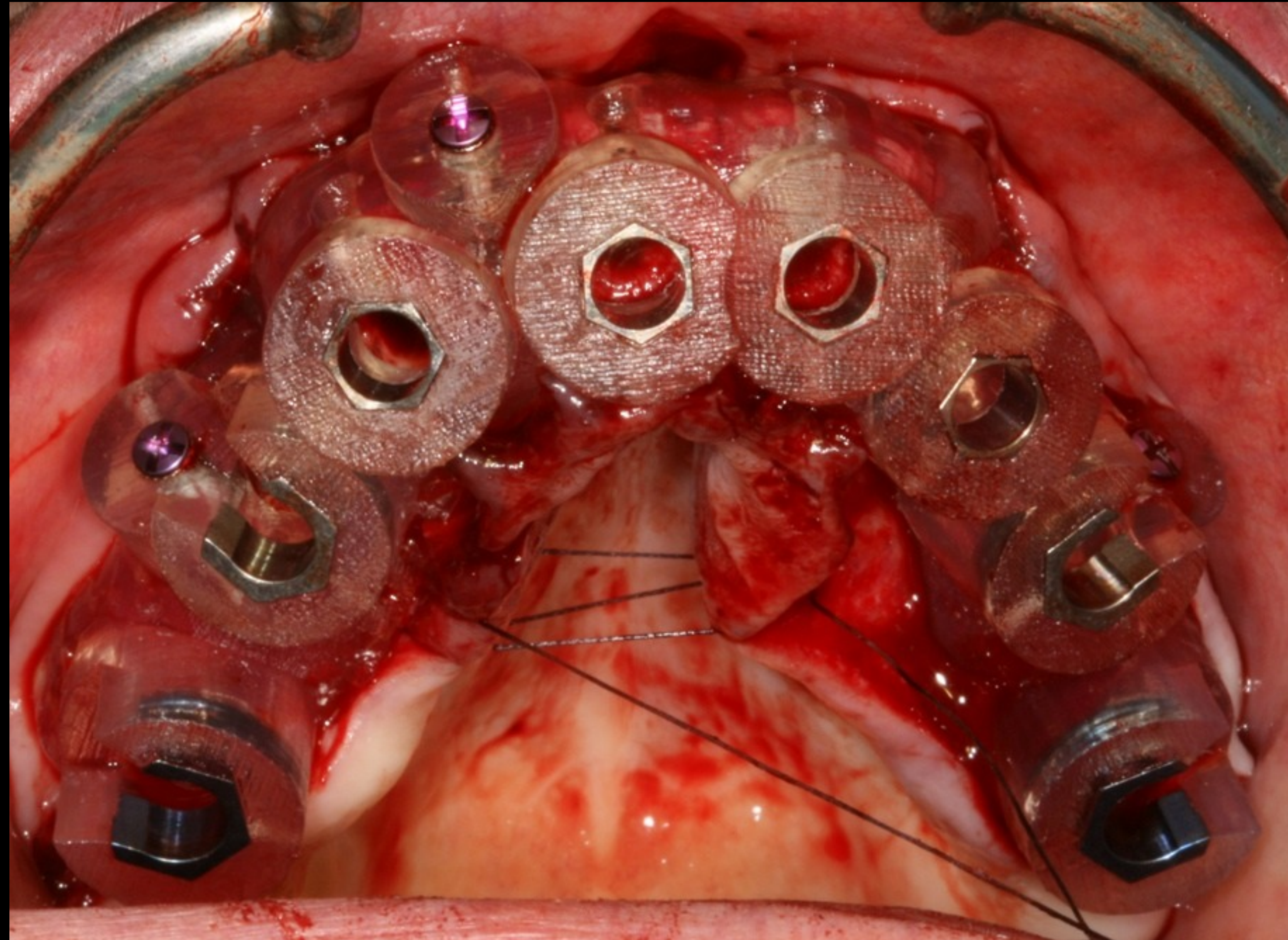




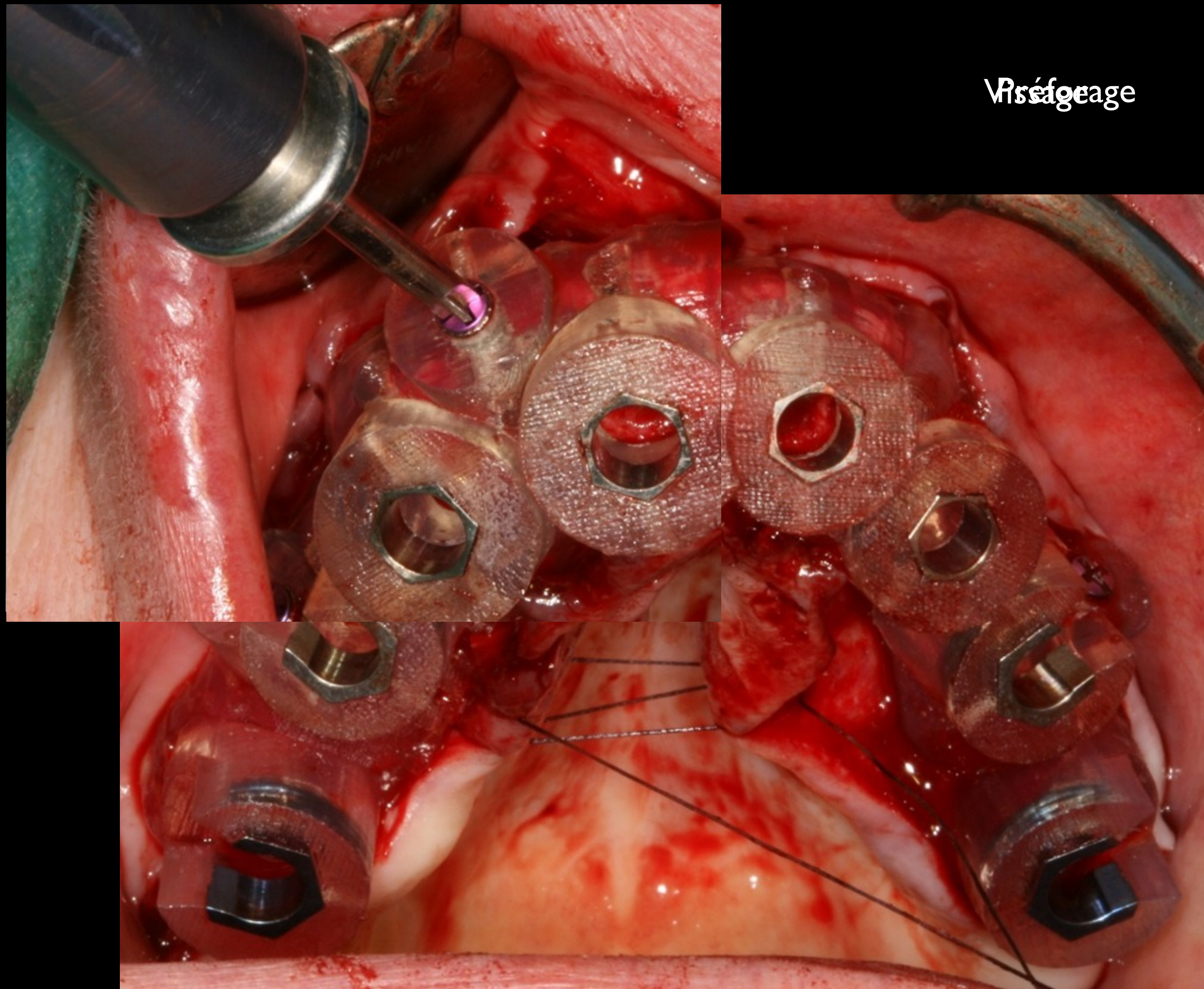
Extraction atraumatique des dents résiduelles

