iTero Element Intraoral Scanner Restorative Training Guidebook

with Invisalign Treatment

May 2018

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Hardware

iTero Element 1

Optional counter stand may be purchased separately

- High definition multi-touch 19 inch display
- Works with all clinical glove types
- Refer to Operation Manual for cleaning and disinfection instructions

The on / off power button is located at the bottom right-hand corner of the system under the power indicator light.

The iTero element 1 is the first generation iTero element. It is a small modular unit on a wheeled base for ease of movement between operatories.

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Wheel Base

Power Cord

Wheel Locks

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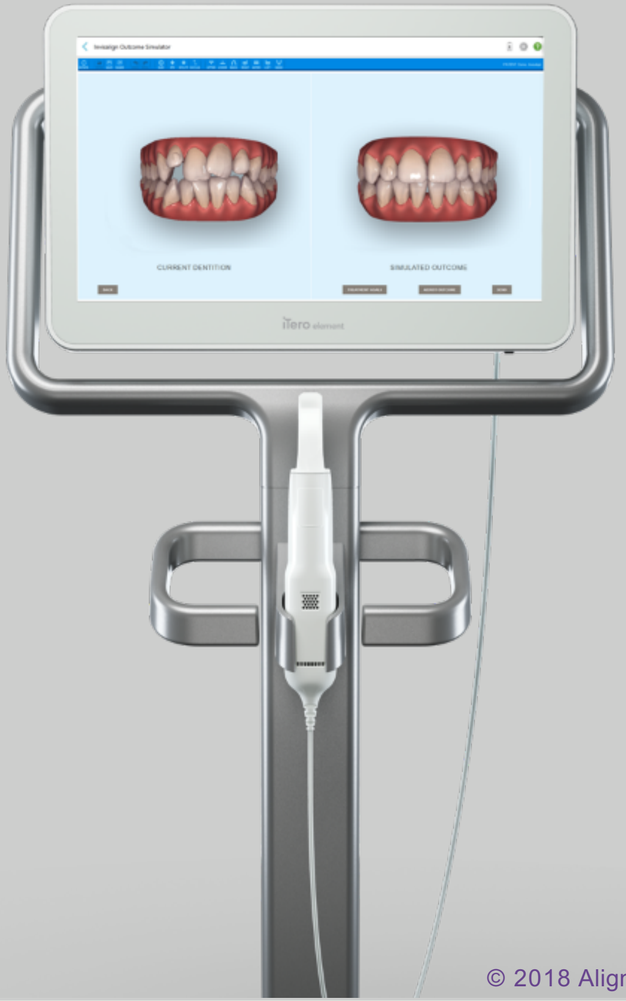
iTero element 2



Next-generation computing

21.5" touch widescreen delivers better visualization with enhanced color

Ergonomic, centered cradle provides easy wand access

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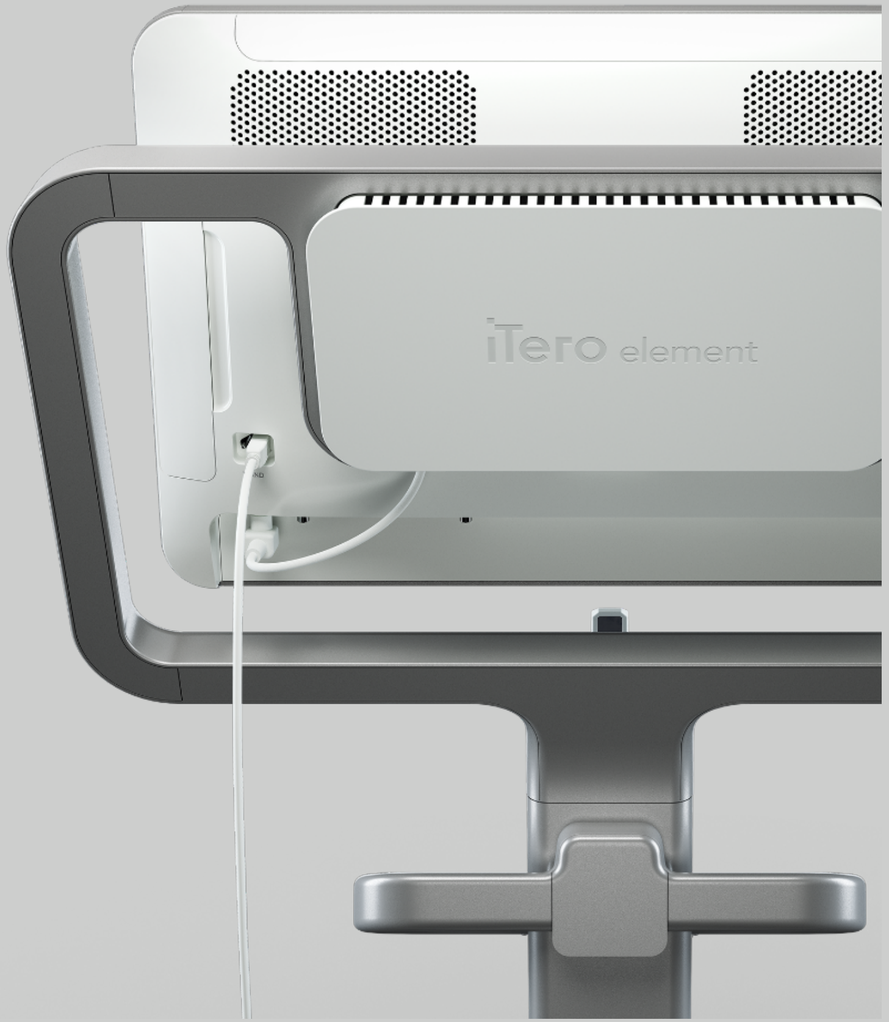
iTero element 2

Long-lasting, rechargeable battery for easy mobility without plugging in or rebooting



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iTero element flex

Compatible laptop
(purchase separately)

Wand & Hub only system

“Simulated clinical environment. “Laptop and all its accessories shall be located at least 1.5 m away from the patient. Do not scan a patient and touch the laptop or any of its accessories at the same time

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iTero element flex

Portable, ideal for multiple office practices

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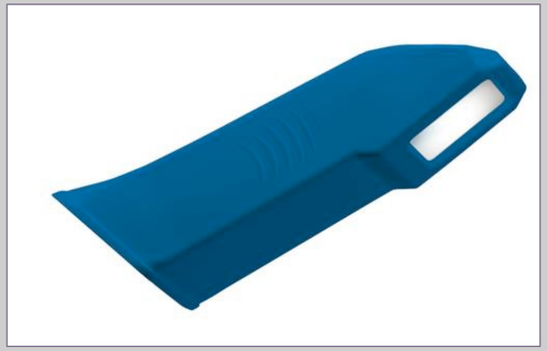
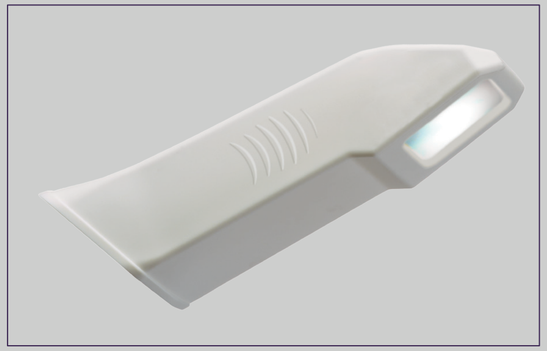
Scanner Sleeves



Blue protective sleeve protects the lens when the wand is not in use.



Disposable sleeve is made for single use on patient scanning. Discard sleeve after every patient.

Note: Please do not touch the wand lens.

Confirm sleeve is completely seated prior to scanning.

To remove and place sleeve use the side grips.

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Wand Controls

To activate the wand touchpad, press and release both side buttons simultaneously.

To start and stop scanning, press and release either of the side buttons.

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Holding the Wand

For proper ergonomics and to avoid fatigue, make sure the elbows are close to the body, holding the wand in the thin area behind the wand sleeve.

Do not cover the air vents.

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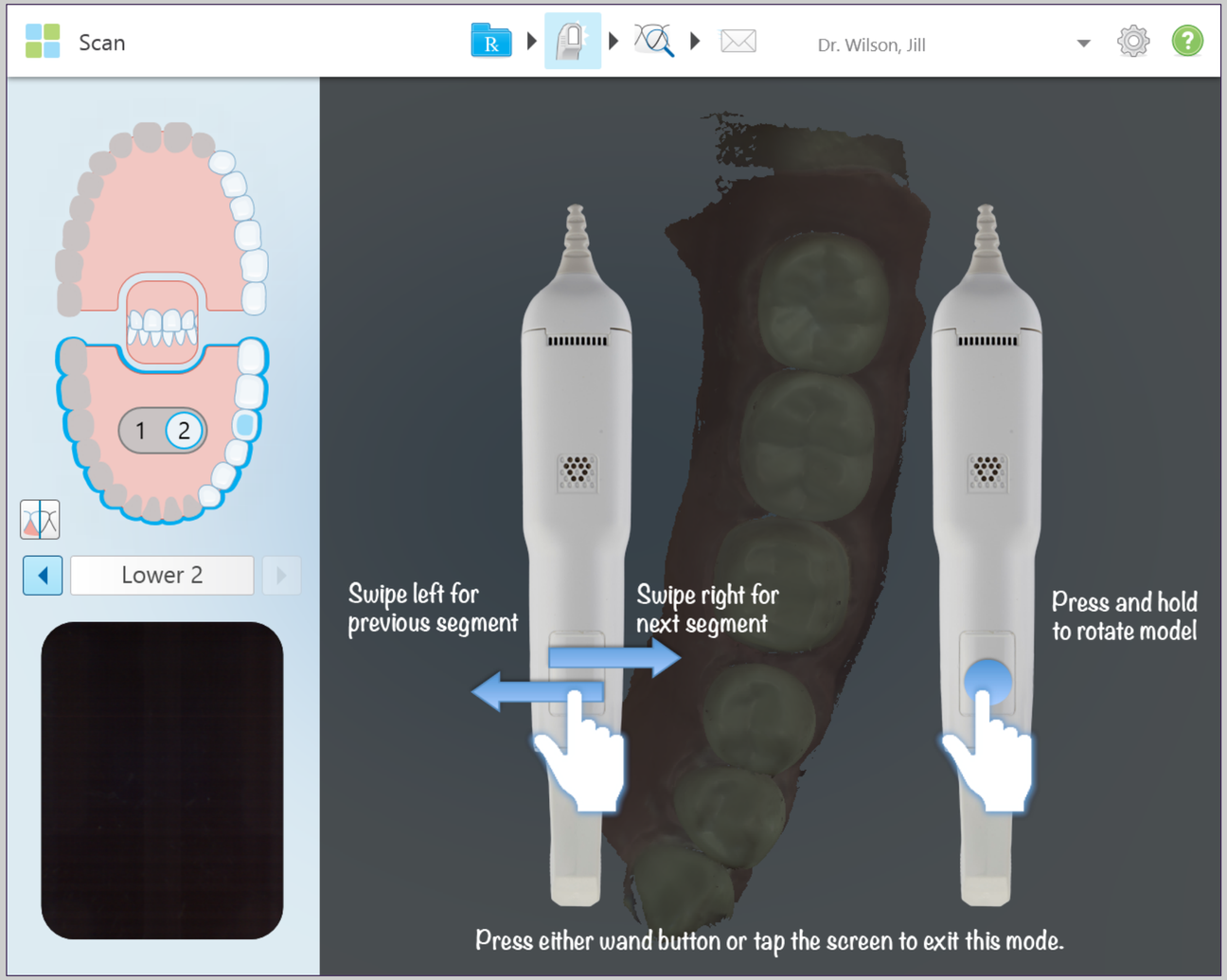
Wand Controls



Pressing and releasing both the buttons simultaneously will activate the touchpad. Once activated swiping the touchpad on the wand will allow movements between scan segments.

The current scanning segment is displayed in the indicator box between the arrows.

To rotate the model on the screen press and hold the wand touchpad.

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Care and Maintenance

Recommended best practices for cleaning and disinfecting the Scanning Unit, Base Unit, Wheel Stand, and / or Counter Stand in between each patient use.

- Do not spray disinfectant directly on scanner system surfaces
- Spray the disinfectant on a towel, or use disinfectant wipes for the Scanning Unit and Base Unit
- Follow the disinfectant manufacturers' instructions for appropriate contact time
- Remove residual liquid disinfectant with a lint-free, clean cloth

Description	pH	Manufacturer
Birex Quat Wipes	7.6	Biotrol Intl.
CaviCide AF	12.7	Metrex
CaviCide CaviWipe	12.5	Metrex
CaviCide 1 CaviWipe 1	12.5	Metrex
Clorox Healthcare Hydrogen Peroxide Cleaner Disinfecting Liquid	2-3	Clorox Healthcare
Clorox Healthcare Hydrogen Peroxide Cleaner Disinfectant Wipes	2-3	Clorox Healthcare
Opti-Cide 3 Liquid	7.6	Biotrol Intl.
Opti Cide 3 Wipes	7.6	Biotrol Intl.
OPTIM 33TB Liquid	2.5-3.5	SciCan Inc.
OPTIM 33TB Wipes	2.5-3.5	SciCan Inc.
ProSpray	10	Certol
ProSpray wipes		
Webcol Alcohol Prep Pads	7	Medtronic

*Please refer to Operations Manual for further instructions.

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Logging In

Make It Mine / Registering the System

To register the iTero Element system, have the following information available*

- User Name
- User Password
- Company ID

To retrieve User Name, User Password, and Company ID, please contact **iTero Customer Advocacy at 1 800 577 8767**.

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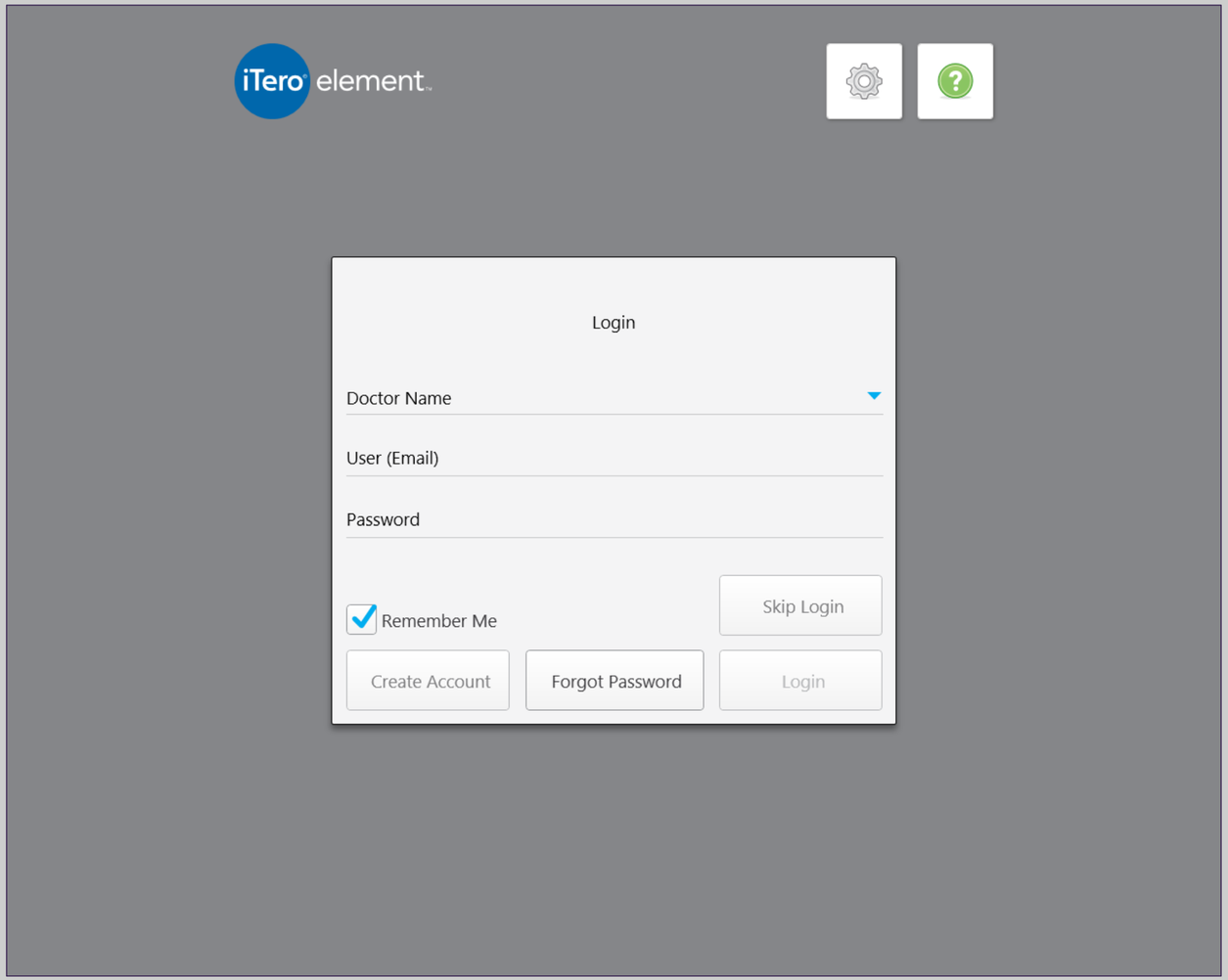
Logging In



- To log-in to the scanner,
- Choose the doctor name
- Enter user name and password*
- Check the ‘Remember Me' box to remain logged on to the scanner for 9 hours

To retrieve User Name, User Password, and Company ID, please contact iTero Customer Advocacy at 1 800 577 8767.

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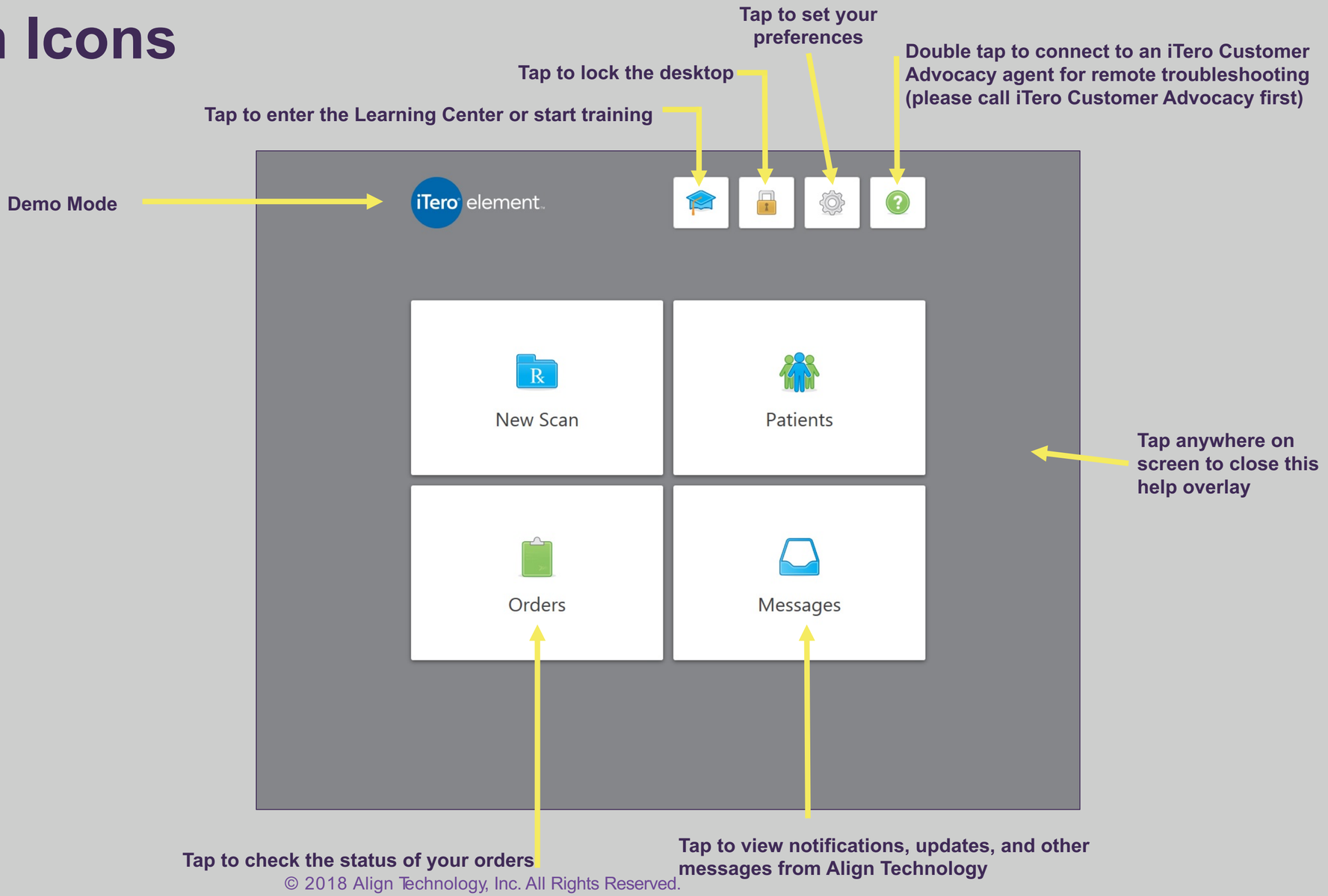
Home Page

Home Screen Icons



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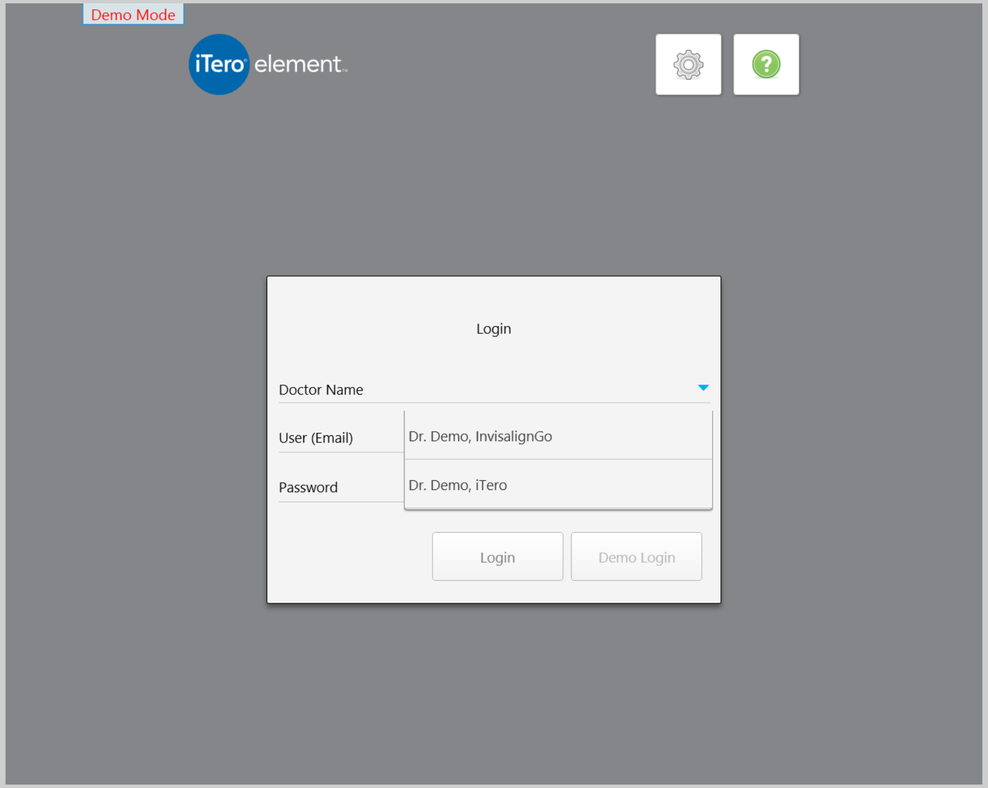
Home Page

Demo Mode

Tap on the iTero Element logo then select the demo mode button



Select a user and log in

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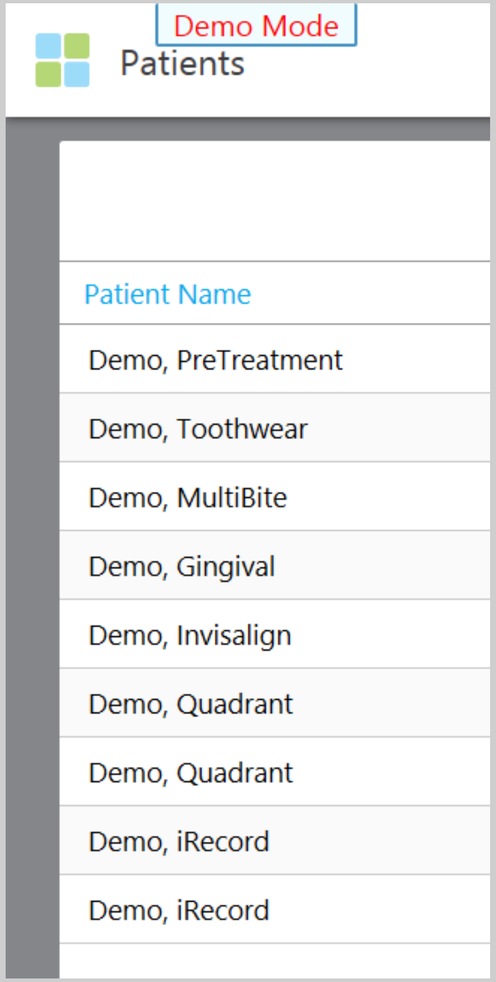
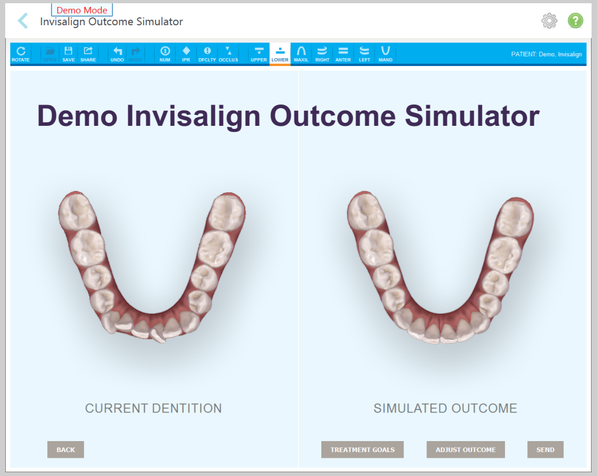
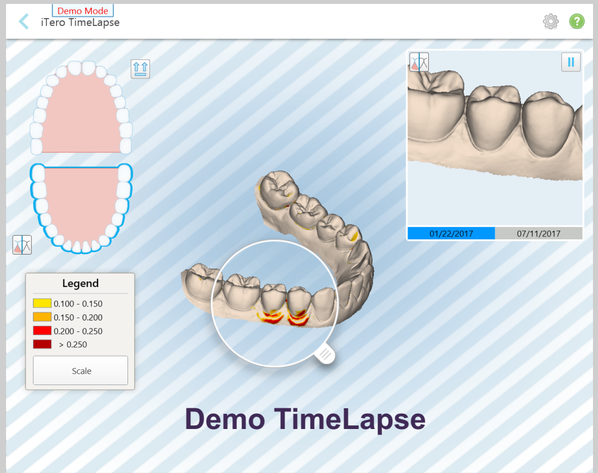
Home Page

Demo Mode





Explore Demo cases in Patients Tab



The background wallpaper is stripped alerting you to demo mode status

Practice scanning by selecting the new scan icon, completing the Rx and scanning according to the protocol for the selected case type. Note: Cases scanned in demo mode cannot be submitted for production.

Demo mode is effective for allowing team members new to scanning practice and review cases prior to completing a clinical case.

To exit demo mode tap on the iTero Element logo and choose exit demo mode.

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Small Icons – Learning Center

The graduation cap is the link to the Learning Center.

Select this icon to access all training support materials

- Online training videos
- Training and reference documents
- Register and view webinars

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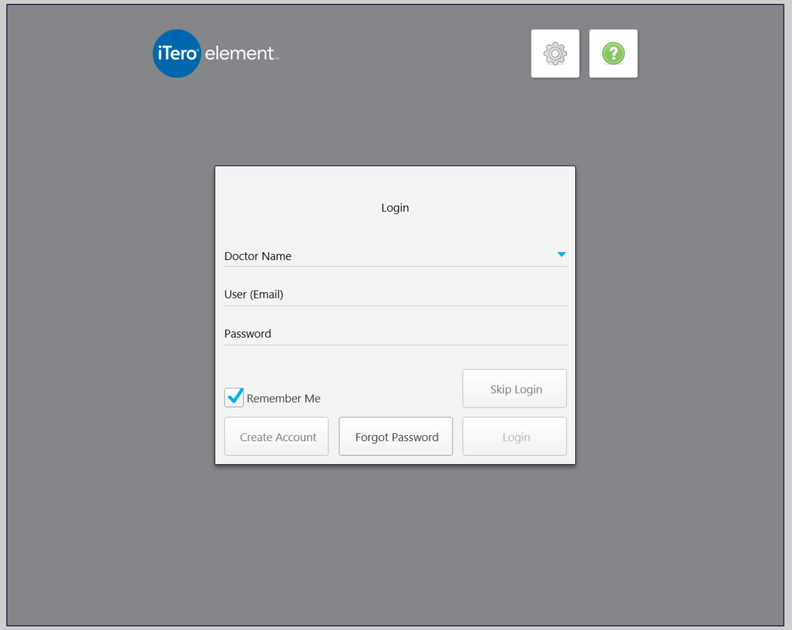
Small Icons – Lock



To further support patient privacy regulations compliance, the Lock option secures the desktop and returns screen to the login page.

Locking the system for cleaning is helpful to avoid unintended entries.

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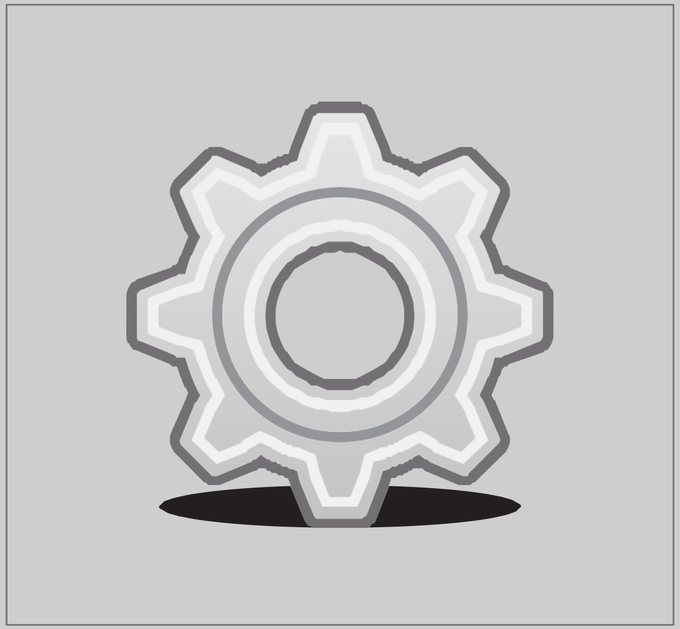
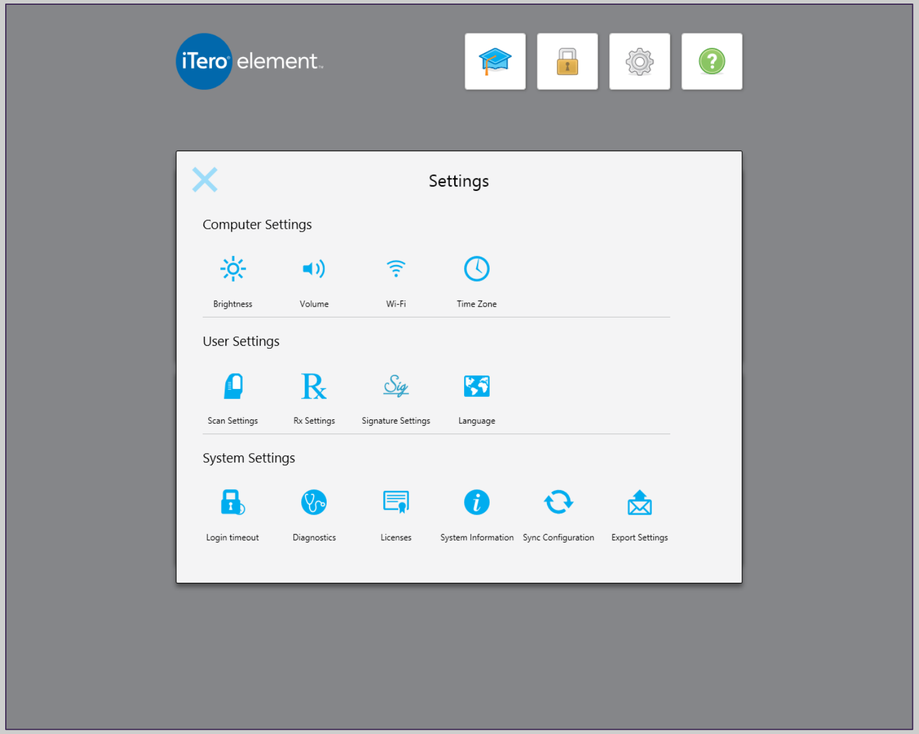
Small Icons – Settings





Tapping on the Settings icon brings the screen which allows the change of computer settings, scanner settings, time zone, language, add the Doctor's signature, license number, and sync the system for any new updates.

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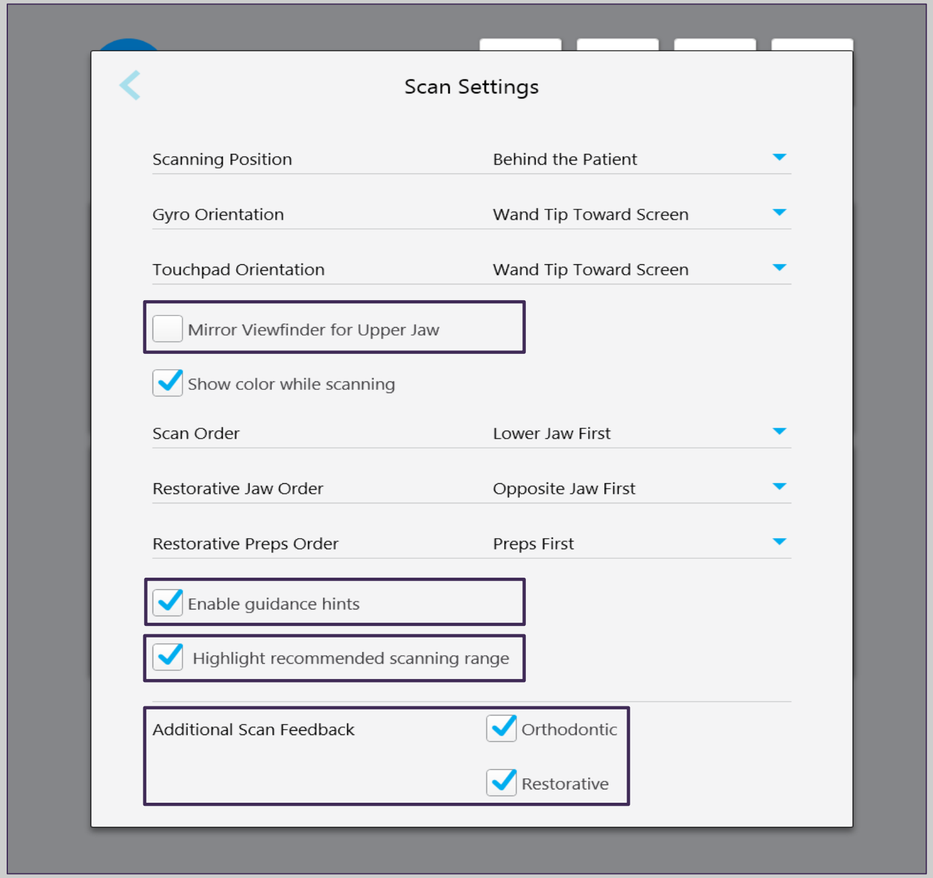
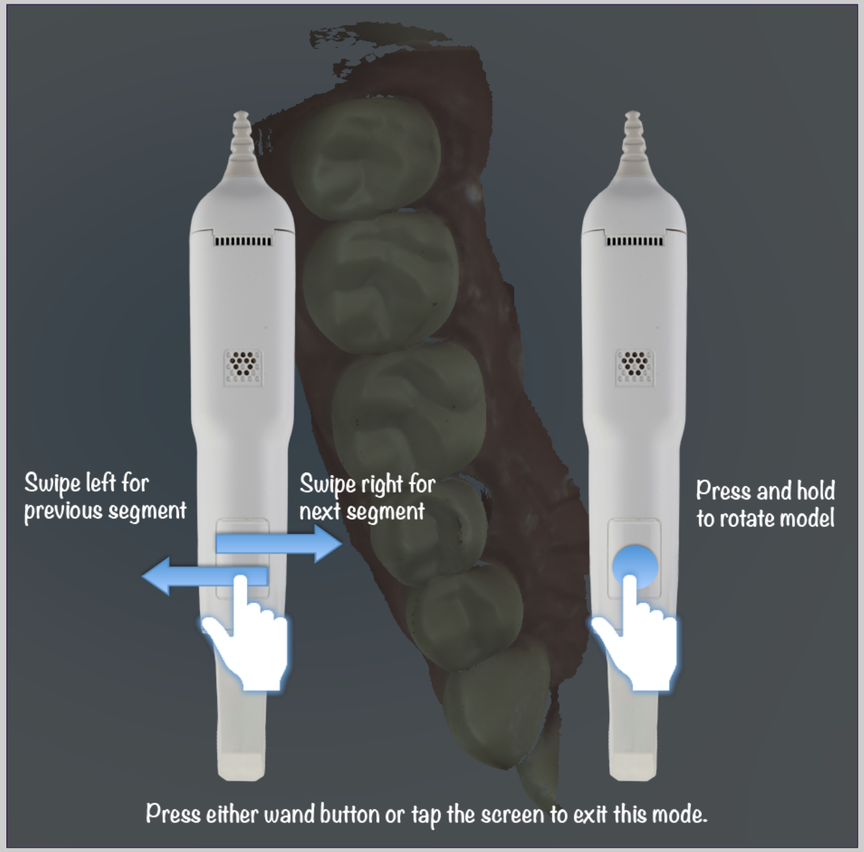
Home Page

Settings – Scanner Settings



Enabling the color while scanning, recommended scan range, guidance hints and additional scan feedback will provide the most supportive scanning experience



Within the Scanner Settings, select the preference for the Gyro and Touchpad orientation.

For example, in the above picture, the selections are for the wand tip toward the screen for the gyro and the base toward the screen for the touchpad.

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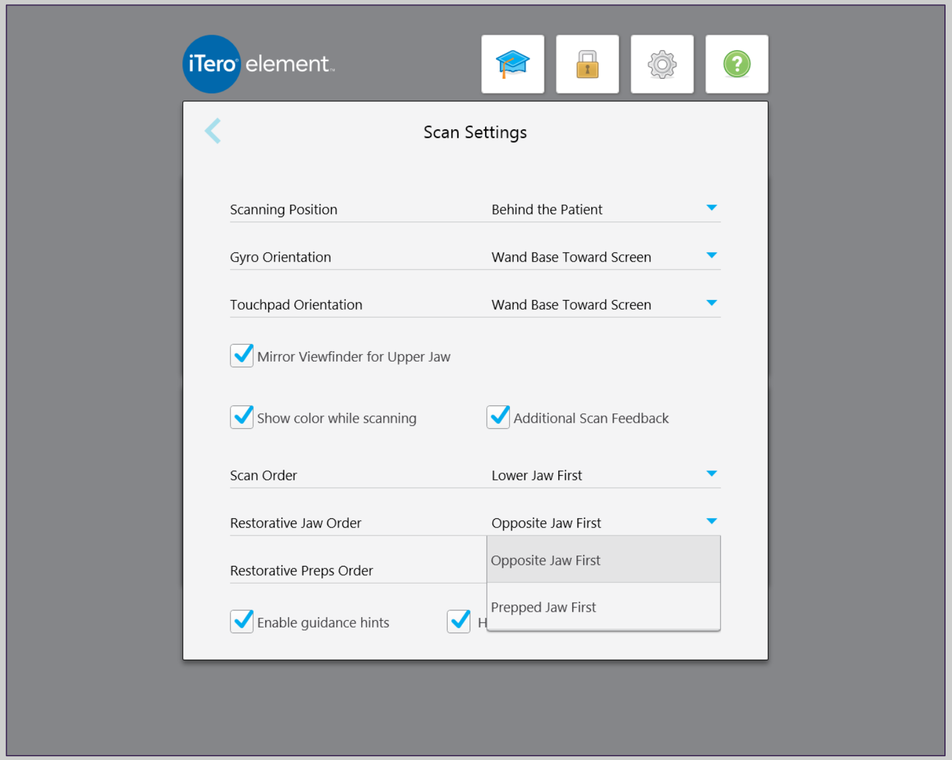
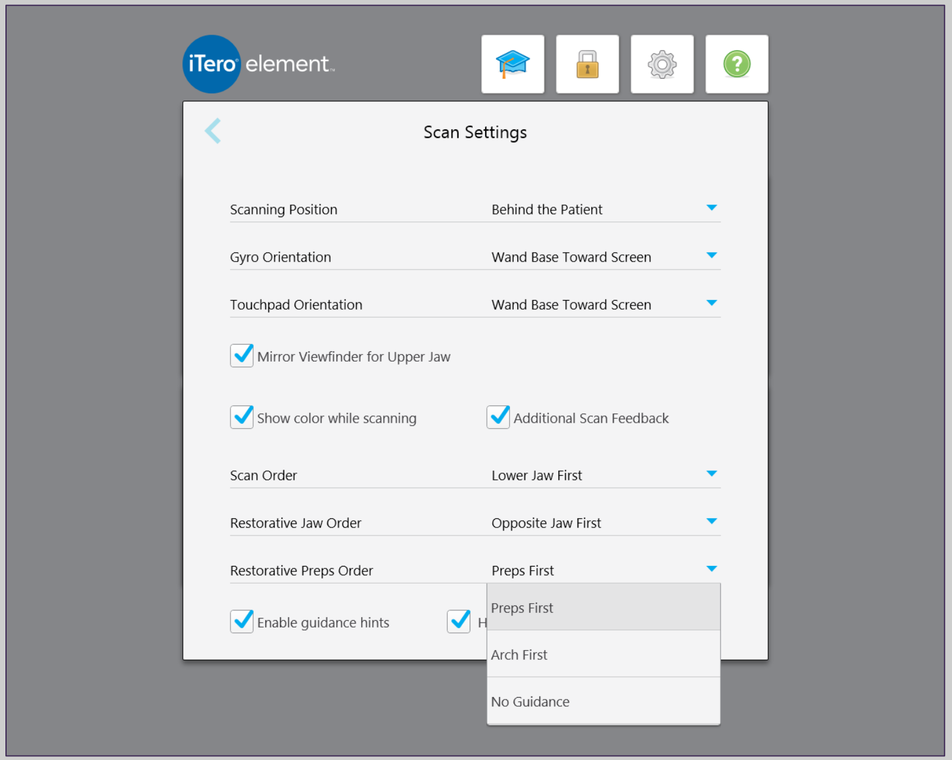
Settings – Scanner Settings

Change the Scan Order.



