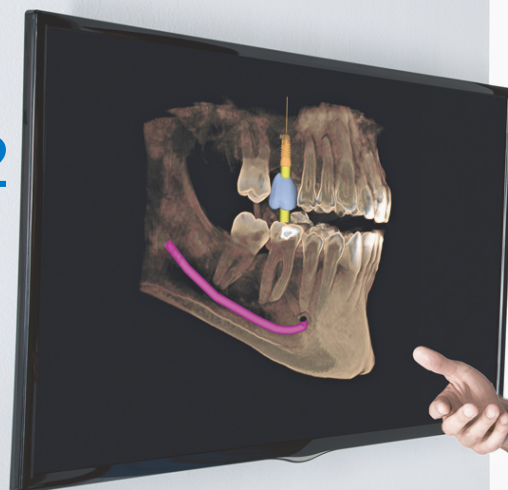


Integrated Implantology CEREC Guide 2



THE DENTAL
SOLUTIONS
COMPANY™

 Dentsply
Sirona

The digital Workflow



1. SCAN
Optical impressions and 3D X-ray data form the perfect basis.



4. RESTORE
Produce the individual abutment and crown.



2. PLAN
Plan the implant and make a surgical guide.



3. PLACE
Place the implant in the patient's mouth.



The digital Workflow



* Applies to immediately resilient implants

Scan – CEREC Hands-on

- Register the patient.
- Select the restoration in region 36.
- Acquire upper and lower jaw and take the buccal bite (acquisition = basis for later surgical guide design).
- Draw the margin on the gingiva. Orient regarding the form on the neighboring teeth.
- Check in the design phase if the position of the calculated tooth is good (regarding antagonist and neighboring teeth)
- Export the .ssi file from the milling preview and save it on an USB stick.







CEREC Guide 2



ADMINISTRATION



ACQUISITION



MODEL



DESIGN



MILL

CEREC



 Help



Overview
The purpose is to define the insertion axis of a restoration. Therefore the model has to be oriented in a way that (1) obstructions by neighboring teeth or (2) undercuts are reduced.



Margin Area



Draw Margin



Define Insertion Axis

 Ok

 Cancel



Preparation Analysis

Design 

 6 Lower Jaw

 36

CEREC Guide 2

ADMINISTRATION

ACQUISITION

MODEL

DESIGN

MILL

CEREC

Display Objects

Lower Jaw 100 %

Minimal Thickness

Restoration 100 %

Trimmed Model

Overview

In the step „Edit Restoration“ you can change the position, contacts and morphology of the initial proposal. The sidepanel offers you several tools for editing.

Tips:
1. All tools that are currently available can be opened on right click via the “tool wheel”.
2. Check the field “hide neighbours” in the sidepanel to have a better view on the