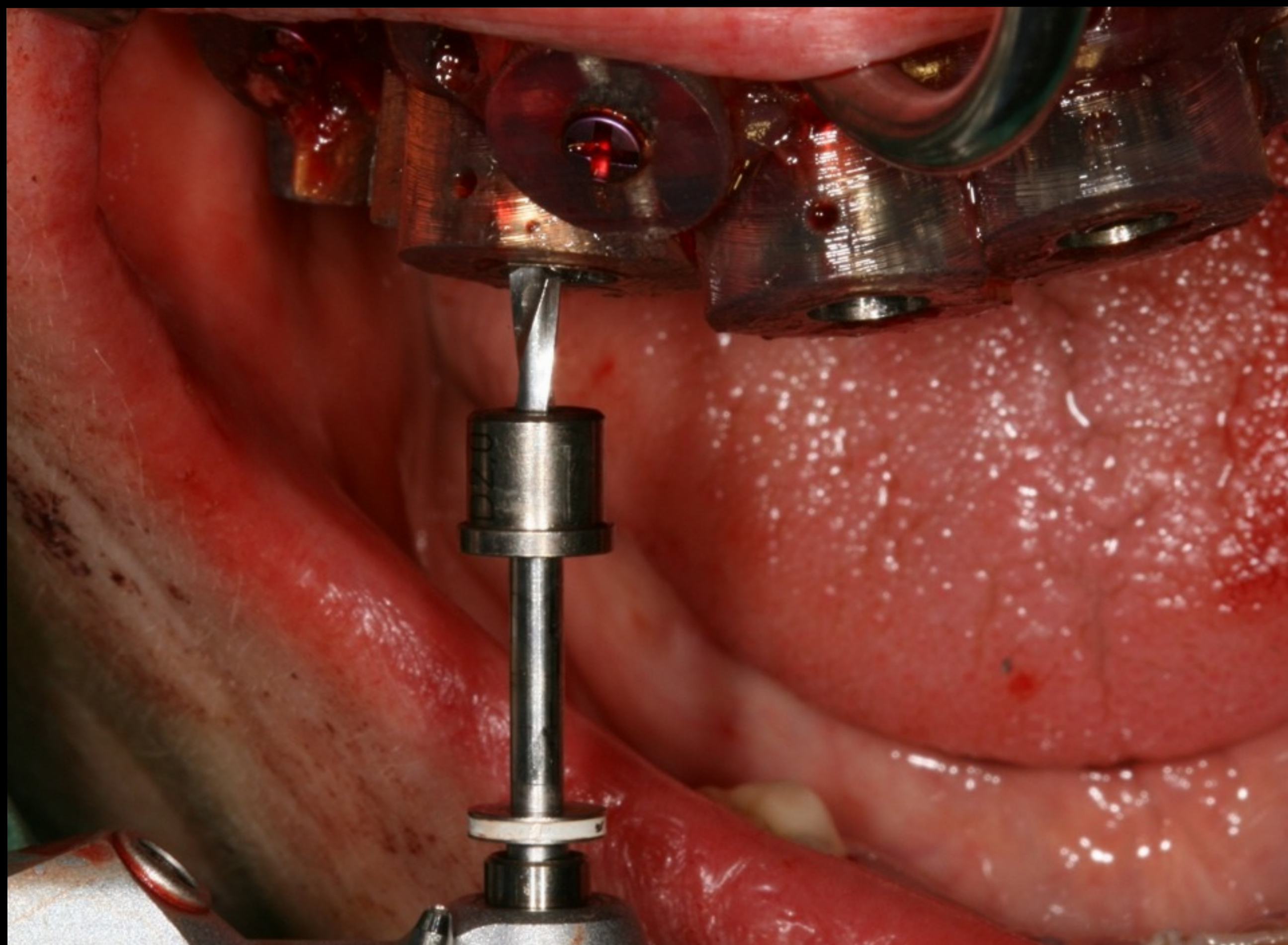


Mise en place du guide chirurgical: friction



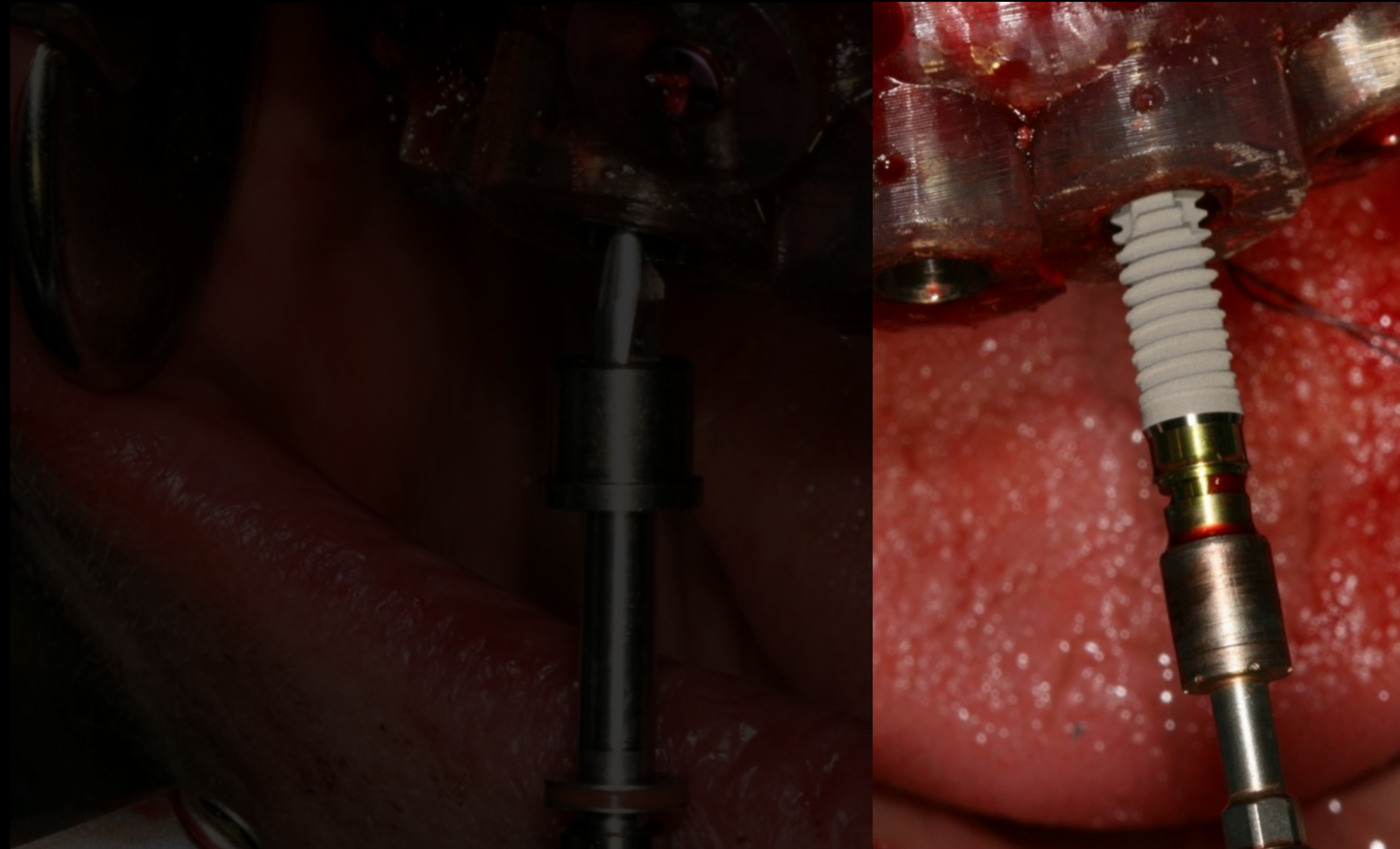