Jaw Order



Preparation Order

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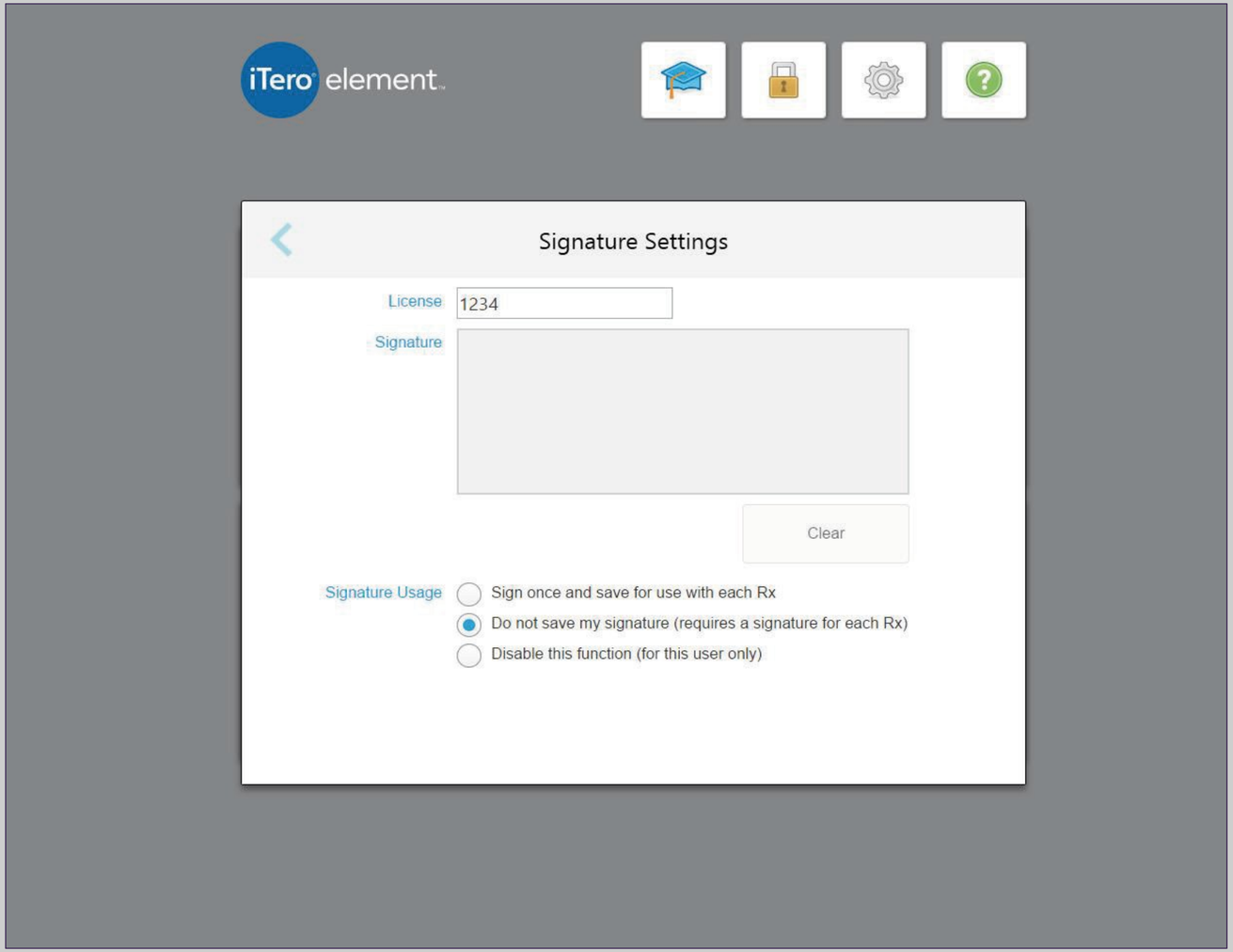
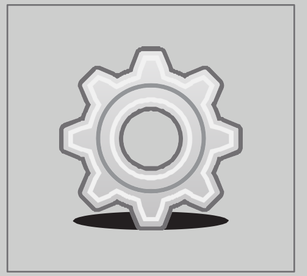
Settings – Scanner Settings





- Enter doctor license number in the box provided
- Sign in the signature box
- Select preferred option

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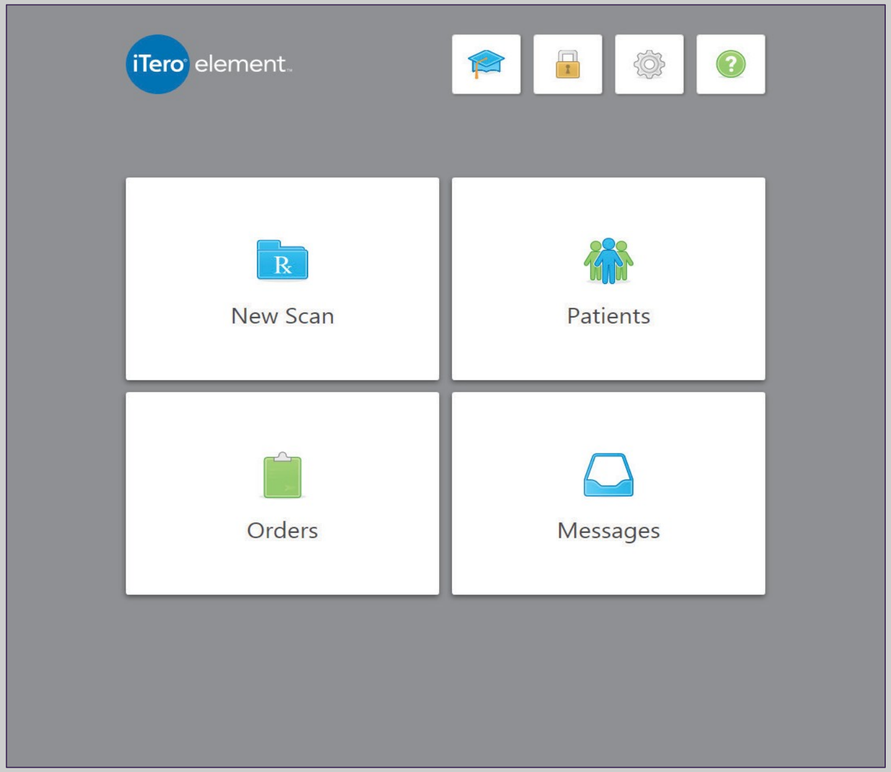
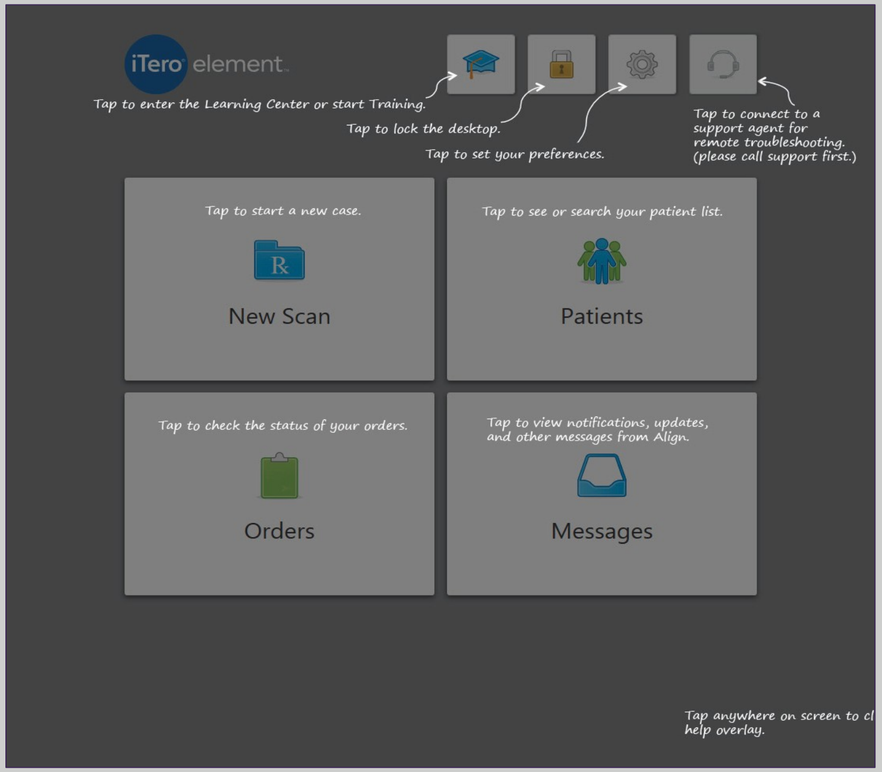
Home Page

Help Overlay





One tap on the question mark will enable a transparent overlay that will provide a brief overview. Tap anywhere to close the Help screen and return to the relevant screen.

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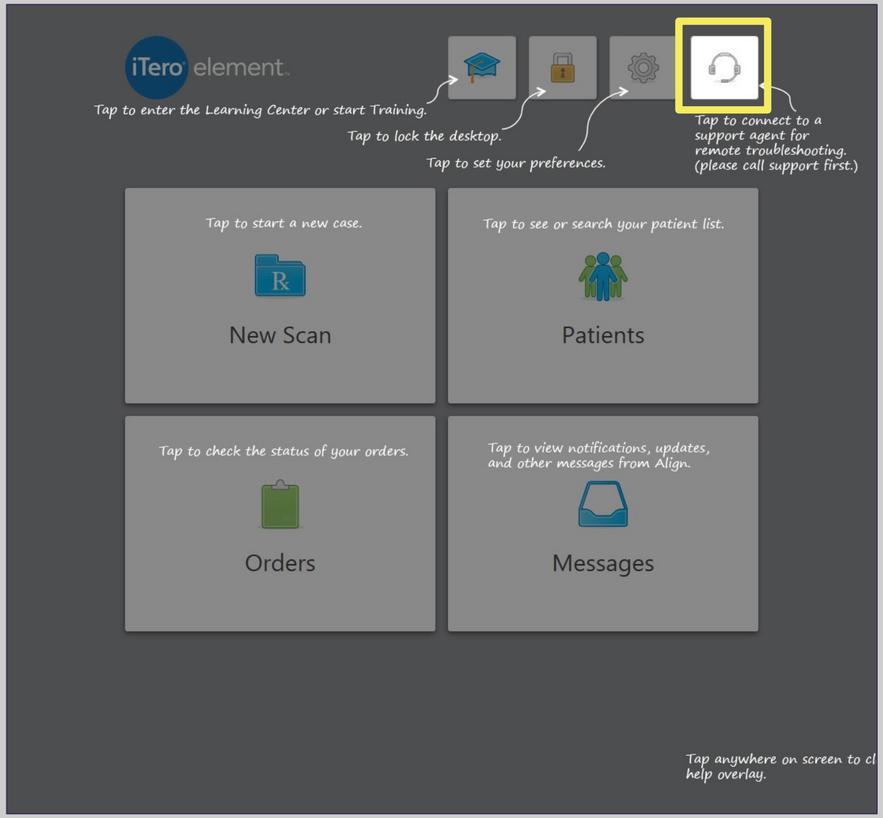
iTero Customer Advocacy



Tapping on the headset will allow for remote assess for troubleshooting. Contact iTero Customer Advocacy first at 1 800 577 8767.

After contacting iTero Customer Advocacy, an agent will review the specific steps in order to connect remotely.

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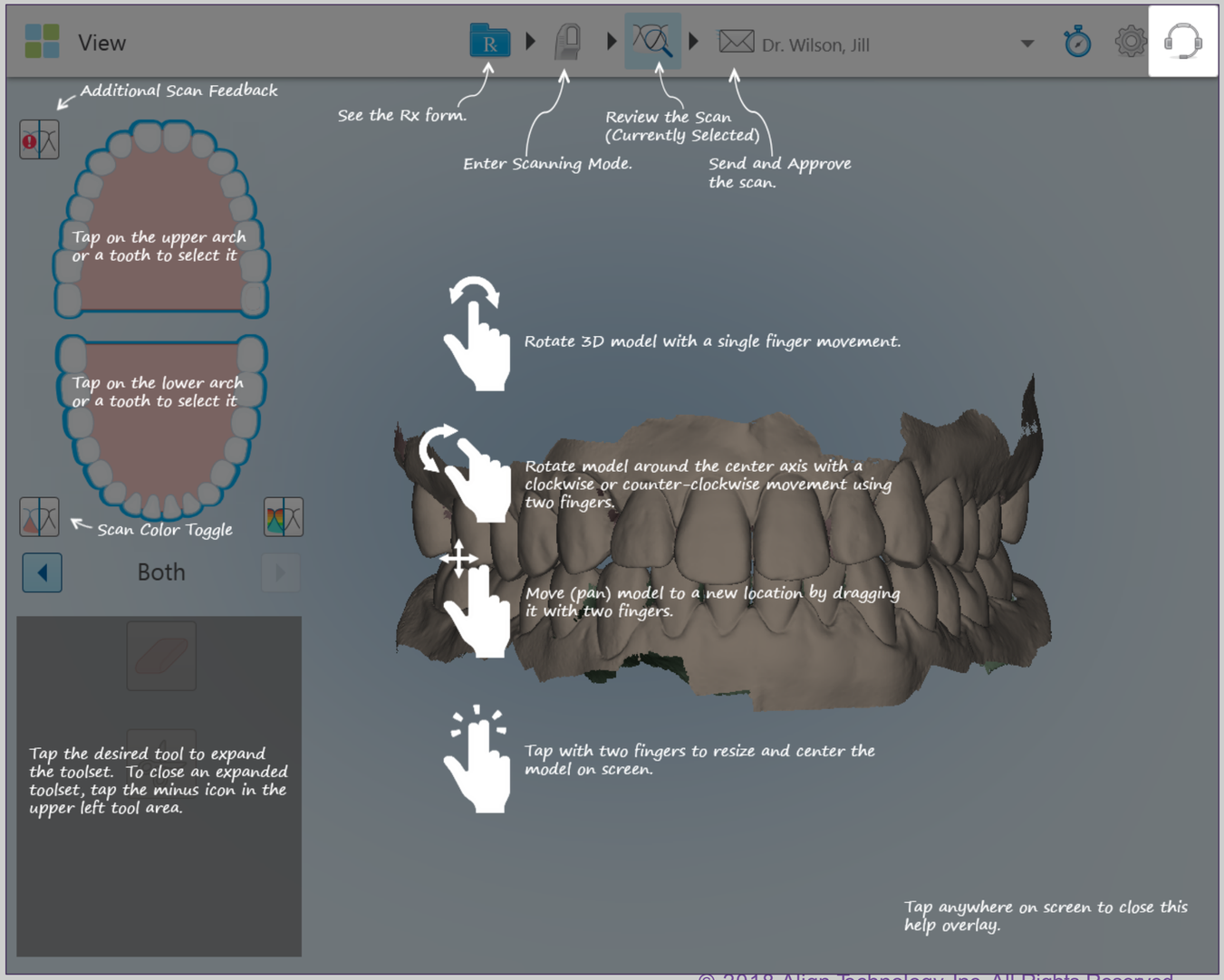
Help / Display Screen Gestures



- Tap on the help icon for context sensitive overlays with instructions and tool descriptions
- Use fingers to rotate, move, or zoom in on the scanned model for analyzing

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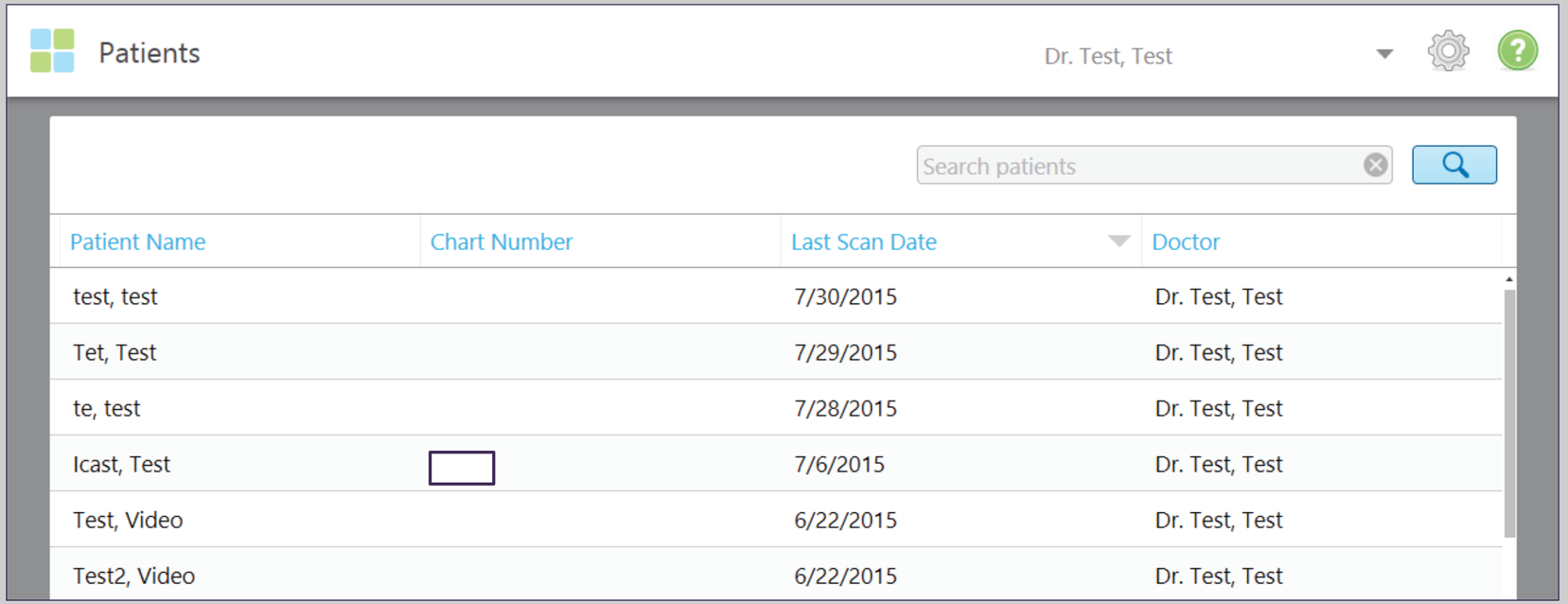
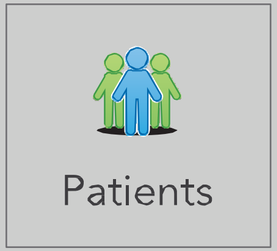
Home Page

Patients





To search for a patient from the iTero database, select the Patients icon on the home page.

The Patients order list will open.

Search by patient name or chart number to find the patient.

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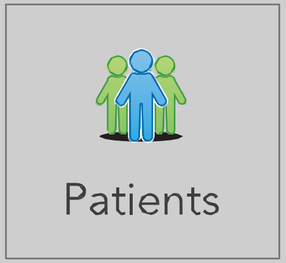
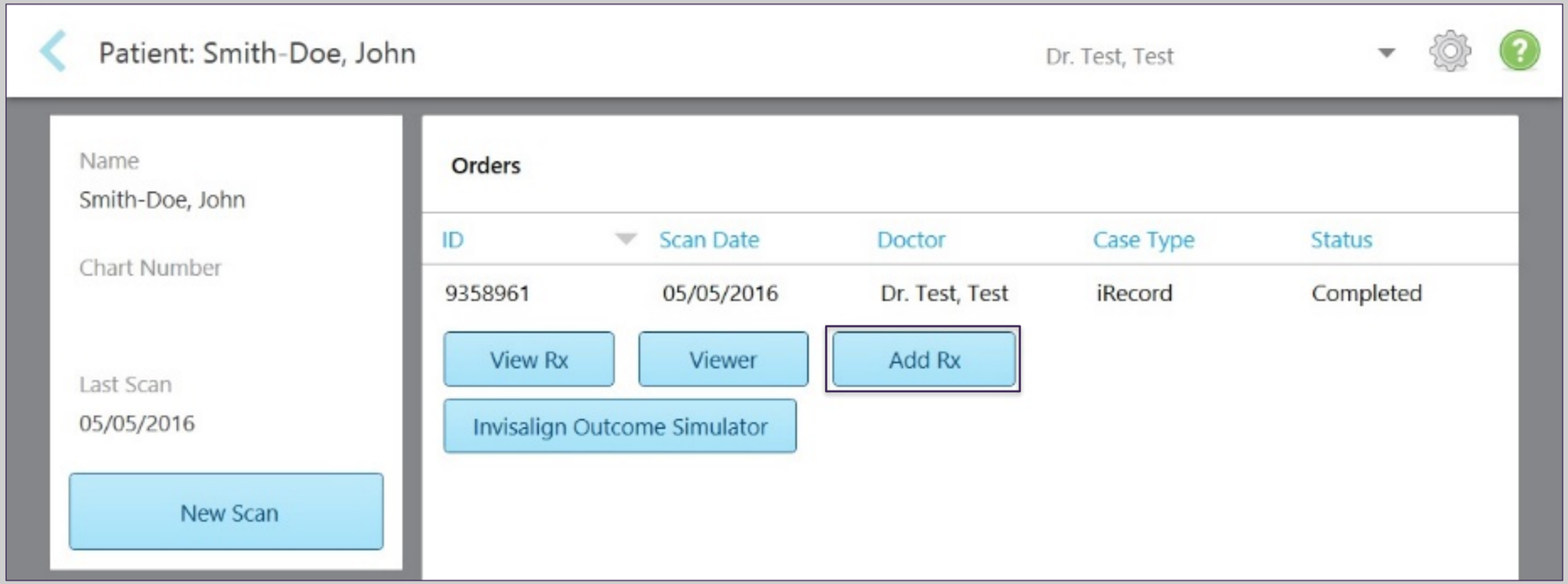
Home Page

Patients





The Patients icon can be used to start a new scan, open previous scans with Viewer and / or Invisalign Outcome Simulator.

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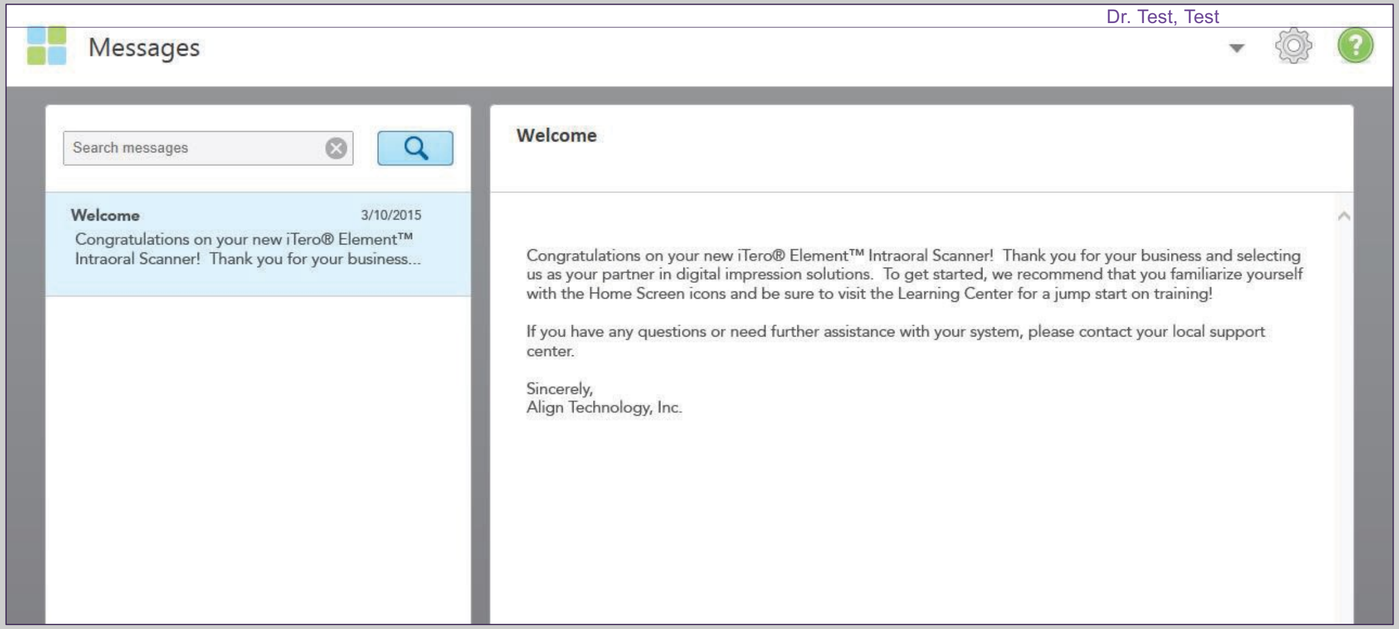
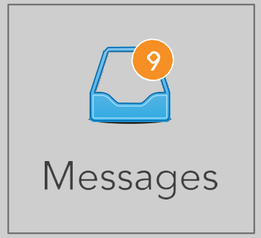
Home Page

Large Icons / Messages





The Messages icon is a badged icon that notifies the user of important messages from Align Technology such as product updates, upcoming educational sessions, or internet connectivity issues.

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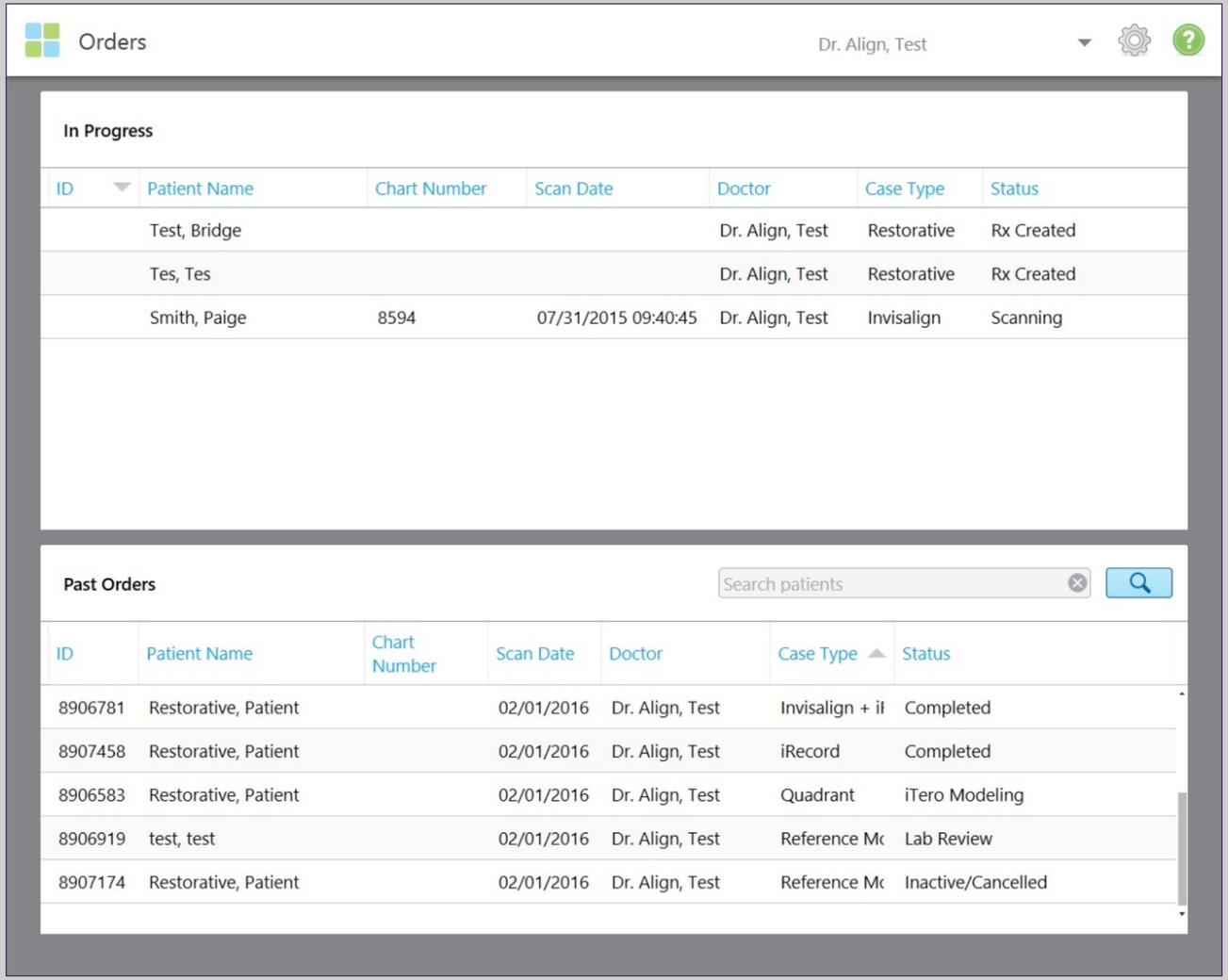
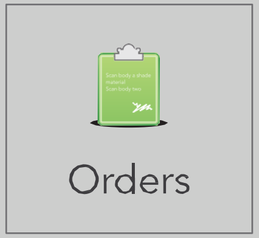
Large Icons / Orders





Within the Orders icon is the list of orders that are either In Process or Past Orders.

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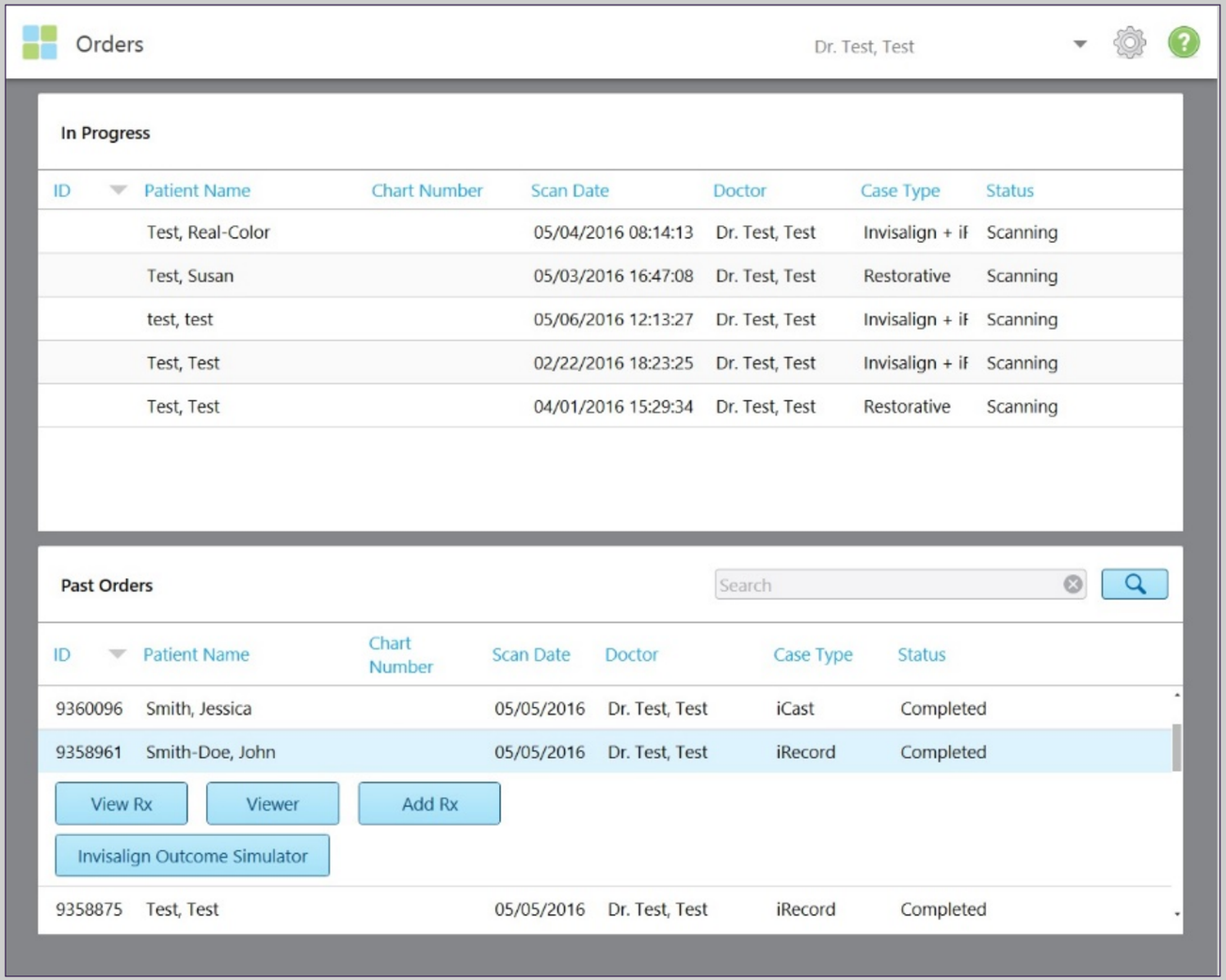
Large Icons / Orders in Progress and Past Orders



Within the In Progress section, view an Rx, continue, view, or delete a scan.

Within the Past Orders section, view an Rx, open the order using the Viewer, or open an Invisalign scan using the viewer or the Invisalign Outcome Simulator.

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Ergonomics

Ergonomics play a key role to comfort while scanning. It’s recommended to place the patient in the supine position.

Lower the patient's head and sit comfortably with elbows on the side. Place the display on dominant side to see the screen without turning or stretching.

The wand should fit comfortably in the palm of the hand with a light grip. There is no need to grip the wand tightly.

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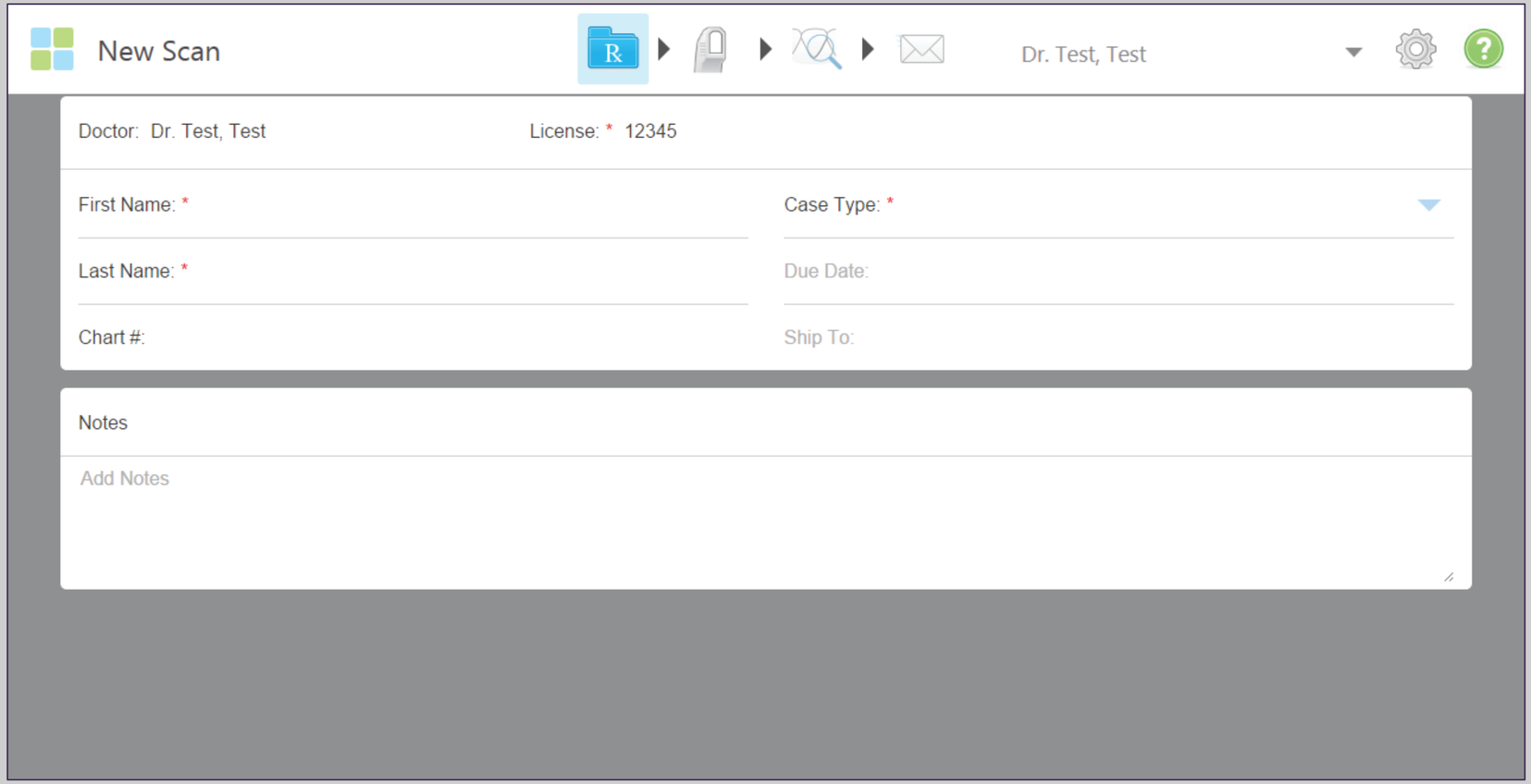
Home Page

Large Icons / New Scan



Opening the new scan icon will jump to the Rx page. The Rx is the section to enter all the necessary patient information. The sections marked with a red asterisk (*) are required information.

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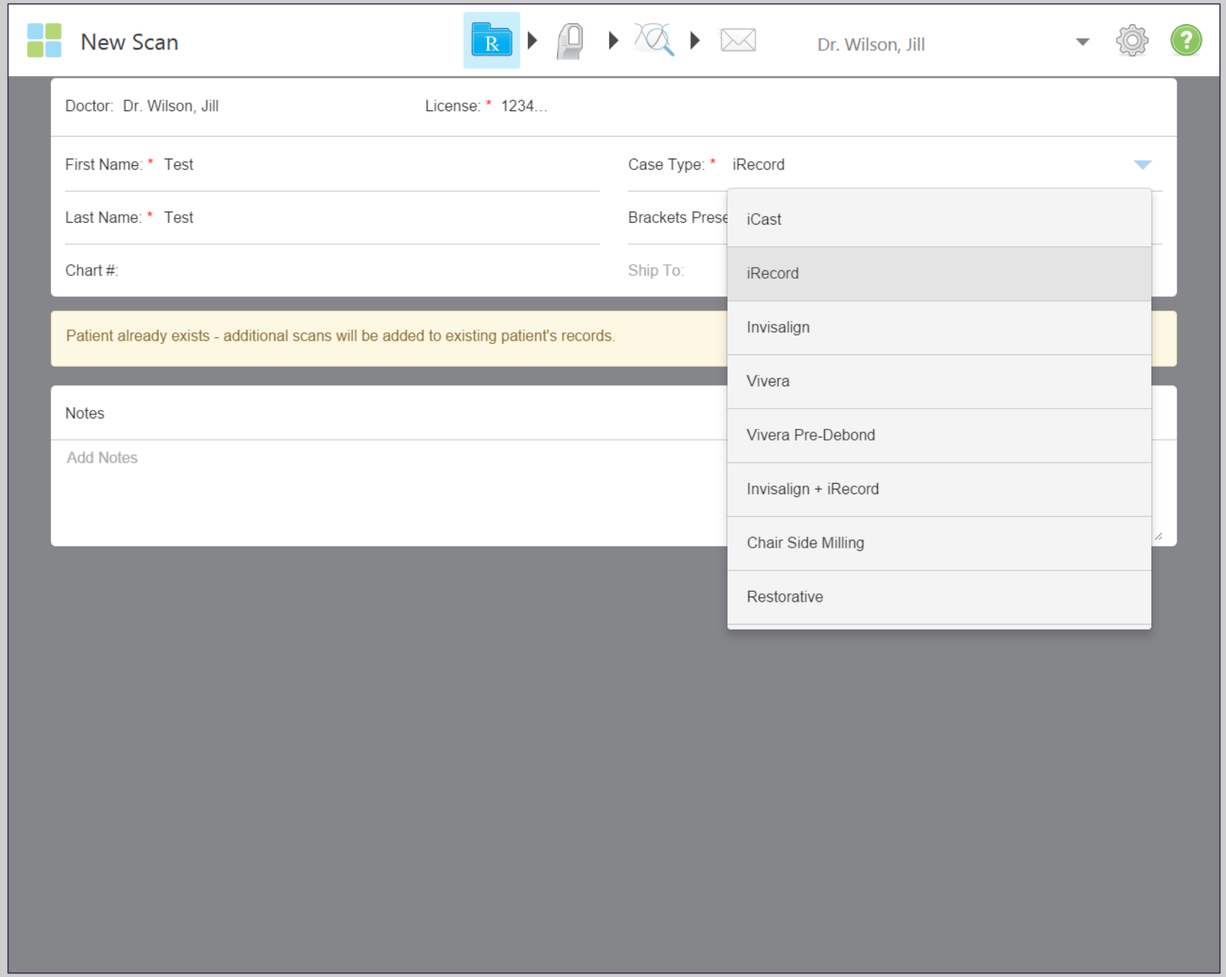
Full Mouth Scanning Protocol – Start New Prescription



There are several Case Types to choose from.

Any special instructions for Invisalign treatment must be noted in the Invisalign Doctor Site.

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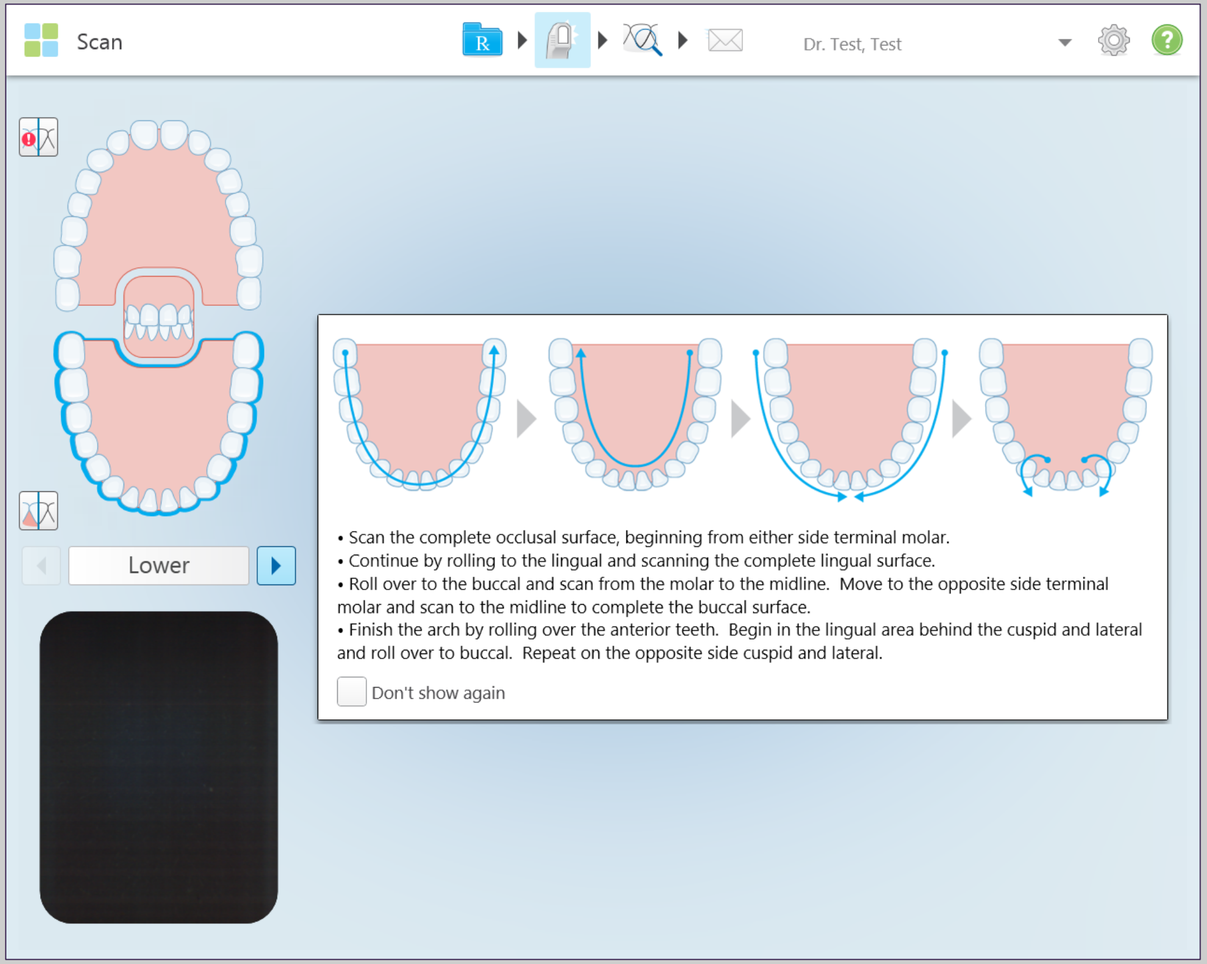
Invisalign Scanning Protocol - Guidance Hints



The iTero Element scanner offers Guidance Hints that helps recall the scanning sequence.

Deactivate the Guidance Keys by checking the box, ‘Don’t show again’.

Reactivate the Guidance Keys in the Settings gear icon.