You can use tools to shape your perfect crown

Tools

Form

Move

Shape

Biogenic Variation

Recalculate

Contacts

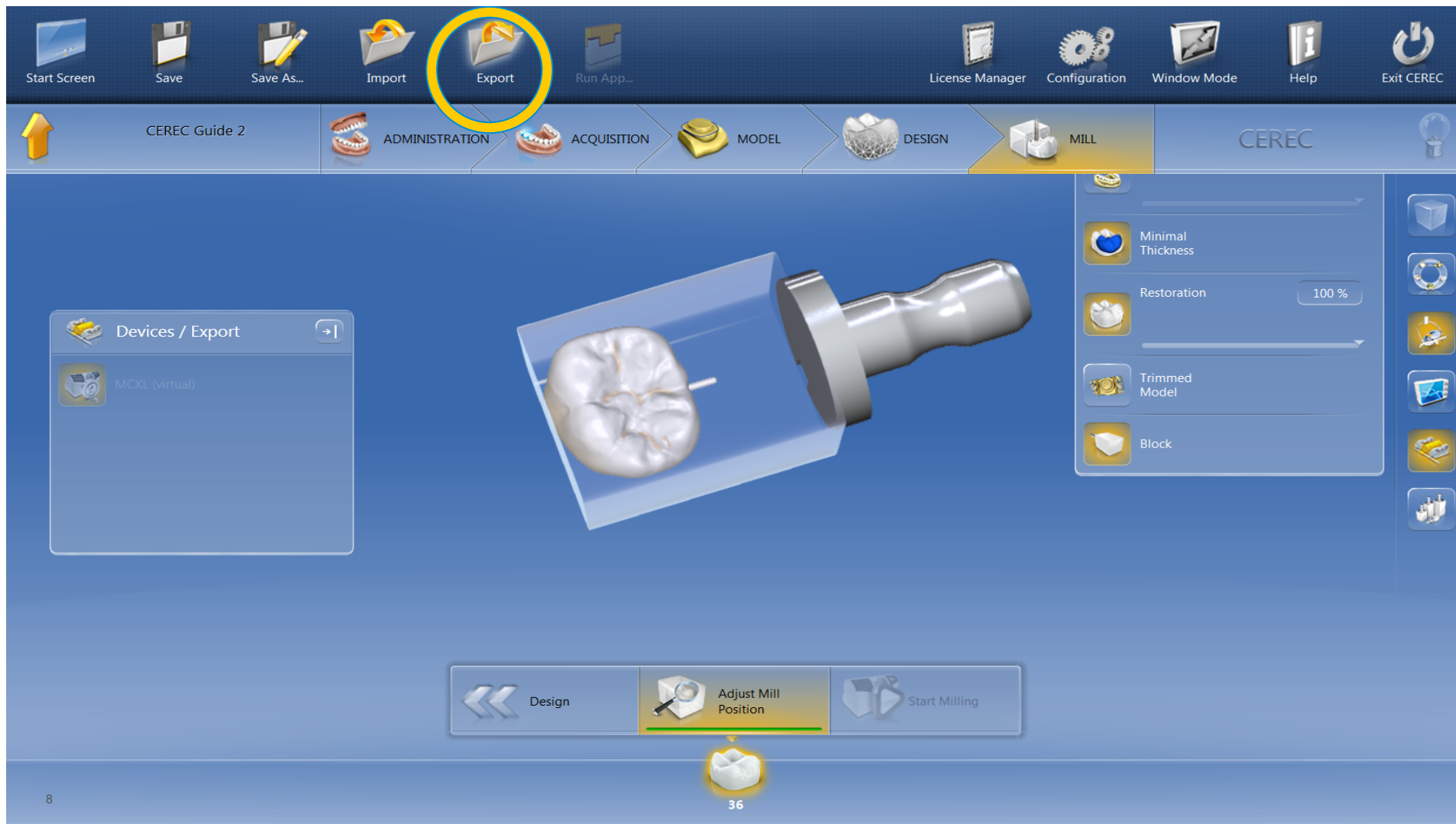
Model

Restoration Parameters

Edit Restoration

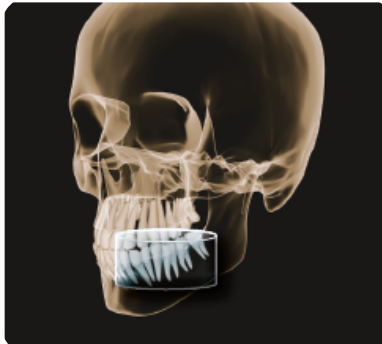
Mill

36



3D Scan with Sirona 3D xray

5 x 5,5 cm

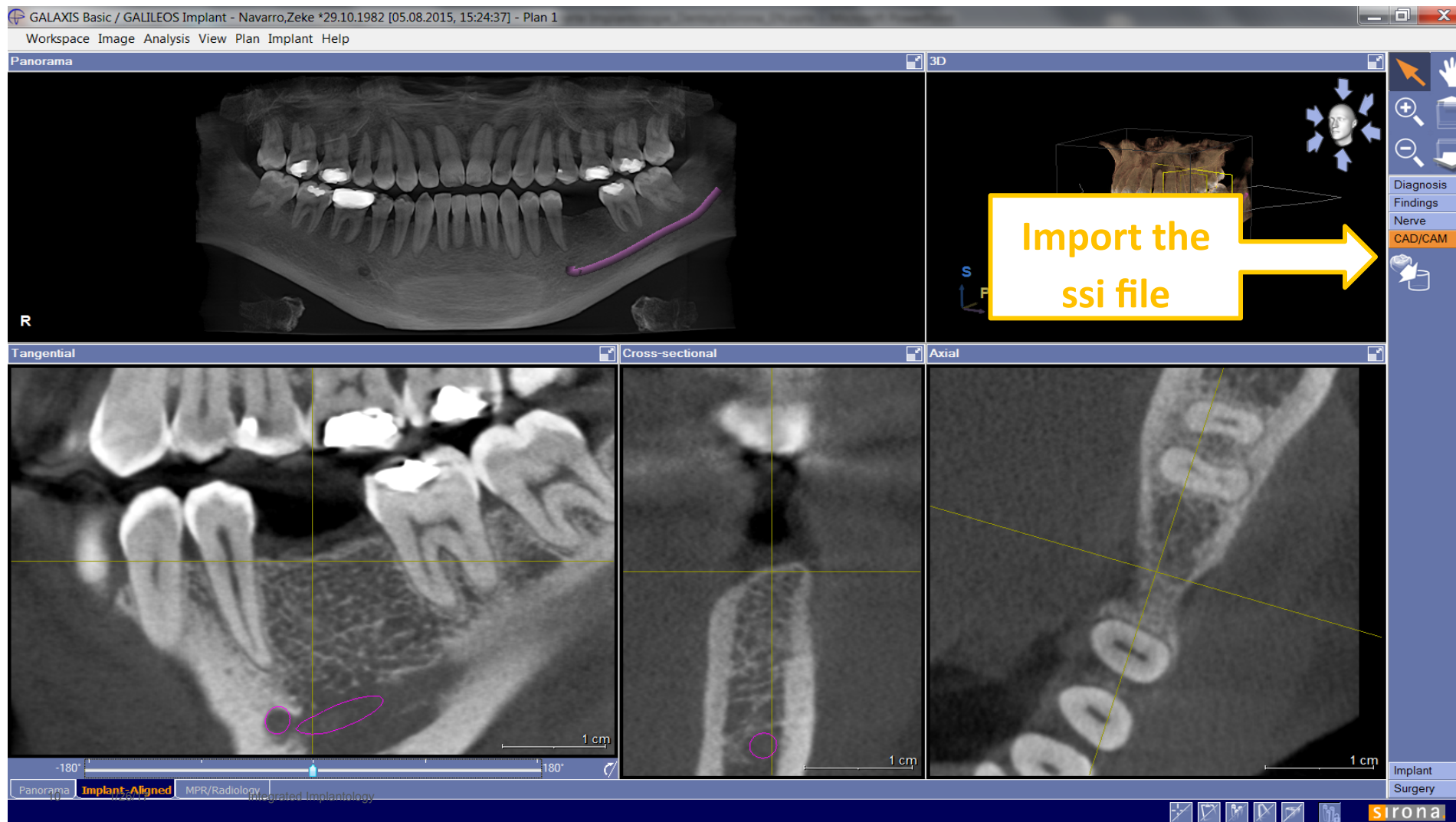


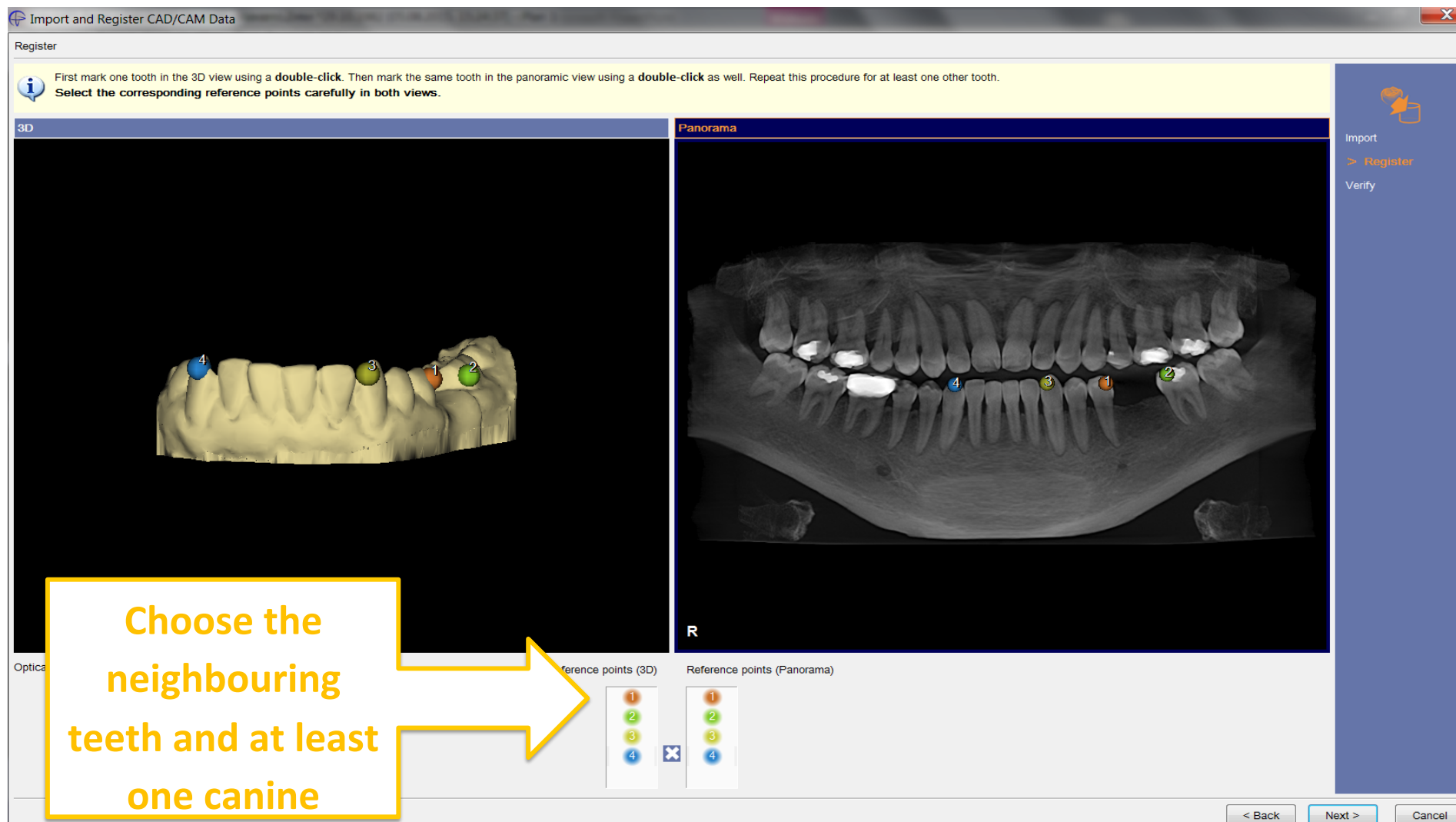
8 x 8 cm

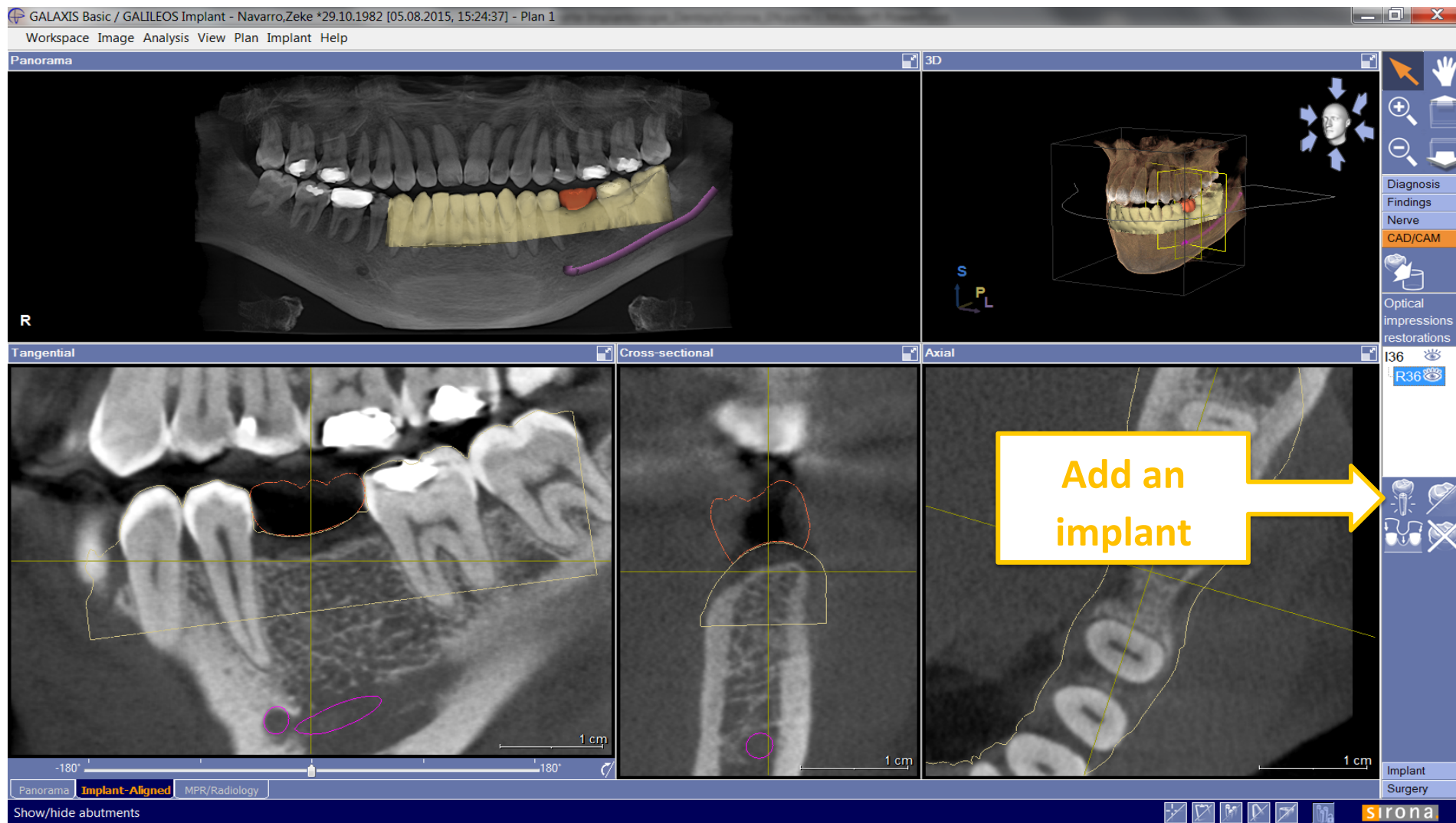


11 x 10 cm









GALAXIS Basic / GALILEOS Implant - Navarro, Zeke *29.10.1982 [05.08.2015, 15:24:37] - Plan 1
Workspace Image Analysis View Plan Implant Help

Panorama

R

Tangential

Choose an implant system and size (length and diameter)

Insert Implant - Position 36

Implant Abutment Sleeve

1. Select/Verify the position

18	17	16	15	14	13	12	11	21	22	23	24	25	26	27	28
48	47	46	45	44	43	42	41	31	32	33	34	35	36	37	38

2. Select the orientation (optional)

Orientation: Vertical

3. Configure the implant

Implant line: Straumann - Bone Level Roxolid SLActive Guided

	3.3/3.3	4.1/4.1	4.8/4.8
8.0			
10.0			
12.0			

021.6310G

OK Cancel

1. Verify the position.
2. Select the orientation (optional).
3. Select the implant line you wish to use. If it is not listed, select "More...".
4. The table shows all implants available. The rows correspond to lengths, the columns to occlusal/apical diameters. All measurements are in mm. Click the implant of your choice.
5. You can also configure your own implant by selecting "Generic" from the list of implant lines.

