



Introduction

Through 3-D imaging and virtual software, you have a tremendous amount of information to plan your implant cases, including the patient's anatomy and the ideal prosthetic positions of the teeth to be replaced. Our Digital Implant Treatment Planning service allows you to easily integrate this technology into your practice.

This brief guide is intended to walk you through the Digital Treatment Planning and Guided Surgery process utilizing SimPlant. This system has an open architecture. Most implant systems available on the market can be planned with SimPlant software. SurgiGuides can be Tooth-, Tissue- or Bone-Level. SurgiGuide options include:

- The Classic SurgiGuide consists of a guide for each drill diameter (Fig. 1). They are typically Tooth-Level for partially edentulous cases.
- The Universal SurgiGuide includes one guide. Keys for each diameter drill slide into the sleeve(s) in the Universal SurgiGuide. A Universal SurgiGuide Kit from Materialise is required.
- A SAFE SurgiGuide (one guide) is available for use with Astra Tech Facilitate, Biomet 3i, Straumann Guided and NobelGuide Surgical Kits

Important: The drill lengths for guided surgery are longer than for standard implant surgery because you are going through a SurgiGuide. The drill depth for each implant will be listed on a Surgical Guideline that comes with your SurgiGuide (Fig. 2). The depth is determined by three numbers: the length of the planned implant + the height of the SurgiGuide sleeve (5 mm) + the prolongation area (the distance from the bottom of the sleeve to the top of the implant). **The patient's vertical opening should be evaluated to ensure he or she is a candidate for Guided Surgery.**

A critical step in the SimPlant process is the accurate fabrication of the Scan Appliance (Fig. 3a, 3b). This appliance, worn by the patient during the CT scan, sets the ideal position of the teeth to be replaced.

- The dual Scan Appliance is clear acrylic with gutta-percha markers.
- The single Scan Appliance is processed in a 20 percent barium sulphate mix for the teeth to be replaced and has a clear base.

Submitting a Digital Rx

Our secure online portal allows you to easily submit your Rx and CT scan files. You can also access all information related to your case, including a viewer version of your digital implant plan, through your online account. To login, visit inclusivedental.com (Fig. 4).

- Select "Treatment Planning" on the homepage, then "Dentist" under "Submit Digital Case."
- Sign in to "My Account" (Fig. 5). To set up your online account, please call Customer Service at 800-854-7256.
- Fill out your Digital Rx (Fig. 6), including how you will be sending your CT scan files.
- Print Digital Rx and include it with your impressions and bite registration when ordering a Scan Appliance.

Note: You will receive an e-mail notification of your submission.



Fig. 1 Classic SurgiGuide

Maxilla	Mandible	Upper	Lower
Implant Label	1	2	3
Implant length (mm)	13.0	13.0	13.0
Implant platform diameter (mm)	4.8	4.8	4.8
Line of SurgiGuide in sequential order	Drilling		
Total drill length (mm)	22.4	22.4	22.4
Implant Prolongation (mm)	4.8	4.8	4.8
Drill diameters			
SurgiGuide #1	1.25	1.25	1.25
SurgiGuide #2	1.25	1.25	1.25
SurgiGuide #3	1.25	1.25	1.25
Tissue level diameters			
SurgiGuide #1	1.25	1.25	1.25
SurgiGuide #2	1.25	1.25	1.25
SurgiGuide #3	1.25	1.25	1.25

Fig. 2 Surgical Guidelines

Fig. 3a Dual Scan Appliance



Fig. 3b Single Scan Appliance



Fig. 4 Start by logging on to our website.



Fig. 5 Sign in to "My Account."



Fig. 6 Fill out Digital Rx.

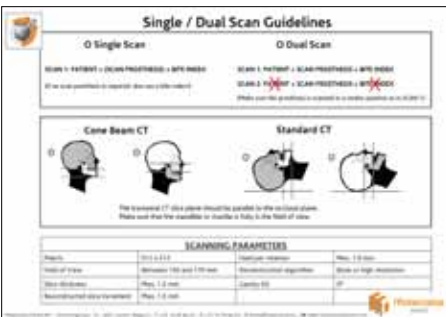


Fig. 7 CT Scan protocol



Fig. 8 Upload and send DICOM files.

■ First Appointment

- Utilizing a stock tray, take full-arch impressions and a bite registration.
- Print Digital Rx and include it with your case.

■ Second Appointment

- Try-in Scan Appliance and Scan Index.

Note: A Scan Index is a bite registration of the Scan Appliance to the opposing dentition.

- Send the patient for a CT scan (Fig. 7). Include a copy of the SimPlant scanning protocol with your radiographic Rx. A copy of the scan protocol is available at the bottom of the SimPlant section of our website.

Important: Ensure the Scan Appliance is completely seated during the patient scan.

■ Submitting DICOM Folders

- Click on the link in the e-mail notification verifying receipt of your Digital Rx. Upload the folder containing the patient's DICOM files (Fig. 8).
- Click on "Browse" and locate the DICOM folder.
- Click "Attach."
- Click "Send."