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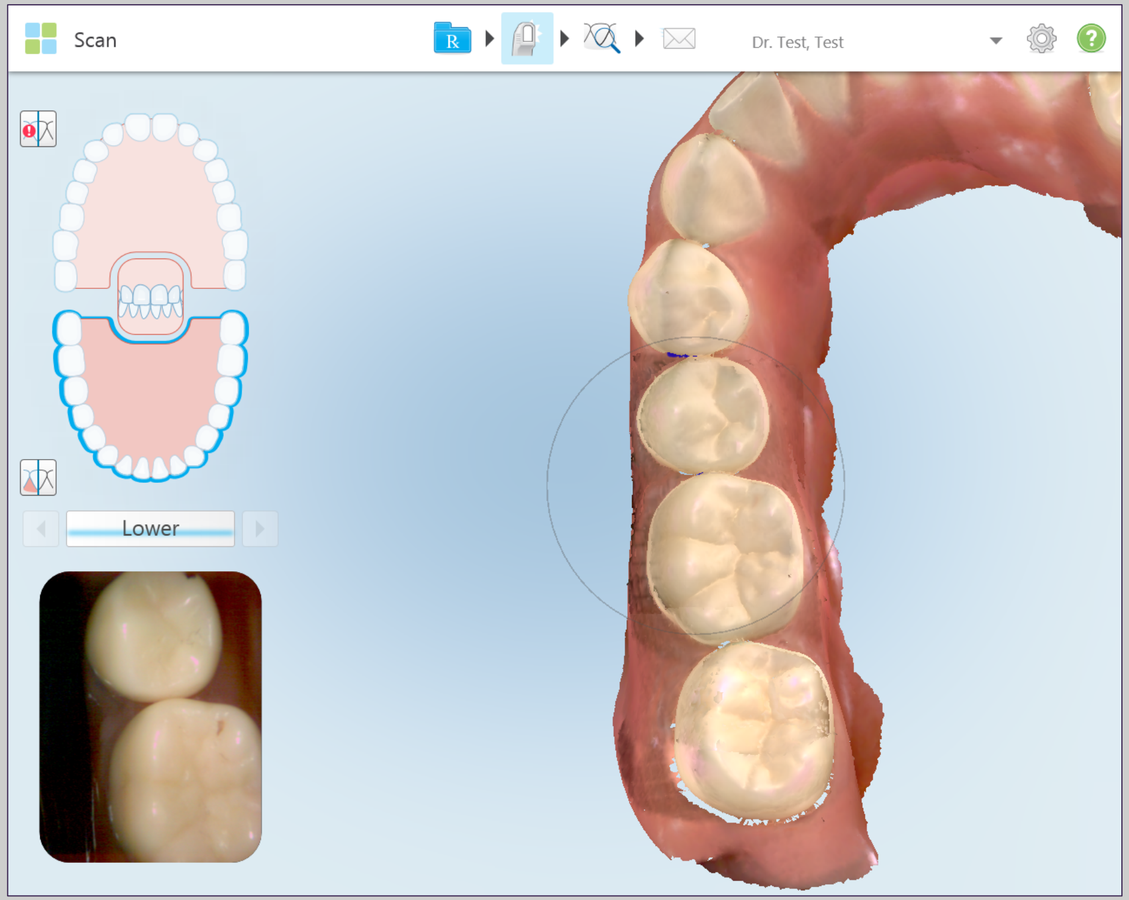
Full Mouth Scanning Basics

Occlusal
(Upper or Lower Arch First is Optional)



Scan the occlusal surface in a single continuous motion.

When the wand reaches the cuspid, continue by swiping across the anterior, tilting slightly to the lingual until the wand touches the contralateral cuspid.

Proceed by moving the tip straight back to the terminal molar.

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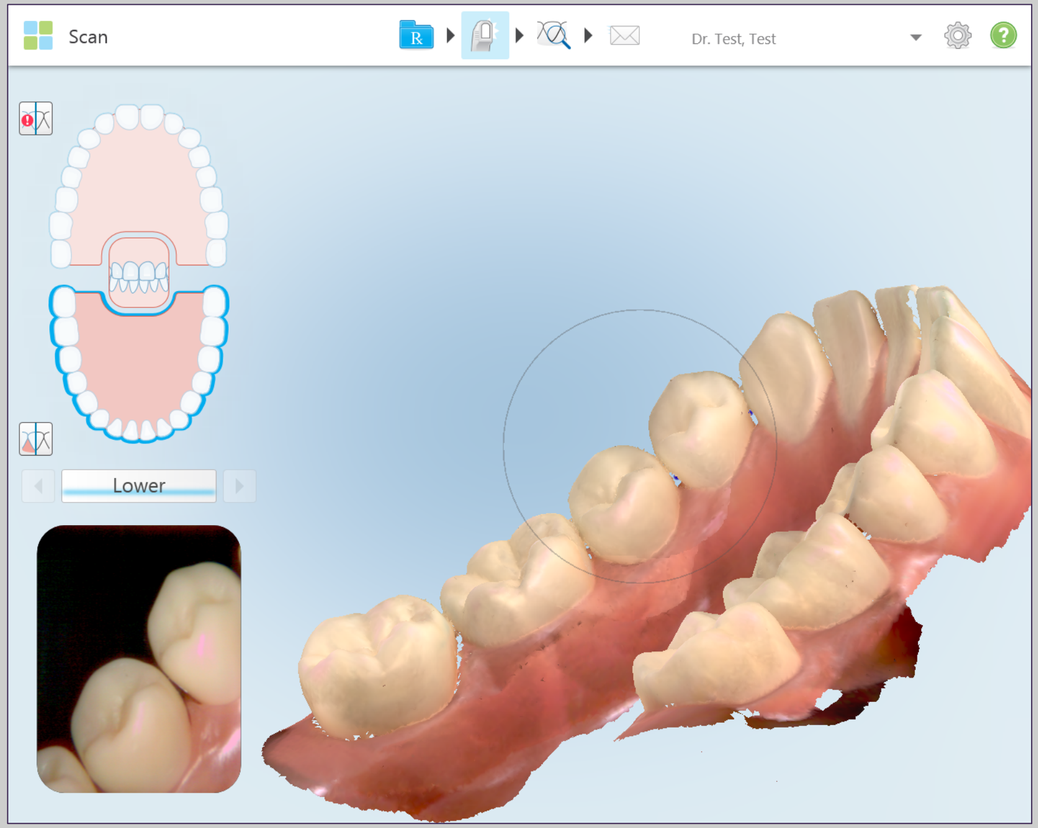
Full Mouth Scanning Basics

Lingual



Scan the lingual by rolling from the occlusal. Bring the cable end of the wand out to the side and maintain a vertical 45 degree angle of the wand tip to the lingual surface.

To capture the mesial and distal interproximal anatomy, twist the wand tip right and left as the wand moves around the arch. Holding the wand tip against the tooth will help to retract the tongue.

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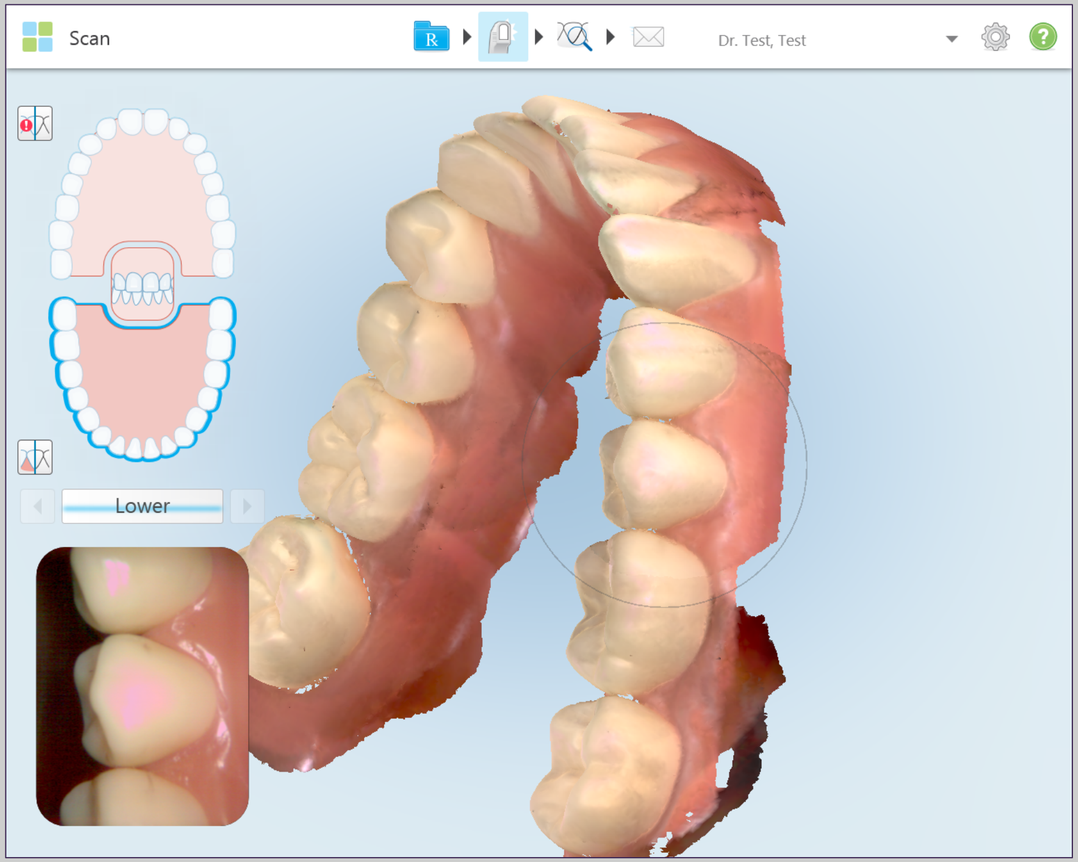
Full Mouth Scanning Basics

Buccal



Bring the cable end of the wand towards the arch to capture the mesial interproximal anatomy and taking the cable end away from the arch will capture the distal interproximal anatomy.

From the lingual, roll to the buccal at a 45 degree horizontal angle and use a rocking motion as the wand moves towards the midline to capture the interproximal anatomy.

After crossing the midline, begin on the contralateral terminal tooth and continue with the same rocking motion to capture the buccal surface from the posterior to the anterior.

Moving from posterior to anterior on the buccal reduces the interference from the cheek and provides a smoother scanning experience.

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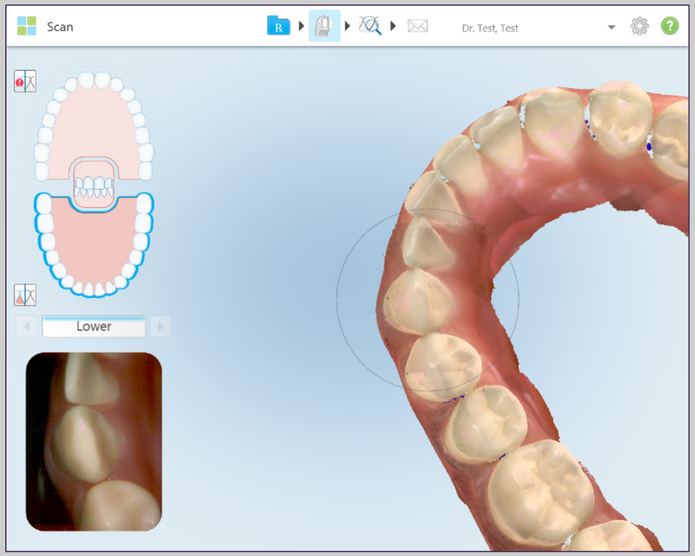
Anterior / Incisal

Place the wand with the cuspid and lateral centered in the view finder and roll from the lingual surface over the incisal edge to the facial.

Repeat this step on the contralateral side.



These scans help to ensure the lingual segments and buccal segments are joined with accurate incisal surfaces.

This step is critical for properly fitting Invisalign clear aligners.

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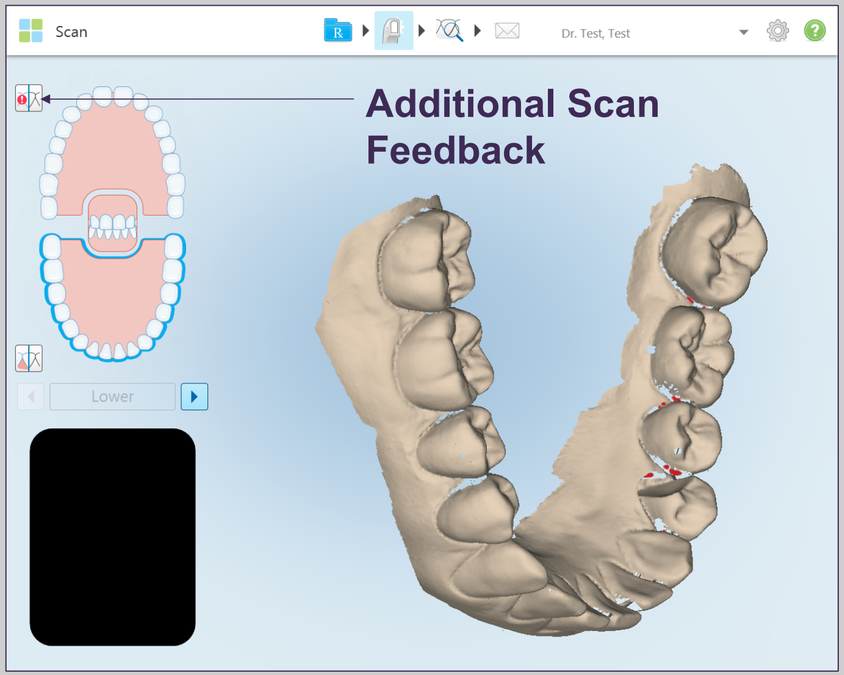
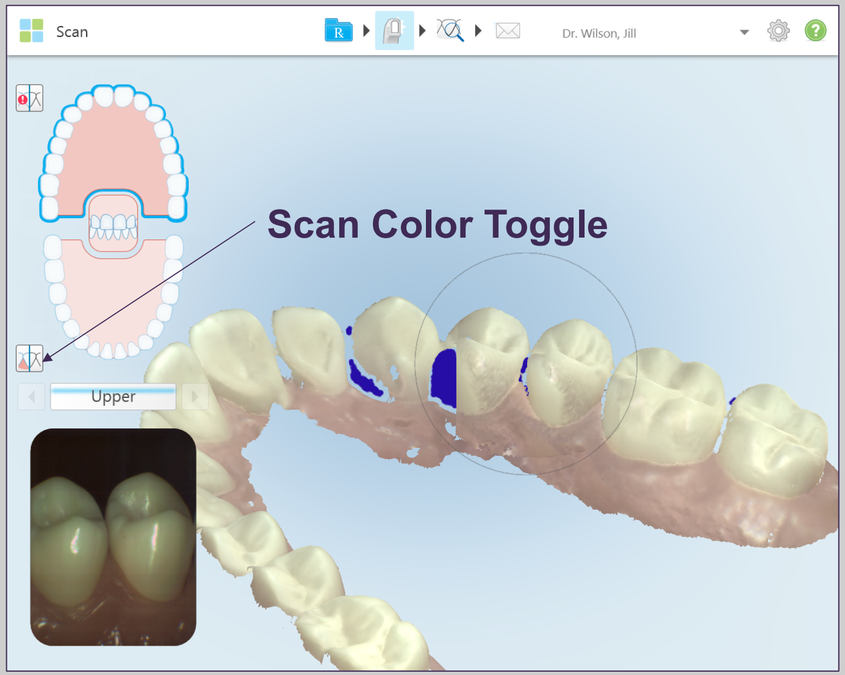
Full Mouth Scanning Basics

Optimized Scanning





When the Optimized Scanning Feature icon is activated, areas of missing anatomy will be highlighted in red when scanning in monochromatic mode and purple when scanning in color mode. This feature will alert you to areas that need additional scans. The color icon allows you to toggle between color or monochromatic modes. This applies to both scanning and viewing all case types.

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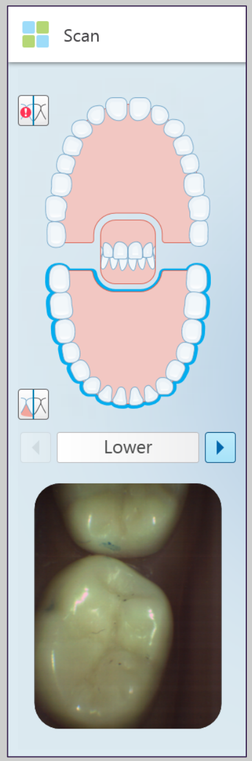
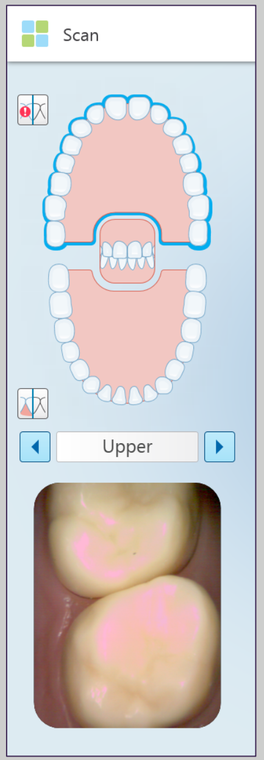
Switching to Opposing Arch





Switch to the opposing arch by pressing on the arch on the touchscreen or use the touchpad on the wand.

Follow the same protocol for the upper as with the lower: Occlusal, lingual / palatal, buccal, and incisal edge.

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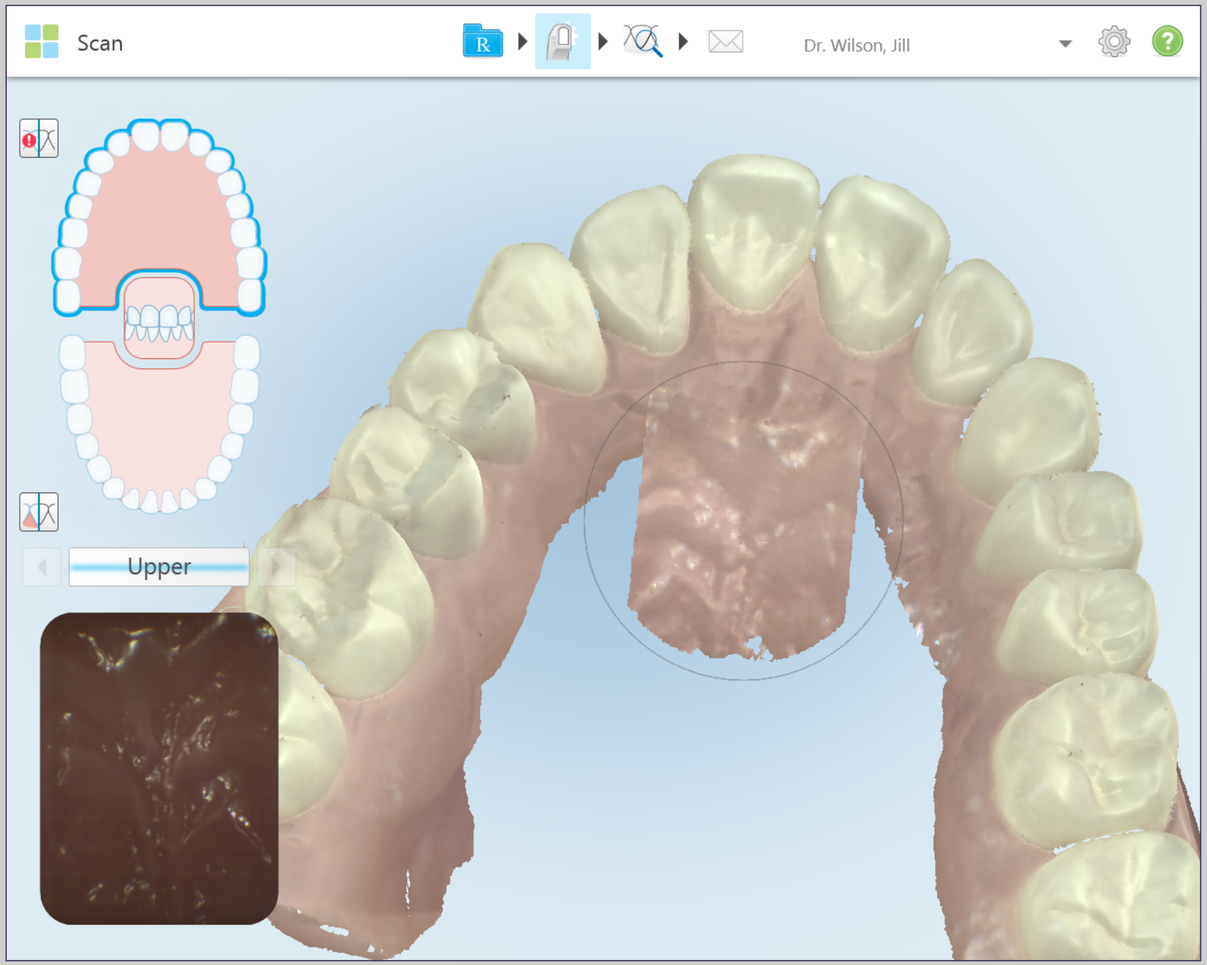
Scanning the Palate



- For Invisalign + iRecord or iRecord scans
- Once completed the lingual tooth anatomy
- Begin at the midline directly behind the central incisors
- Scan in a straight line to the soft palate
- Fill in the palate from the midline to the teeth on each side

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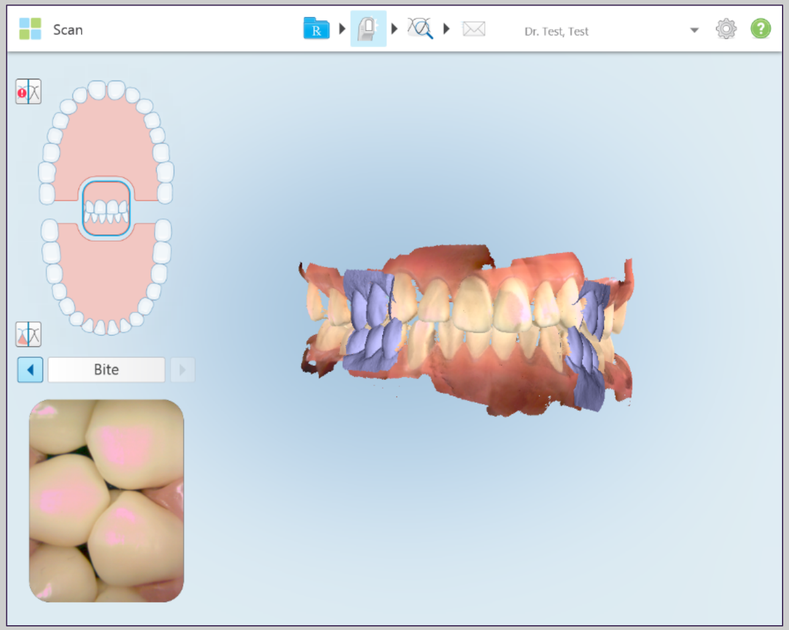
Full Mouth Scanning Basics

Bite

The final segment is the bite. Prior to scanning, confirm the patients bite. Have the patient open, use the wand to retract the cheek, and have patient close in centric occlusion. Bring the wand tip gently against the tooth anatomy.



Moving forward in a small wave like motion capture 3 – 4 teeth and then move to the contralateral side using the same technique.

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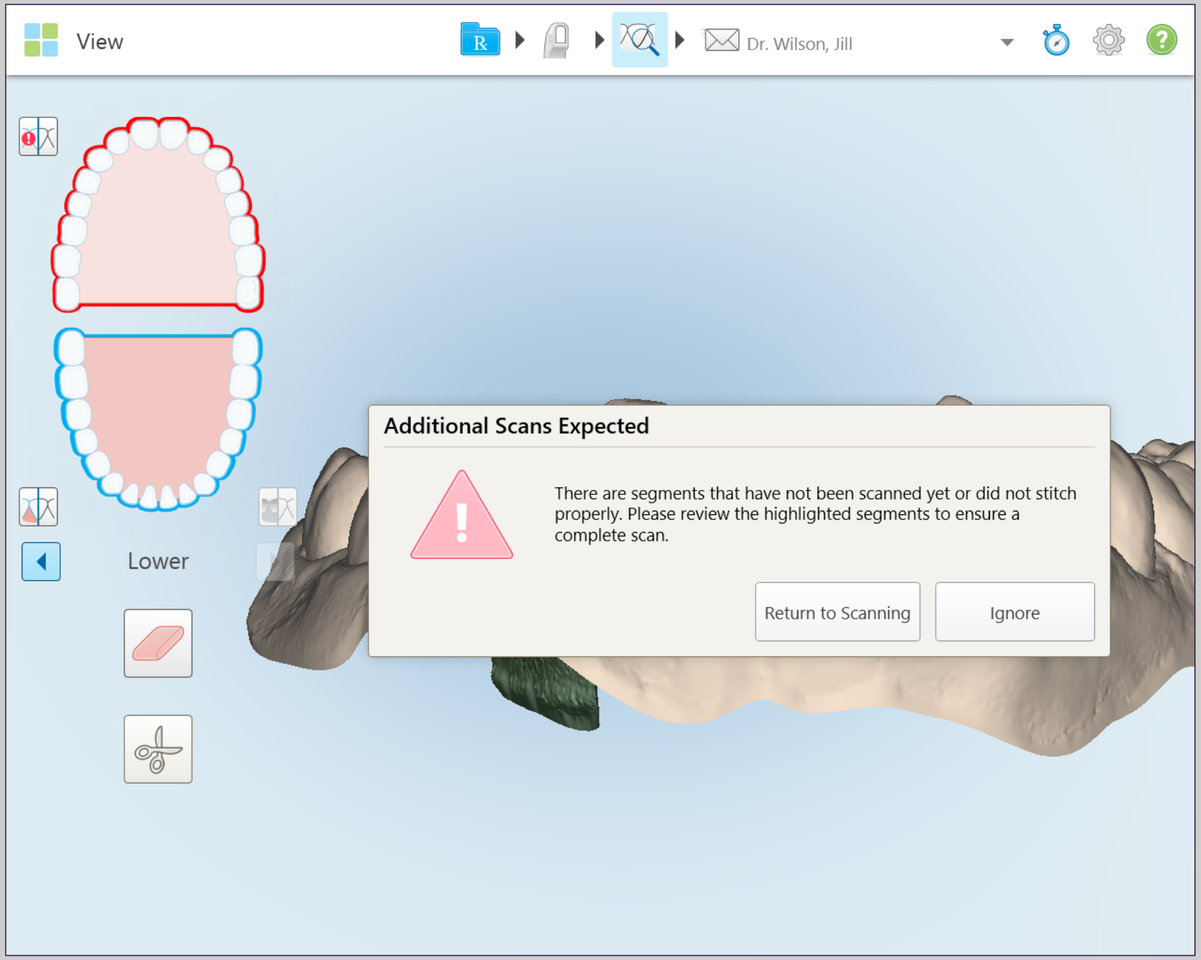
Missing Scan Segments



Complete the following steps if there are segments missing in your scan:

- **Go back to scan mode**
- **Complete the missing segments that are highlighted in red**
- **Repeat above steps if necessary**

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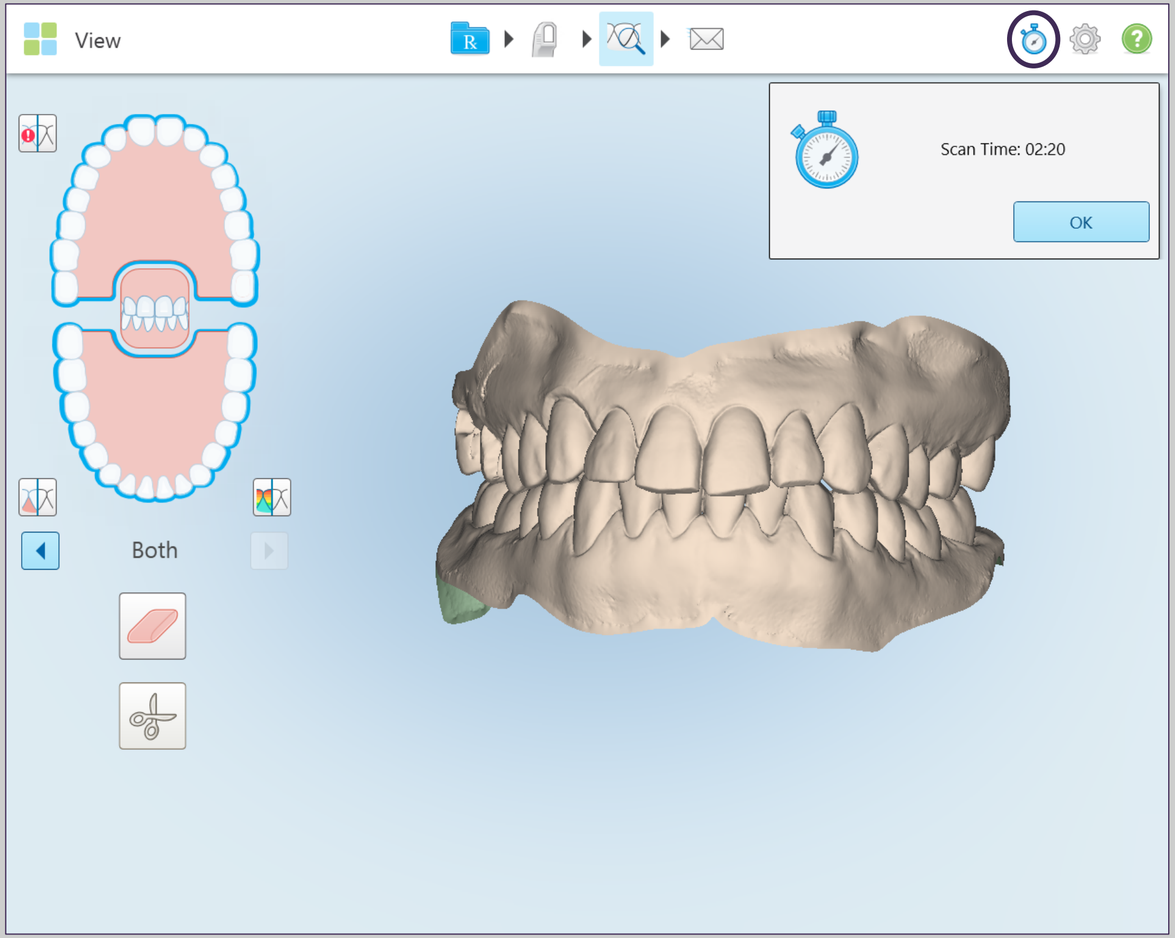
Full Mouth Scanning Basics

Scan Timer



After you are done scanning, you can use the Scan Timer icon to view your scanning time.

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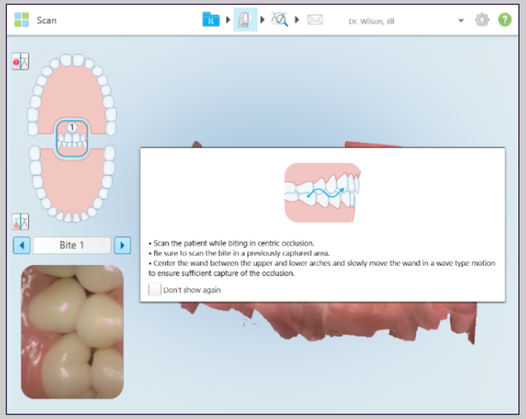
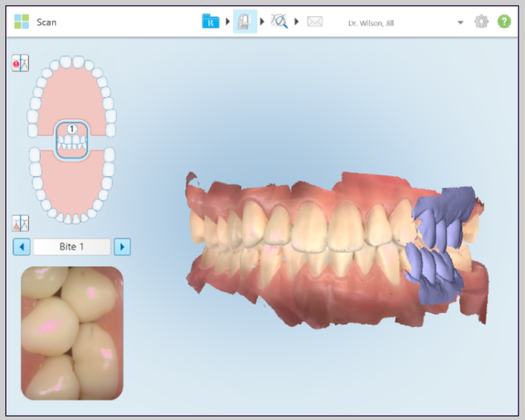
Full Mouth Scanning Basics

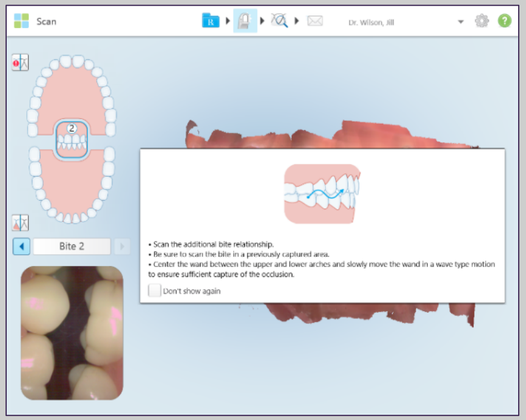
Multi-Bite

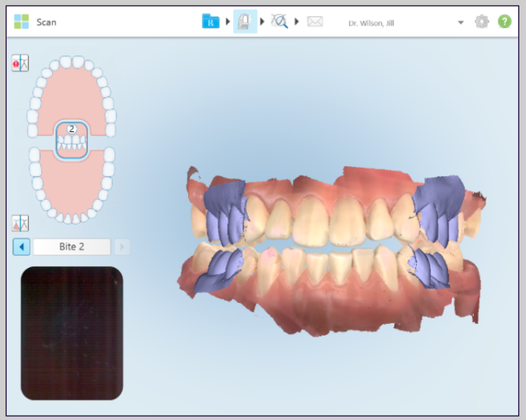
First Bite relationship





Additional Bite relationship





Multi-Bite scan feature makes it quicker, easier and more precise to capture and deliver bite information to the lab for appliance fabrication.

Some examples are:

- **Functional appliances**
- **Sleep apnea appliances – protrusion of the mandible to open the airway**

The segments will be registered as always as purple scans at the bicuspid and molar area.

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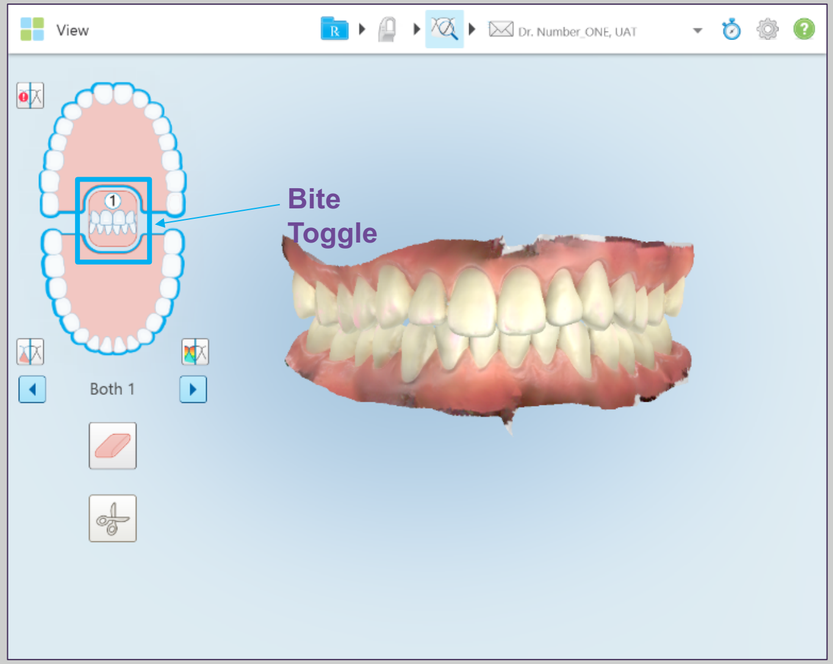
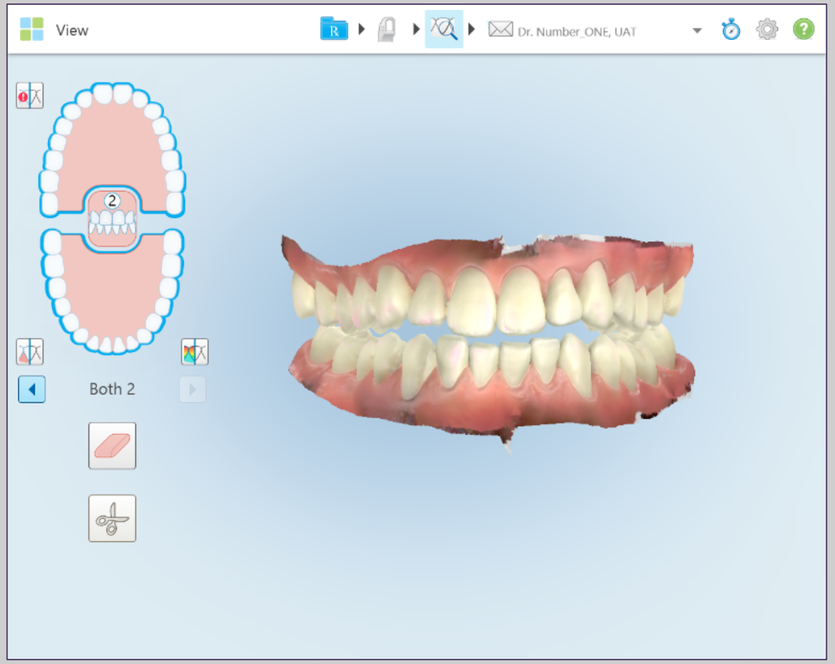
Full Mouth Scanning Basics

Multi-Bite

Bite 1



Bite 2



Select the arch to be displayed.

There are two layouts on the Viewer.

The icons on the left of the screen displays the multi-bite.

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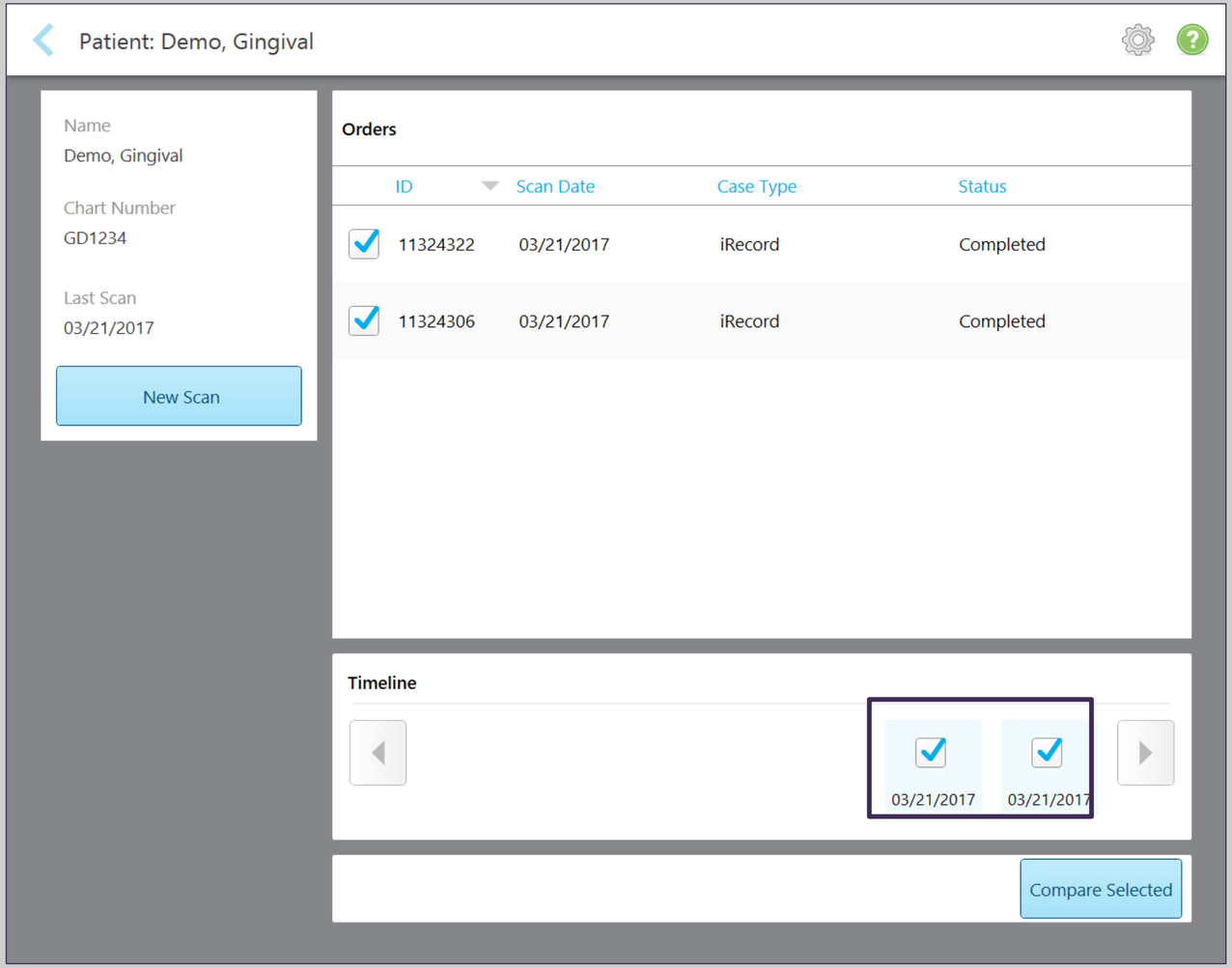
iTero TimeLapse



Patients scanned in a regular basis can be analyzed utilizing this tool.

In the Patient's profile, select two scans from the timeline at the bottom of the screen, Once two scans are selected, the option to "Compare Selected" will become enabled and pressing it will launch the Comparison Tool.

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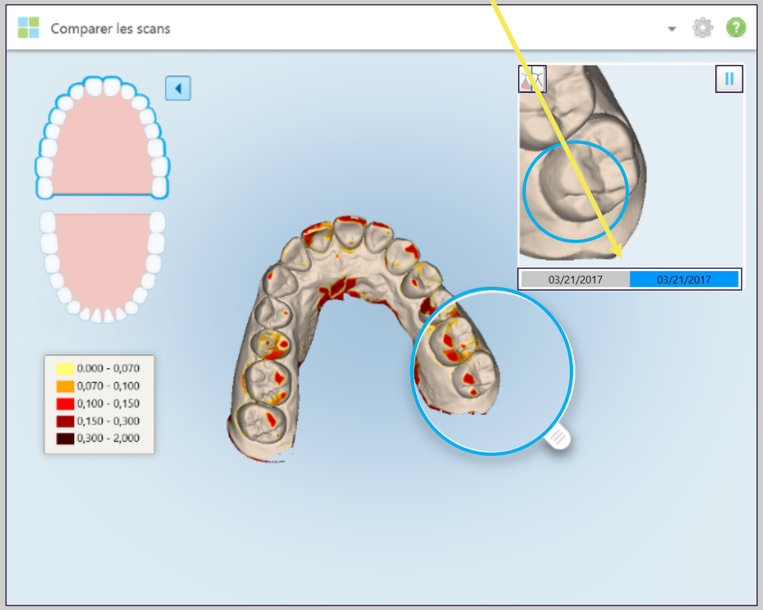
Full Mouth Scanning Basics

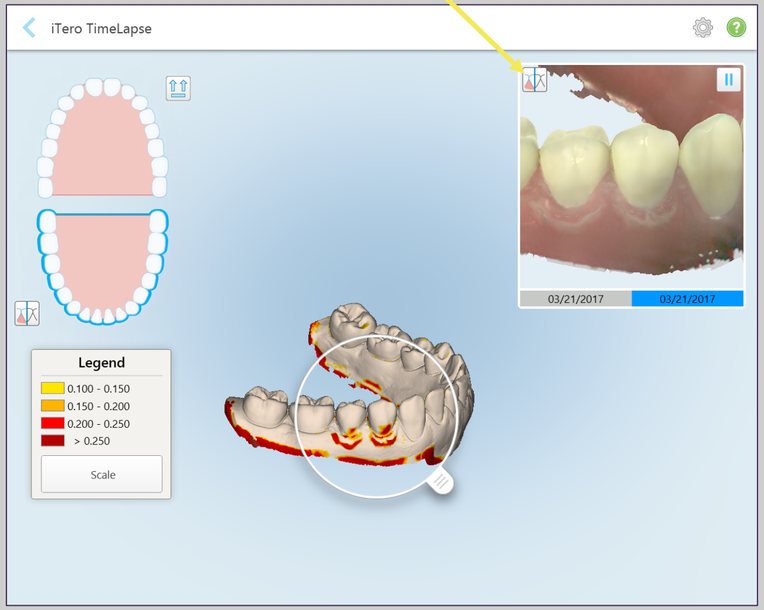
iTero TimeLapse

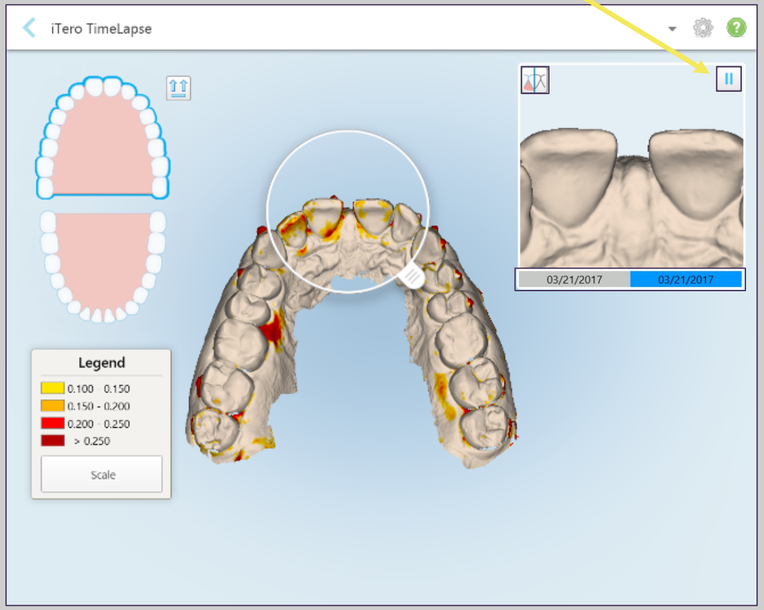
Animated Timeline

Color Toggle

Play/Pause animation







Tooth Wear

Gingival Recession

Tooth Movement

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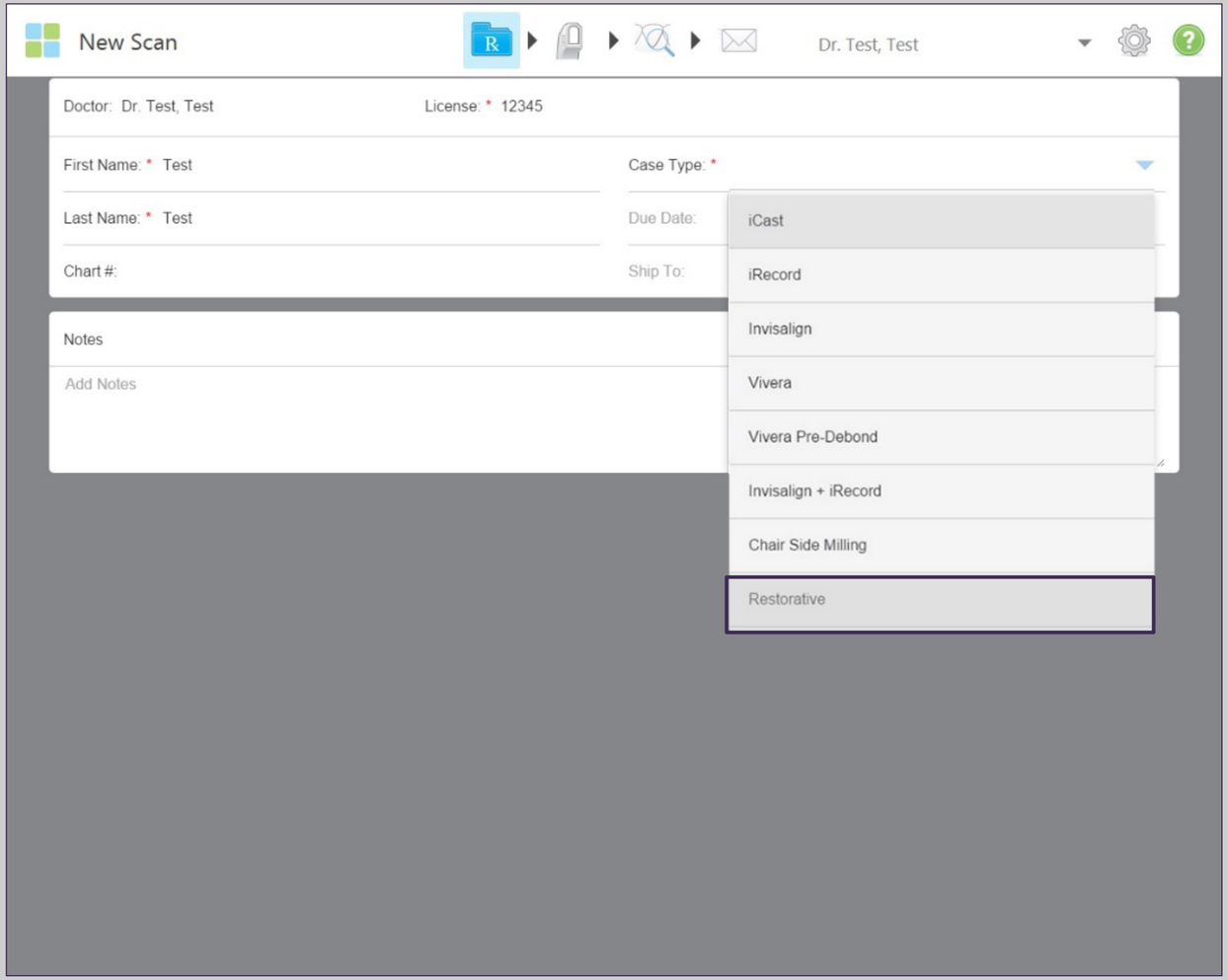
Large Icons / New Scan



There are several Case Types to choose from.