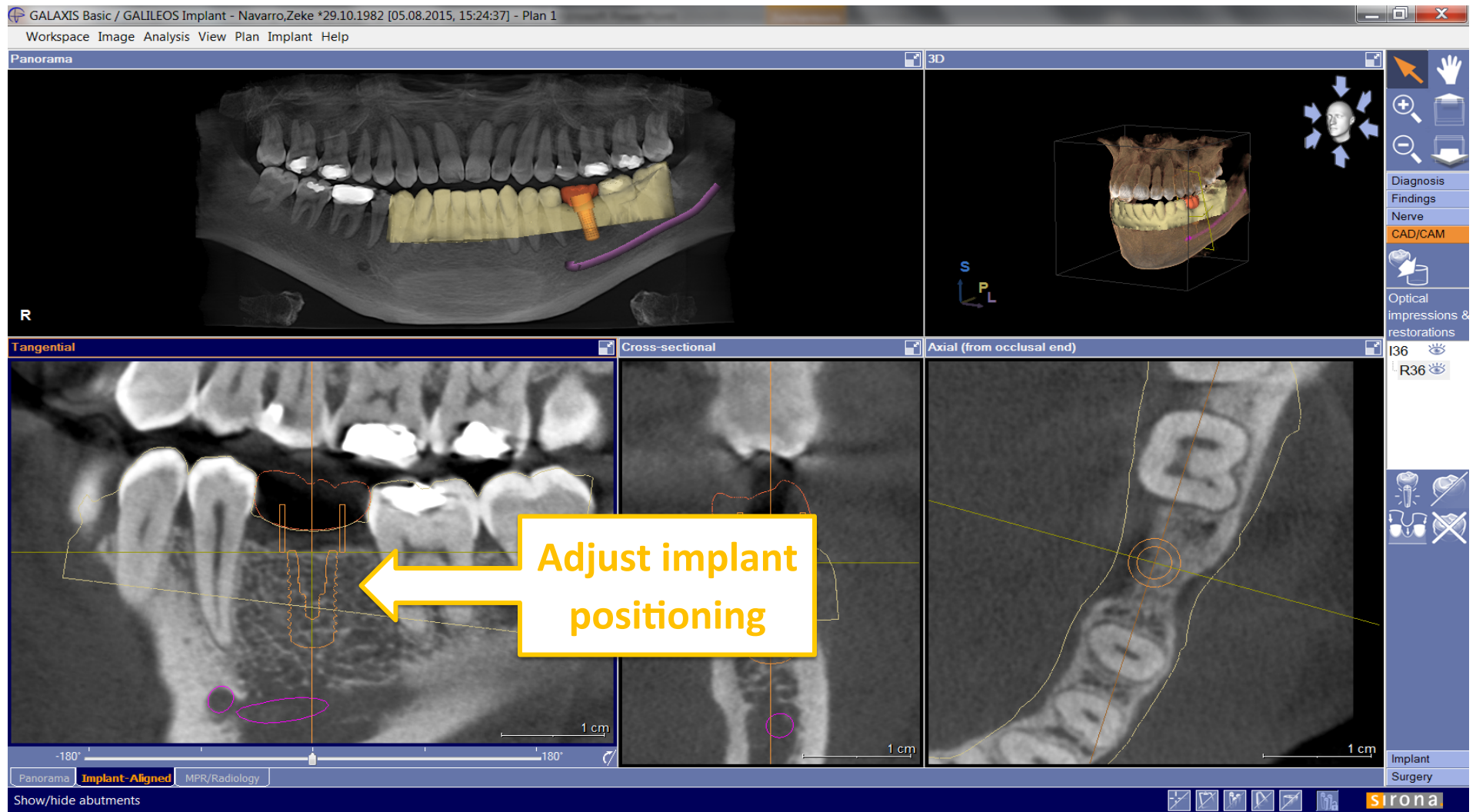
The implant will only be roughly positioned. You still have to adjust the position and the orientation.

Diagnosis Findings Nerve CAD/CAM Optical impressions & restorations I36 R36

Implant Surgery

Show/hide abutments

Sirona



GALAXIS Basic / GALILEOS Implant - Navarro, Zeke *29.10.1982 [05.08.2015, 15:24:37] - Plan 1
Workspace Image Analysis View Plan Implant Help

Panorama

Tangential

Change Implant - Position 36

Implant Abutment Sleeve

1. Verify/Change the sleeve system for this plan
Sirona - CEREC Guide Drill Keys (CEREC Guide 2, SICAT Surgical Guides)

2. Select the sleeve

	5.5/4.5	6.3/5.3	7.0/6.0
5.0			

Drill Key M

3. Adjust the sleeve position

Sleeve position D1 [mm]: 0.0

Sleeve position D2 [mm]: 15.0

Reset

Sleeve position not yet planned.

1. Verify/Change the sleeve system you wish to use for this plan.

2. The table shows all compatible sleeves. All measurements are in mm. Click the sleeve of your choice.

3. Adjust the sleeve position, i.e. the distance between the sleeve and the implant.

You can remove all sleeves by selecting "No Sleeve System".