■ Web Conference

Once the draft of your plan is prepared, you will be contacted by the Digital Treatment Planning administrator to arrange a conference to review and finalize your digital plan. If you are part of a surgical-restorative team, we encourage all members to take part in the Web conference.

■ Reviewing and Accepting Digital Plan

All information regarding your case can be accessed through "My Account."

- Sign in to "My Account" by clicking on "Treatment Planning," then "Dentist" under "Submit Digital Case."
- Click on "Open Cases" under "Case Status and Shipping" in the toolbar.
- Select "Details" for the selected case. Here you can access:
 - a. Your original Digital Rx
 - b. Pathology Report (if one was ordered)
 - c. Plan Viewer — You can download a Viewer version of your plan.
 - d. Print Plan — A PDF of your plan can be printed.
- To accept the plan:
 - a. Click on "Plan Viewer/Approval."
 - b. Check the "Accept" box; fill in your electronic signature and license number (Fig. 9, next page).
 - c. Click submit.

Note: The SurgiGuide for your case will not be ordered until you submit your acceptance.

Important: You, as the treating clinician, are responsible for the plan. Carefully review your plan before you accept it.

■ Third Appointment

- Try-in SurgiGuide to verify fit.

■ Fourth Appointment

- Perform Guided Surgery procedure per SimPlant protocol (Fig. 10). Deliver provisional if indicated (Fig. 11).

■ Follow-up Appointments

- Schedule follow-up and recall appointments following standard implant protocol. Continue to final restoration when appropriate (Fig. 12, 13).

Patients Name: 1001 1001 Case #: 1010622106

To download the SimPlant Viewer (see first article) Click Here

To view PDI system requirements and instructions for the Click Here

SimPlant viewer

To view PDI system requirements and instructions for the Click Here

Print/Export viewer

To view the plan please Click Here

I accept the following plan. I am aware that there are inherent risks that can occur during assembly, manufacturing and surgical procedures. This plan is based on the information provided. The ultimate responsibility lies with the dentist placing the implants.

Signature (Name): Richard Salazar, DDS

License Number: 00000000

Date: 1/26/2018

Fig. 9 Accepting the plan



Fig. 10 Guided surgery



Fig. 11 Provisional restoration



Fig. 12 Following healing period



Fig. 13 Final restoration



Lab Fees

Digital Treatment Planning provides total control for implant restoration

■ SIMPLANT# PACKAGES

The Classic SurgiGuide consists of up to three guides per case.

SIMDTXSG (Digital Plan, Classic SurgiGuide)

SIMPKG (Digital Plan, Classic SurgiGuide, Scan Prosthesis)

Digital Plan

Classic SurgiGuide

Scan Prosthesis (Partially/Fully Edentulous)

■ ASTRA FACILITATE# PACKAGES

Facilitate consists of one guide per case. Facilitate Surgical Kit is required.

FAC1 (Digital Plan, Facilitate SurgiGuide)

FAC2 (Digital Plan, Facilitate SurgiGuide, Scan Prosthesis)

Digital Plan

Facilitate SurgiGuide

Scan Prosthesis (Partially/Fully Edentulous)

SAFE SurgiGuide consists of one guide per case. SAFE Surgical Kit is required.

SSGDTX (Digital Plan, SAFE SurgiGuide)

SSGPKG (Digital Plan, SAFE SurgiGuide, Scan Prosthesis)

Digital Plan

SAFE SurgiGuide

Scan Prosthesis (Partially/Fully Edentulous)

■ BIOMET 3i NAVIGATOR# PACKAGES

Navigator consists of one guide per case. Navigator Surgical Kit is required.

NAV1 (Digital Plan, Navigator SurgiGuide)

NAV2 (Digital Plan, Navigator SurgiGuide, Scan Prosthesis)

Digital Plan

Navigator SurgiGuide

Scan Prosthesis (Partially/Fully Edentulous)

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Quick Reference

	Doctor	Glidewell
1st Appointment	Take impression and bite registration. Fill in and submit Digital Rx.	Pour and articulate models. Fabricate Scan Appliance and Index.
2nd Appointment	Try-in Scan Appliance / Index. Send patient for CT scan. Upload CT (DICOM) folder.	Convert DICOM files in SimPlant software. Draft implant plan based on Digital Rx.
Web Conference	Review and finalize plan.	Post Viewer and printable versions of plan.
Accept Plan	Accept plan through "My Account."	Order SurgiGuide. QC SurgiGuide on model. Fabricate master cast and provisional restoration (if prescribed).
3rd Appointment	Try-in SurgiGuide.	
4th Appointment	Perform Guided Surgery procedure per SimPlant protocol. Deliver immediate provisional (if indicated).	
Follow-up and Recall Appointments	Schedule follow-up appointment per standard implant protocol. Continue to final restoration when indicated.	



866-497-3692
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