To start a Restorative scan, select the Restorative case type as shown on the highlighted box

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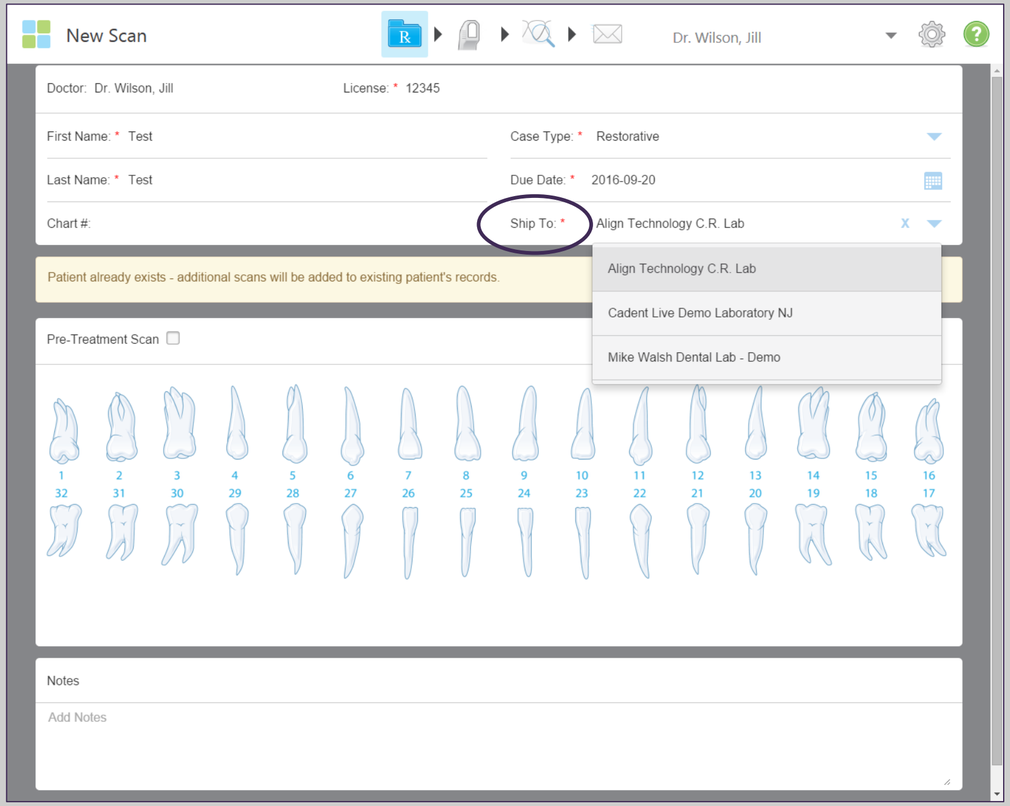
Large Icons / New Scan



A list of certified partner labs on the iTero website under the lab locator tab. Contact iTero Customer Advocacy at 1 800 577 8767 to add new labs to the dropdown list. Use the notes section to communicate with the lab.

Choose the lab from the Ship To drop down. You can chose / change the lab at any time before sending

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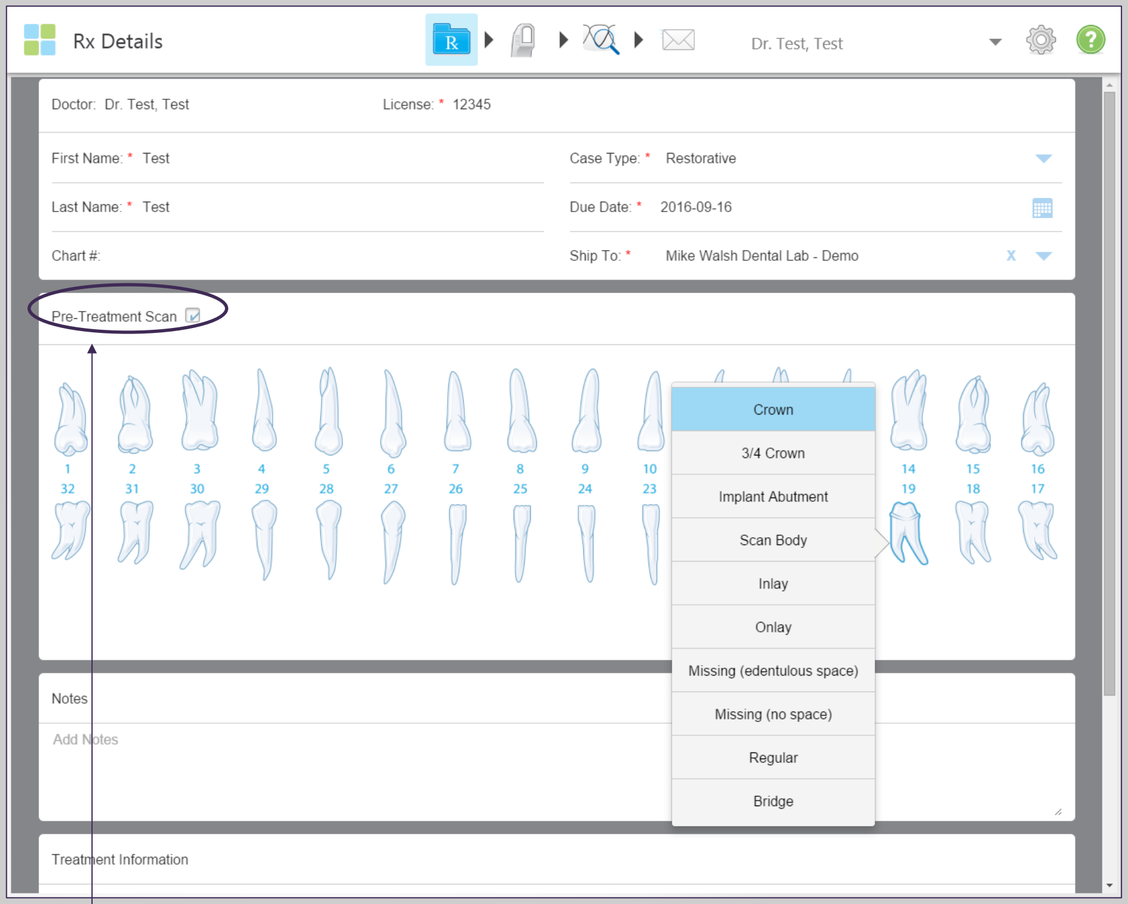
Restorative Prescription – Tooth Charting for Single Restorations



Check the "Pre-Treatment Scan" checkbox on the Rx if you want to do a pre-treatment scan.

Selecting the tooth will open the drop down menu for tooth charting options.

If at any point a new prepped tooth needs to be added to the prescription, simply add the tooth and continue to scan.

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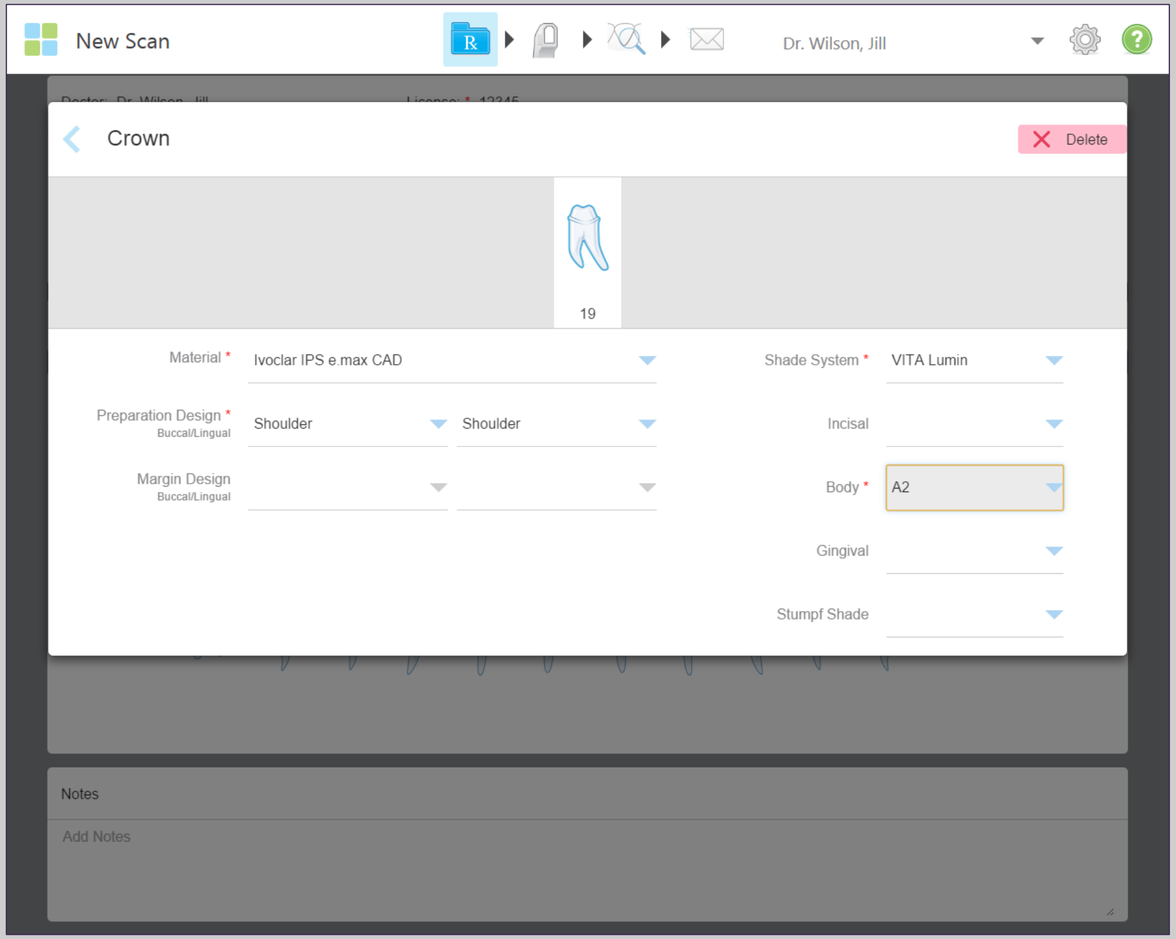
Restorative Prescription – Preparation Design / Shade



Choose the tooth to be restored. Select: Material, Preparation Design, Margin Design, and Shade.

The sections marked with a red asterisk (*) are required information.

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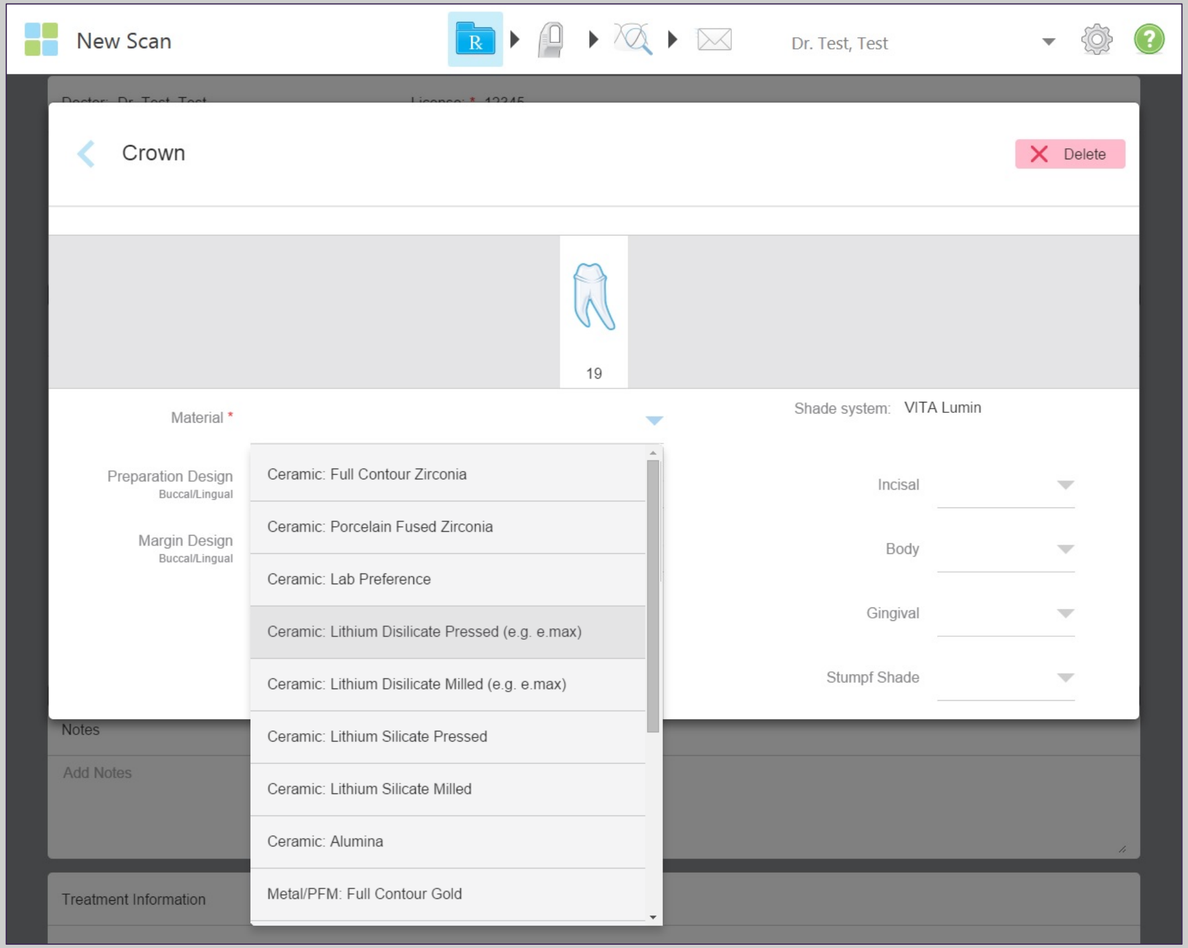
Restorative Prescription – Material of Choice



Select your preferred material from the list provided.

You can also add notes if you prefer a specific material brand from your laboratory that is not on the list.

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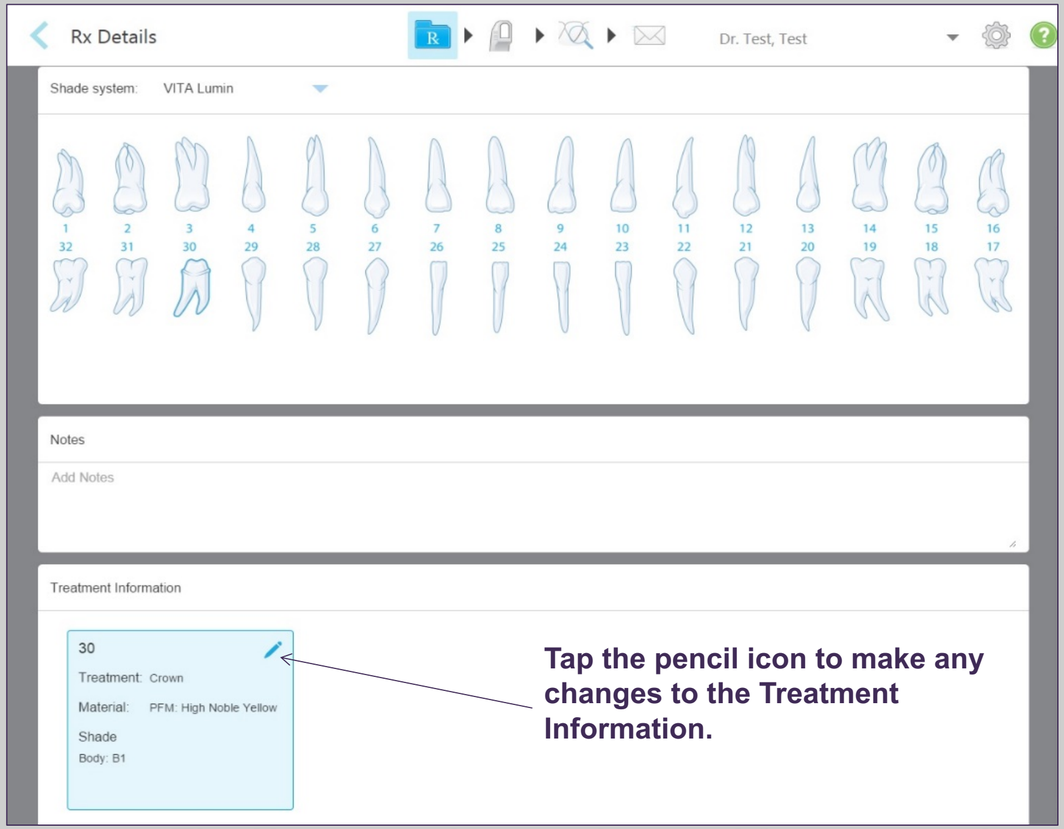
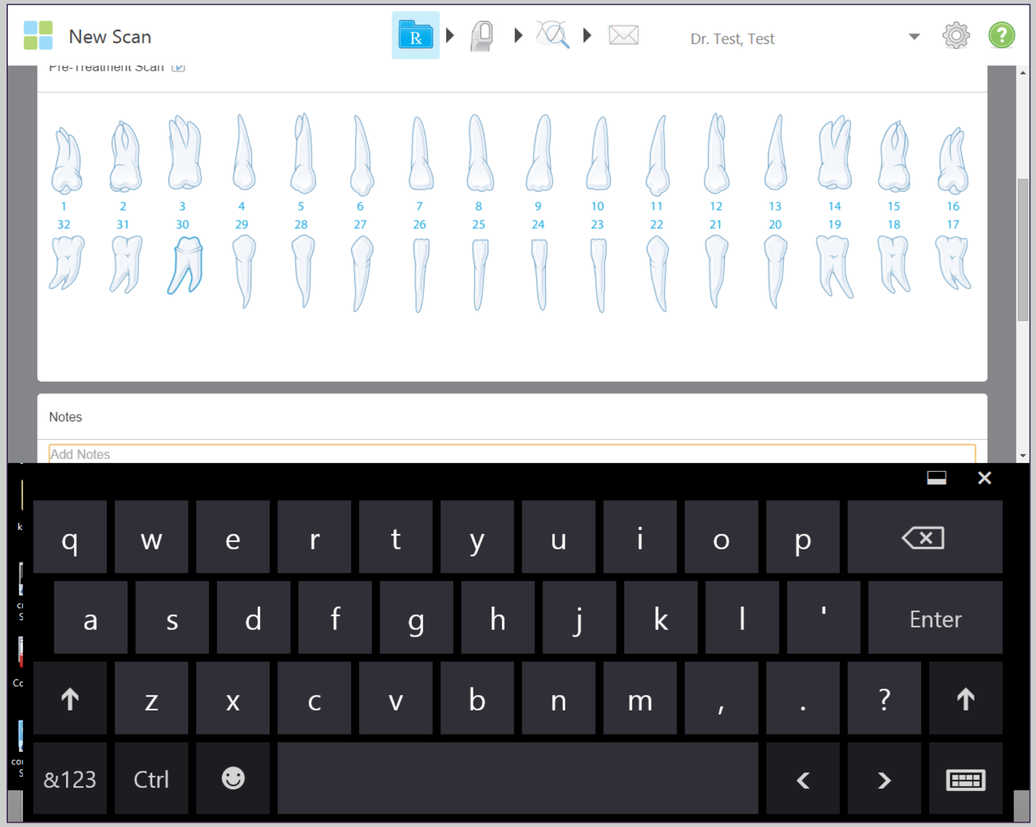
Restorative Prescription – Notes Section





The Notes section can be used for communication with a lab to customize a prescription.
Select the Notes section to access the keyboard.

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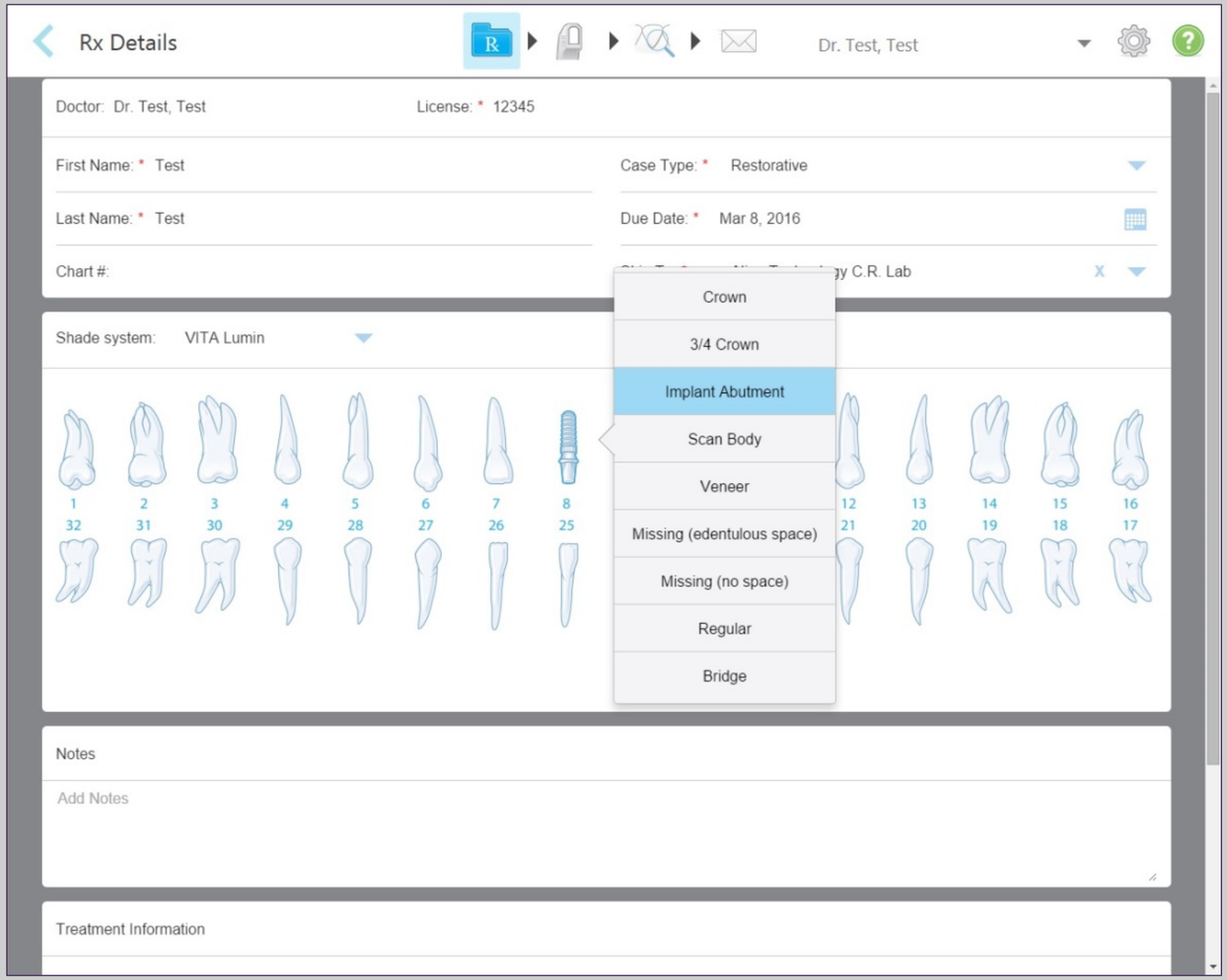
Restorative Prescription – Implant Abutment



Select Implant Abutment for scanning existing abutments.

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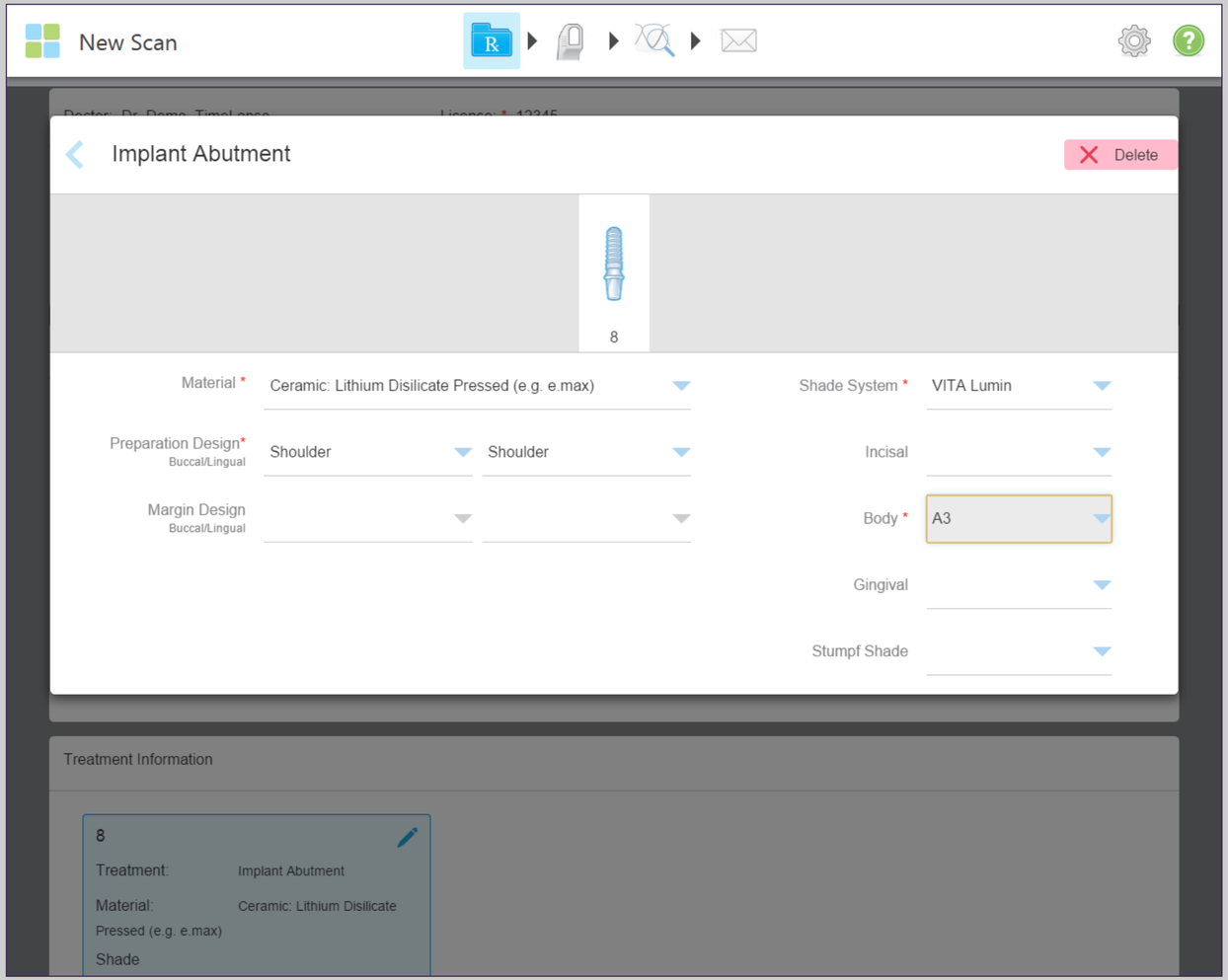
Restorative Prescription – Implant Abutment



The choice of material and preparation design are identical to the single crown on natural teeth. The lab will design and produce a crown to fit on top of the implant existing abutment

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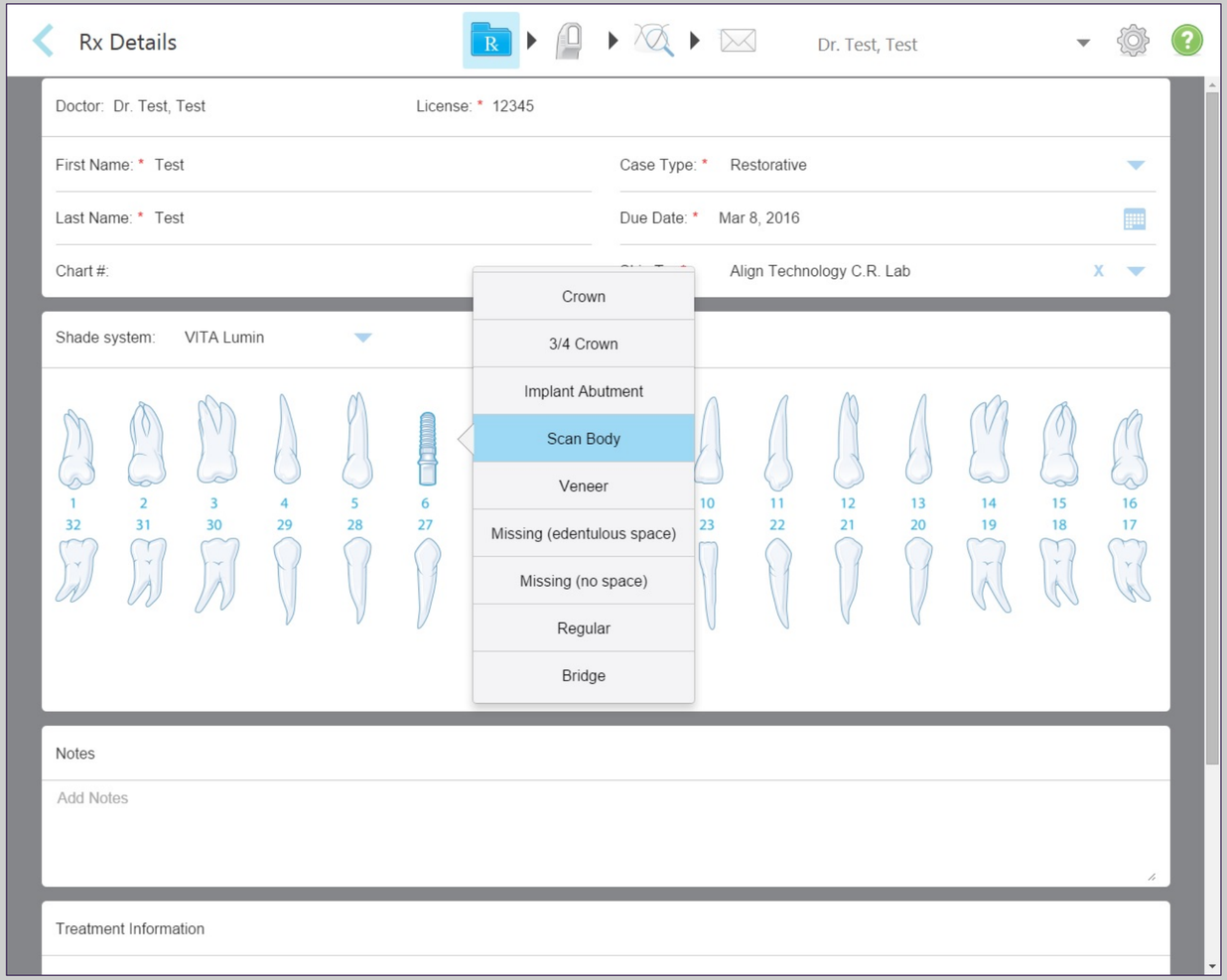
Restorative Prescription – Implant Scan Body



Please contact your implant manufacturer to get more detailed information and the appropriate scan body type for your cases.

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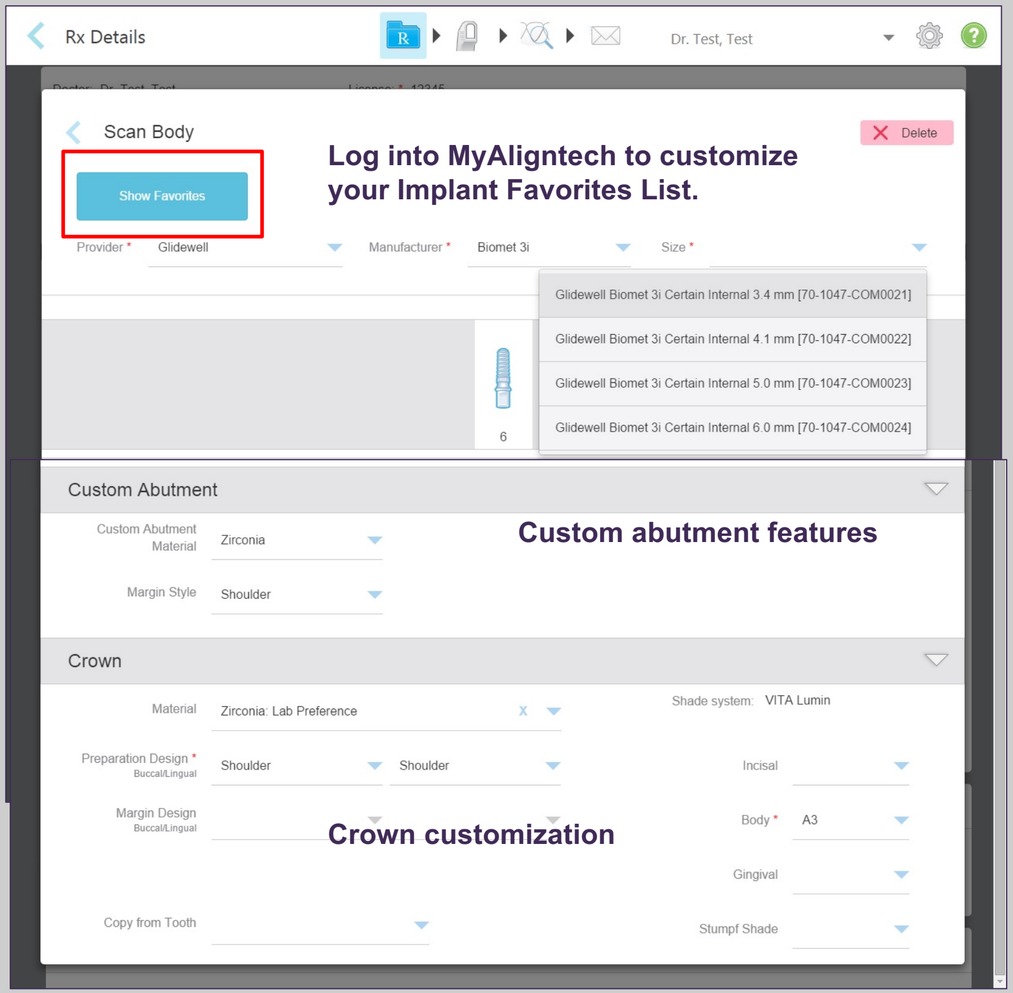
Restorative Prescription – Implant Scan Body



Complete all fields marked with an asterisk (*)

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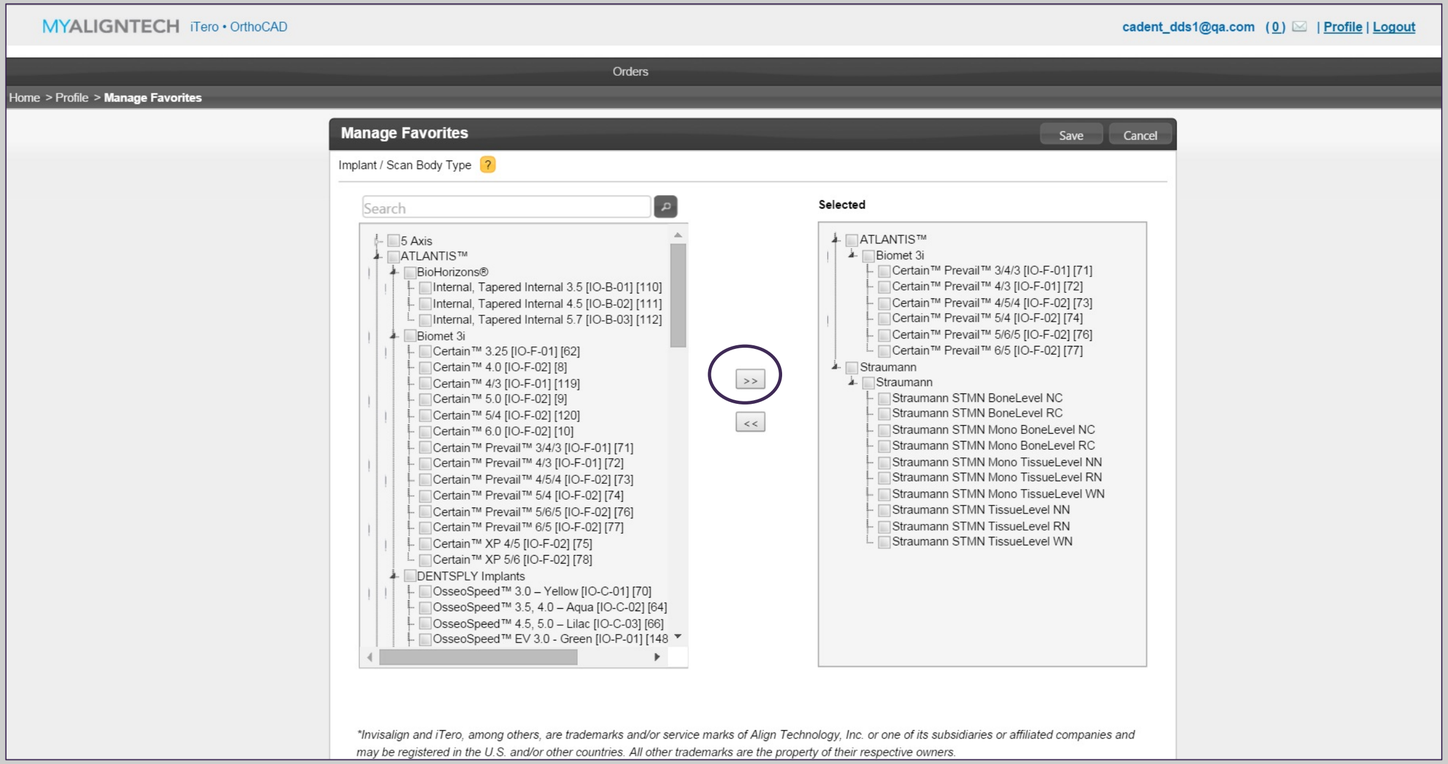
Restorative Prescription – Manage Favorites



Choose the preferred implant brands to simplify a list of scan bodies.

Select the applicable configurations to meet clinical needs on the left side master list. Add them to the favorites list by clicking on the arrow pointing to the favorites list. Click Save prior to exiting.