OK

Cancel

Current implant: 36

Properties: Straumann L RXD Act G

imeters [mm]: 4.8/4.8

Length [mm]: 10.0

Surgery

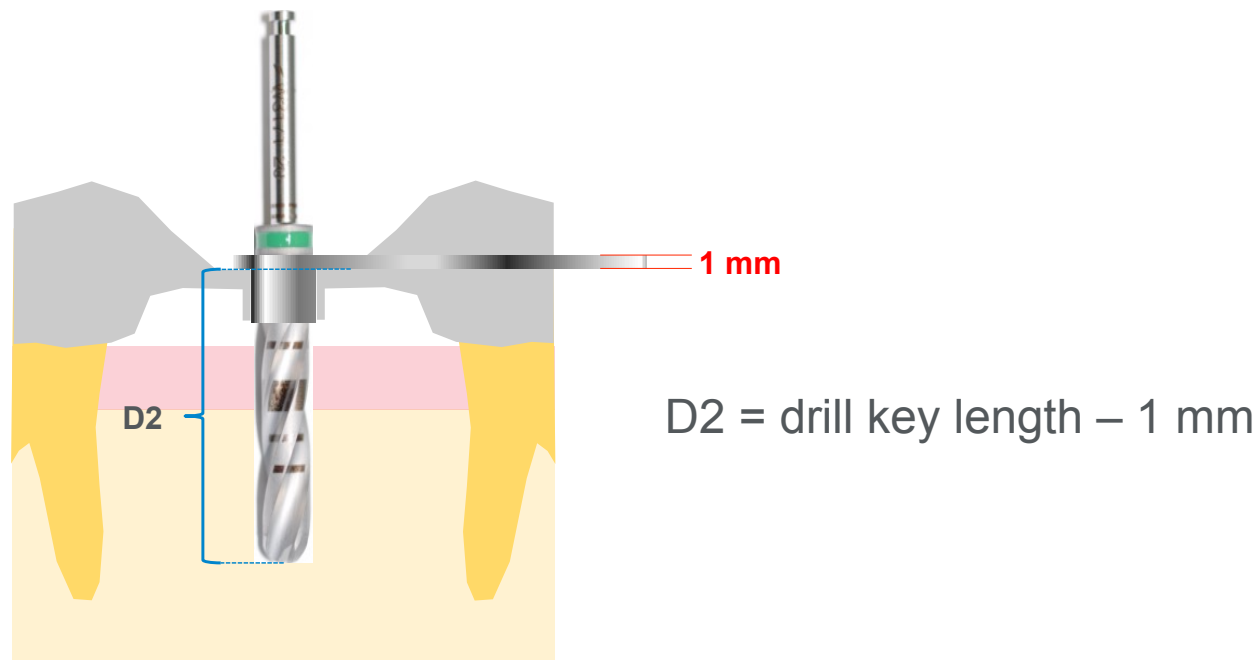
Show/hide abutments