Vrséage

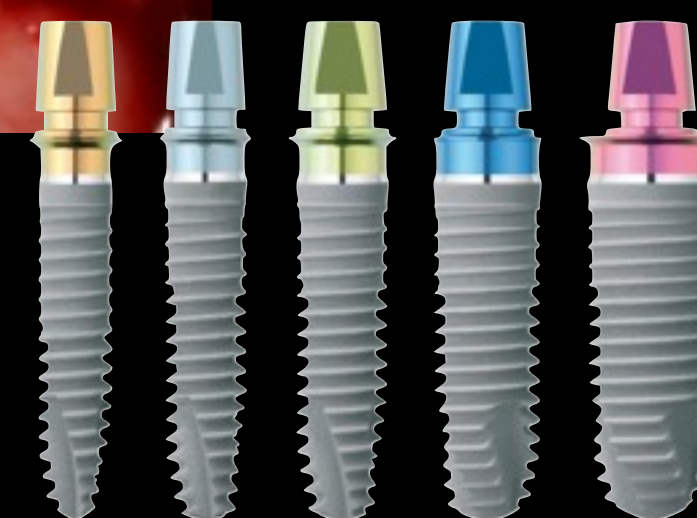
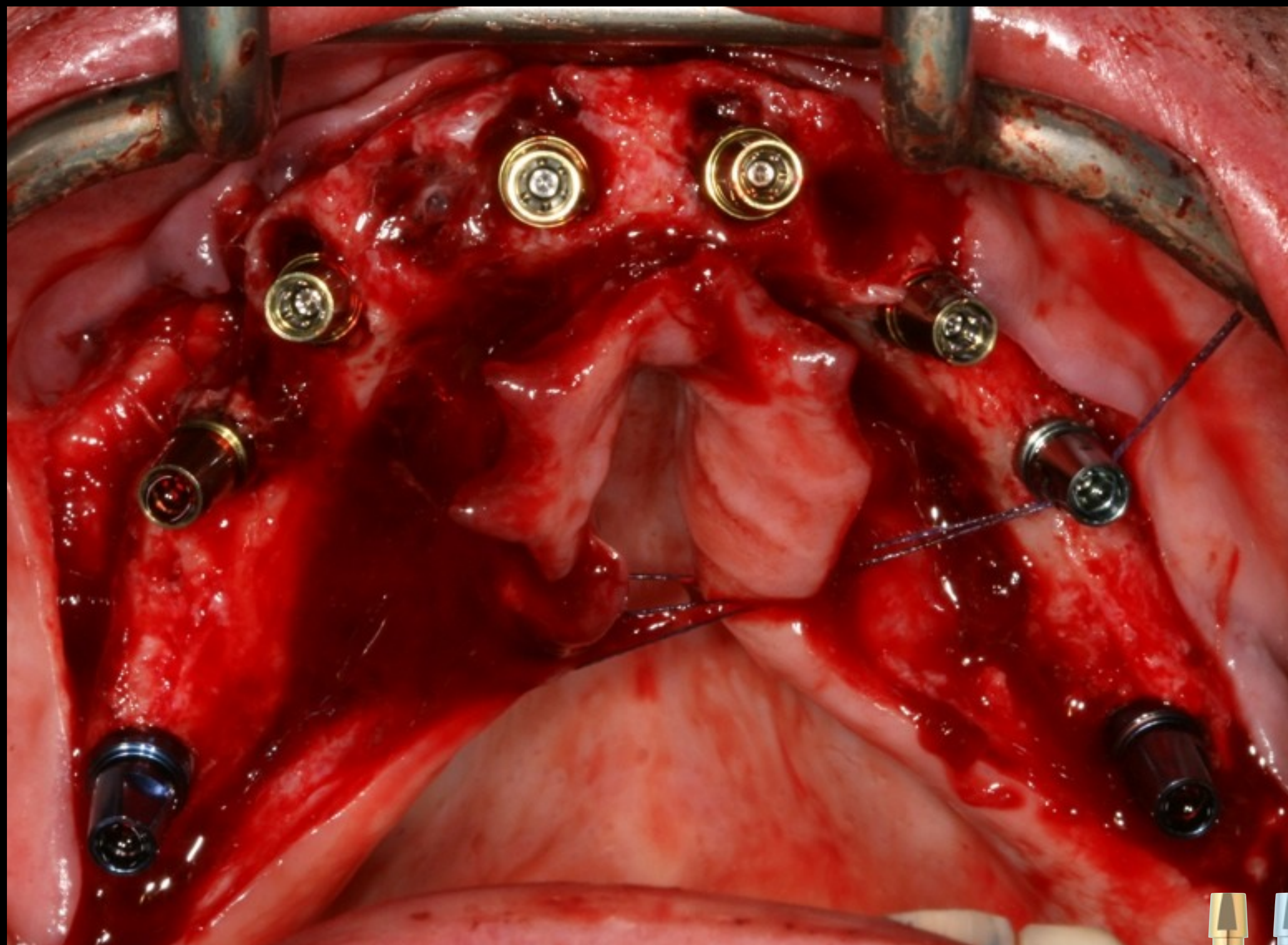