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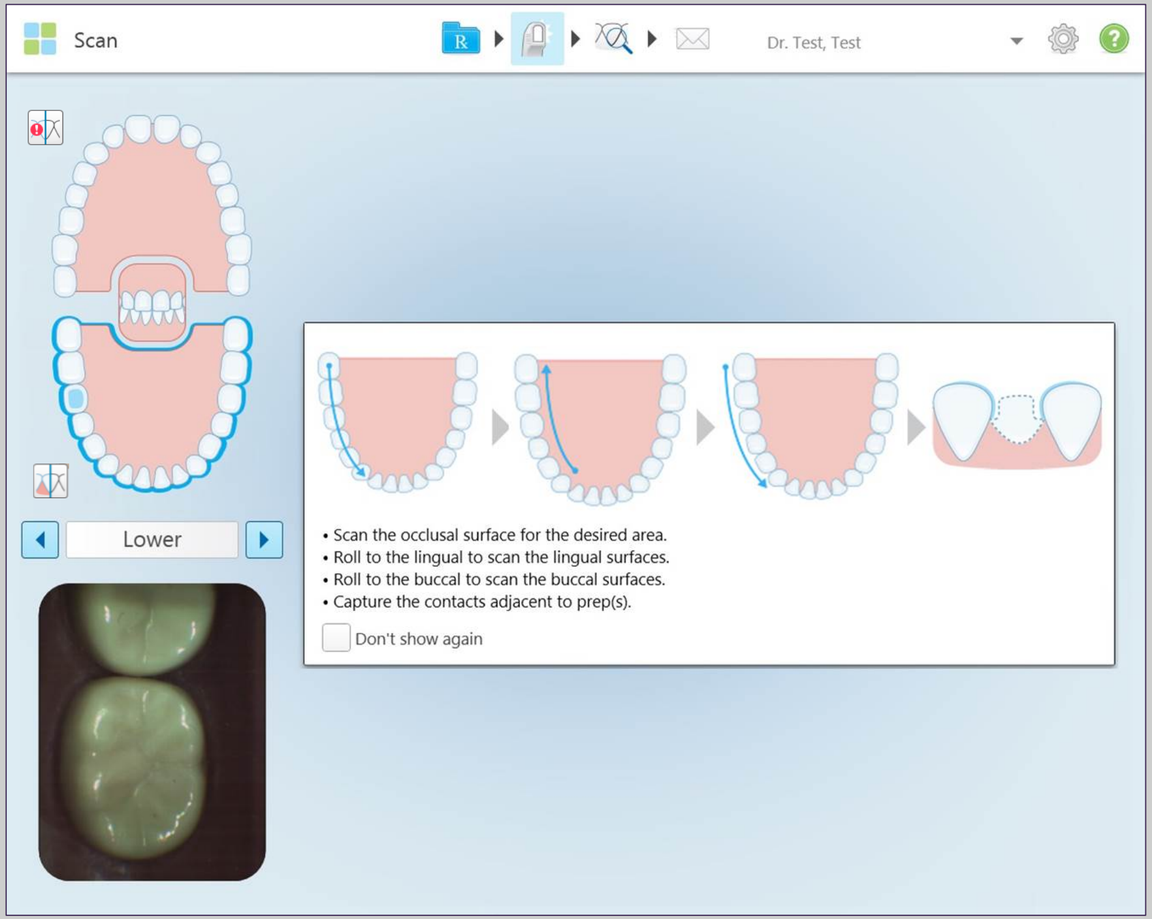
Scanning Technique – Implant Scan Body



The scan technique and sequence is the same process used for preparations on natural teeth

Follow the recommended scanning sequences provided in the guidance hints and by using the wand controls or the arrows in the segment indicator box to move between segments

It is important to scan only the anatomy you want included in the model

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Tips for Scanning Implant Scan Bodies

- Verify the use of the adequate brand, platform and diameter of Scan Body. Contact your Implant provider for more information
- Clean and dry field. No blood, saliva, or tissue tags should be on the scan body during the scanning for this segment
- Scan Body unique identifiers should be visible on the scan
- Scanning the contacts may need the removal of the Scan Body for better access to interproximal surfaces on adjacent teeth
- Remove the Scan Body to take the bite in case it interferes with the occlusion. Scan the area away from the Scan Body site
- Capture adjacent tissue when scanning multiple scan bodies

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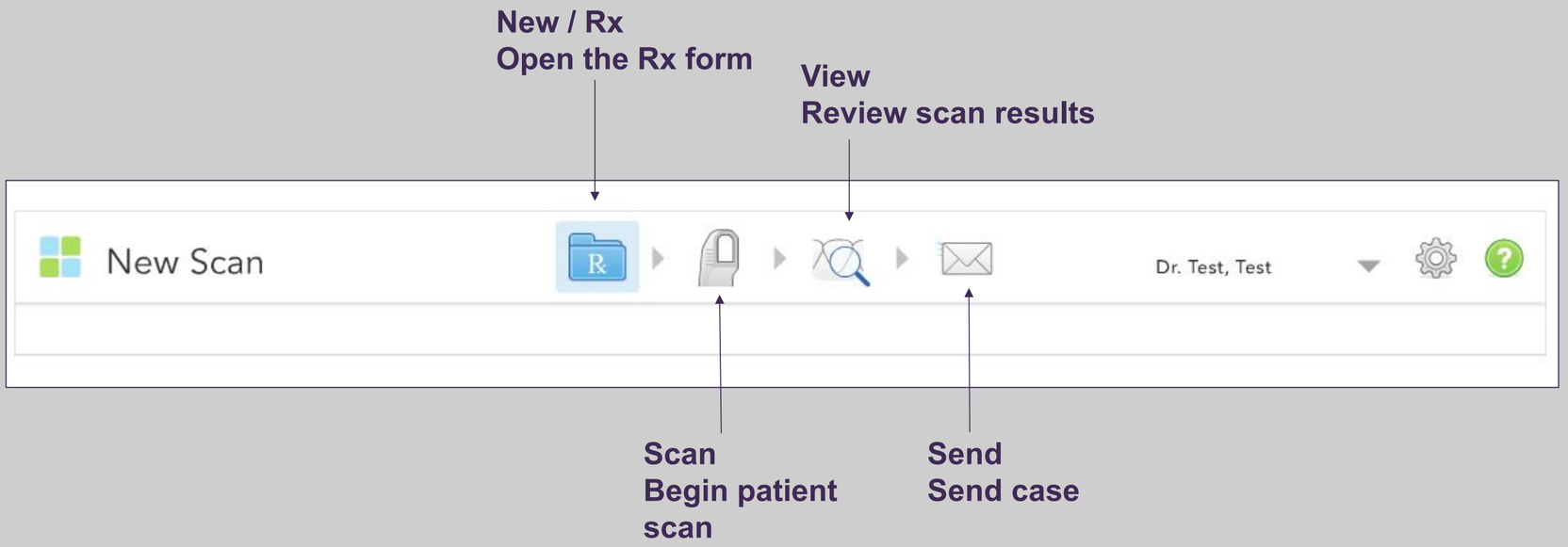
Starting a Scan



Utilize the top tool bar on the Rx. Follow the arrows from left to right throughout the scanning process.

Tap on the scanner wand icon to begin scanning.

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Starting

Light will be emitted from the wand when activated. Wait 10 seconds to allow for defogging of the lens.

Place the wand in the patient's mouth at the starting point before pressing and releasing a side button to start scanning.

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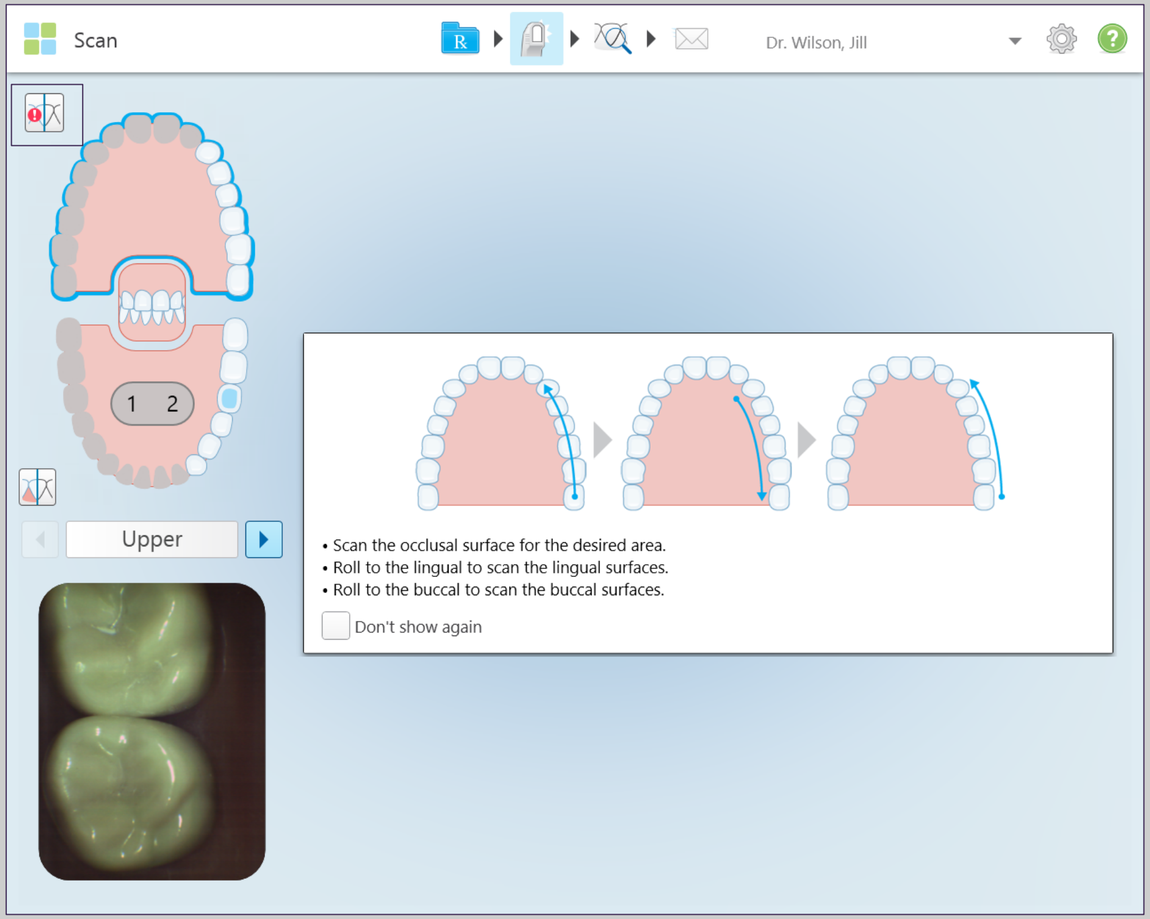
Opposing Arch Scan



Full arch scan is not necessary if prepping one tooth.

Begin by placing the wand flat on the occlusal surface. Once the starting location in the viewfinder is confirmed, press and release either of the side buttons to begin scanning.

The blue scrolling bar in the segment selection box indicates the scanning is active.

After scanning the occlusal anatomy, roll to the lingual, and finish with the buccal.

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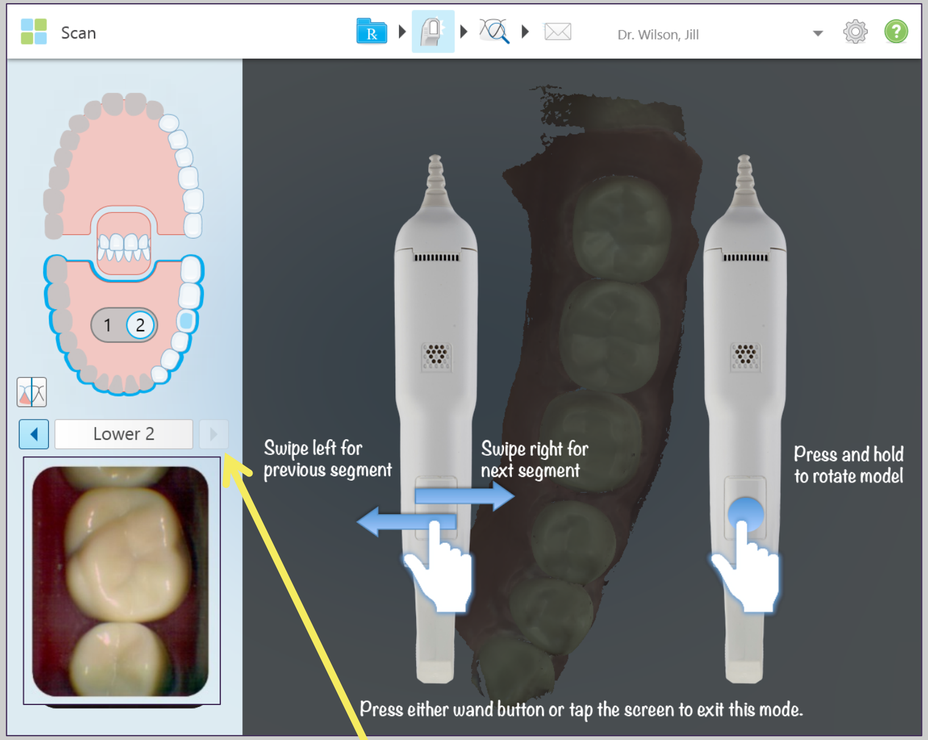
Switching Segments



On the display, move between segments by tapping the arrow key on the segment indicator box.

To enable the touchpad on the wand, press and release both side buttons simultaneously.

Use a steady firm swiping motion from left to right to move to the next segment.

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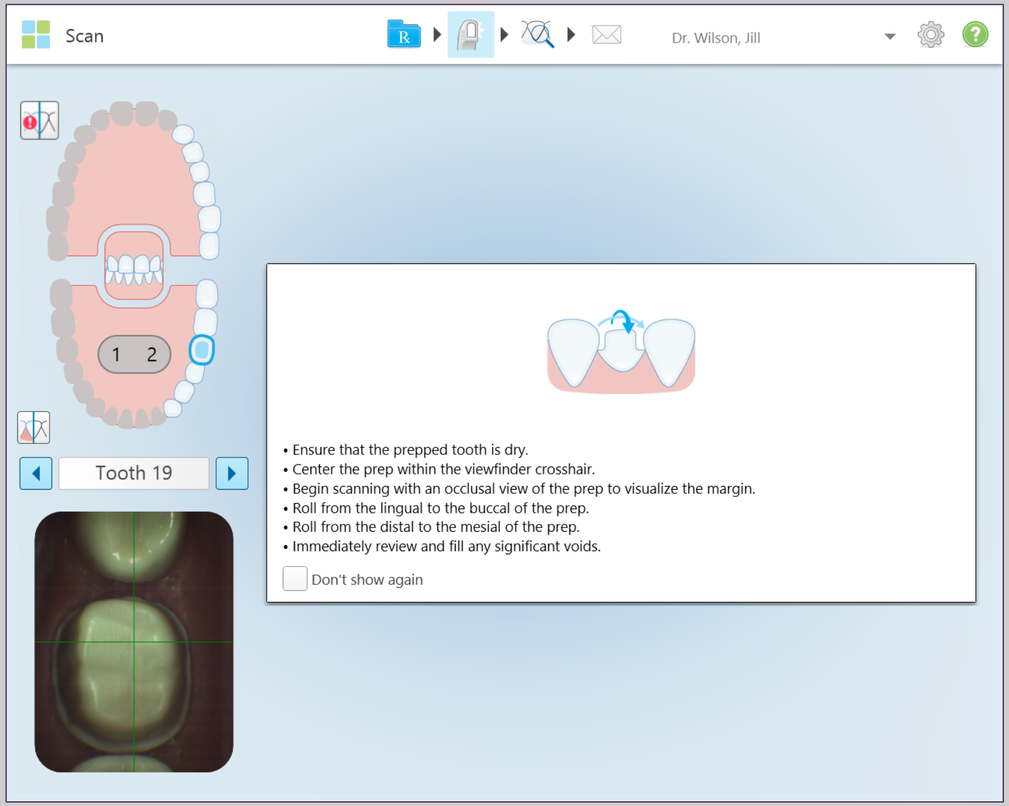
Prepped Tooth



To create a precise digital model for production of a properly fitting restoration, it is important to have a clear margin free of moisture or other impingement.

Scanning sequence:

- **Occlusal**
- **Lingual**
- **Buccal**
- **Distal**
- **Mesial**

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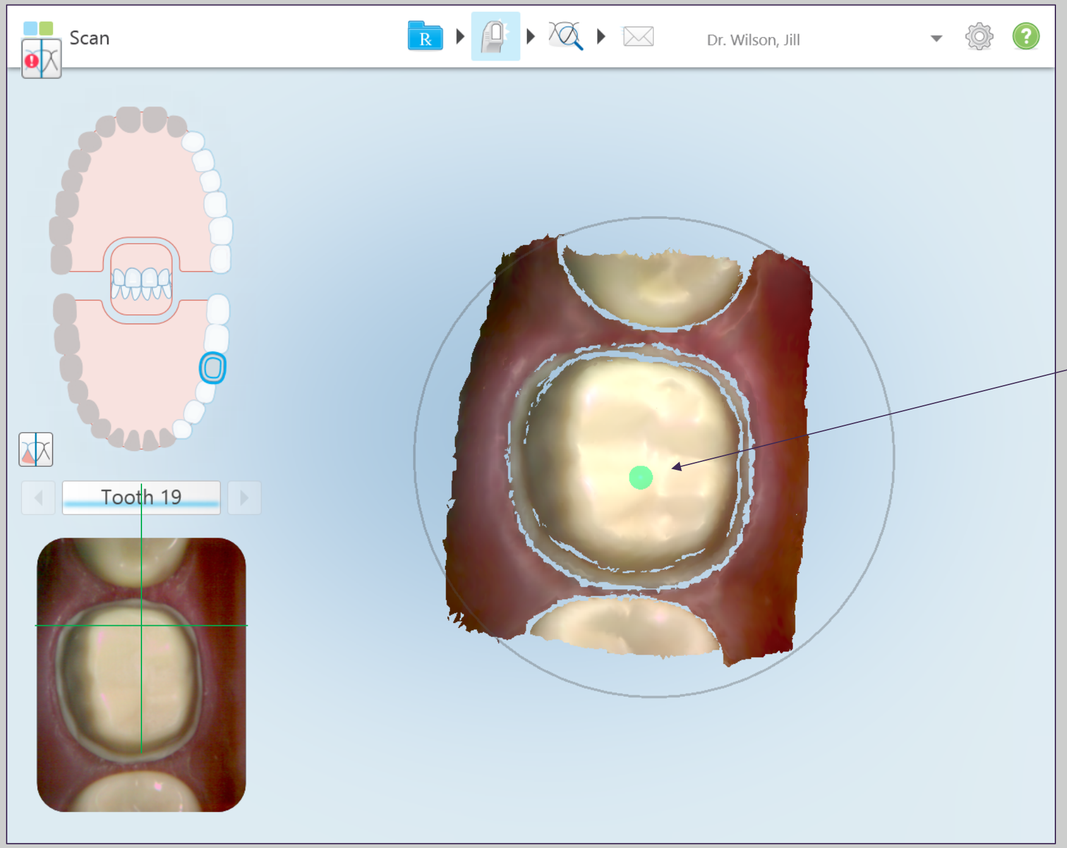
Green Dot on Prepped Tooth



If scanning accidentally begins on the adjacent tooth instead of the prep, the green dot should be moved to the prep. This will help ensure that the prep is processed in the highest quality.

To move the green dot, simply touch the dot and slide it over the desired prep tooth.

When scanning the prep have the green cross hairs centered on the prep.

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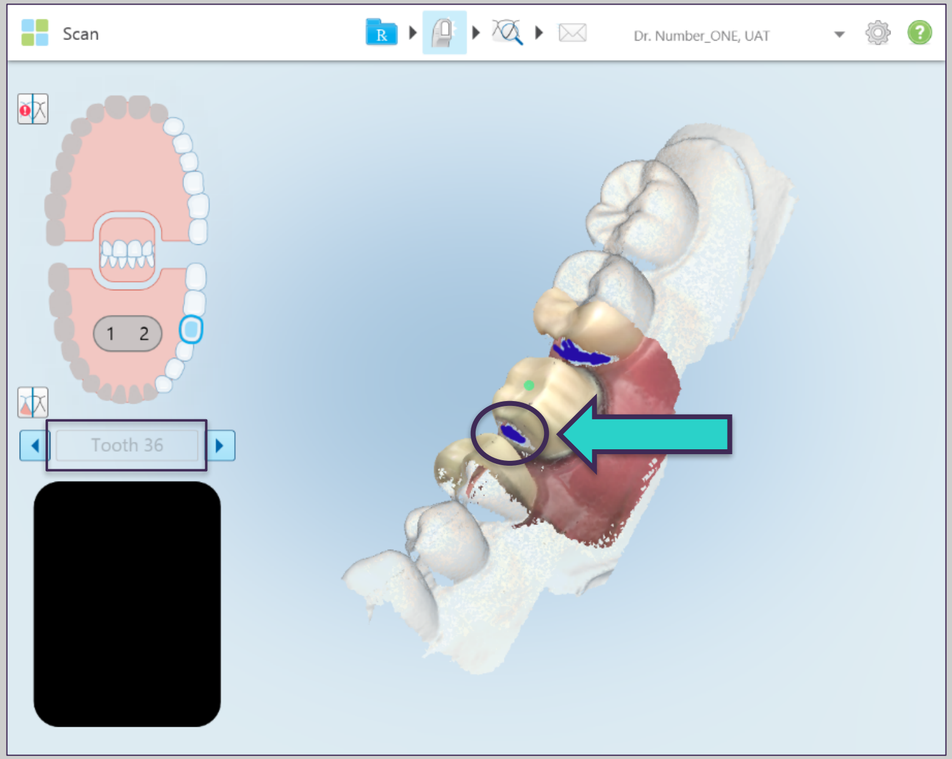
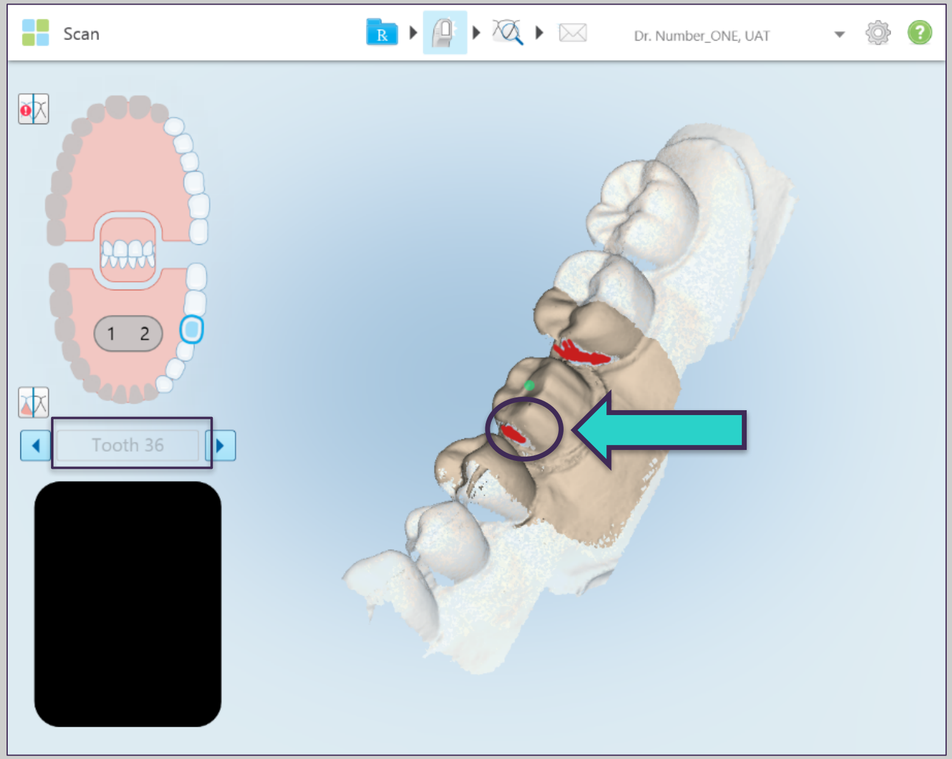
Prepped Tooth Optimized Scan Feedback -
Incomplete capture of prep walls



Color Scan mode



Monochrome scan mode

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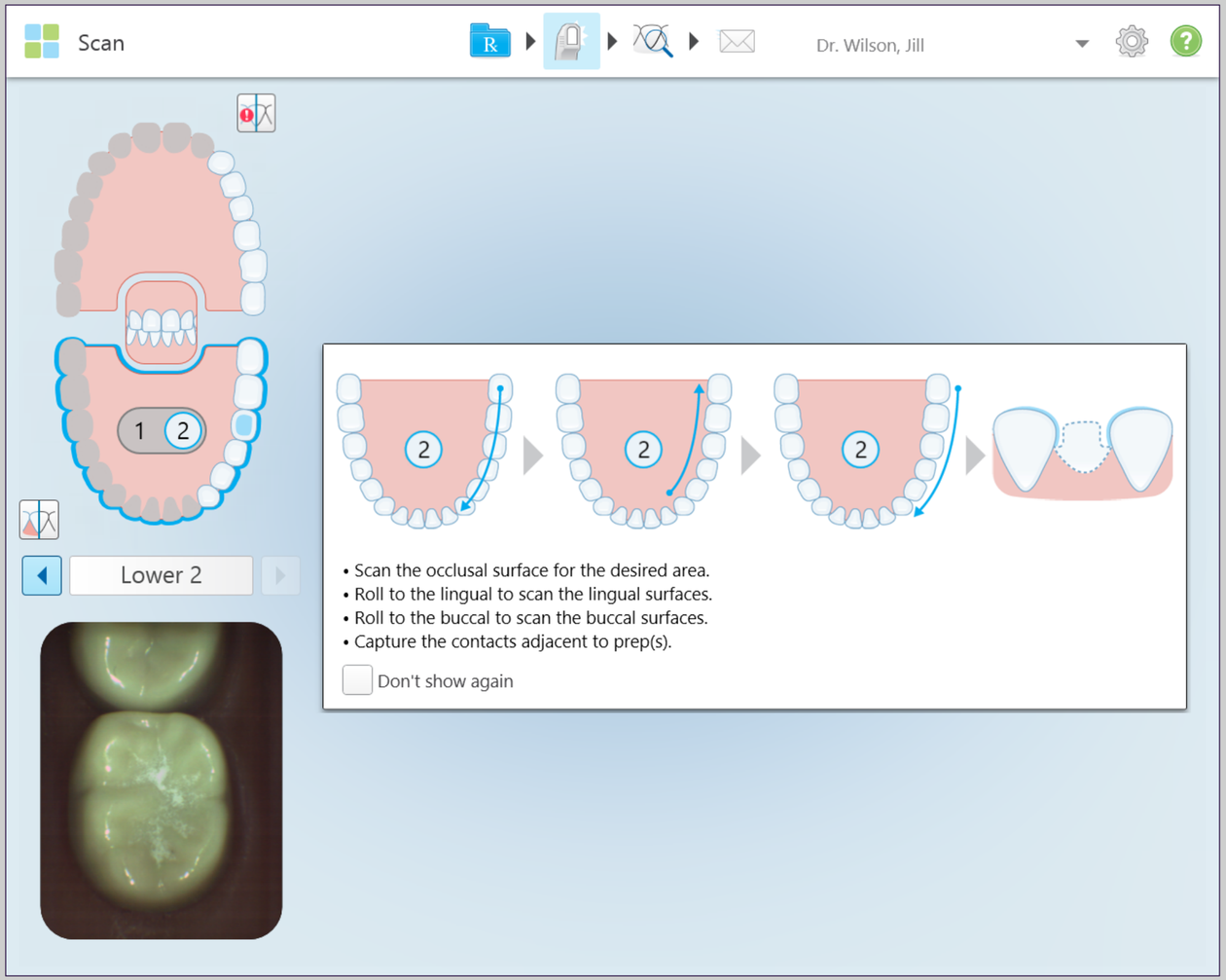
Prepped Arch



Suggested scanning sequence

- **Occlusal**
- **Lingual**
- **Buccal**
- **Distal contact of anterior tooth**
- **Mesial contact of posterior tooth**

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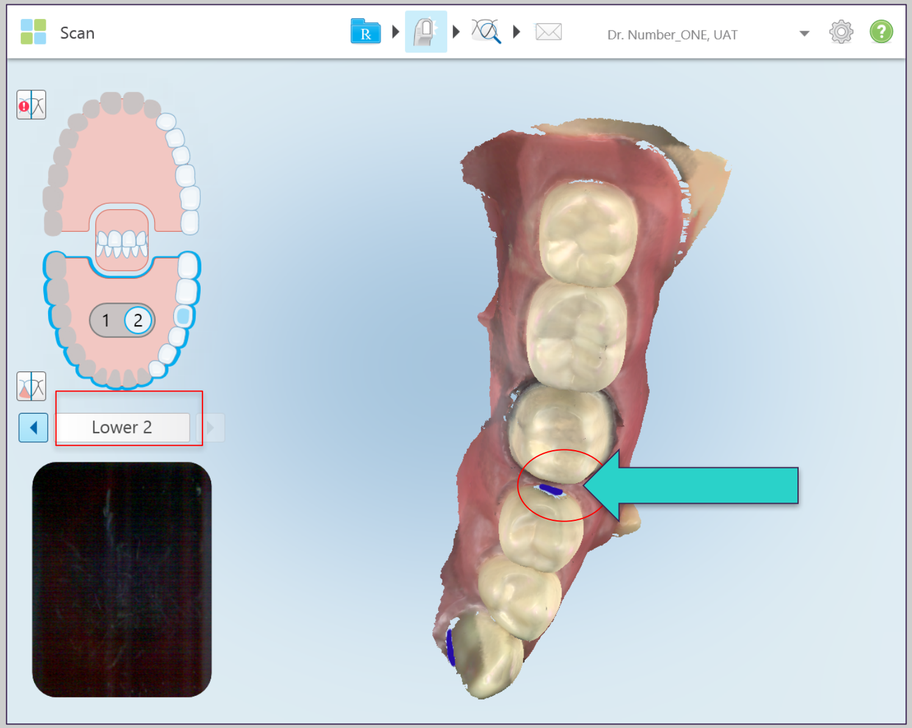
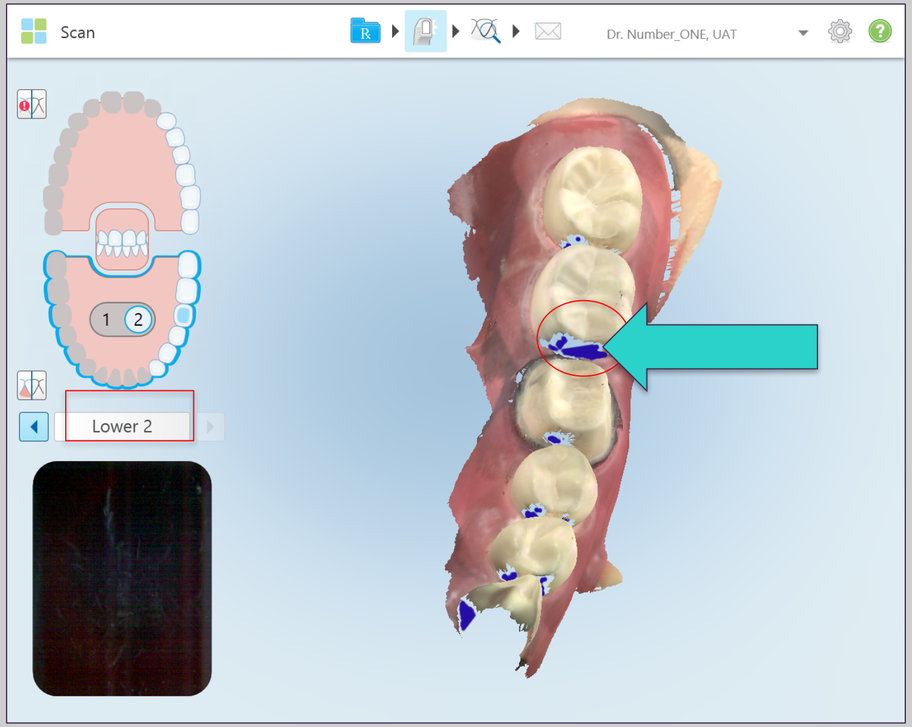
Prepped Arch Optimized Scan Feedback -
Incomplete capture of contact points



Mesial Contact



Distal Contact

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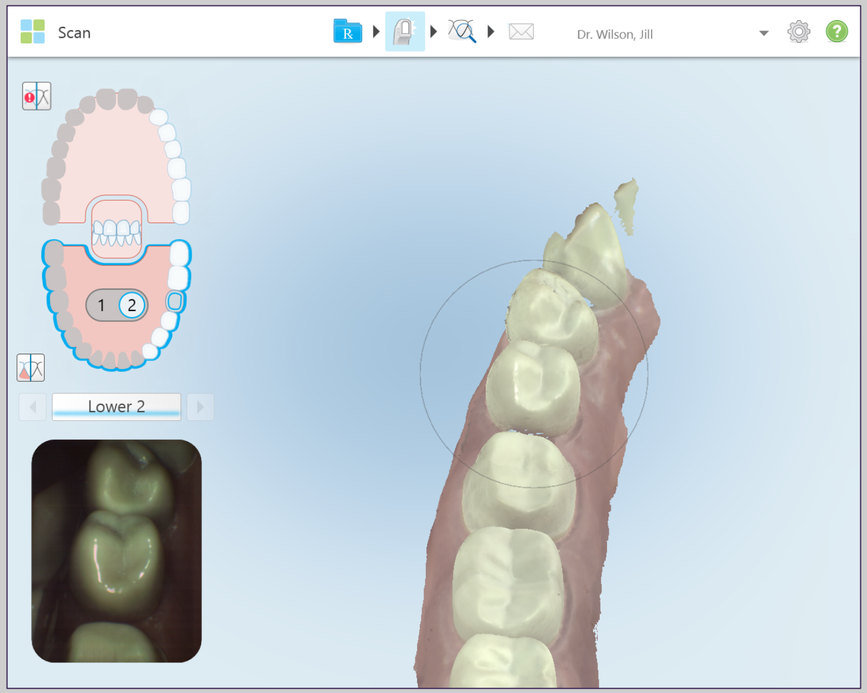
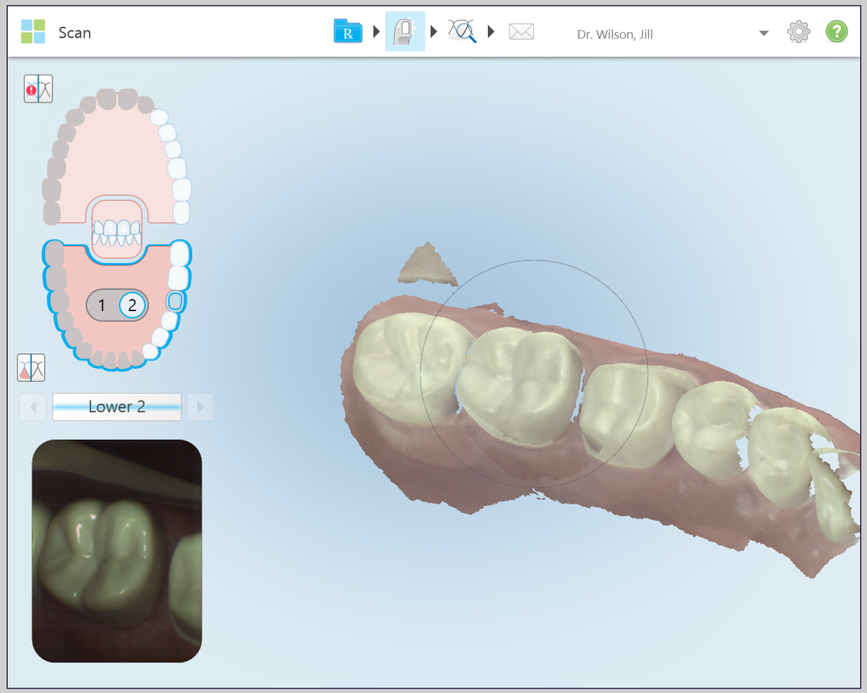
Prepped Arch – Proper capture of contact points



Mesial



Distal

To capture the adjacent contacts lay the wand tip flat on the occlusal surface and angle the wand tip to capture desired areas, or place the wand tip on the side of the prep and rotate the wand tip to capture the contacts.

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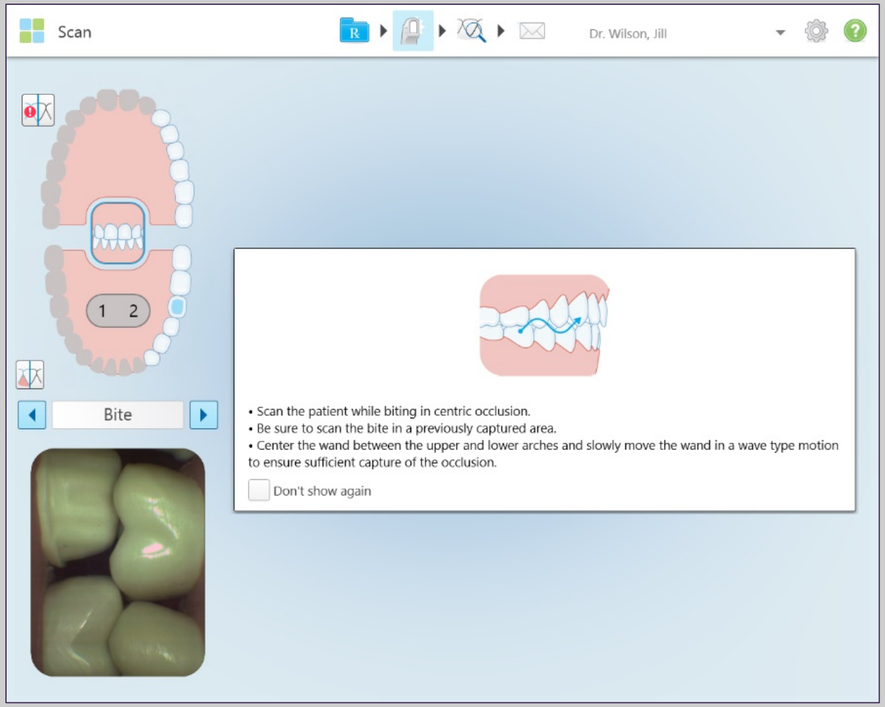
Bite

Bring the wand tip gently against the teeth observing the occlusion in the view finder.



Moving forward in a wave-like motion, capture 3-4 teeth in a previously scanned area.

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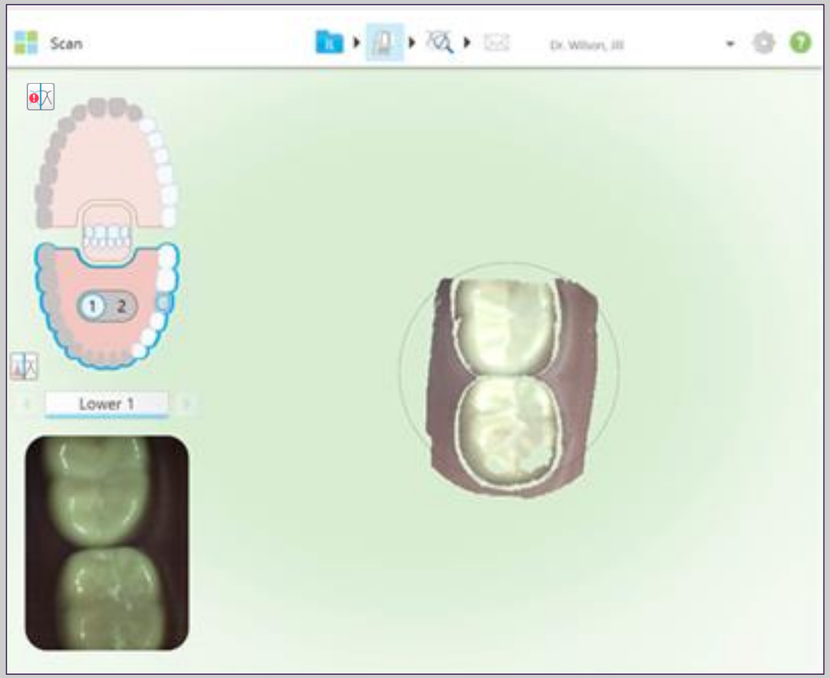
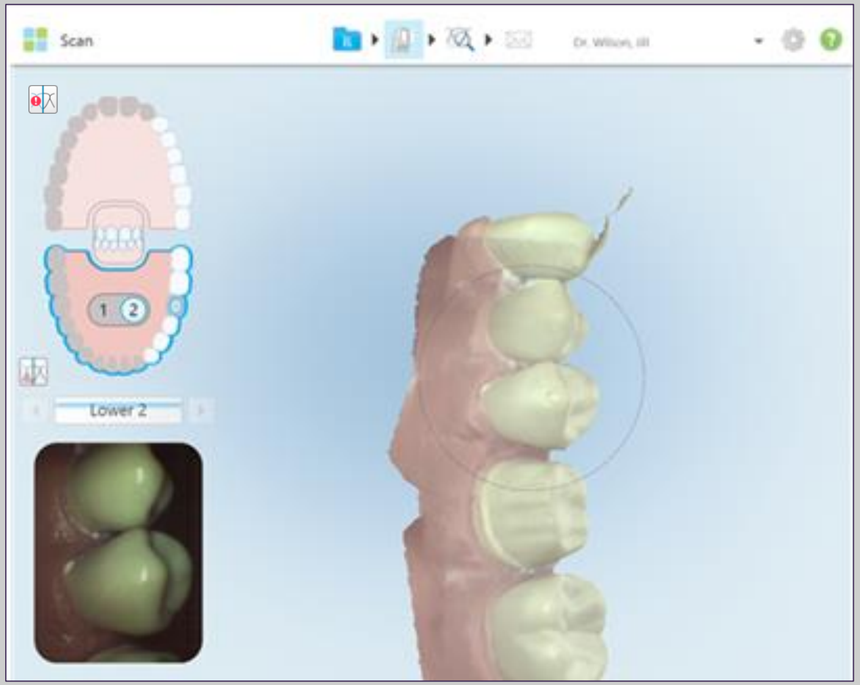
Pre-Treatment Scan





Pre-Treatment Scan

- Allows scanning the tooth anatomy before preparation
- Enables the lab to copy the original anatomy to the new restoration
- Data will be available on the following CAD-CAM Systems: 3Shape and Exocad

Workflow

- “1” Pre-treatment, green background
- “2” Post-Treatment, blue background
- Note: Doctor can switch between Jaws by tapping the associate number on the screen

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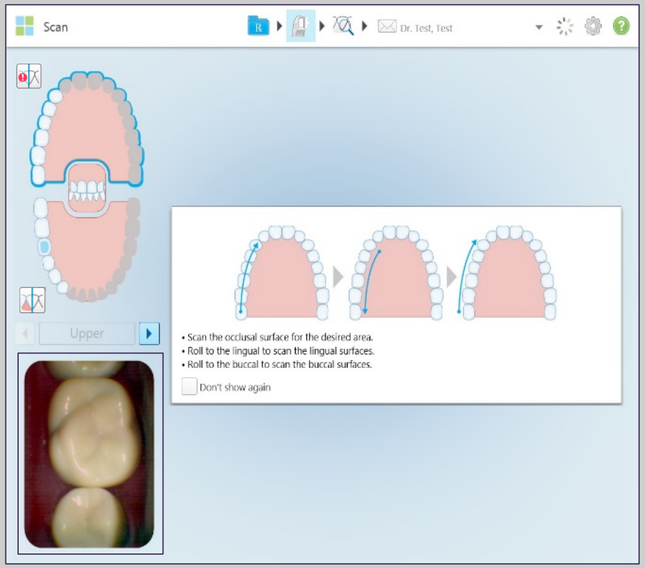
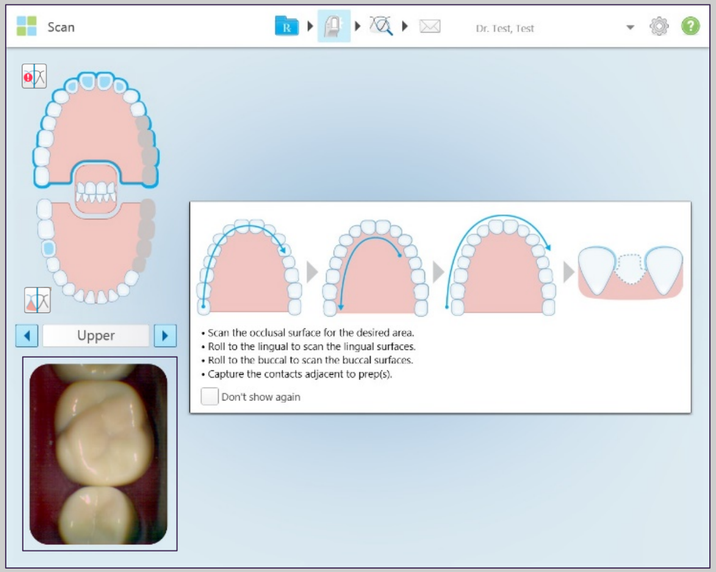
Interactive Scanning Range

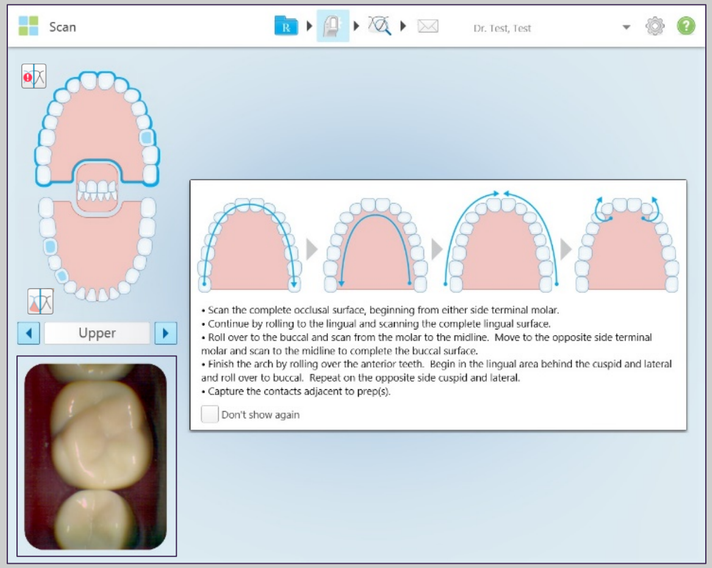
Quadrant



Expanded



Full Arch



- Choose the best scanning range according to the location and number of prepped teeth.
- Select a span or follow the guidance hints
- Use the arrows on the monitor or the hardware controls on the wand to transition between segments or preps.
- These methods will ensure that you capture all the required segments.