Integrated Implantology

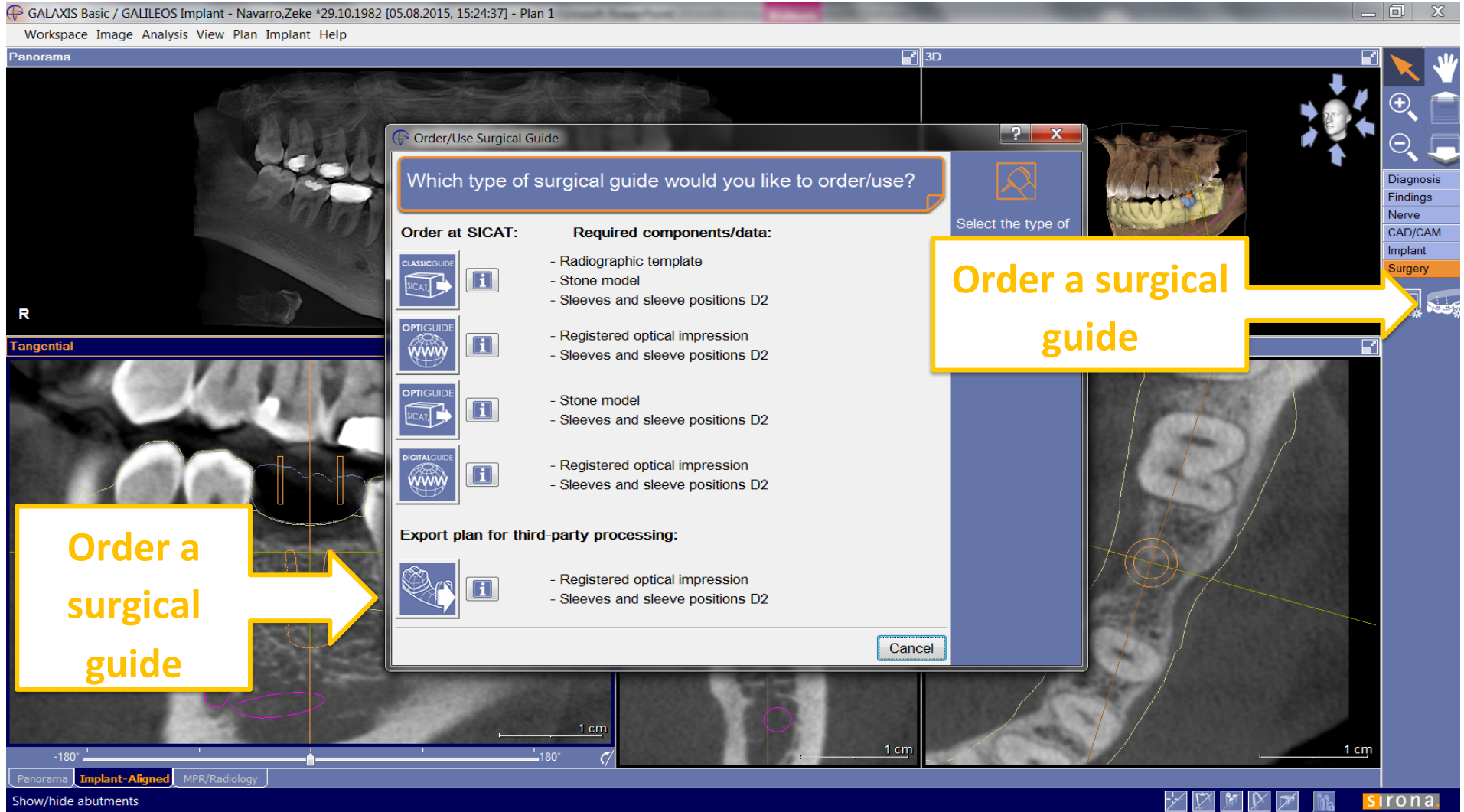
sirona

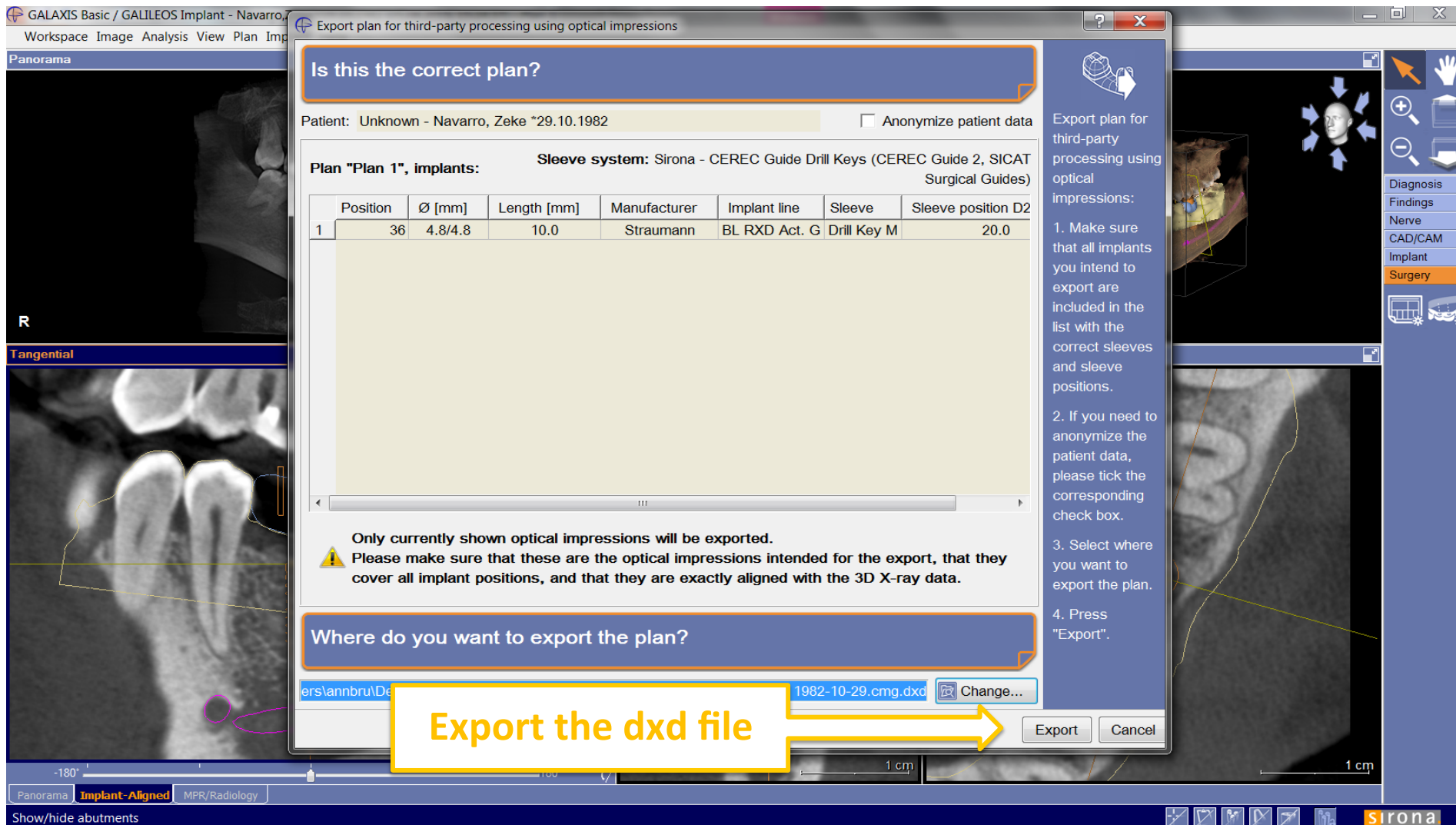
Select the size of the sleeve and adjust its position