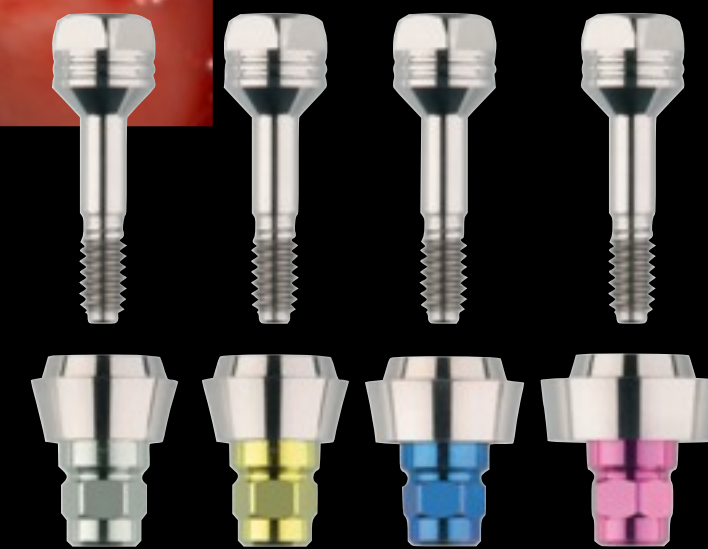
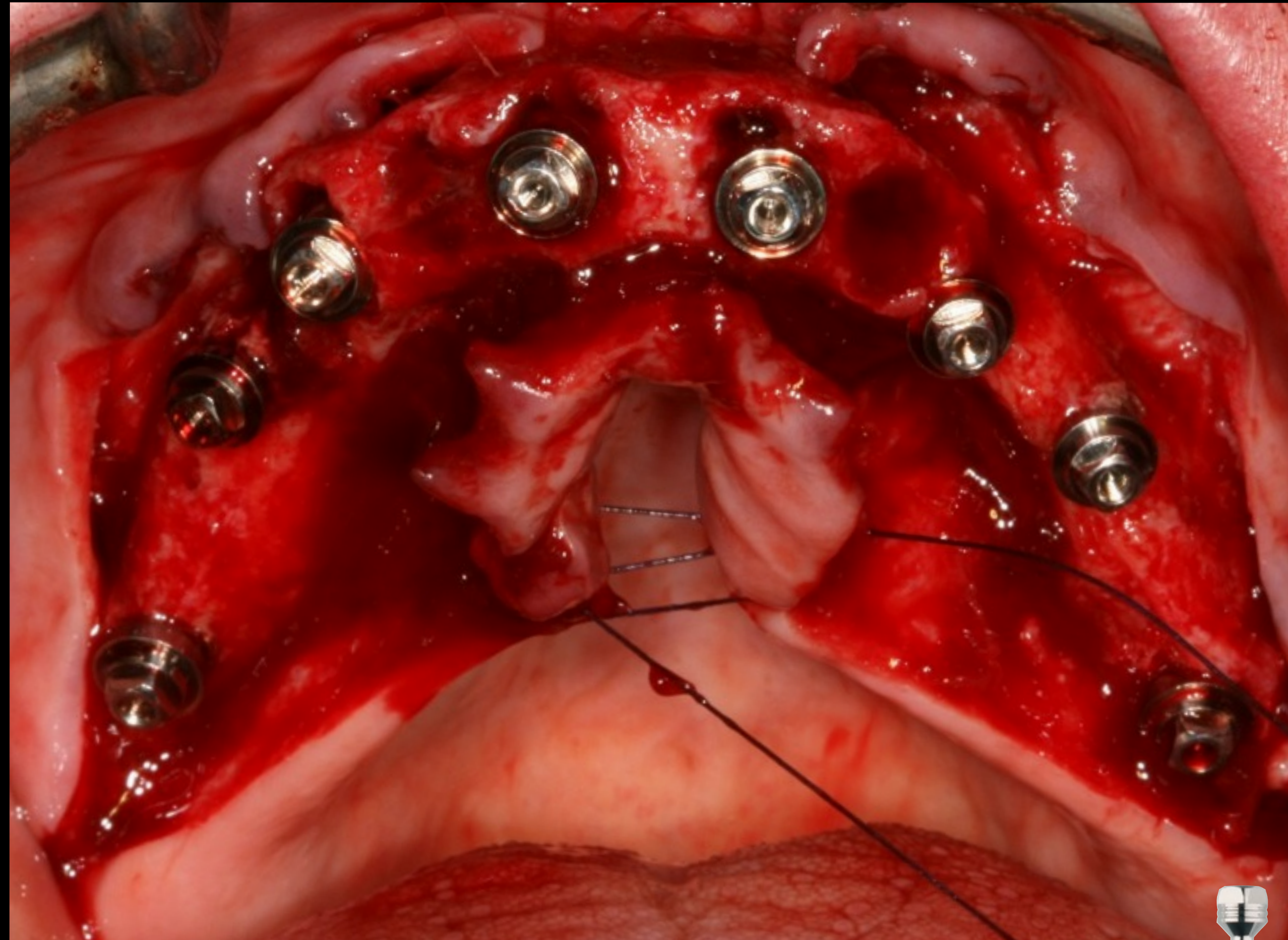