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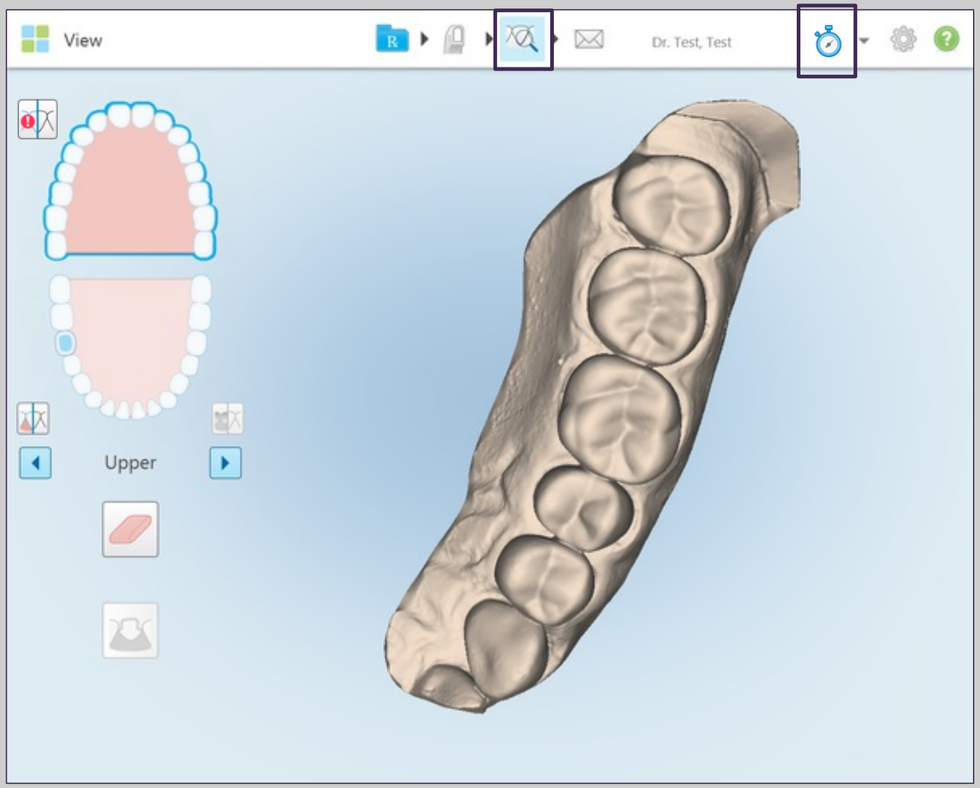
Evaluate Digital Model - Opposing Arch



Check to make sure there is enough occlusal and buccal anatomy.

Once the segments have been scanned, tap the view icon at the top of the touchscreen display to view the digital model in high resolution. Once the case has processed, evaluate the model to ensure that it is accurate and complete.

Use the Scan Timer icon to view your scanning time.

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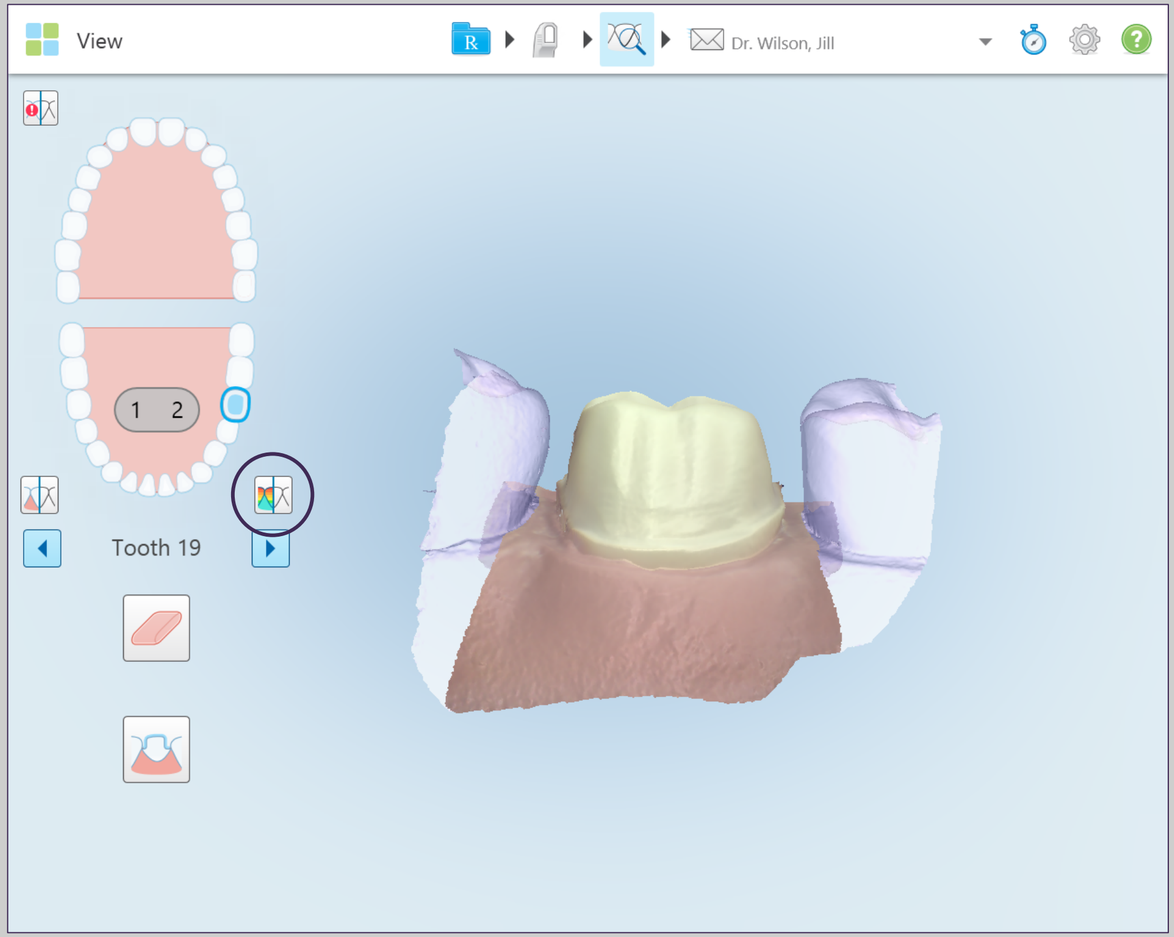
Evaluate Digital Model - Prepped Segment



- View the prepped scans in high resolution by tapping on the prepped tooth icon.
- Rotate the model to see the entire prep and margin line.
- Prep Review Checklist:

a) Margin is clearly visible

b) Prep is fully captured

c) Prep is clear of overlapping tissue or other obstructions that affects the margin

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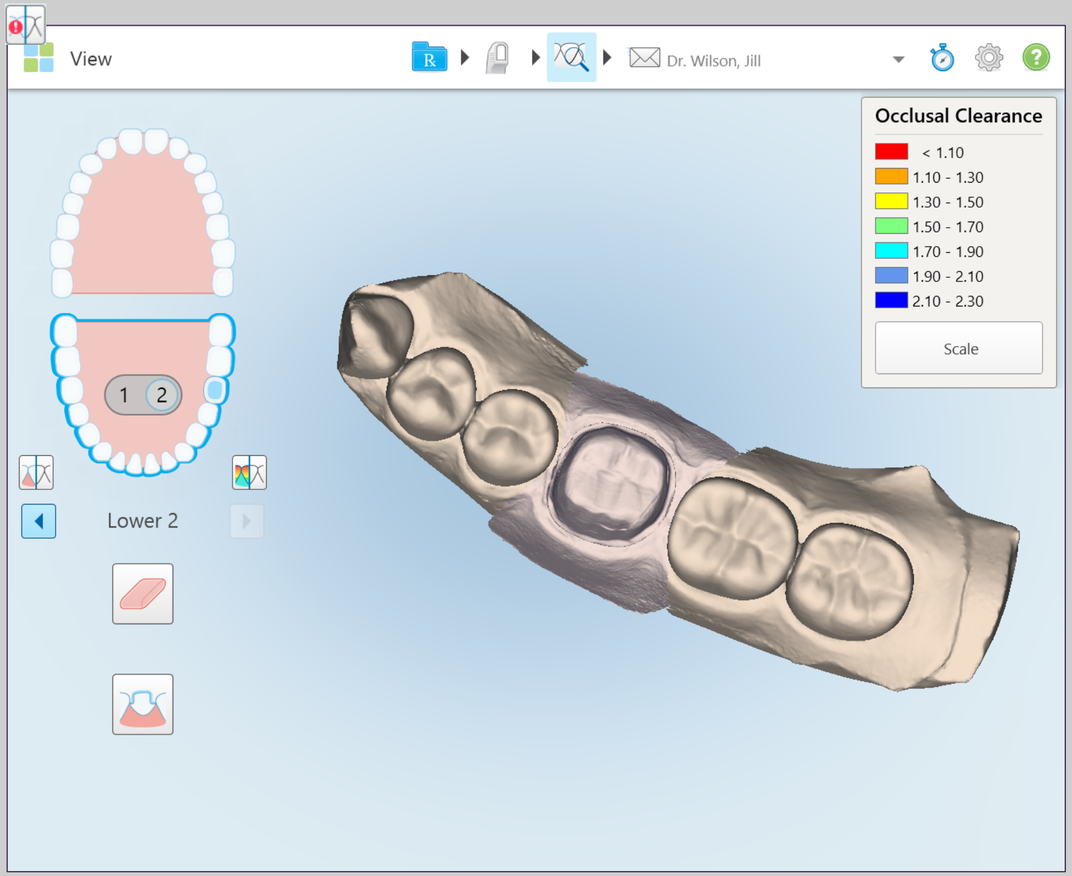
Evaluate Digital Model - Prepped Arch



Solid mesial and distal anatomy adjacent to the prep

Rotate the model to evaluate occlusal, lingual, buccal, mesial, and distal surfaces of the adjacent teeth.

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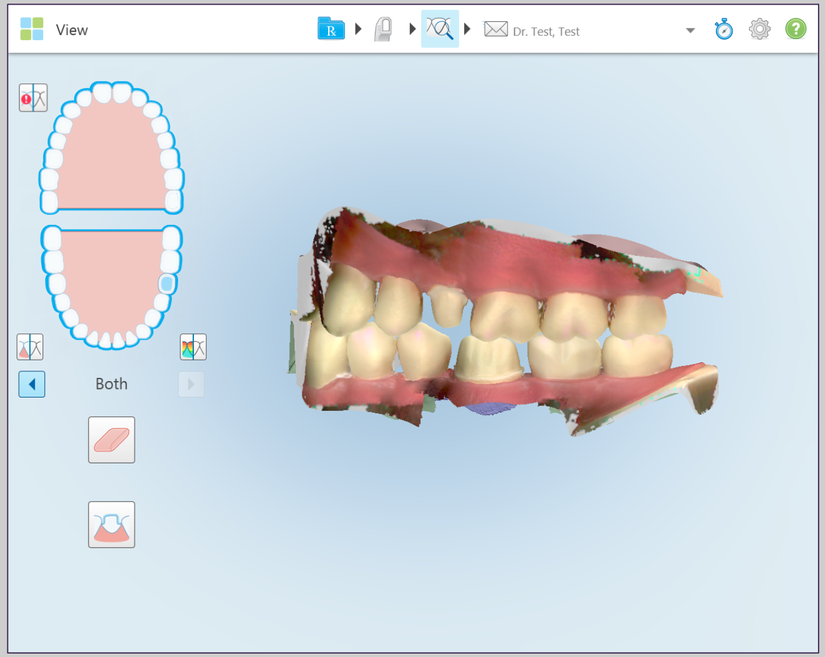
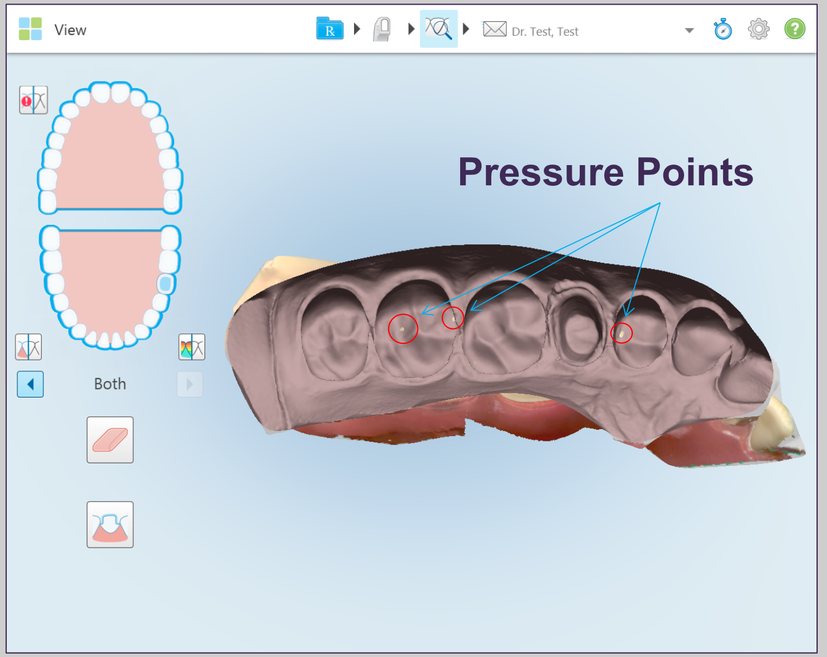
Evaluate Digital Model - Bite





Verify that the patient's bite is in centric occlusion and has occlusion on the adjacent teeth by checking the pressure points.

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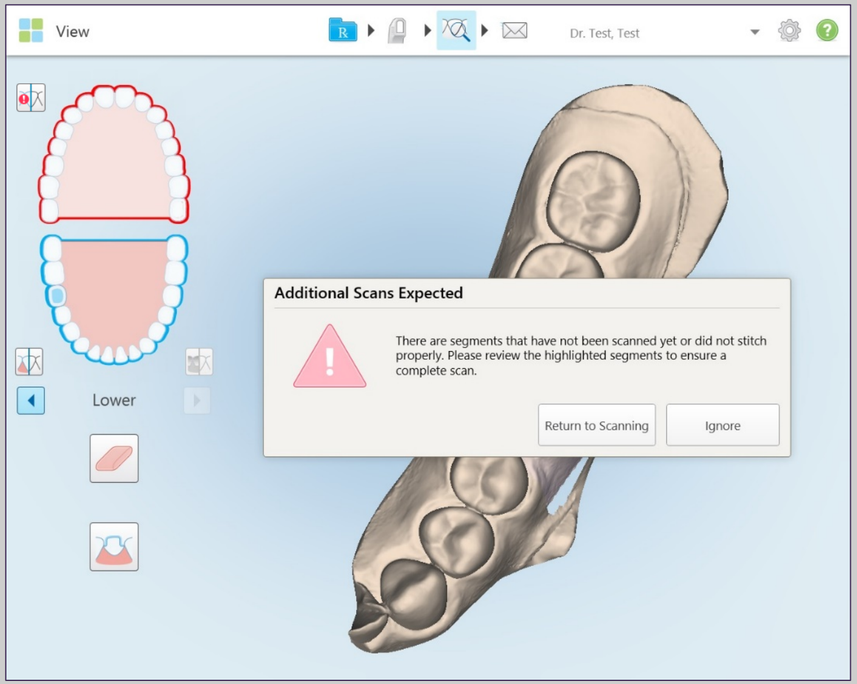
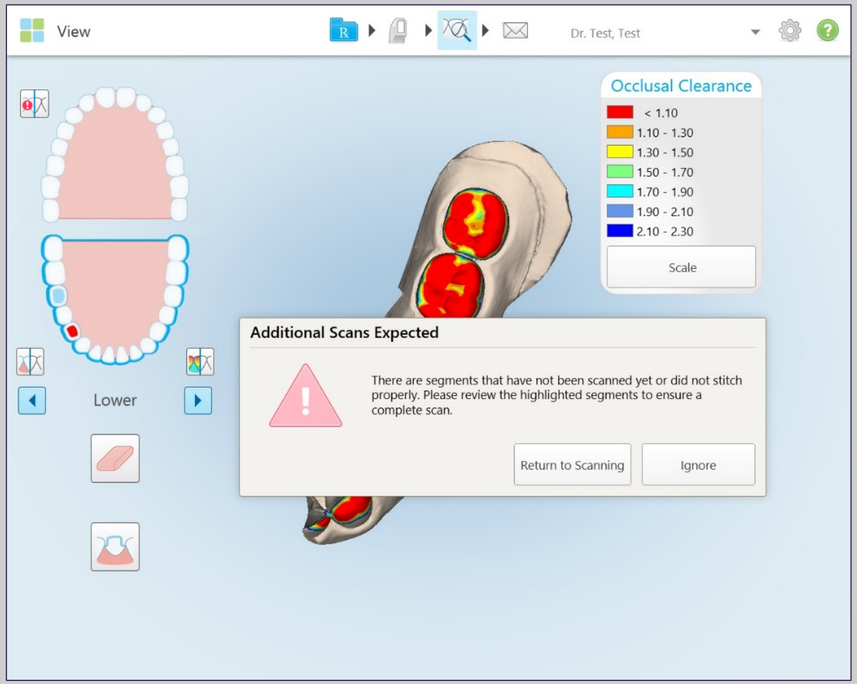
Missing Scan Segments – Warnings

Segments



Prepped Teeth



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Model Review

Before dismissing the patient, evaluate the following:

Opposing arch

Confirm there is enough teeth anatomy. The occlusal and buccal are key to ensure bite registration

Prepped segment

Defined margin; clear of overlapping tissue or other obstructions (moisture, cord)

Fully captured prepped tooth

Prepped arch

Solid mesial and distal contacts to the mesial and distal surfaces of the adjacent teeth

Enough occlusal and buccal anatomy

Bite

Ensure that the scanned bite registration matches the patient’s occlusion

Prescription

Confirm lab and additional notes

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Analyzing Tools - Prepped Separation Tool

The Prepped Separation Tool is used to analyze the prep and surrounding areas in high resolution.

Select the prepped tooth to be analyzed

Tap on prepped separation icon

Reshape may be needed:
Use the + or – sign to define the area

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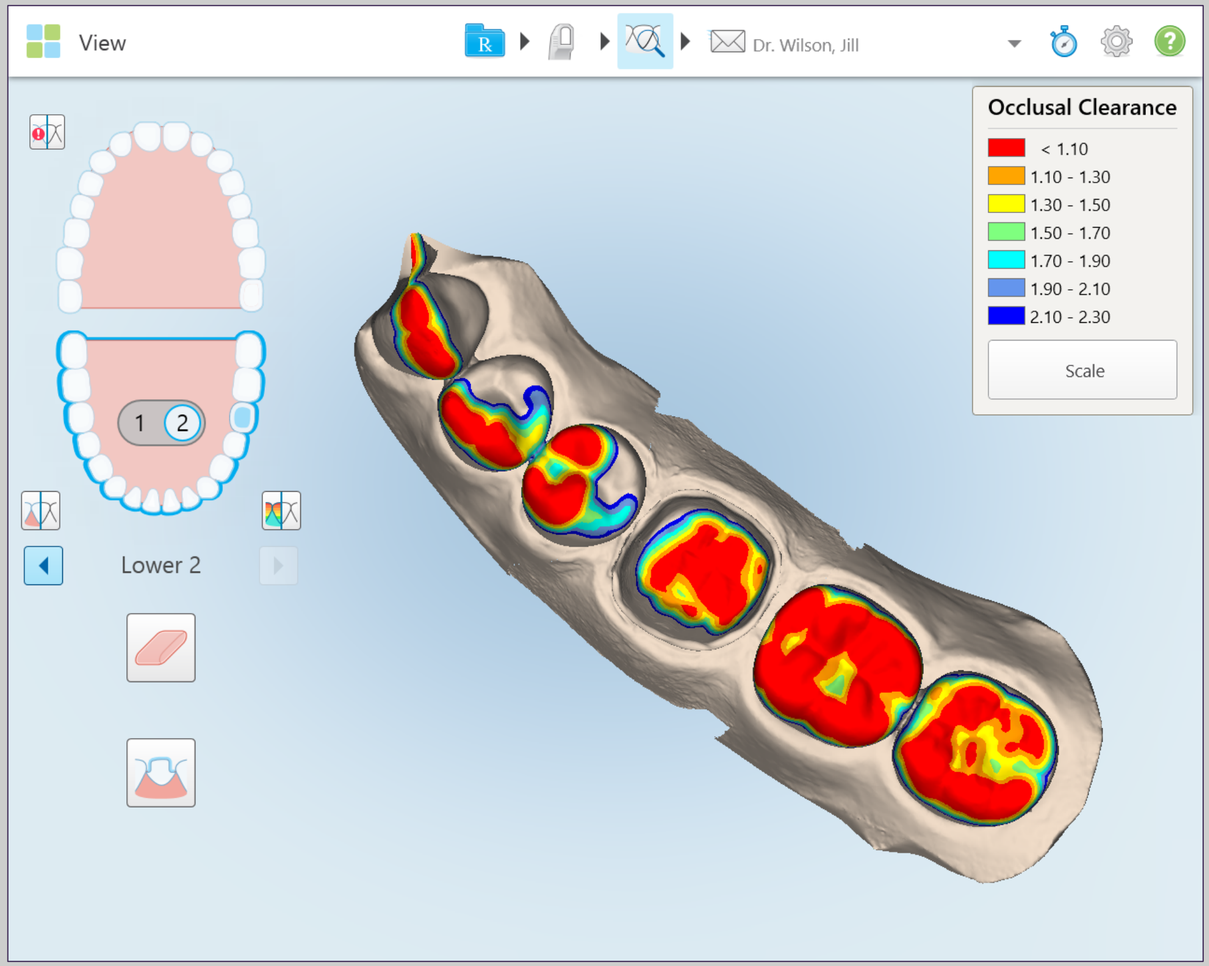
Analyzing Tools – Occlusal Clearance Tool



The Occlusal Clearance Tool ensures that the prep has sufficient reduction for the material chosen in the Rx.

If the prep shows areas of red color, reduce the prep and rescan using the eraser tool.

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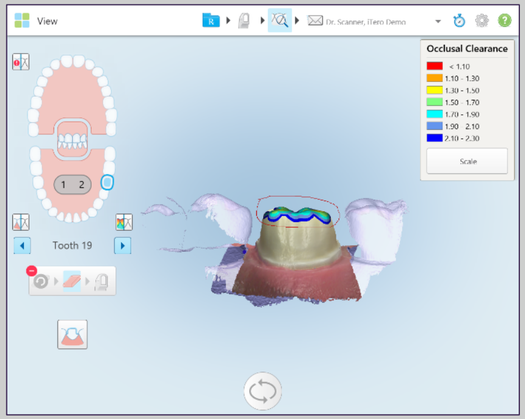
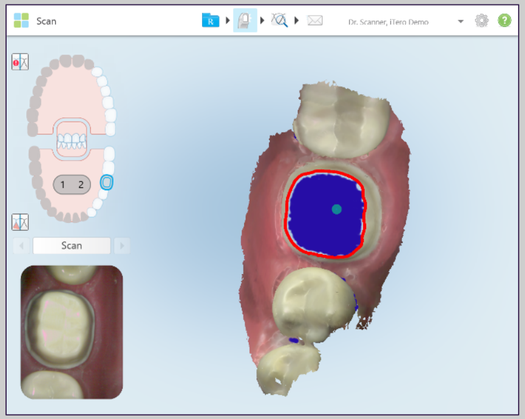
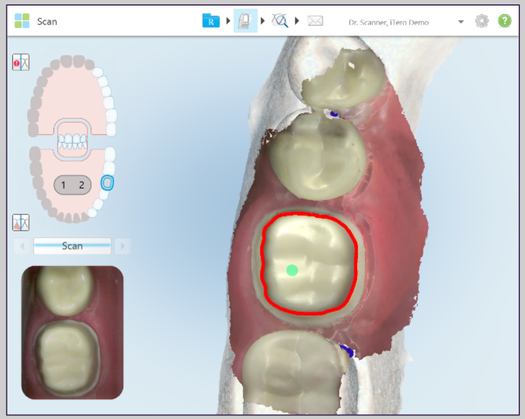
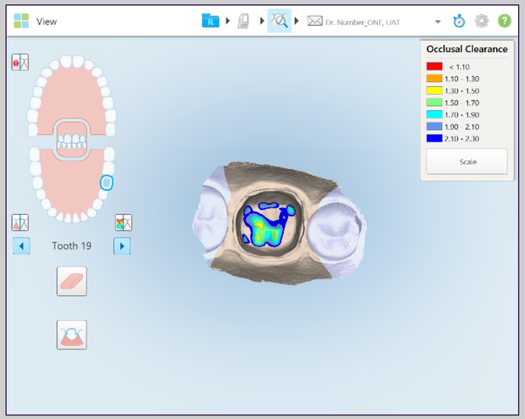
Corrective Scenario - Erase and Correct Prep Clearance









Occlusal Clearance Corrections

1. Ensure that you are in the buccal view, then select the eraser tool
2. Circle the area that will be modified on the model
3. Adjust the clearance on patient's tooth
4. Select scan tool to scan the modified circled area
5. Activate view tool
6. Confirm the reduction was enough

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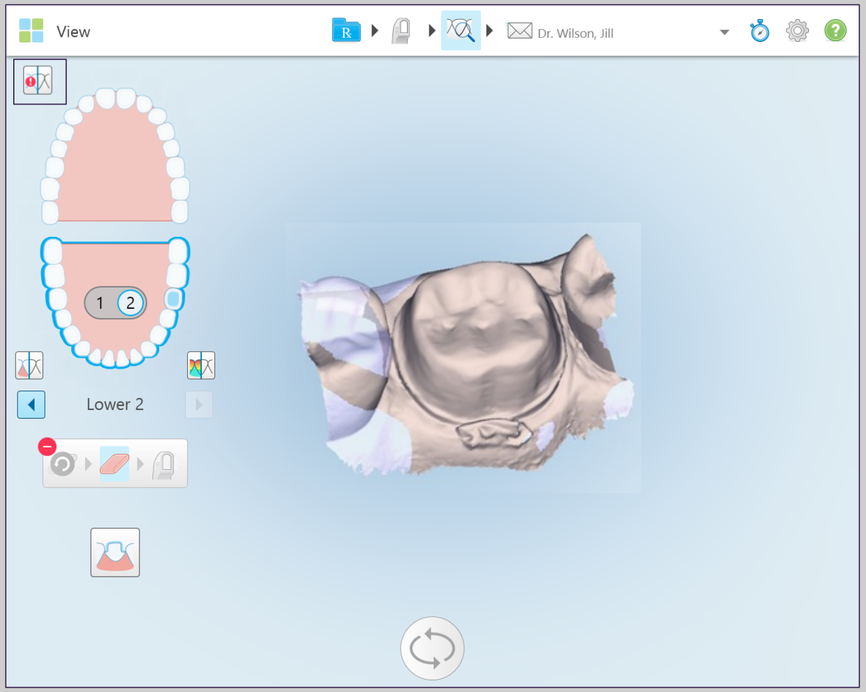
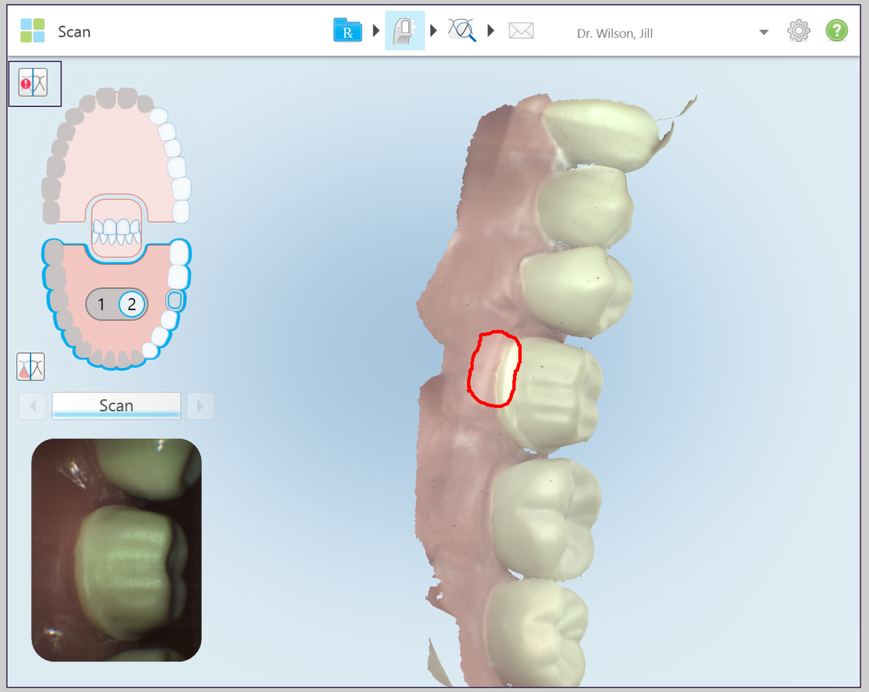
Corrective Scenario - Eraser Tool





Adjustments needed at the margin level (e.g. moisture, artifacts)

Follow the steps described previously

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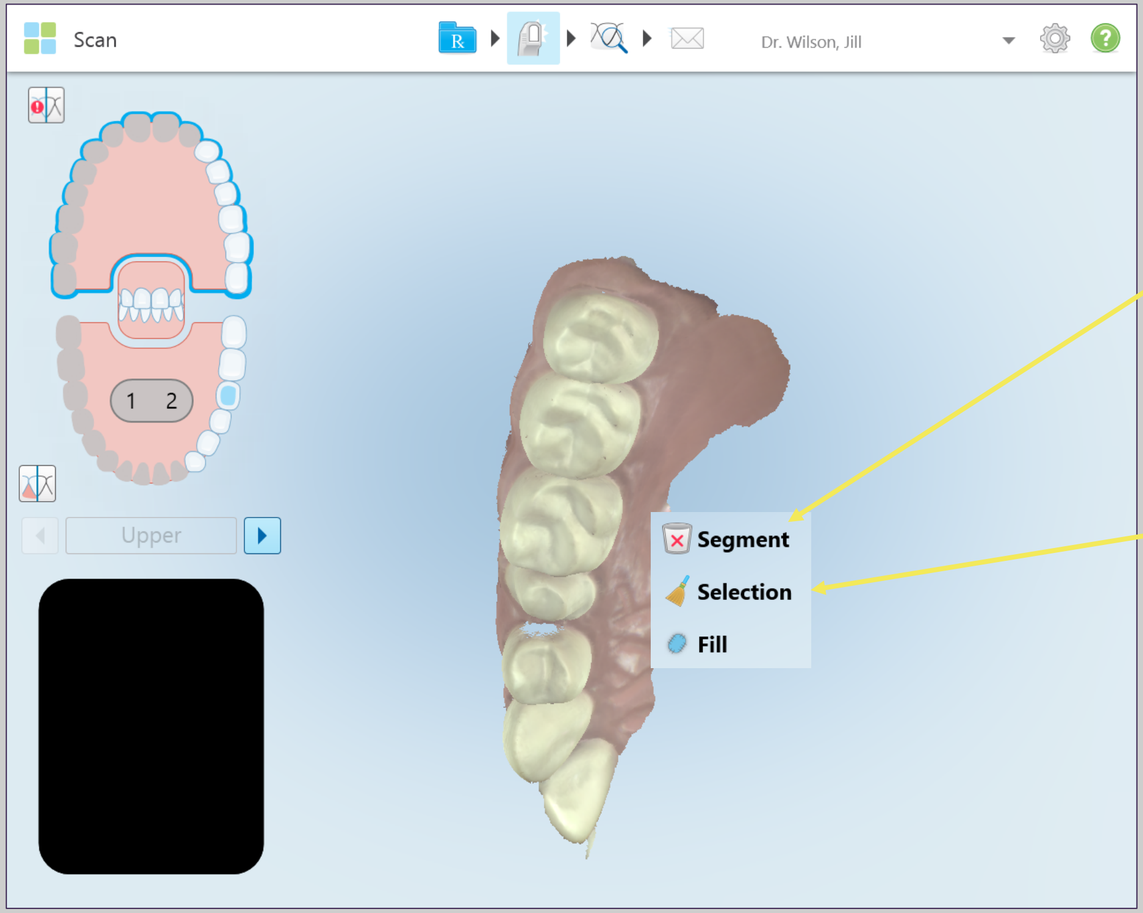
Corrective Scenarios: Delete Segment or Selection



Delete Segment Tool

Deletes the whole segment by tapping on the waste basket.

Delete Selection Tool

Deletes small amounts of anatomy by tapping on the broom.

Using a swiping motion, erase the unwanted anatomy.

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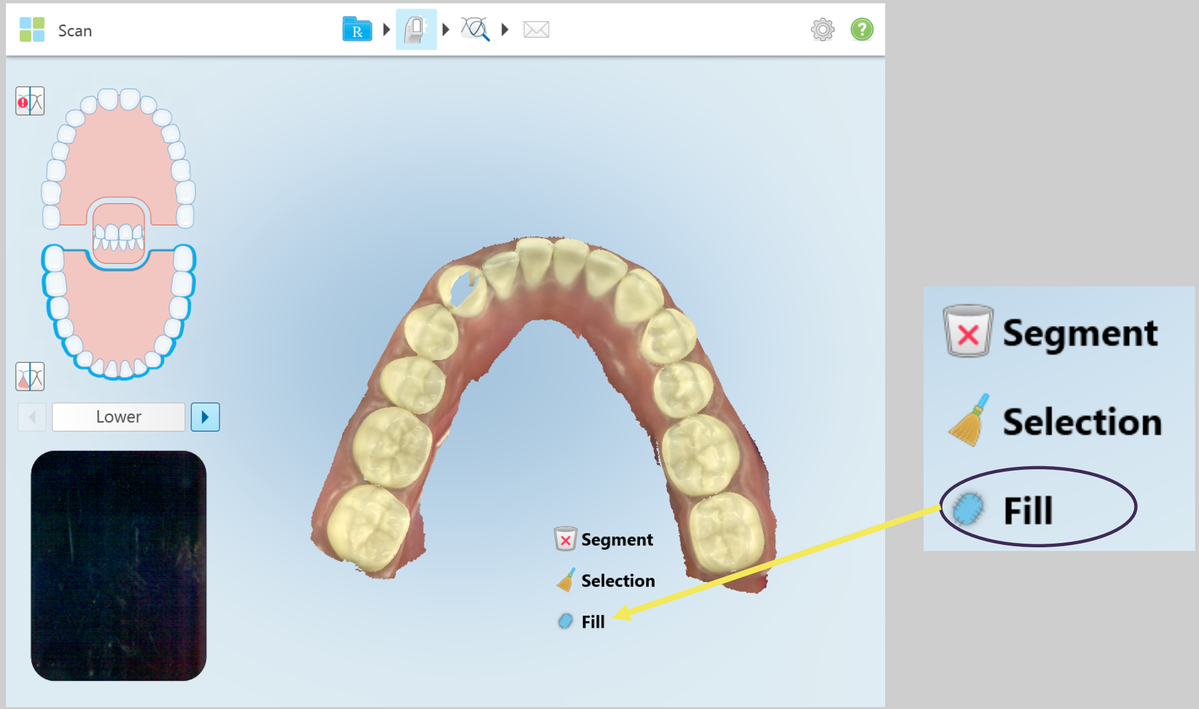
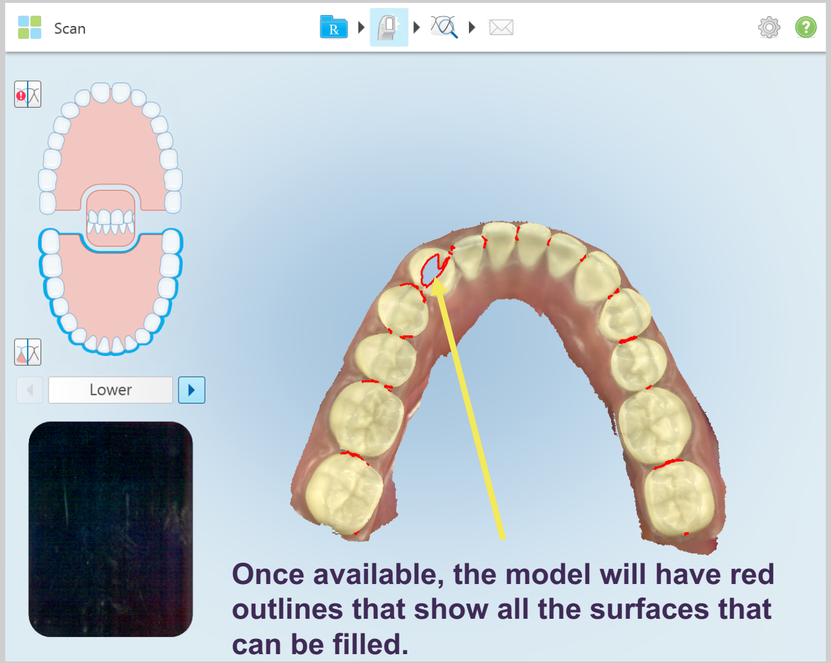
Fill Mode

There may be times when persistent areas of missing anatomy exist regardless of how many times you try to capture them in scan mode. These areas may be caused by the interference of anatomy (lips, cheeks and tongue) or moisture in the scanning segment. The fill tool has been added to the iTero Element software to enable you to more easily capture these areas.

1. To use the fill tool while in scan mode, long press on the screen to enter the scan option menu.



2. Select the "Fill" option. Depending on the number of scans taken, it may take a few moments to prepare the scan for the Fill mode to appear.



Once available, the model will have red outlines that show all the surfaces that can be filled.

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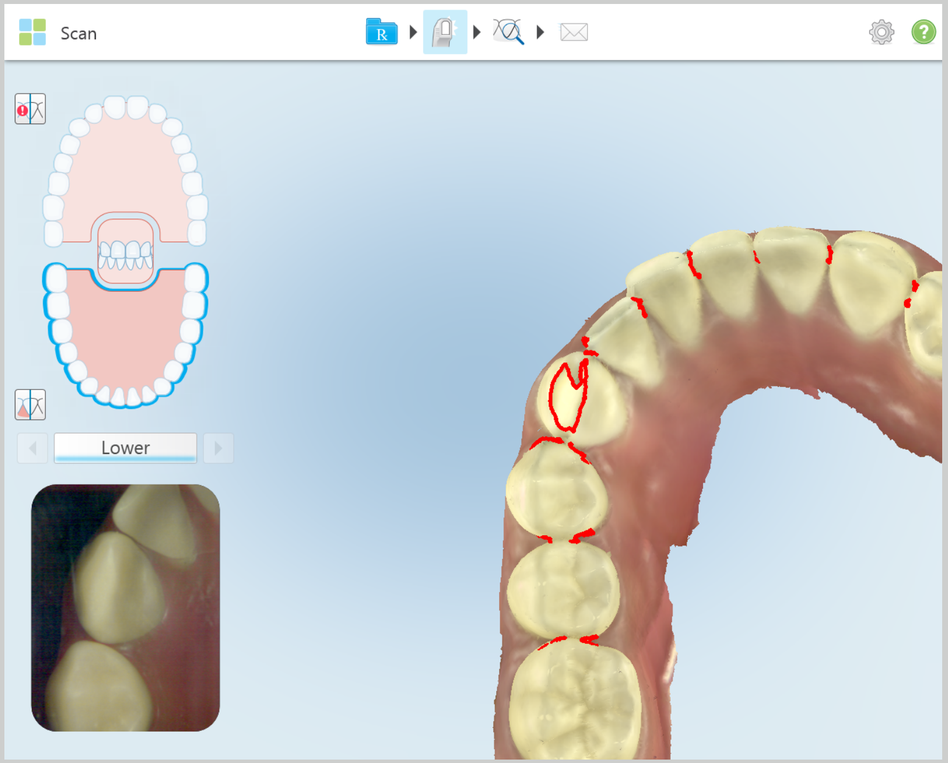
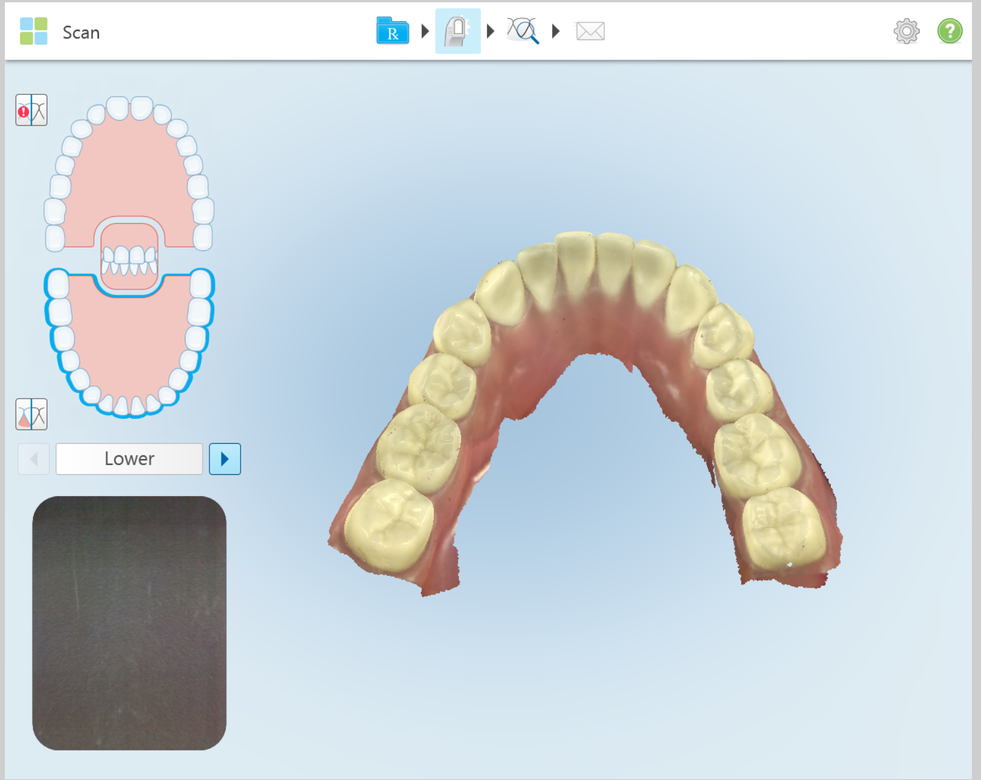
Fill Mode

3. Rescan the area of persistent missing anatomy. Note: there is no need to fill every area marked in red. It is recommended to only fill the area not being captured.



4. Press either wand button to end the Fill Mode feature. This will return to the regular scanning mode and the previous voids should now be eliminated.



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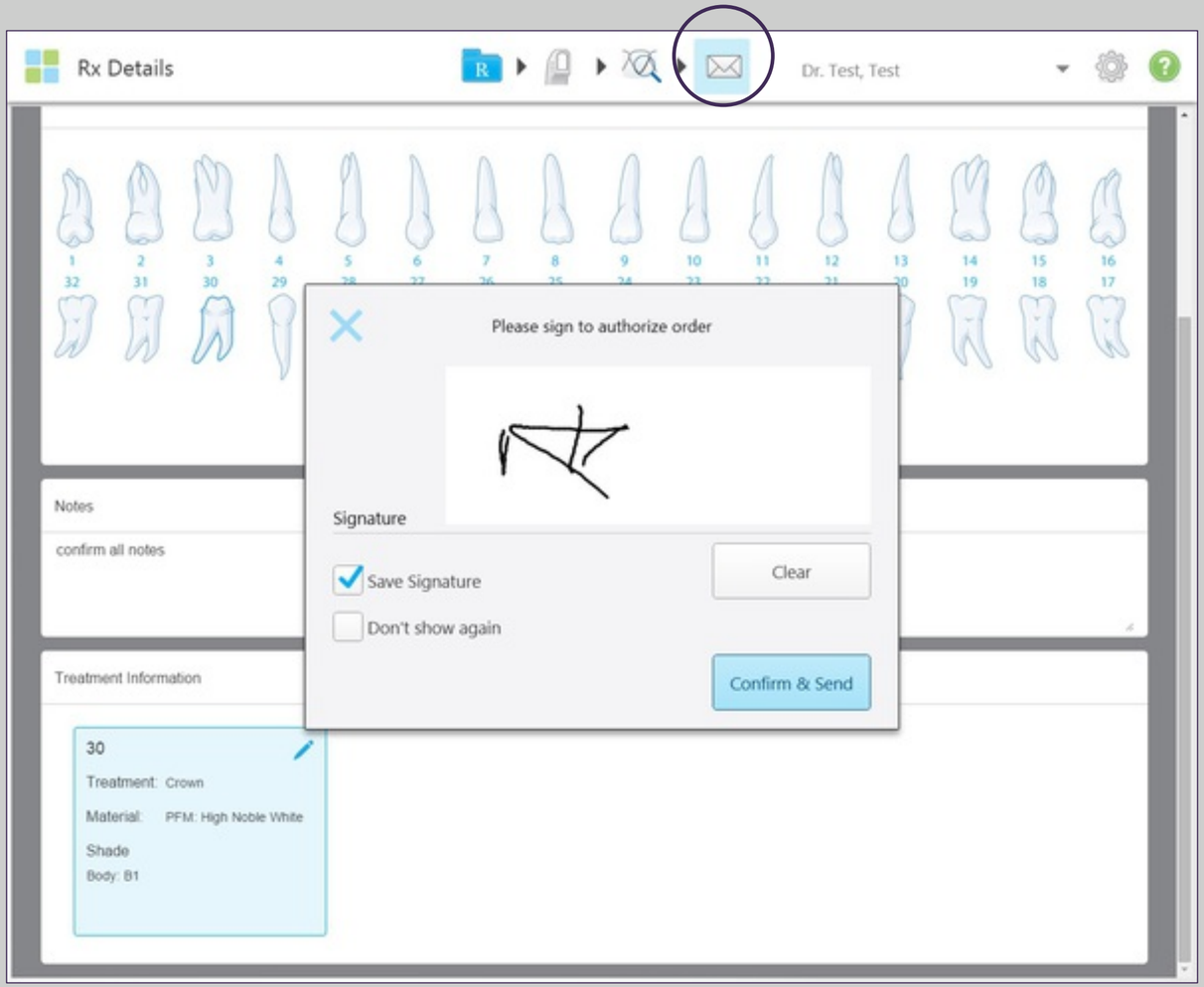
Send a Restorative Case



Prior to sending a case, review the Rx again to confirm the prescription is filled out properly and all relative information is communicated to the lab.