Plan – 3D X-Ray D2 Value*



* Applies for CEREC Guide 1 and 2

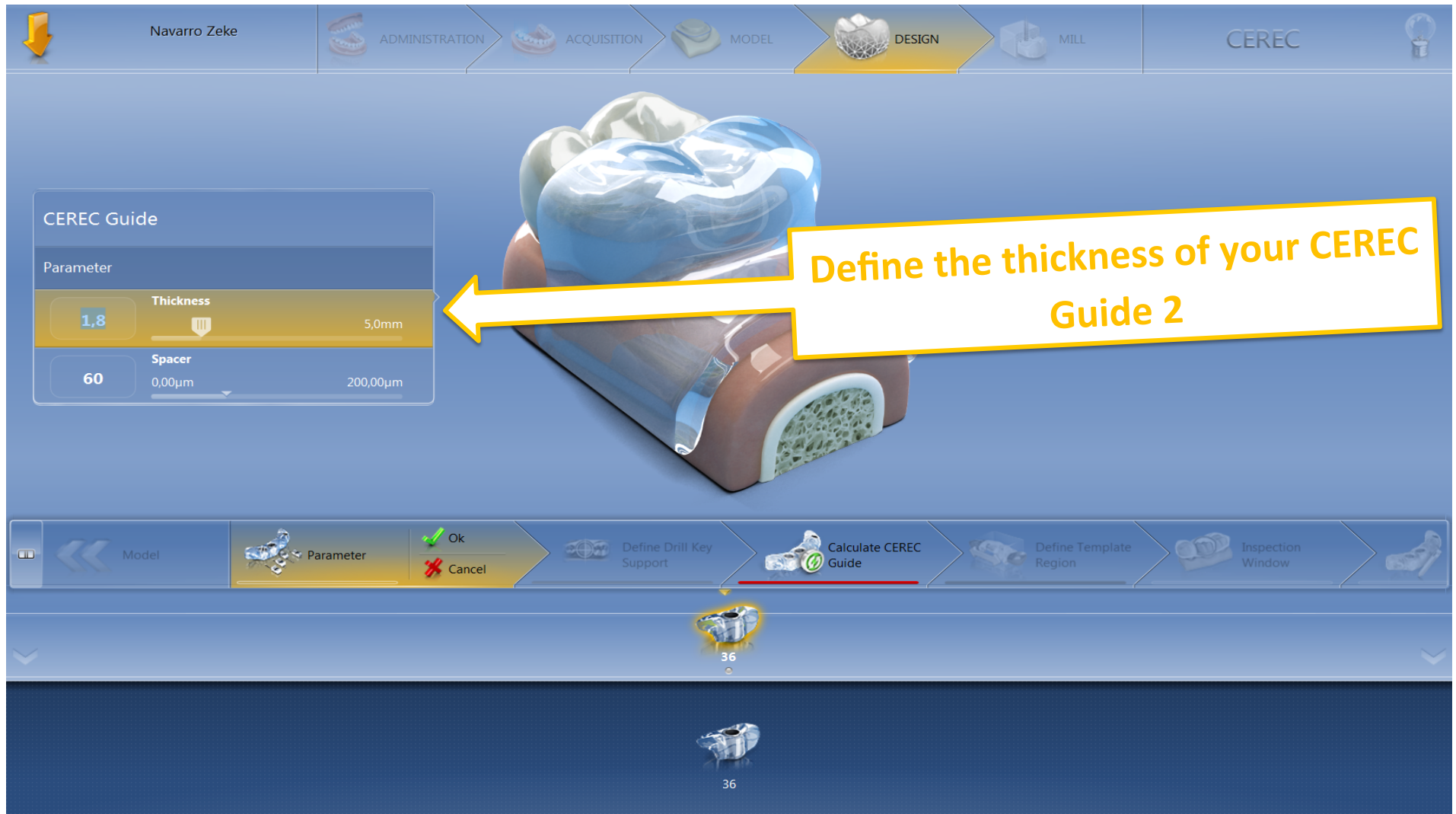




Import
the dxd
file







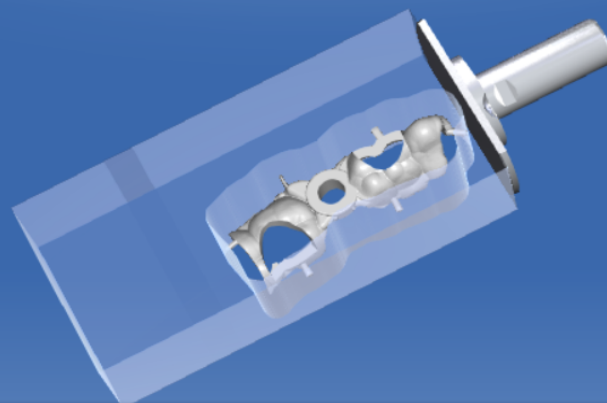




CEREC Guide 2

Devices / Export

MCXL (virtual)



Display Objects

Lower Jaw 100 %

Minimal Thickness

Restoration 100 %

Block

Design

Adjust Mill Position

Start Milling



36

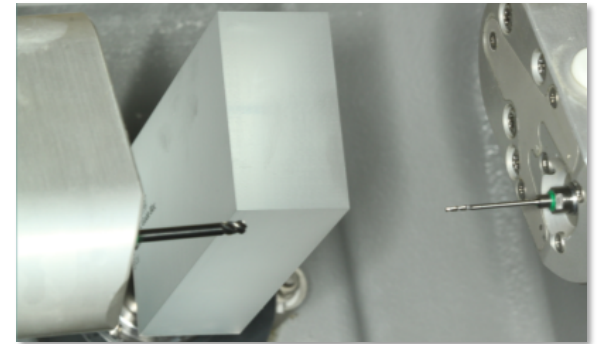


36

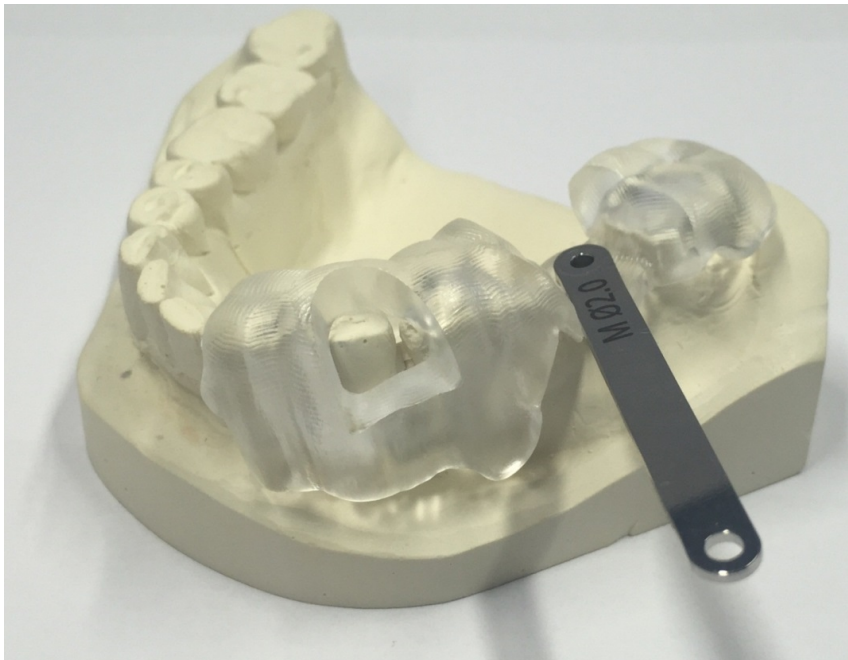
CEREC Guide 2 fast and cost-effective

- No conventional impression necessary
- Production "in-house" in less than 1 hour
- Cost-effective: material costs less than 50€
- Value remains in practice

The fastest and most cost-effective
drilling template world



CEREC Guide 2 Possibilities



CEREC MCX = 1 implant per guide
= max. 55 mm block length

CEREC MCXL = 1 implant per guide
= max. 85 mm block length

CEREC MC X5 = Any number of implants per guide
= Block or disc

Sirona CBCT: GALAXIS / GALILEOS Implant V 1.92

Sirona CEREC CAD/CAM: CEREC 4.4, InLab 15.0