Mise en place des implants

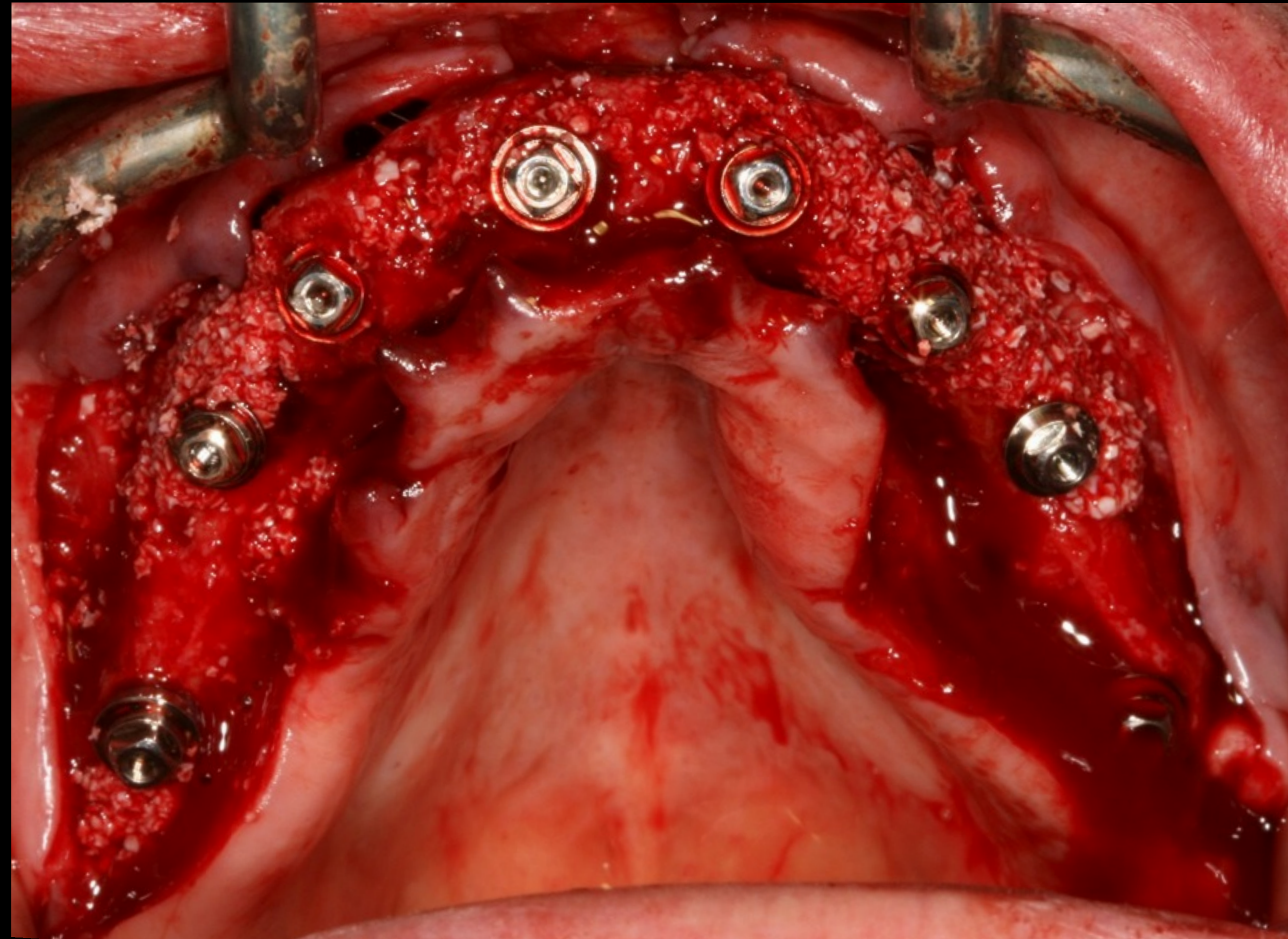




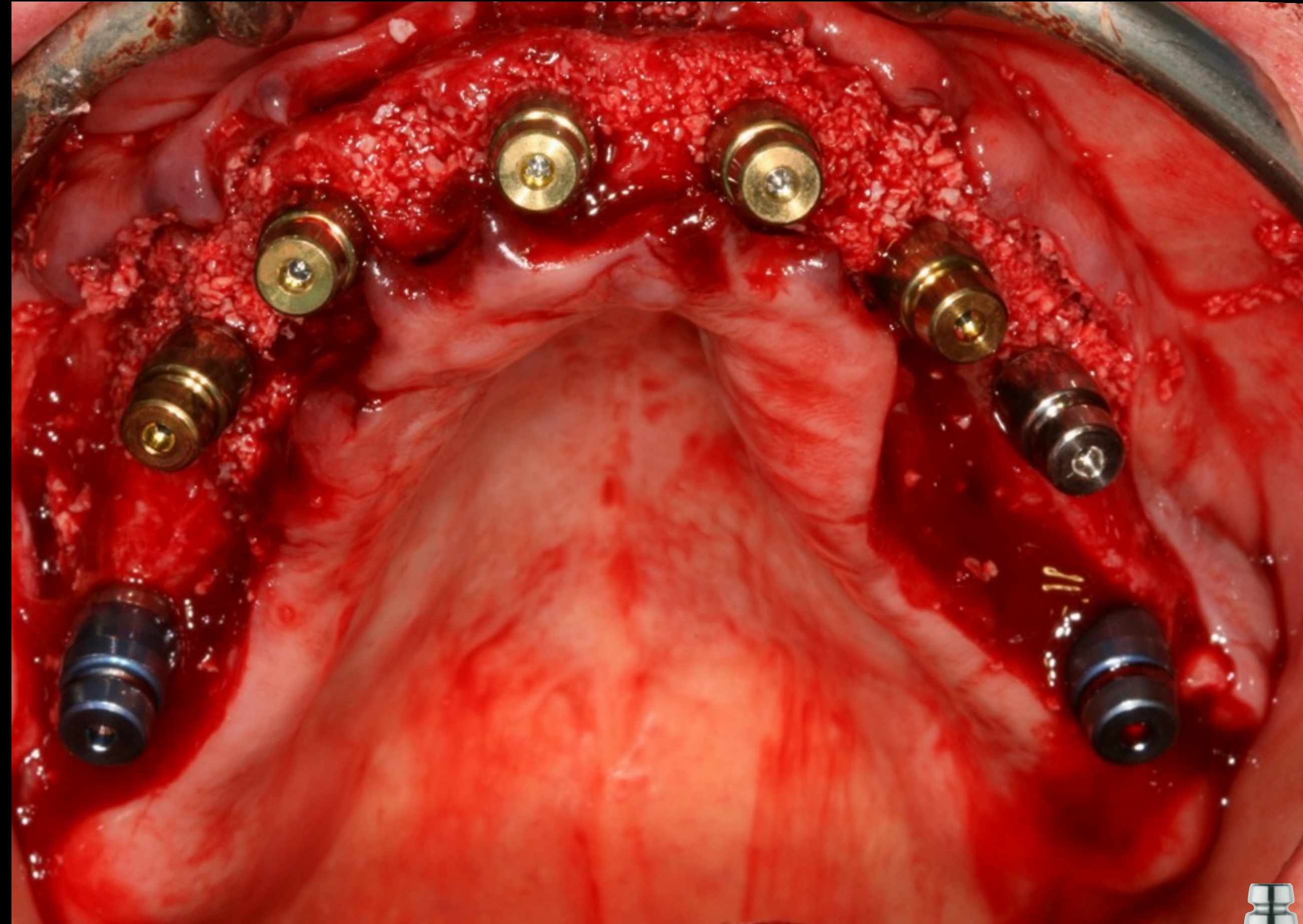
Mise en place des piliers coniques