To submit the case, tap on the envelope in the tool bar.

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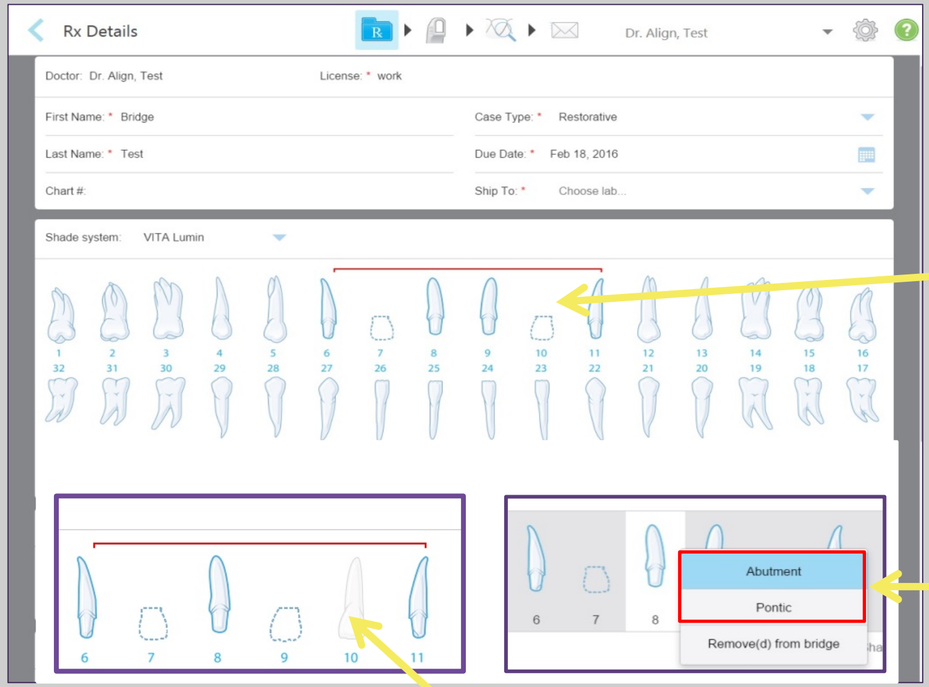
Restorative Prescription for Bridges



Define the bridge span

Mark the prep teeth as abutments or pontics

If a tooth is missing within the span and there is no space to fit a pontic, select ‘Removed from bridge’.

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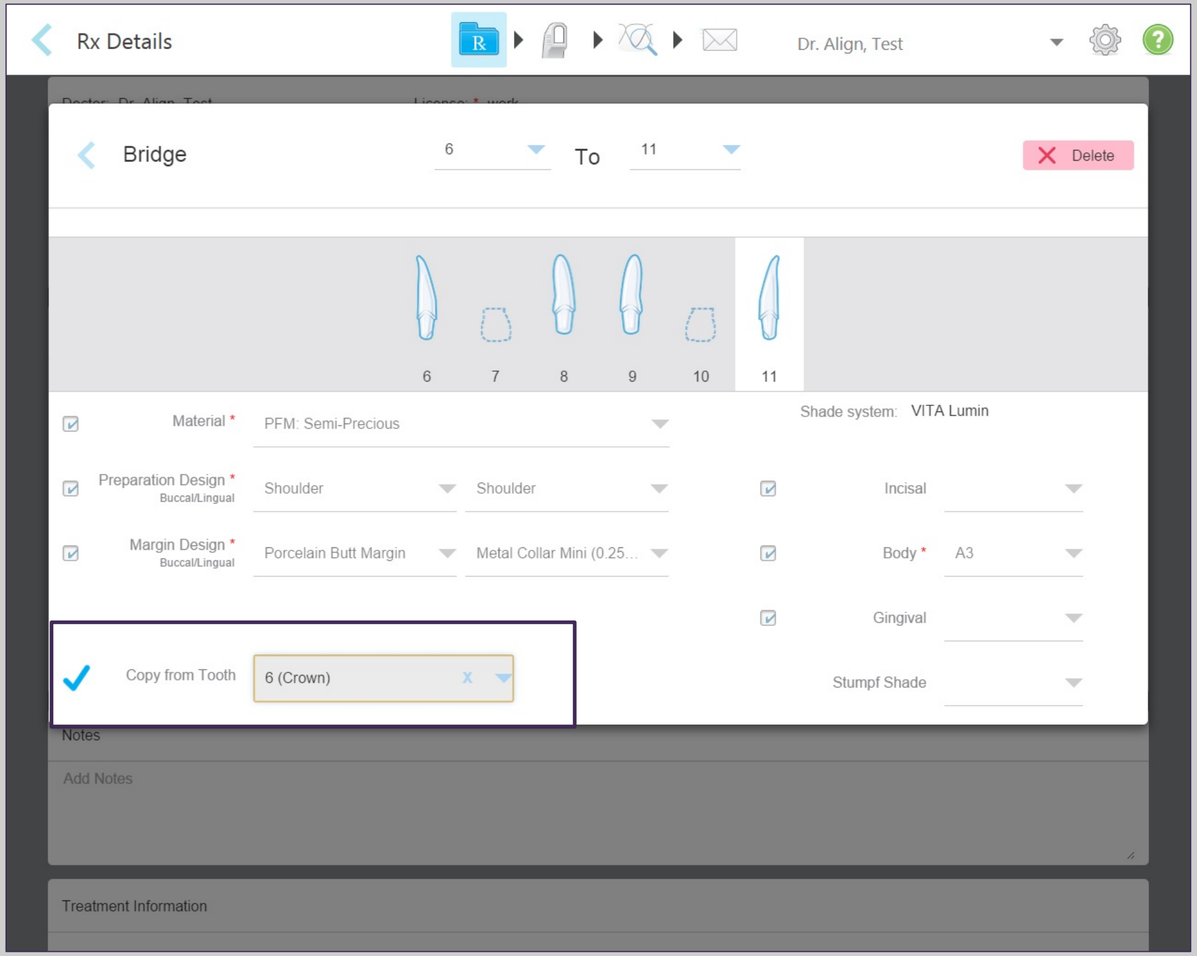
Restorative Prescription for Bridges - Prep Design and Material



Select the shade, material, preparation and margin designs for one prep and assign the same features to the other preparations.

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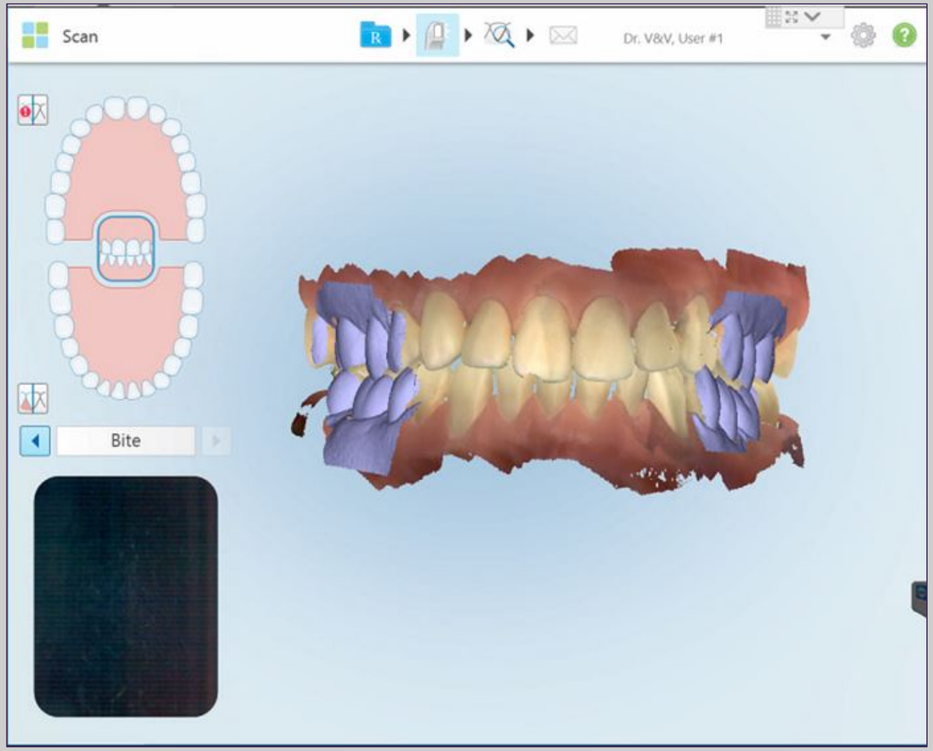
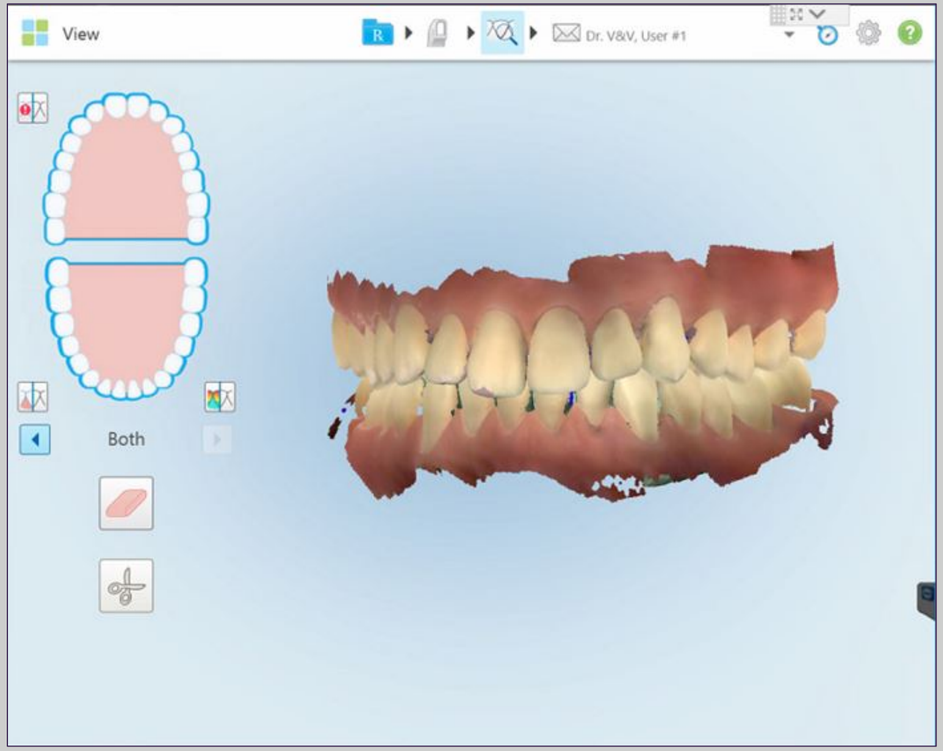
Scan in Color Feature





Clinicians will experience real-time scan in color in both scan and view mode to make it easier to visually distinguish between gingival and tooth structure for a more precise clinical evaluation while scanning. The color scan will provide additional information to the laboratory technician when they attempt to imitate the shading of the original dentition.

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Invisalign Powered by iTero

In this section we will cover:
Model evaluation for Invisalign cases
Invisalign Outcome Simulator
Progress Assessment tools.

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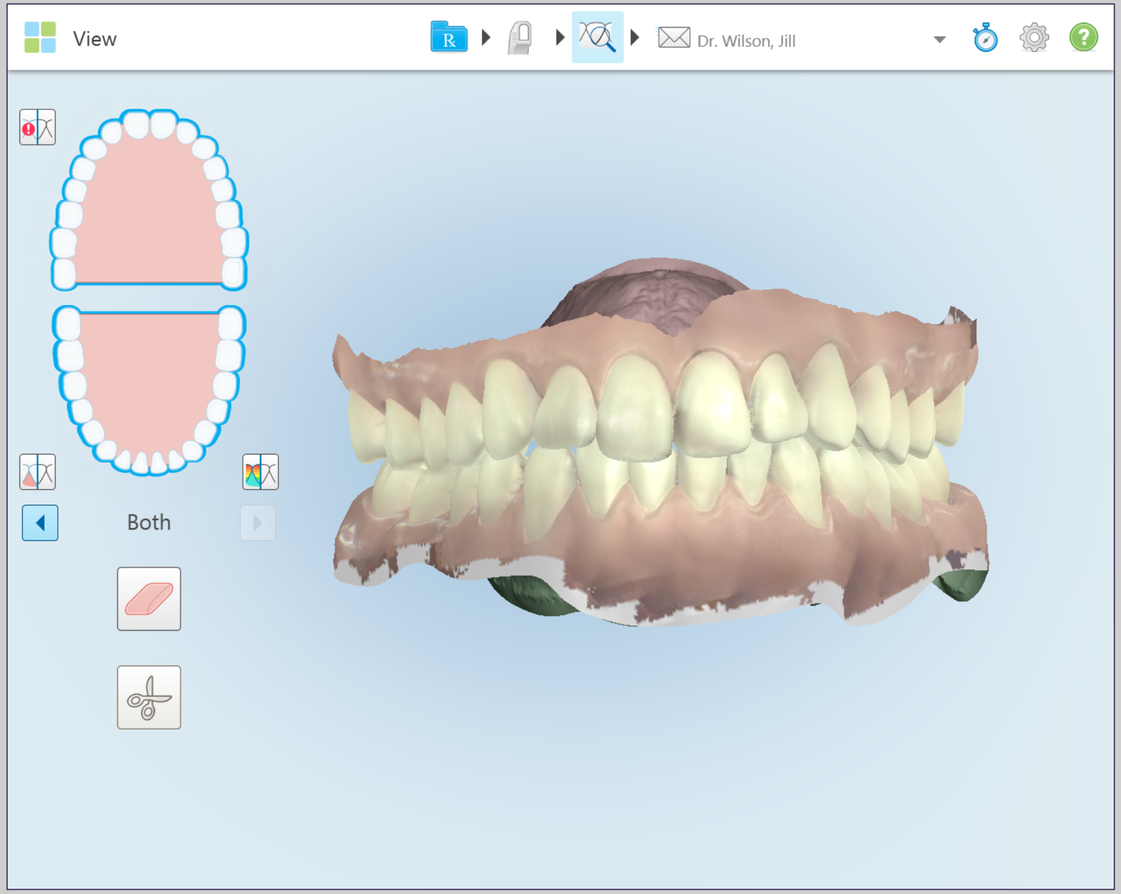
Evaluate Digital Models



For production of properly fitting aligners, evaluate the digital model for the following before submitting

- **Capture 2 mm of gingival tissue**
- **Distal wall of the terminal teeth**
- **Mesial and distal interproximal anatomy**
- **The complete incisal / occlusal surfaces of both mandible and maxilla**
- **Accurate bite with the patient in centric occlusion**

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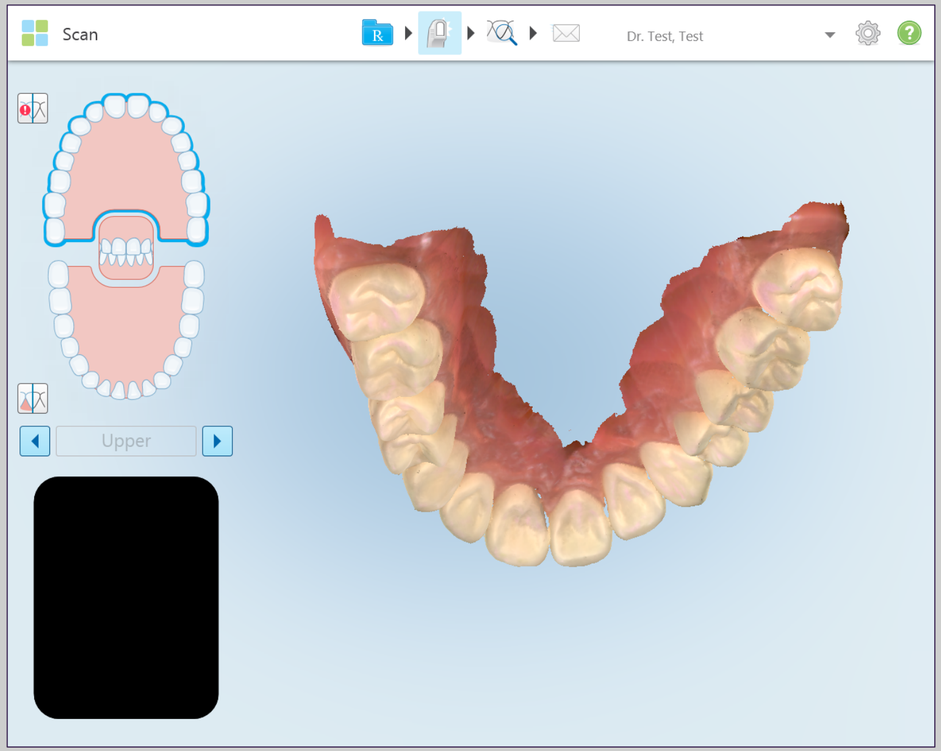
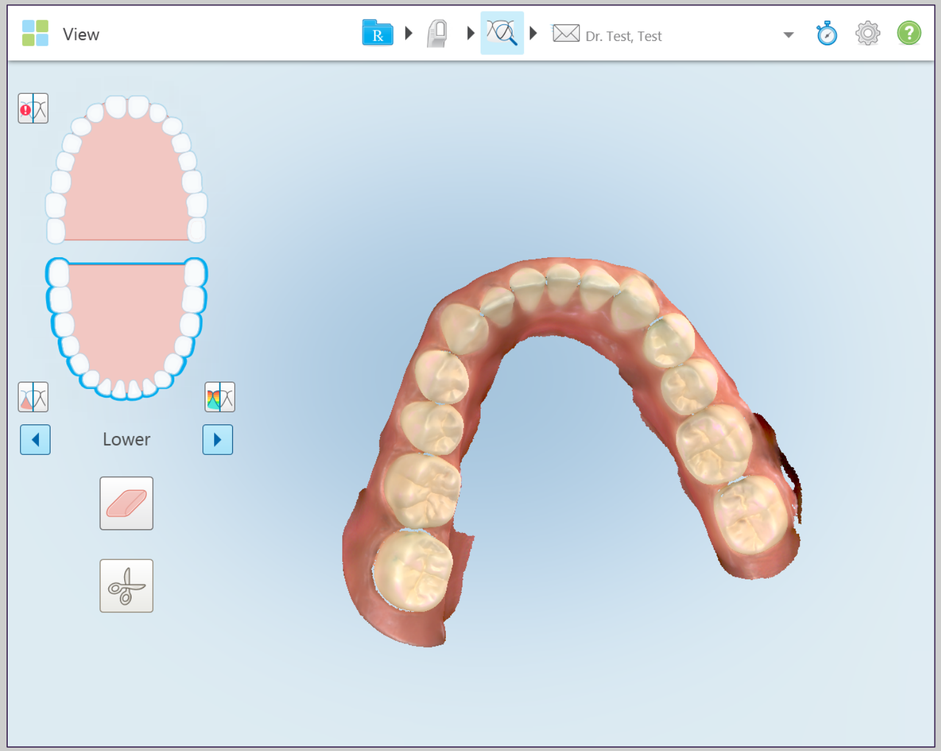
Evaluate Digital Models

Distal wall of upper terminal teeth.



Distal wall of lower terminal teeth.



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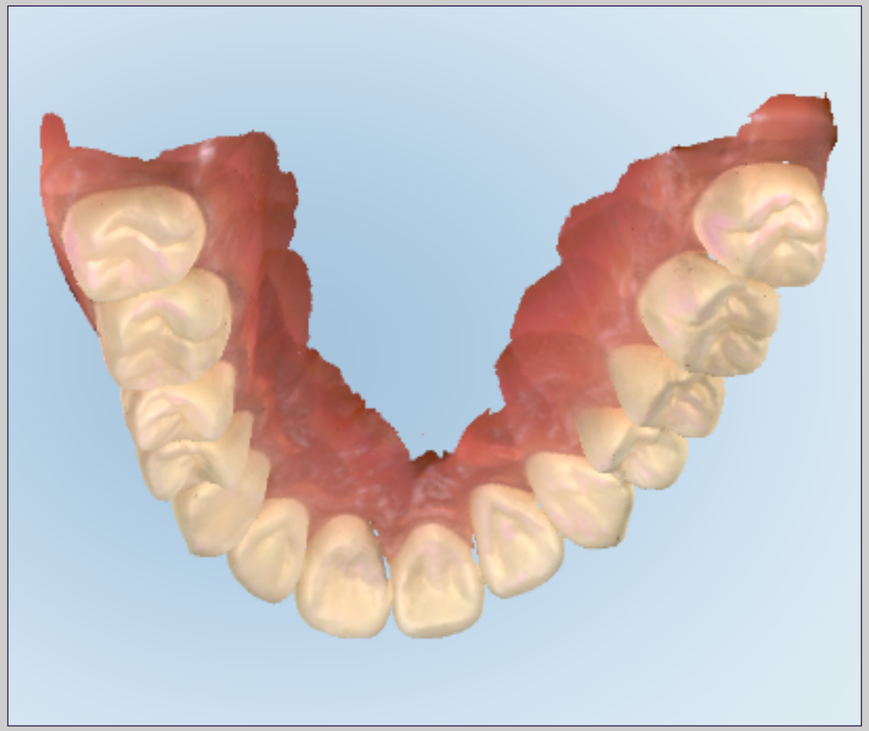
Evaluate Digital Models



The complete incisal / occlusal surfaces of both mandible and maxilla

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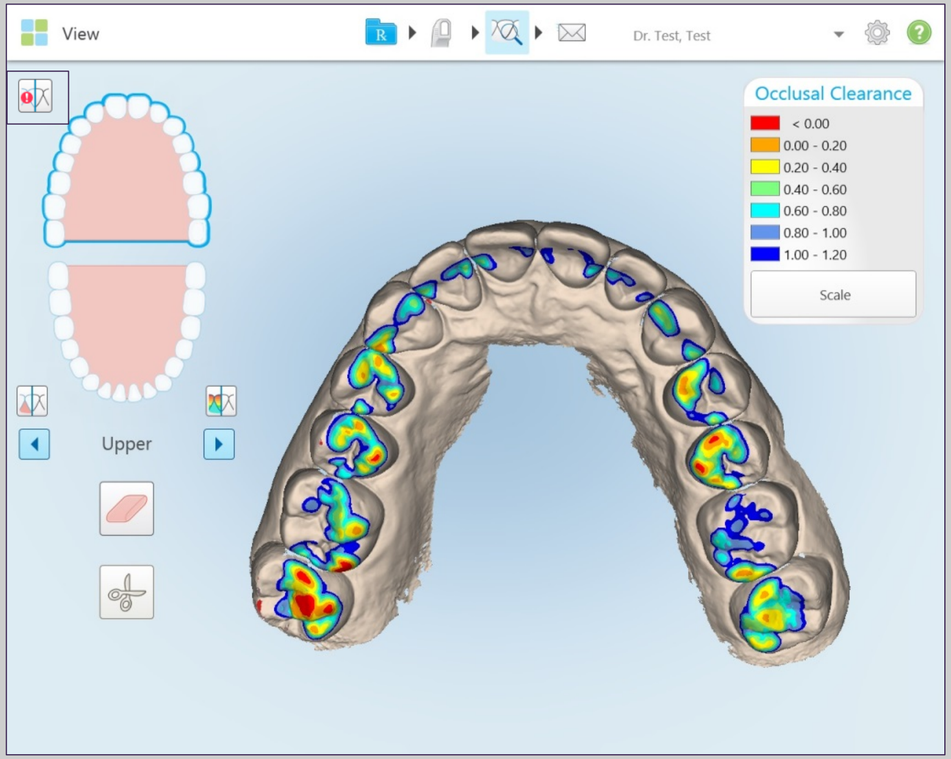
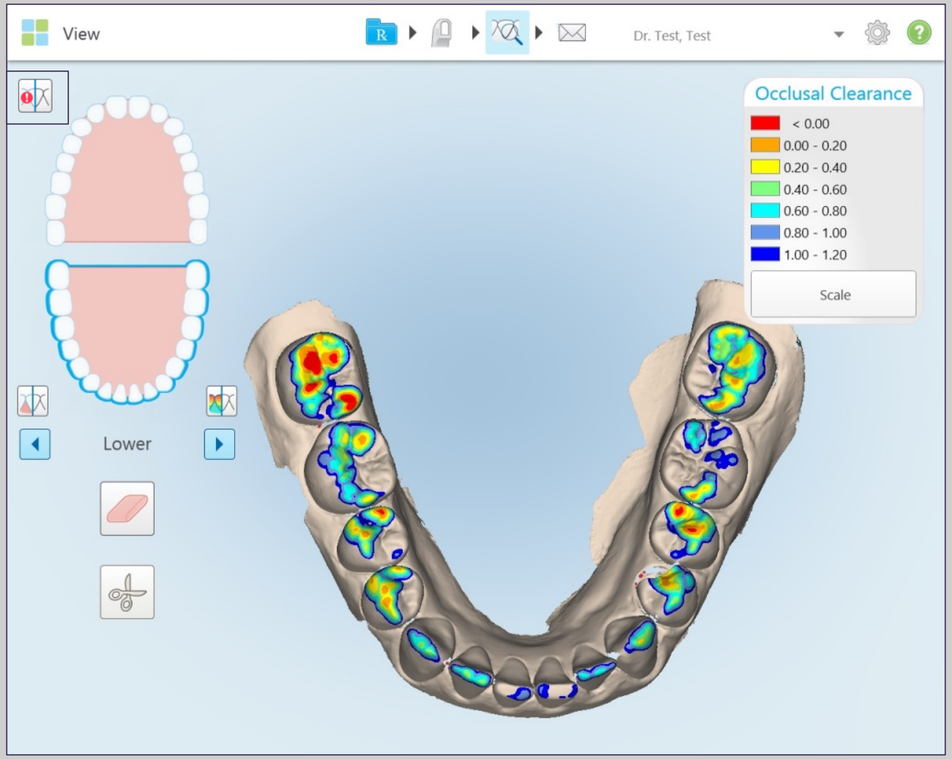
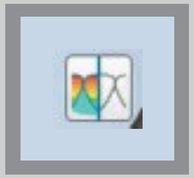
Evaluating Digital Model / Occlusal Analysis







Utilize the Occlusal Clearance legend to determine the distance between opposing teeth.

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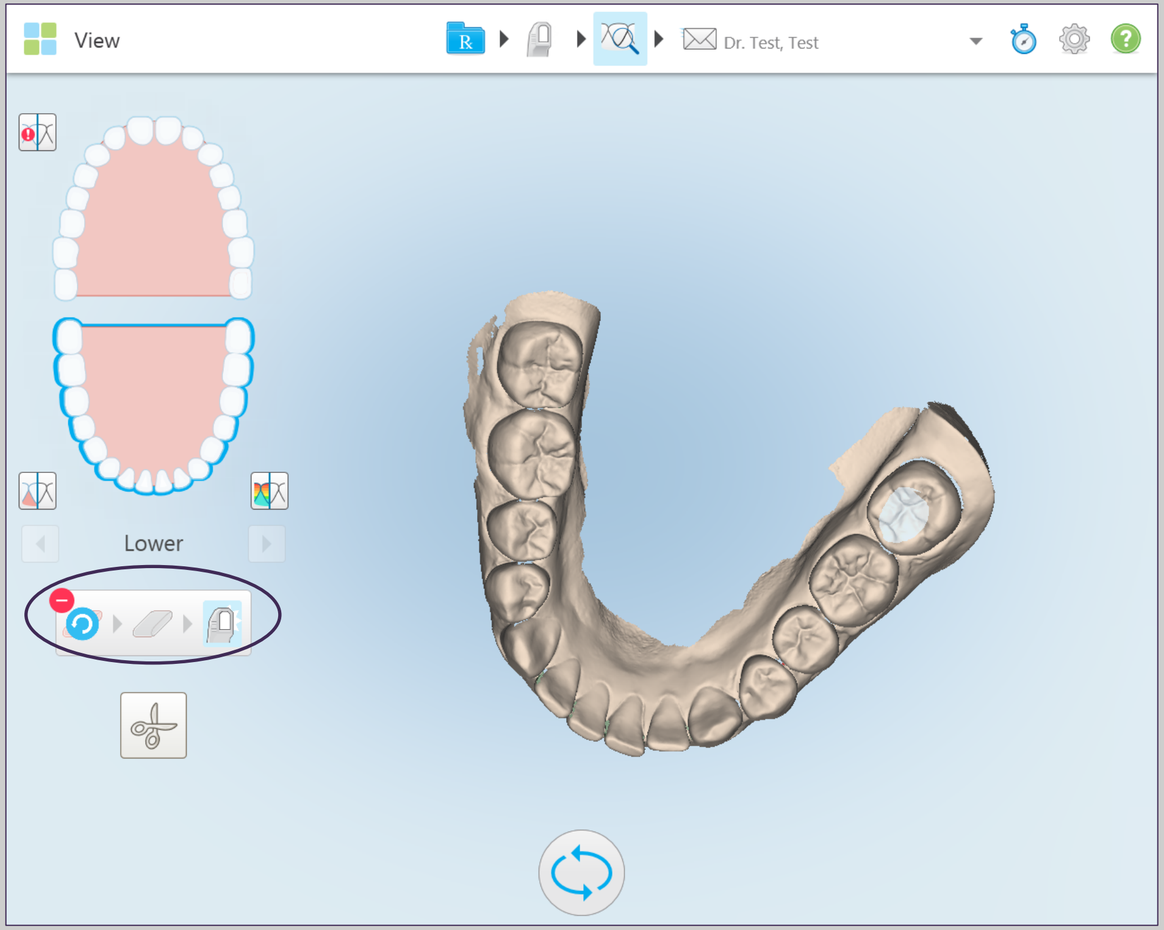
Using Eraser Tool



1. Tap on the eraser icon
2. Select the area to erase on the screen
3. Tap on the scanner sleeve icon
4. Scan to fill area erased
5. Tap on the view icon
6. Confirm correction

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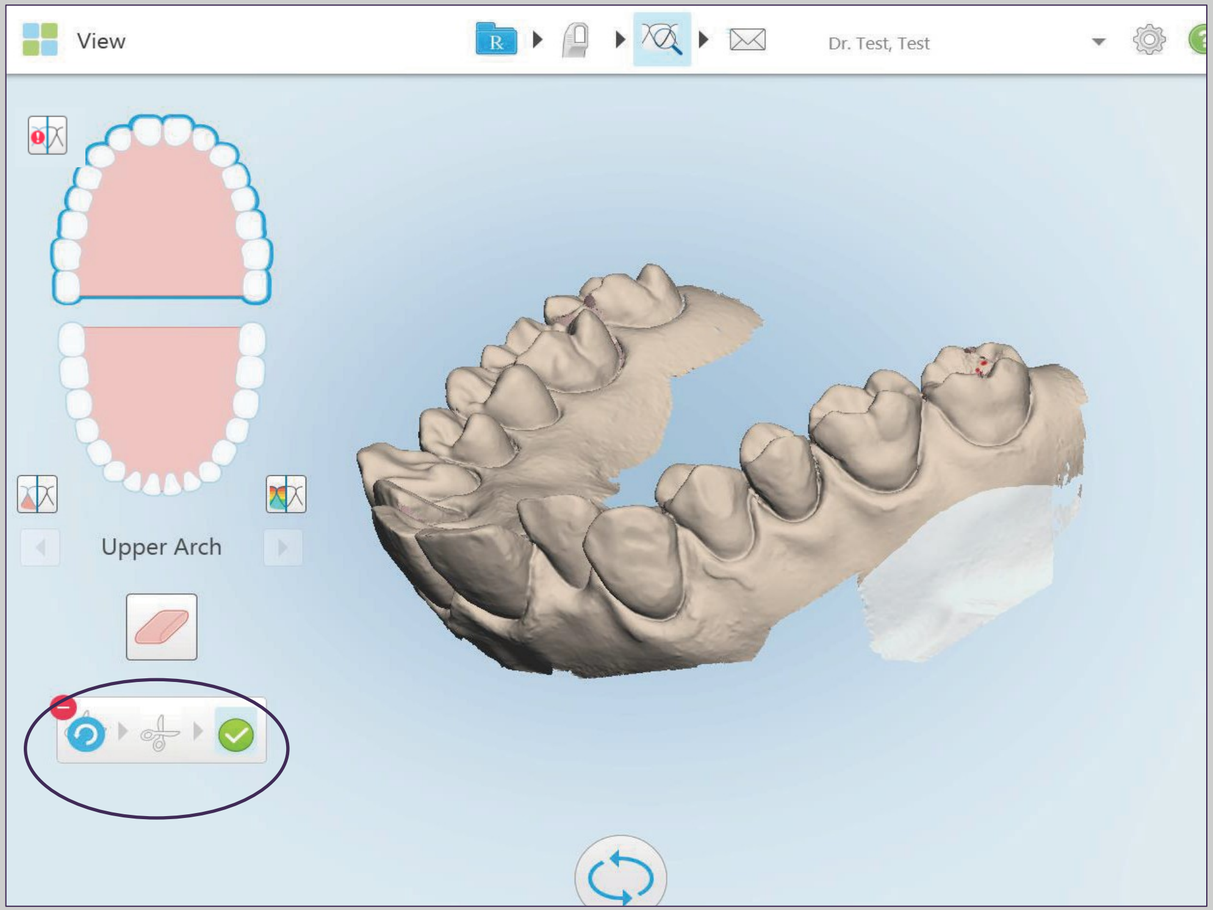
Using Trim Tool



Use the Edge Trim tool if there is excessive cheek or lip artifacts that should be removed from the scan

1. **Tap on the scissors icon**
2. **Circle the area to remove**
3. **Verify the selected area**
4. **Tap on the green check mark**
5. **Tap on the view button to confirm area has been trimmed as chosen**

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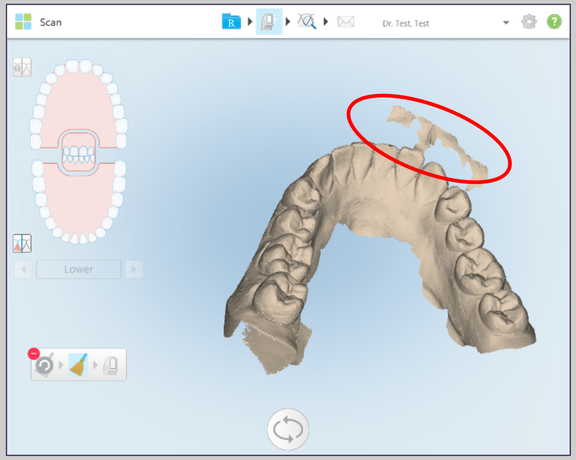
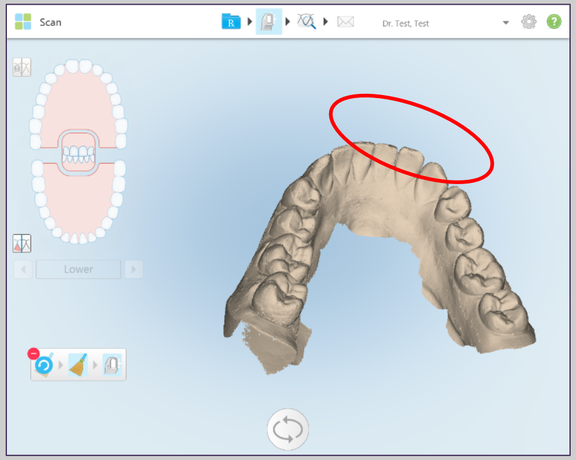
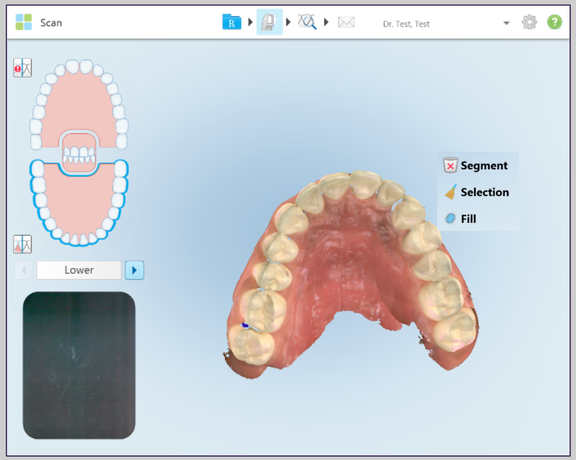
Tools – Deleting a Scan

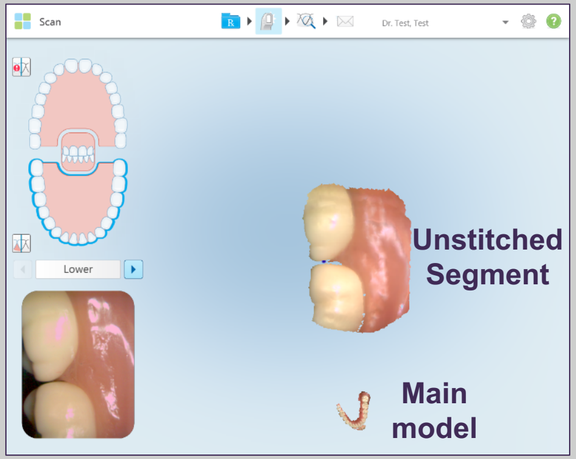




Remove an artifact (soft tissue)



Wrong jaw scanned



Tooth anatomy not stitching

Available in scan mode

1. Tap on the arch to be deleted
2. Press and hold on the model
3. Tap on the waste pail segment or broom icon
4. Confirm deletion
5. Rescan area

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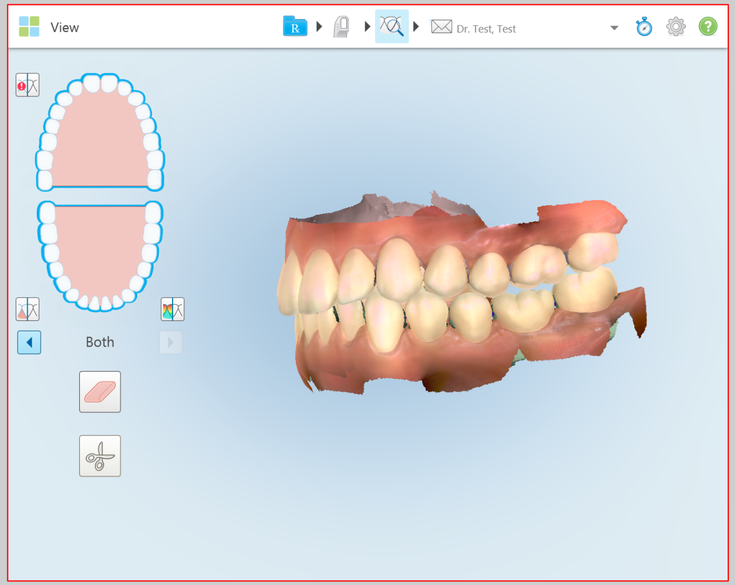
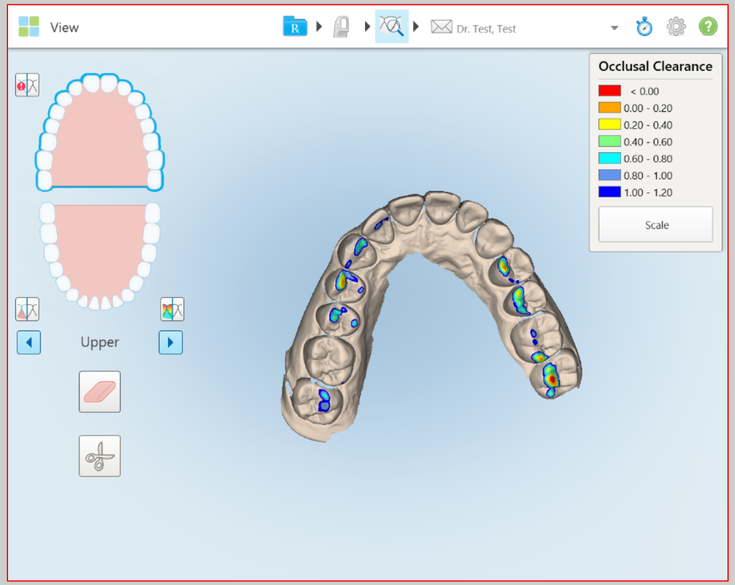
Tools – Deleting a Scan and Correcting the Bite

Clinical Scenario

The patient is able to close on maximum intercuspation and produce solid contacts on articulating paper. During scanning, the patient was not able to bite properly.