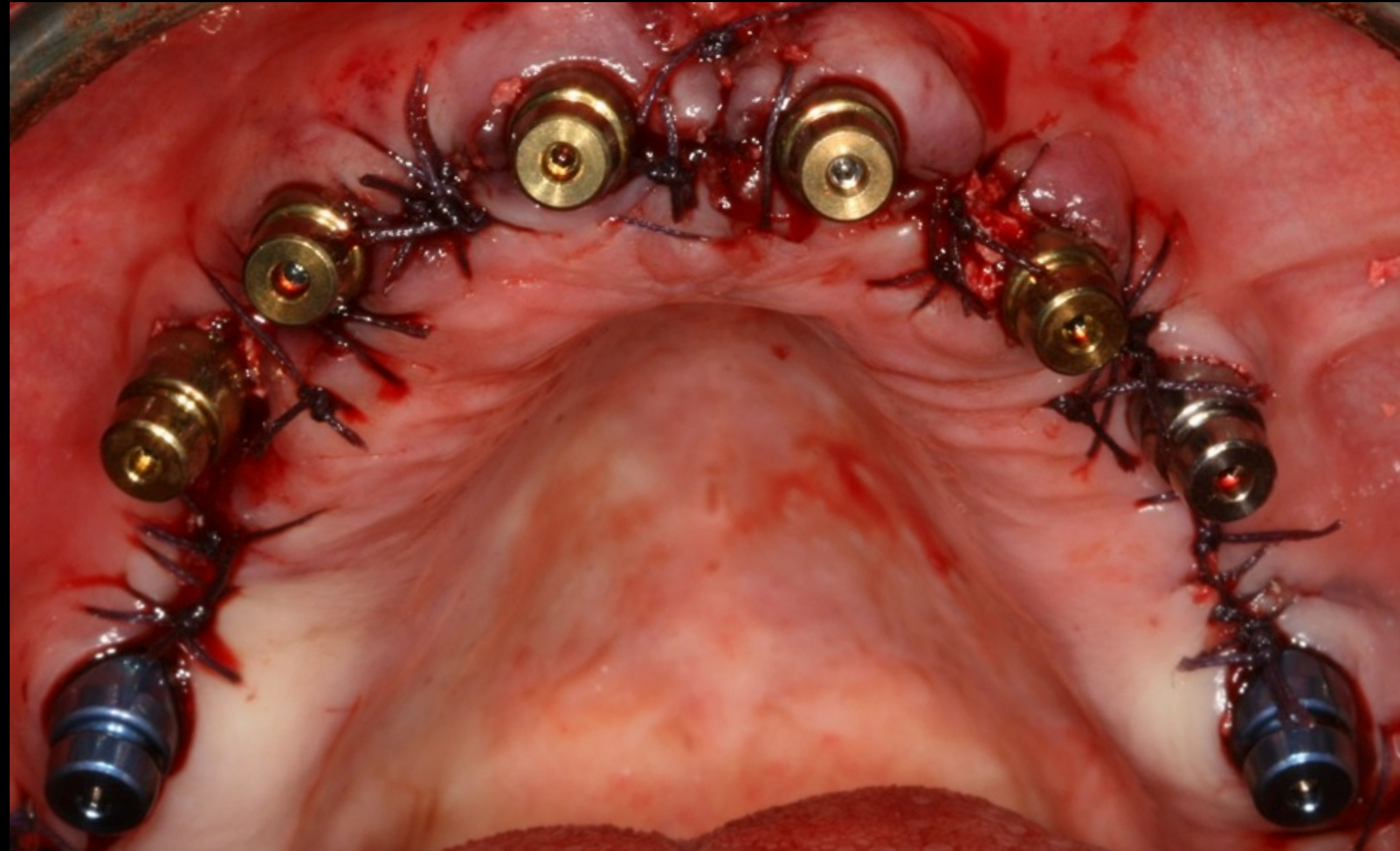
Comblement osseux à l'aide de Bio Oss



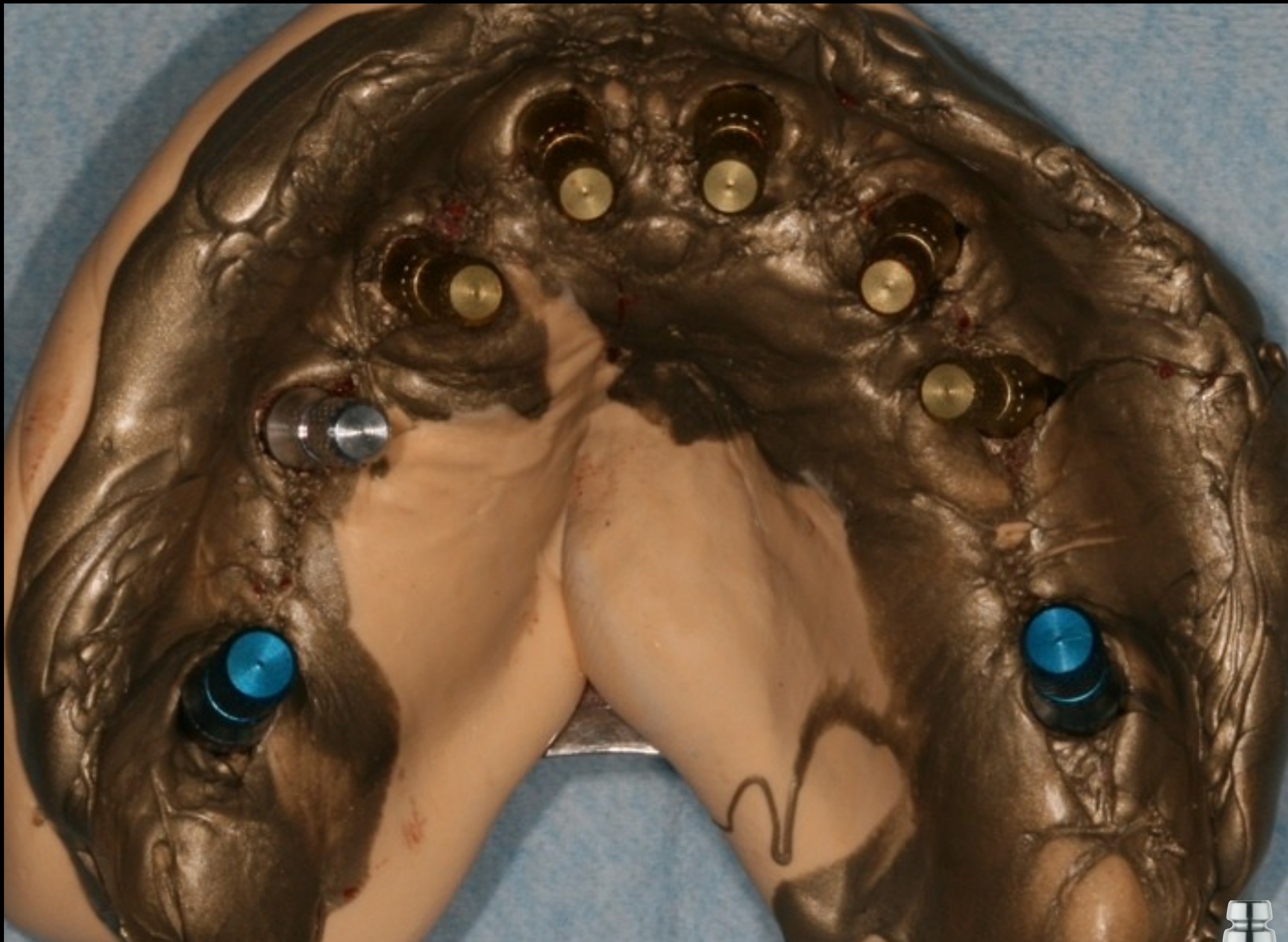
Mise en place des transferts de piliers coniques

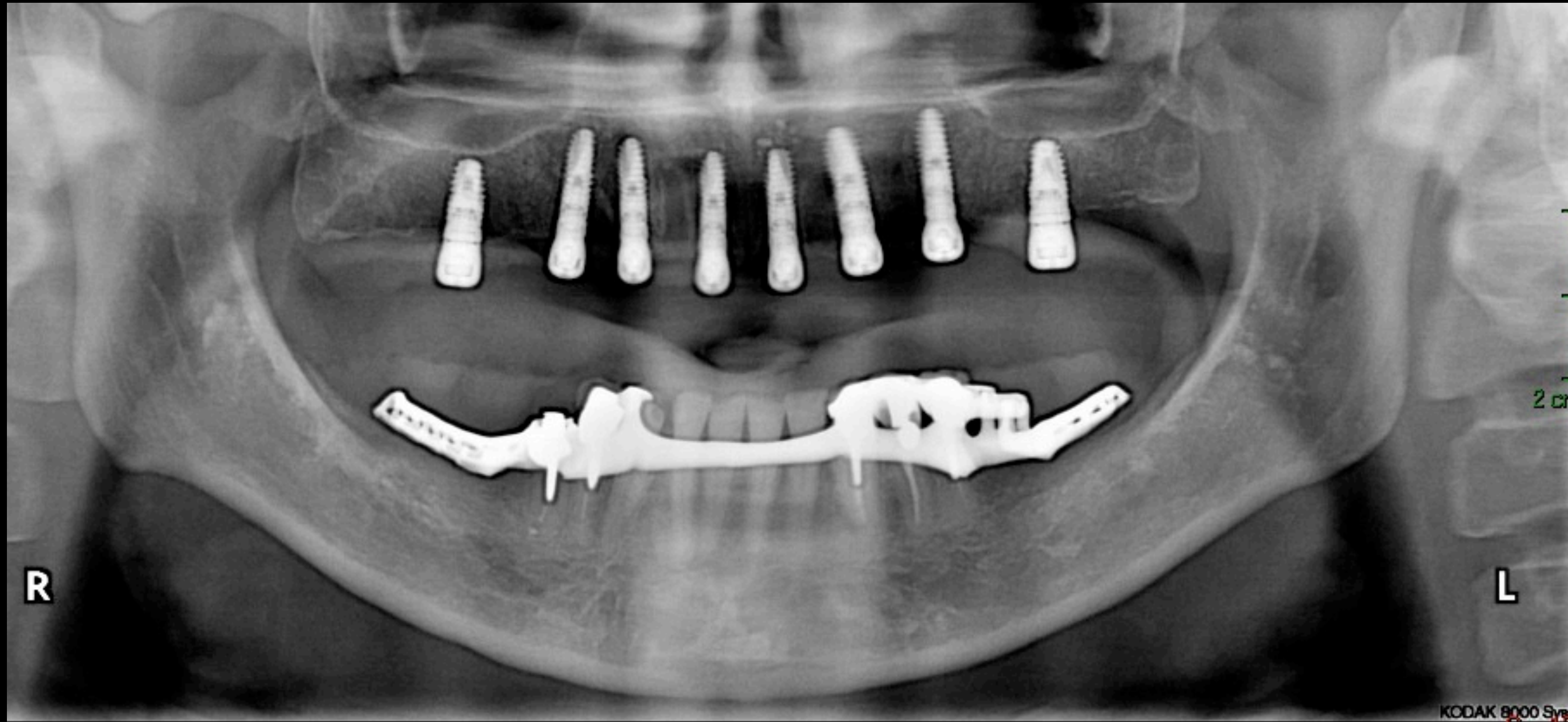


2. Les étapes prothétiques immédiates









7 jours post-opératoires

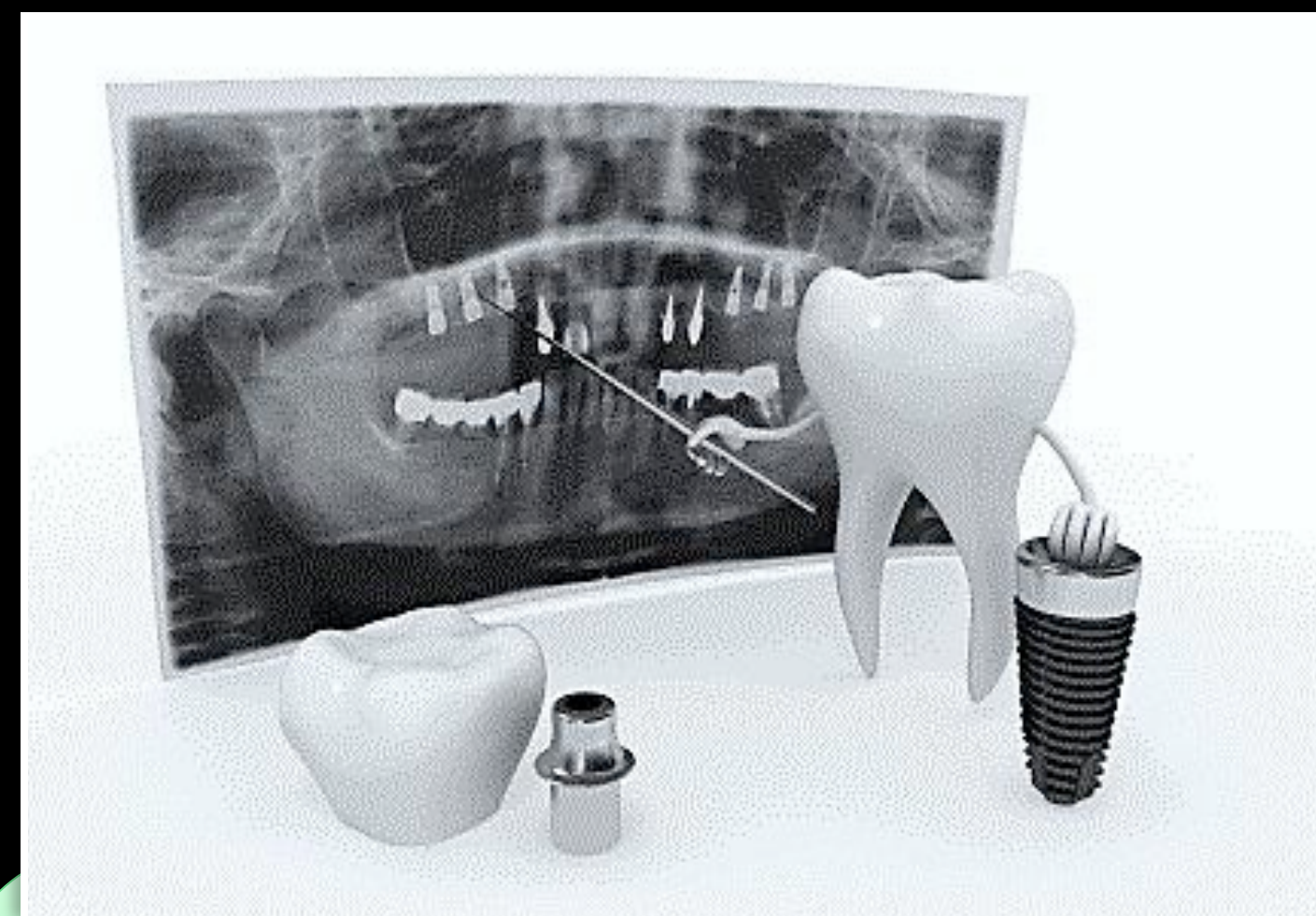






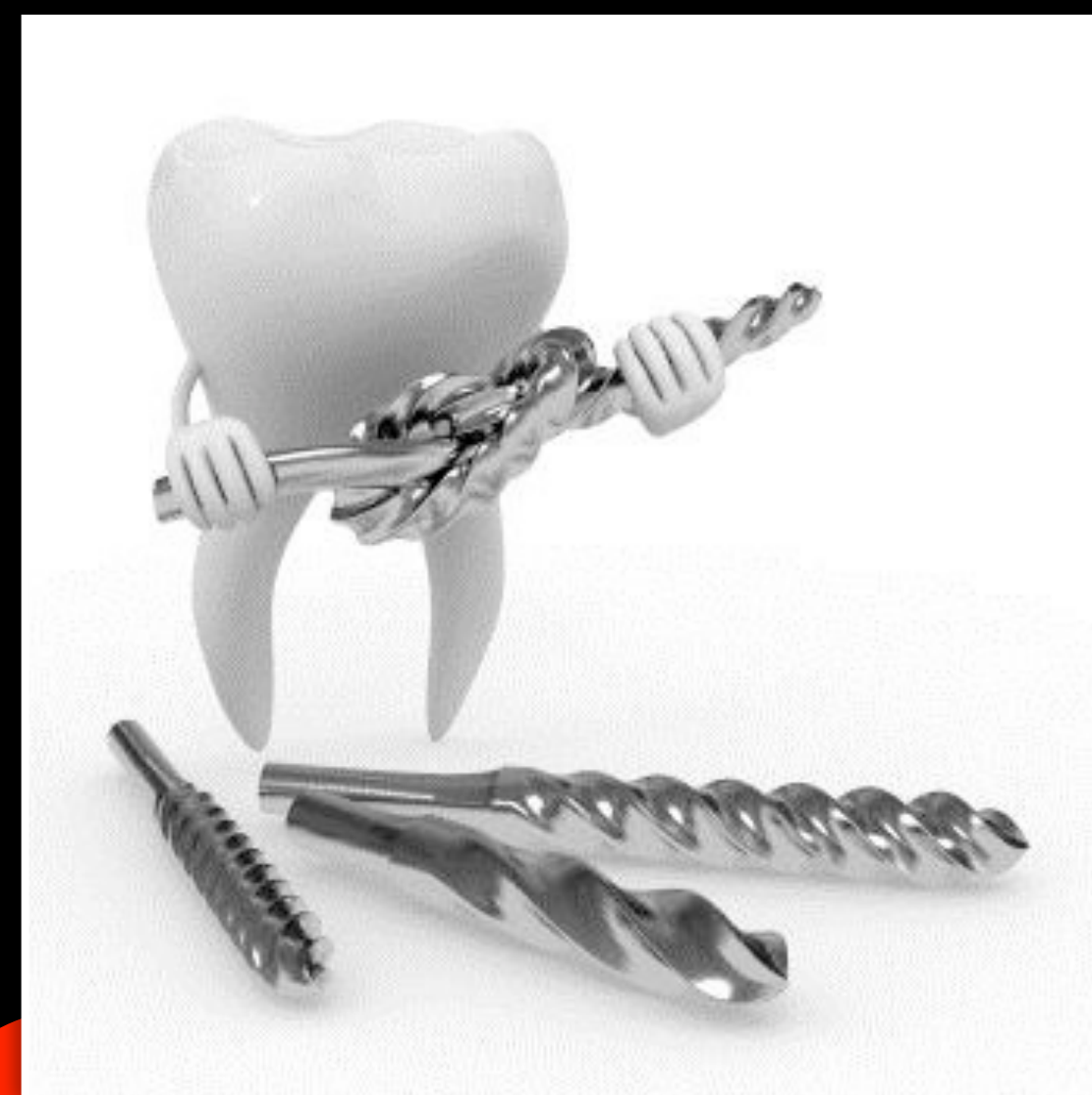






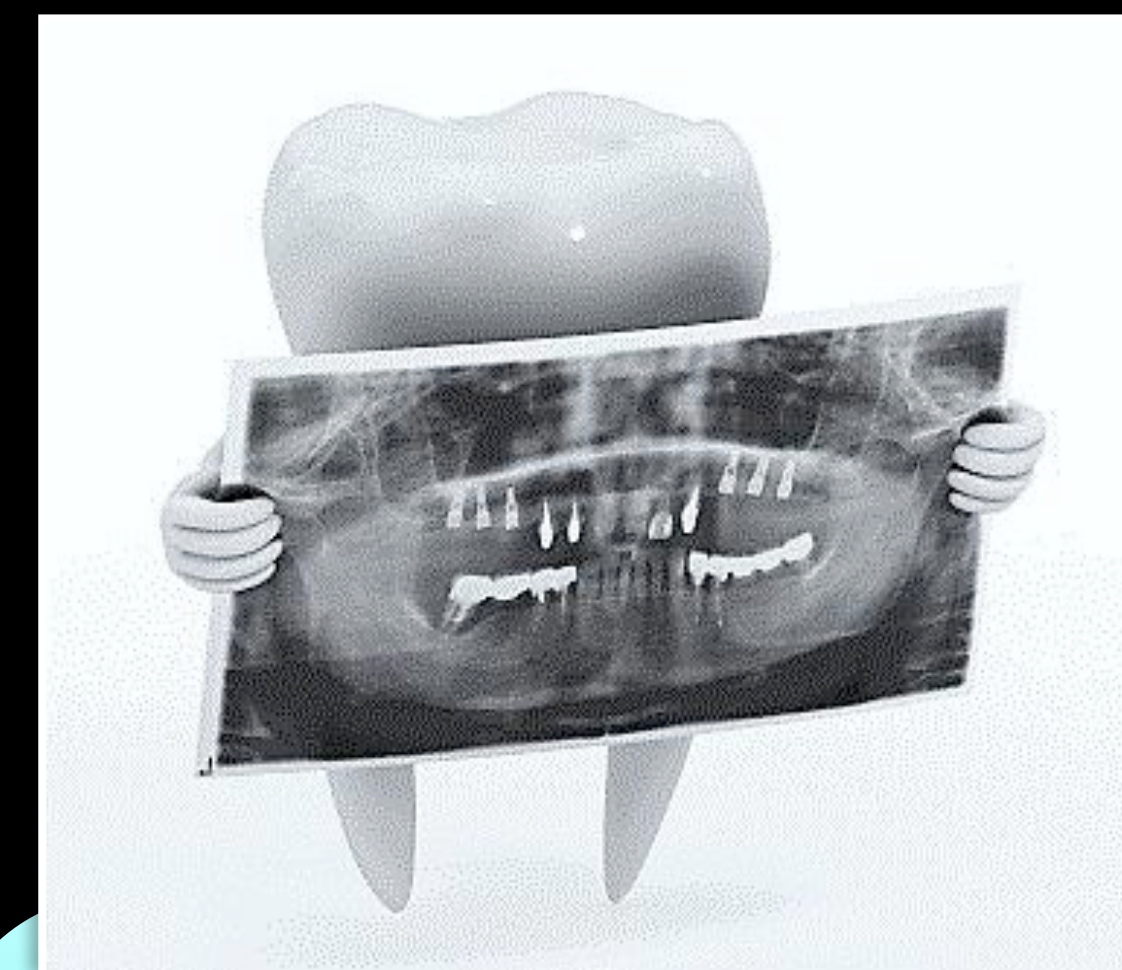
Logiciel de navigation et planification pour tous :

OUI



Chirurgie guidée et mise en charge immédiate:

**DÉBUTANT
S'ABSTENIR**



Il faut montrer aux praticiens tous les avantages apportés par Nobel Clinician : temps, image du cabinet (modernité), facilité d'archivage...

En Conclusion

Principales caractéristiques du logiciel NobelClinician :

Espaces de travail prédéfinis

Mesures et annotations des structures anatomiques importantes

Planification implantaire, compatible avec les autres systèmes implantaires réputés.

Visionneuse NobelConnect et NobelClinician

Commande en ligne de composants chirurgicaux et de laboratoire, voire d'un guide chirurgical

Génération automatique d'un rapport sur les plans de traitement

Assistant intégré

Merci de votre
Attention