Incorrect bite registration



Occlusogram display
Poor contacts

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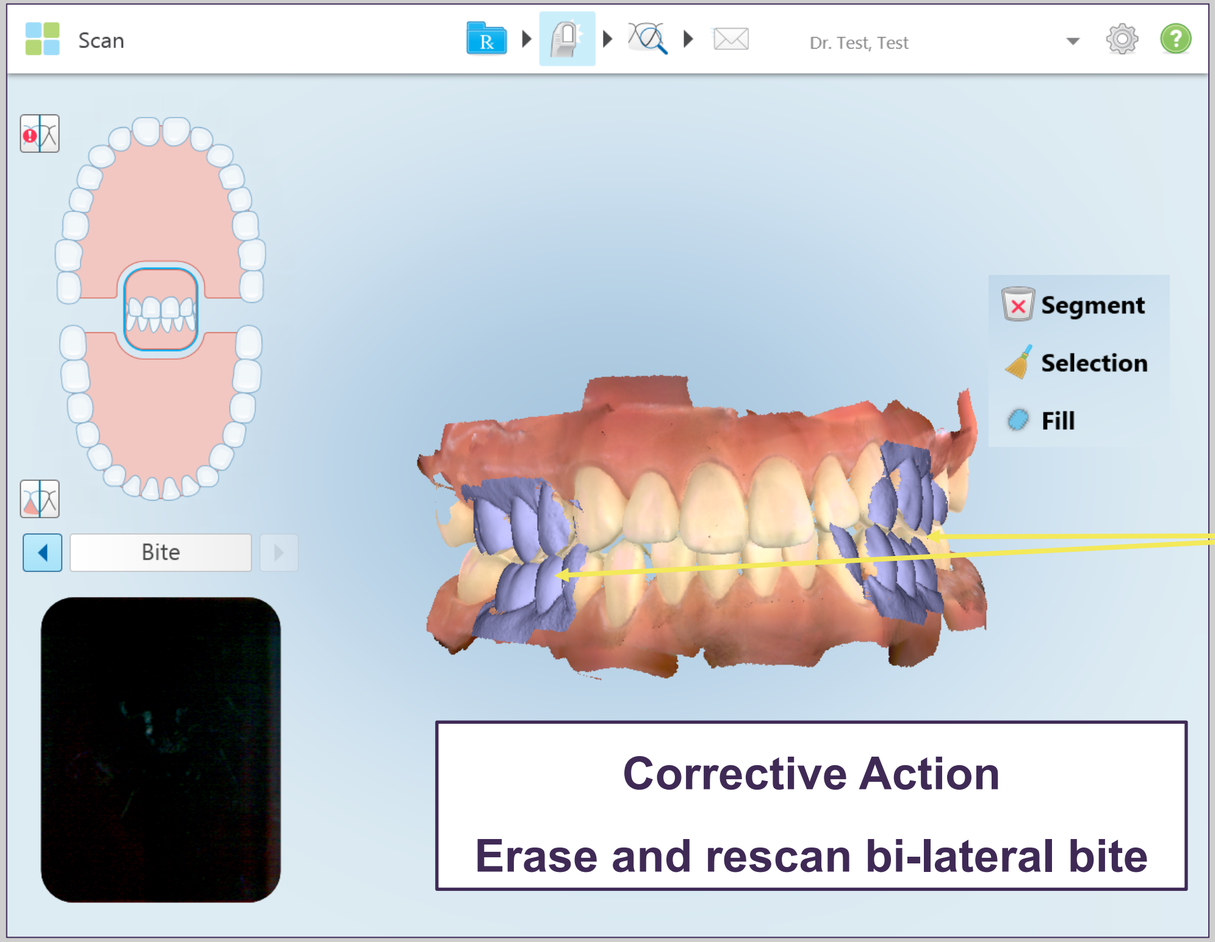
Tools – Deleting a Scan and Correcting the Bite



Tap on both bite segments to delete

Rescan

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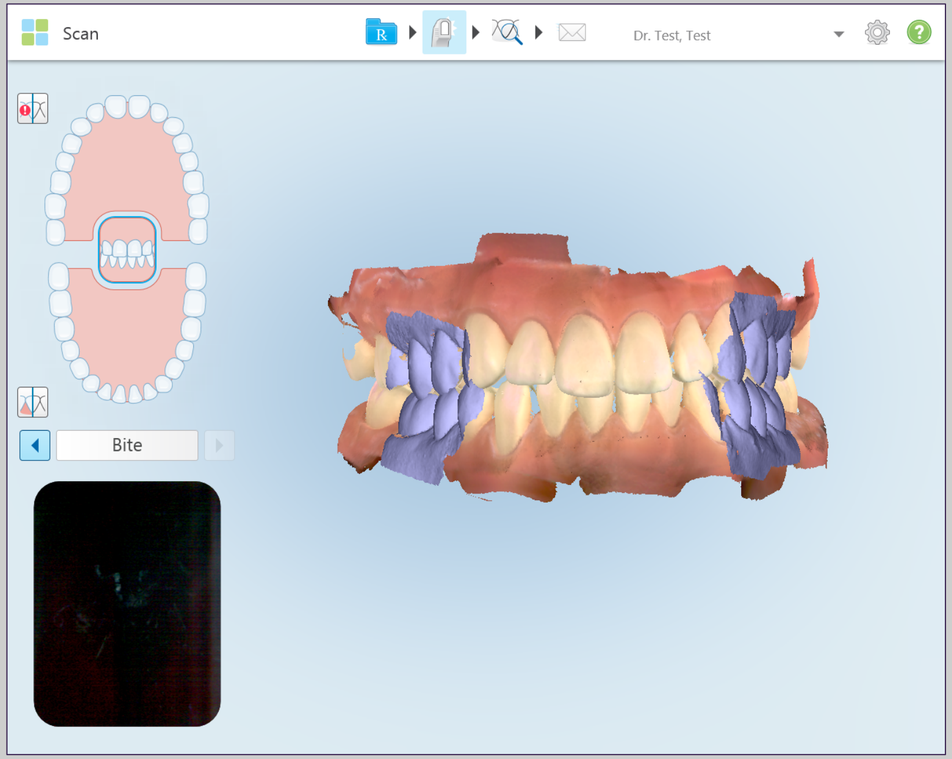
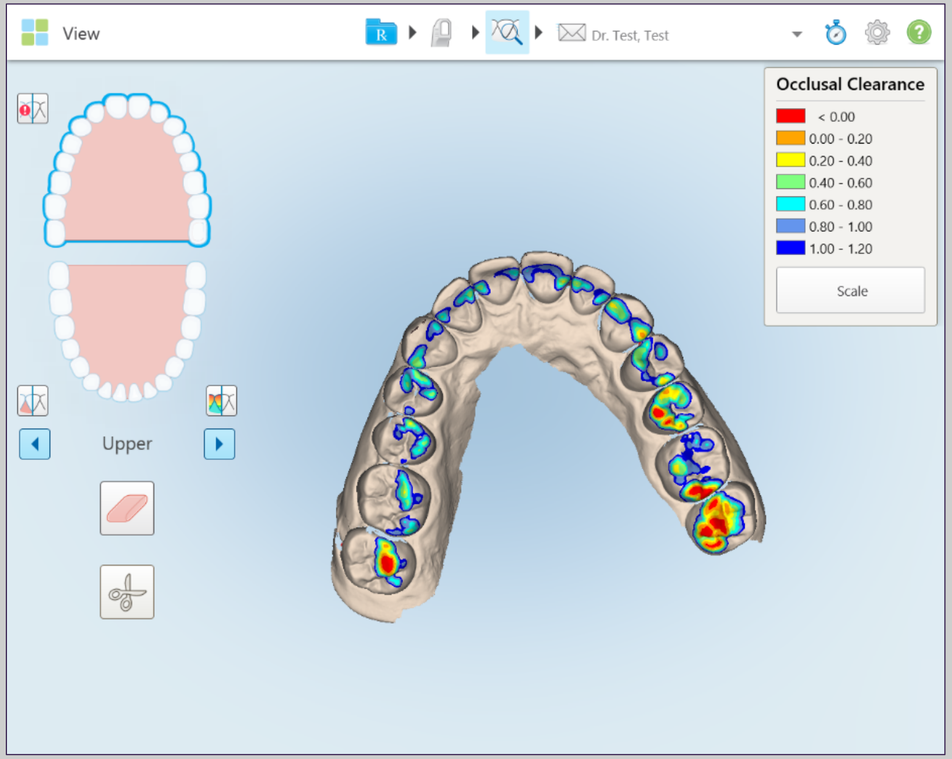
Tools – Deleting a Scan and Correcting the Bite



Verify new bite registration



Occlusogram display
Adequate contacts

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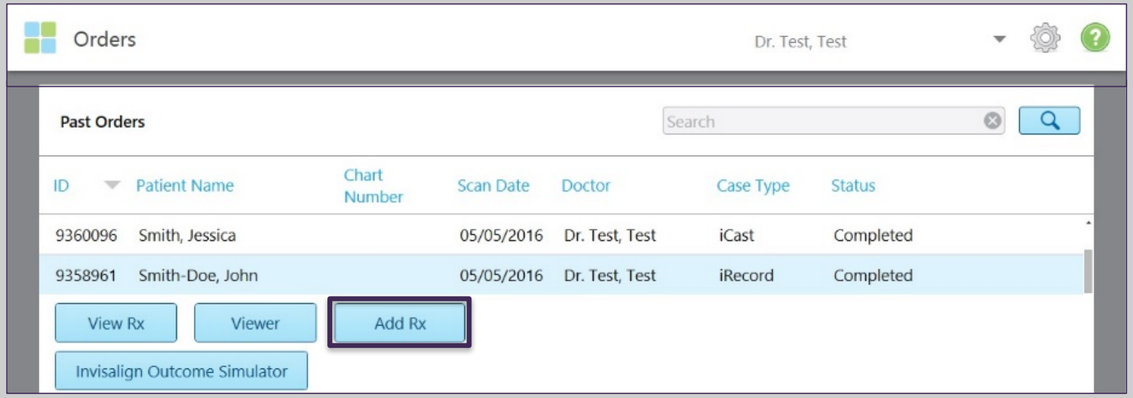
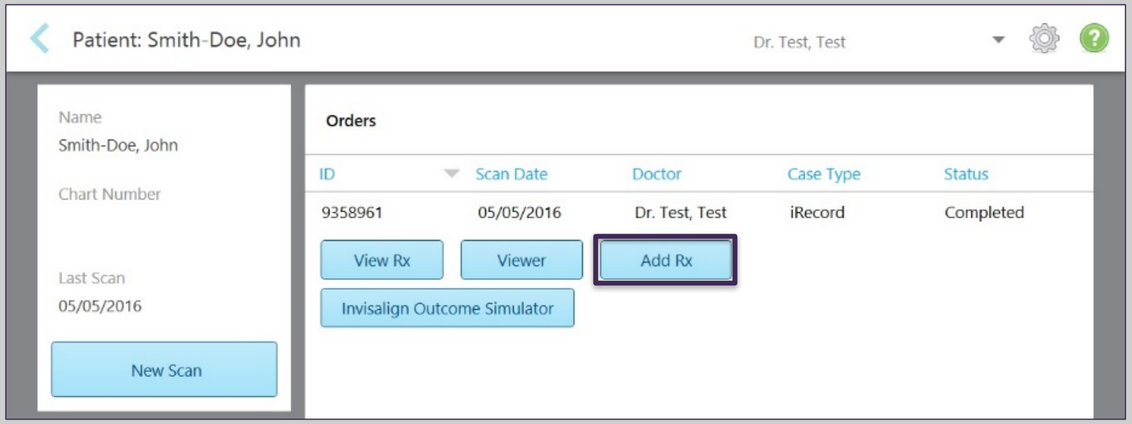
Add Rx To An Existing Sent Scan – Allow Additional Workflows





Conditions for the Add Rx to be enabled:

- Accessible from Orders and Patient's icons
- For cases except restorative and chair side milling
- Enabled up to 21 days from the case's scanning date
- The model has to be located on the scanner's base unit

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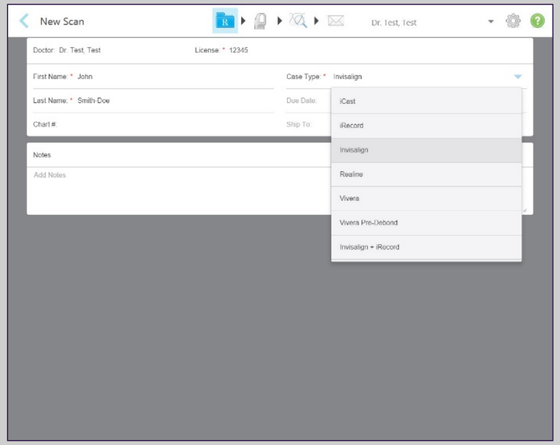
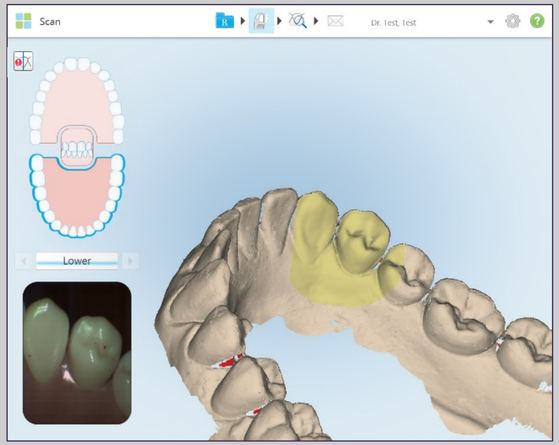
Add Rx To An Existing Sent Scan – Workflow

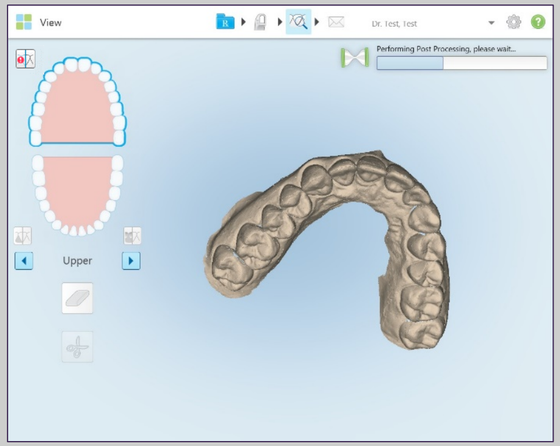
1. Select case type



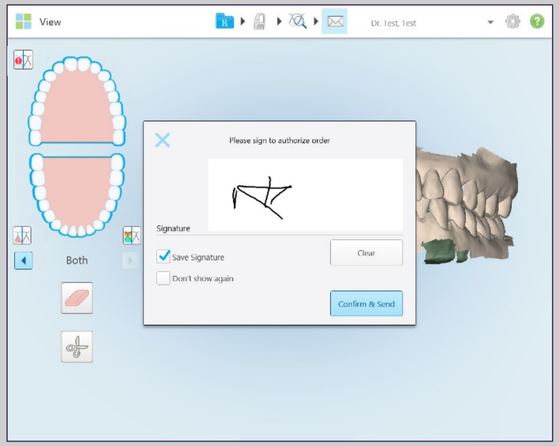
2. Add scans as needed



3. Tap on view tool



4. Send the case



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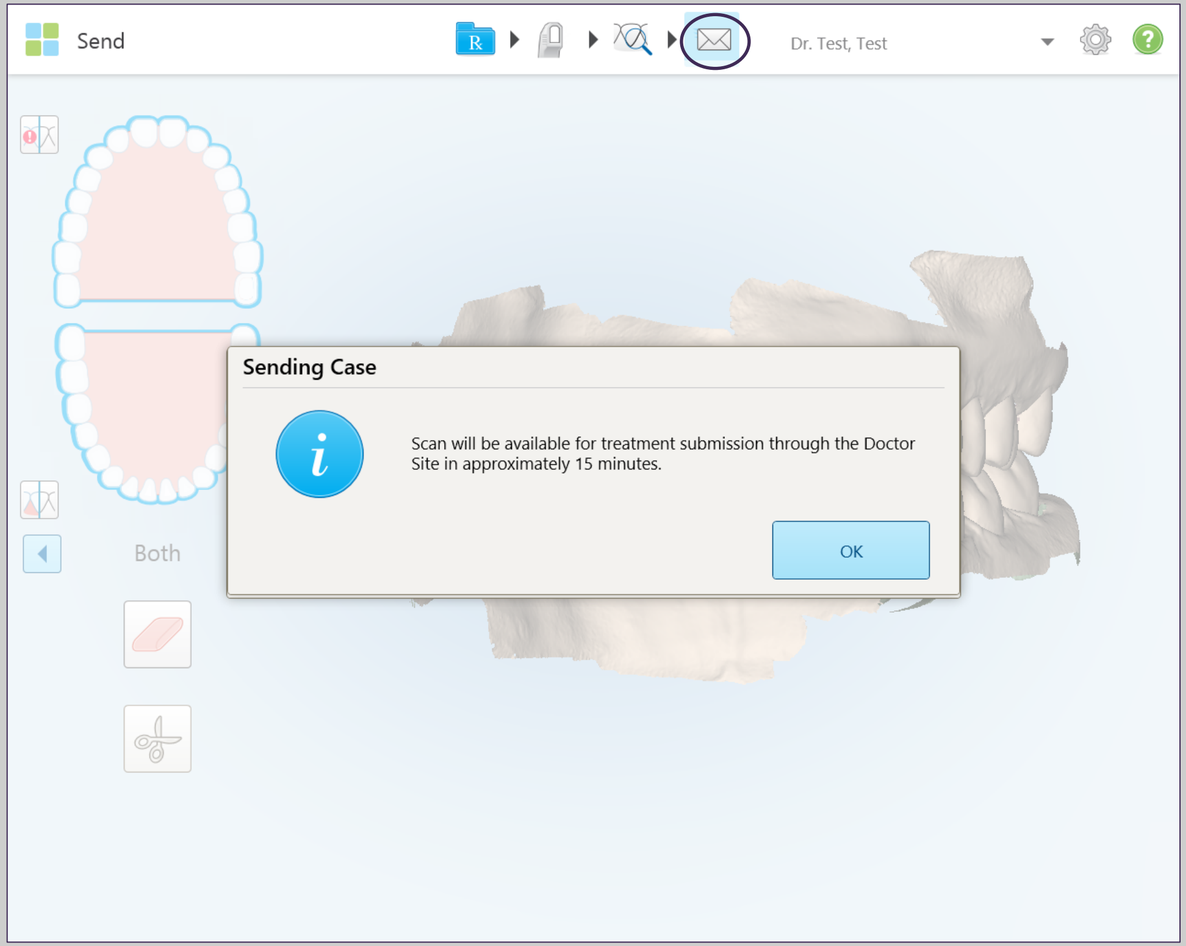
Submitting Case



To submit the case, simply tap on the envelope.

A prompt will appear stating that the scan will be available for treatment submission through the Invisalign Doctor Site in approximately 15 minutes. Select OK.

Next, click yes to launch the Invisalign Outcome Simulator.

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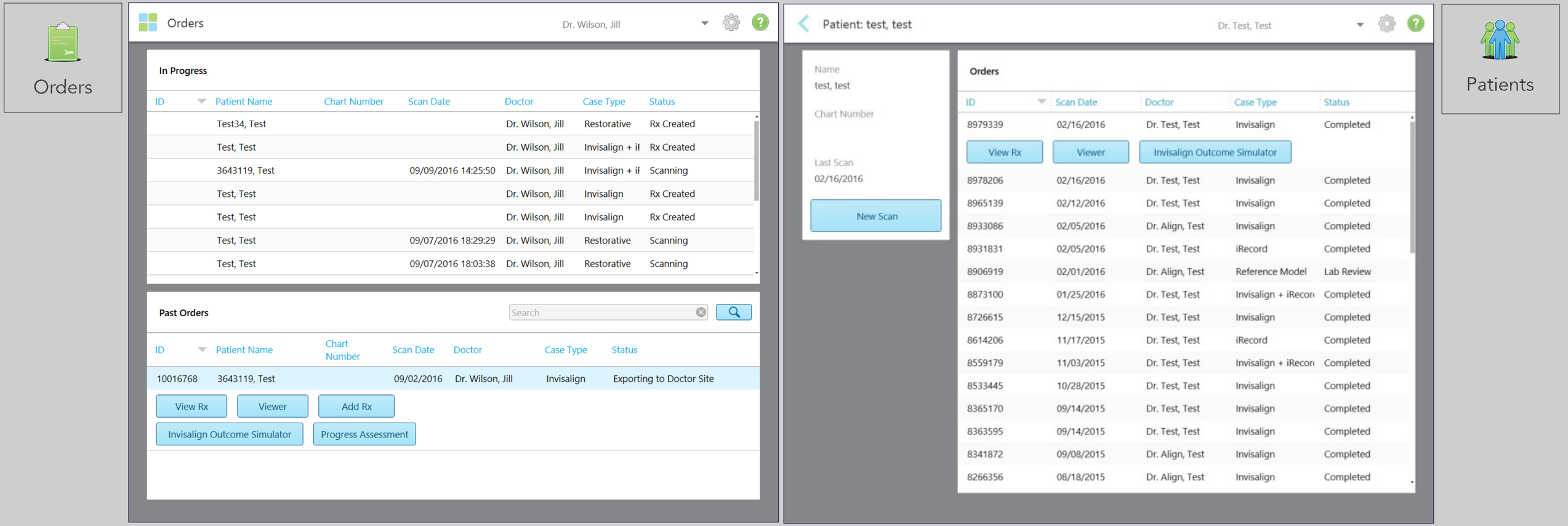
Viewer



Viewer is a tool that allows the scanner to manipulate and display the digital model for case presentations.

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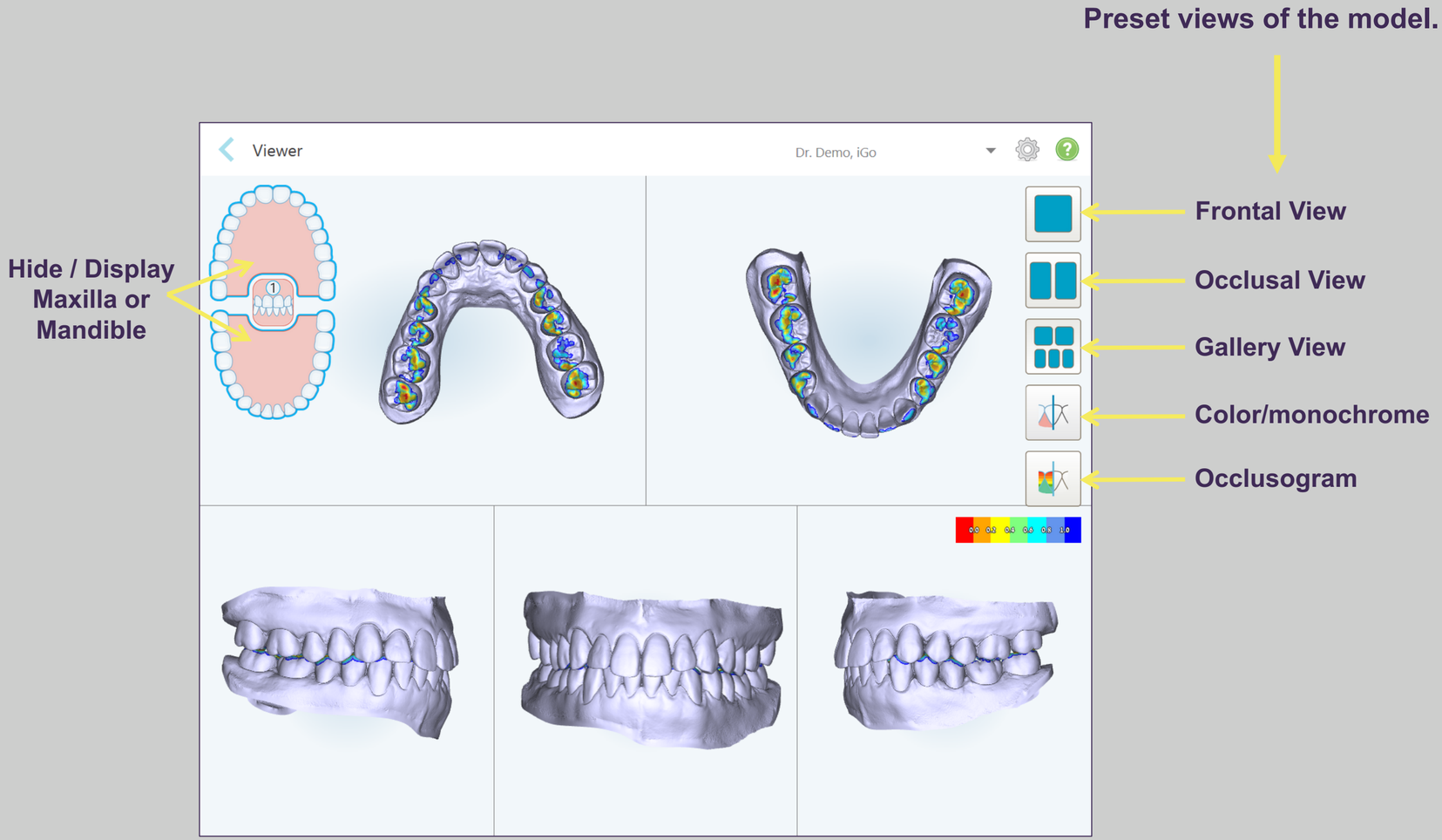
Viewer



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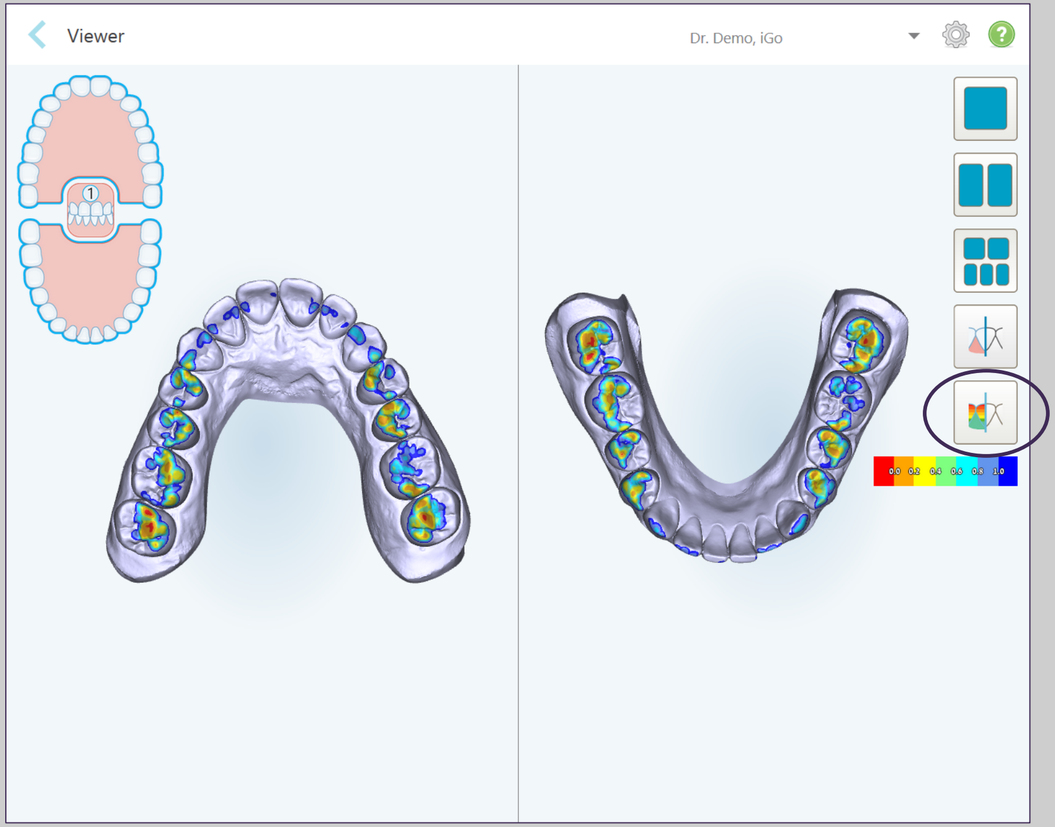
Viewer / Occlusogram



The Occlusogram tool can be shown in any view by tapping the Occlusogram icon.

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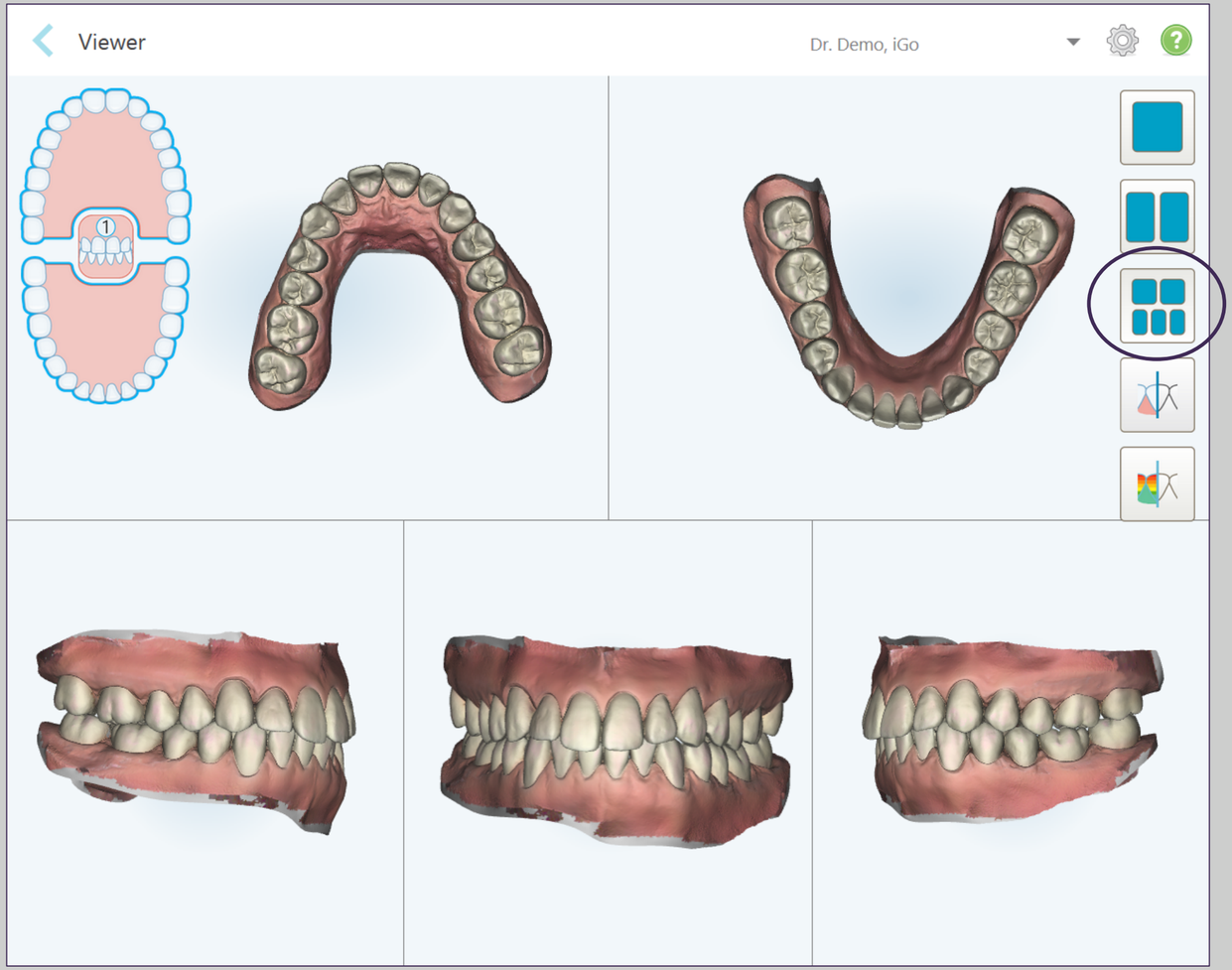
Viewer



In the Gallery View, the models in each window can be controlled separately for better evaluation.

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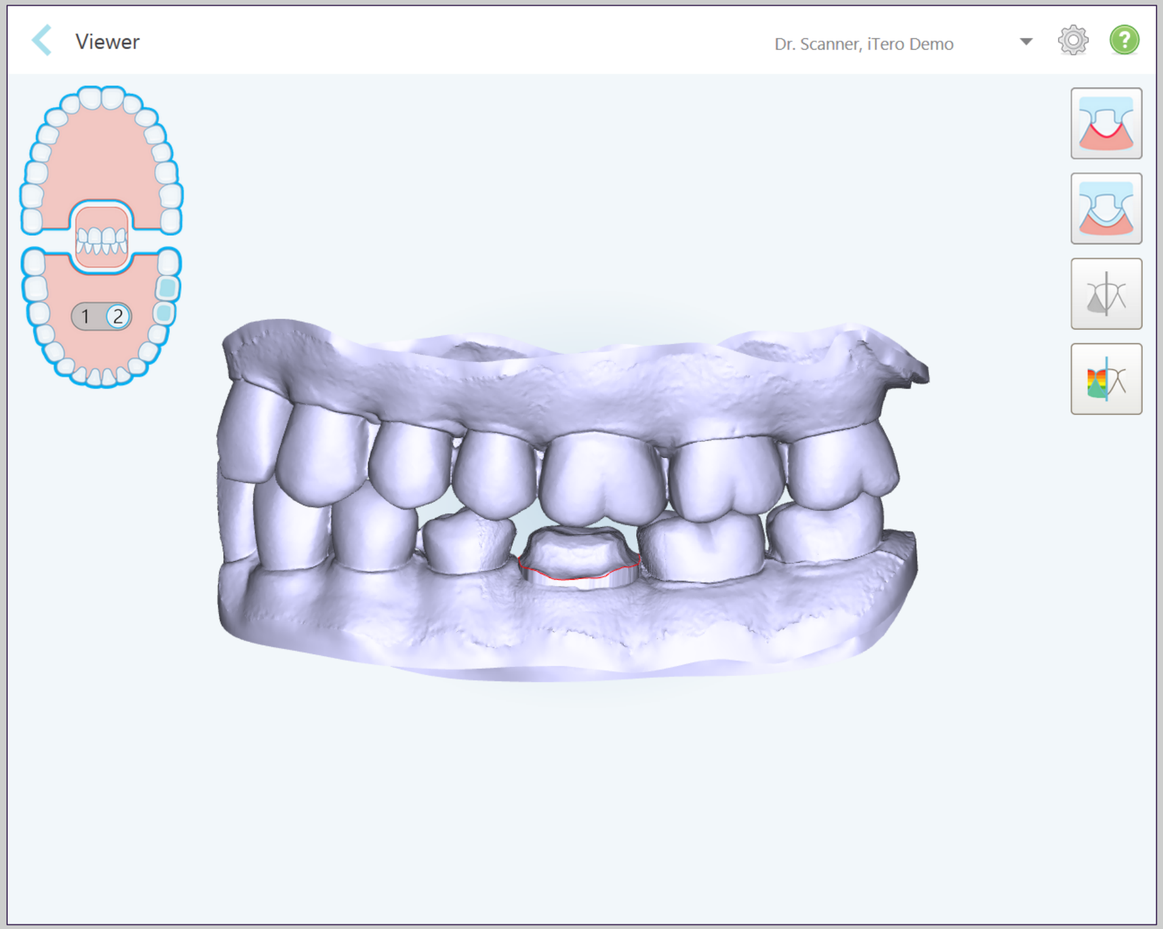
Viewer

When the case is in “iTero modeling” on the Orders tab, it’s in the early stages of modeling and there are no edits and the margin and die tools are gray (inactive).

When the modeling process is completed, the die and margin line has been edited and the changes will appear in color on the model and the icons are in color indicating that they are active.

The occlusal clearance is also visible on viewer for reference.



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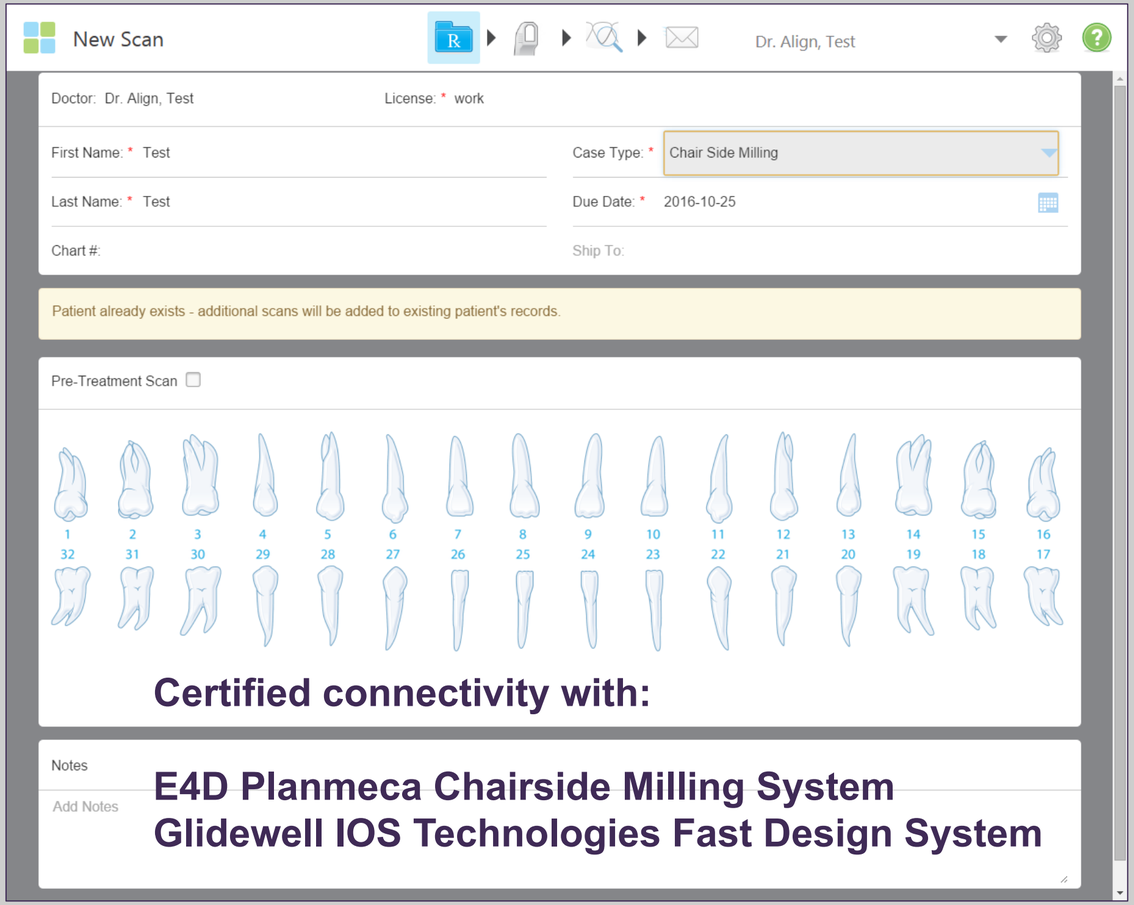
Chairside Milling – Certified Connectivity



- Dedicated Rx case type
- Ship to lab is disabled
- Scanning protocol is the same as restorative
- Contact your Chairside Milling provider for more information on the integration with the iTero Element Intraoral Scanner

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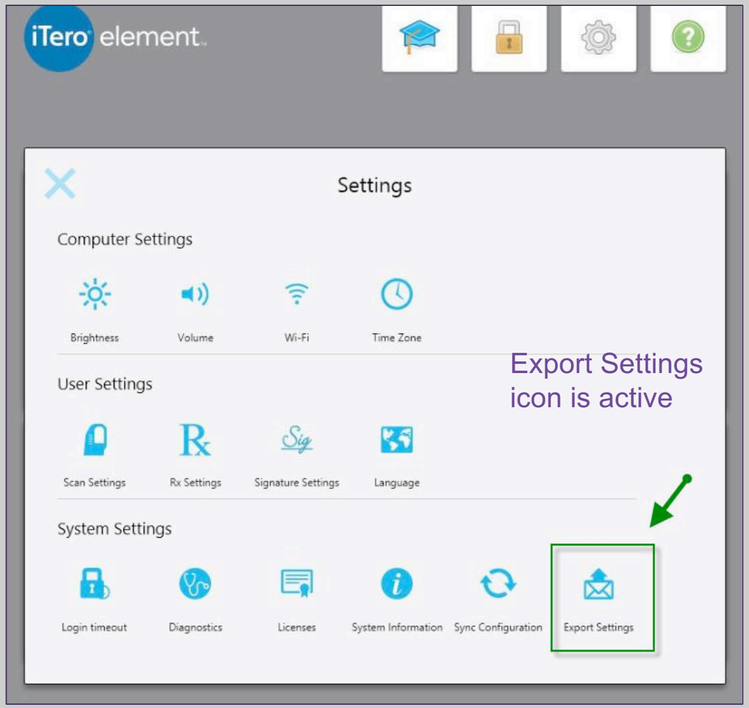
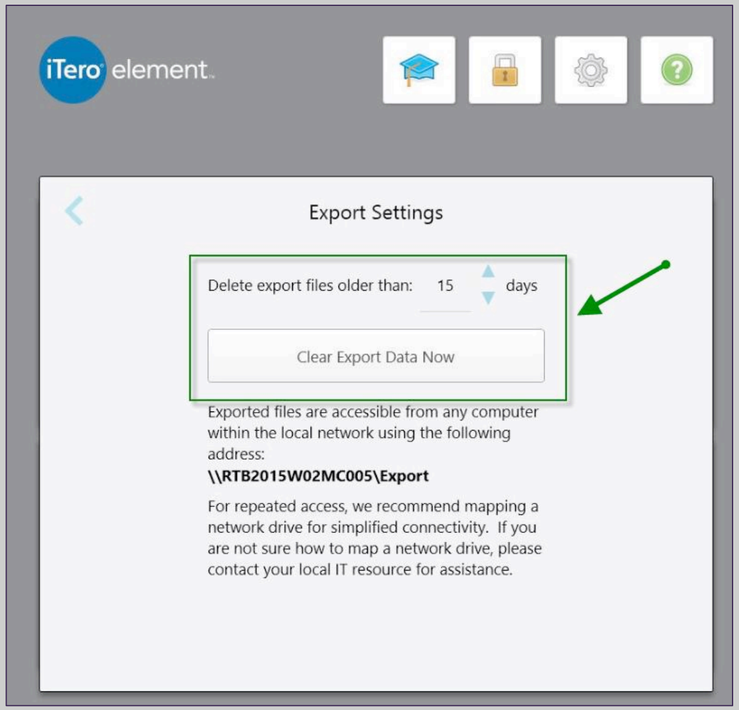
Chairside Milling – Export Settings

Configure your network to download the files on the chairside milling software.

Establishing connectivity between the milling unit and the scanner
Customize the export settings: on the scanner, select the saving options
Modify the number of days the file stays on the folder or manually delete all cases from the folder





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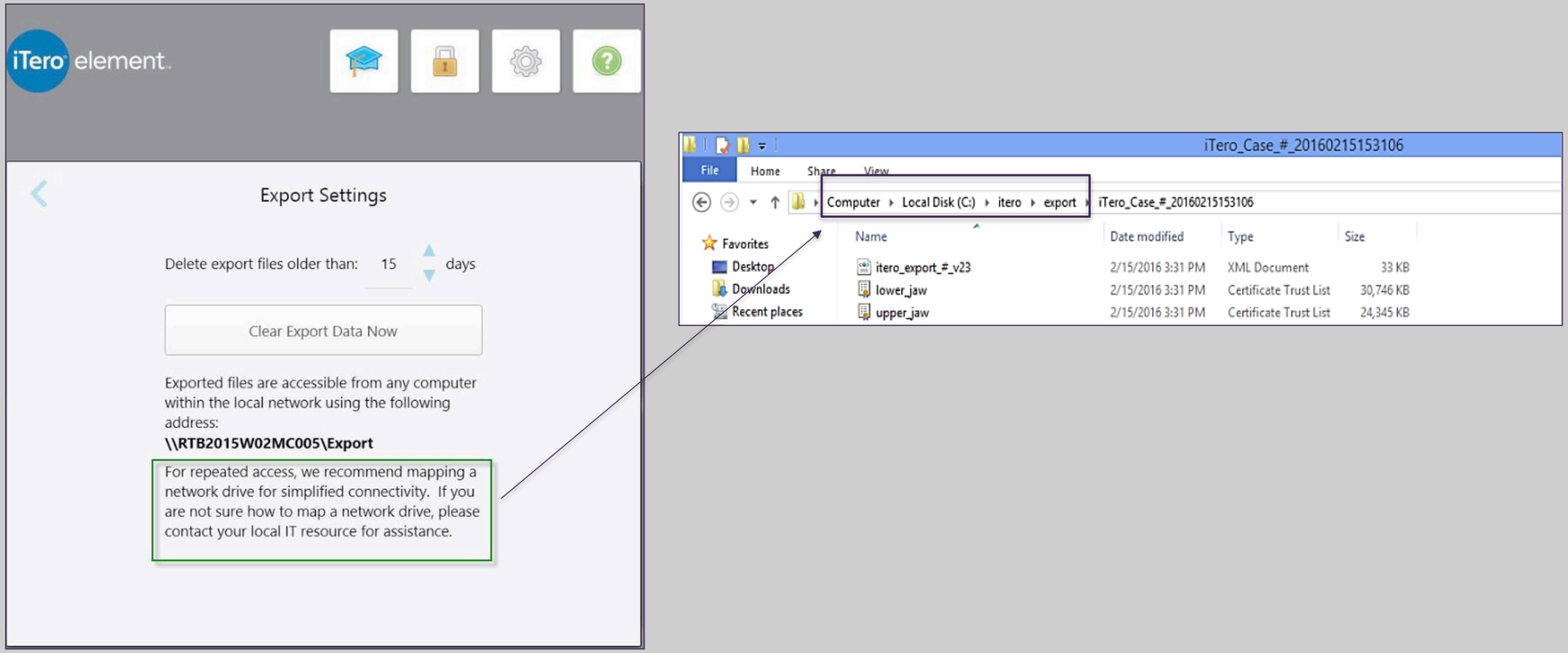
Chairside Milling – Default Folder Path



Files will be saved in a shared folder on the scanner, which are accessible from any computer or design workstation. Configure the mapping for the default folder path on your network server.

In case you need assistance, please contact iTero Customer Advocacy at 1 800 577 8767.

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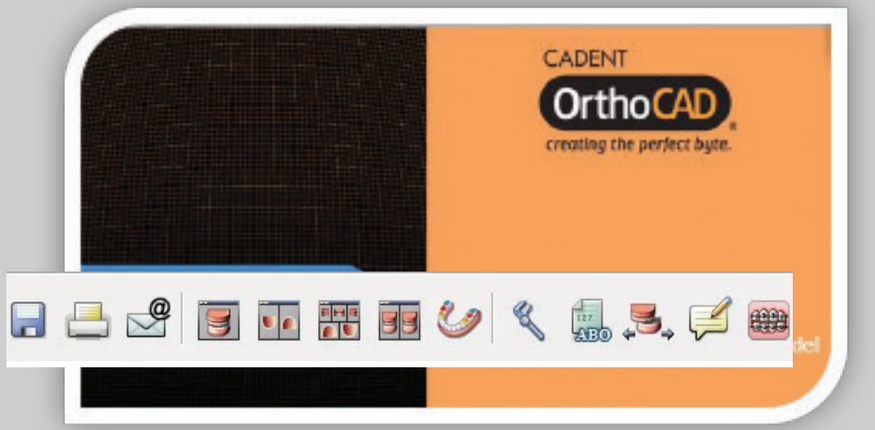
OrthoCAD



To export STL or view model, Install OrthoCAD on a workstation. Call iTero Customer Advocacy at 1 800 577 8767 for instructions.

The OrthoCAD software is the digital model viewer for all your orthodontic cases.

After you send the cases on your iTero Element scanner, it can be viewed, managed and analyzed with this powerful tool from any office computer or workstation

Some clinical applications for this software are:

a) **Communicate between dental offices - printing or emailing the 3D models**
b) **Perform diagnostic analysis of the 3D orthodontic models**
c) **Presenting cases to patients for discussion of the treatment plan**

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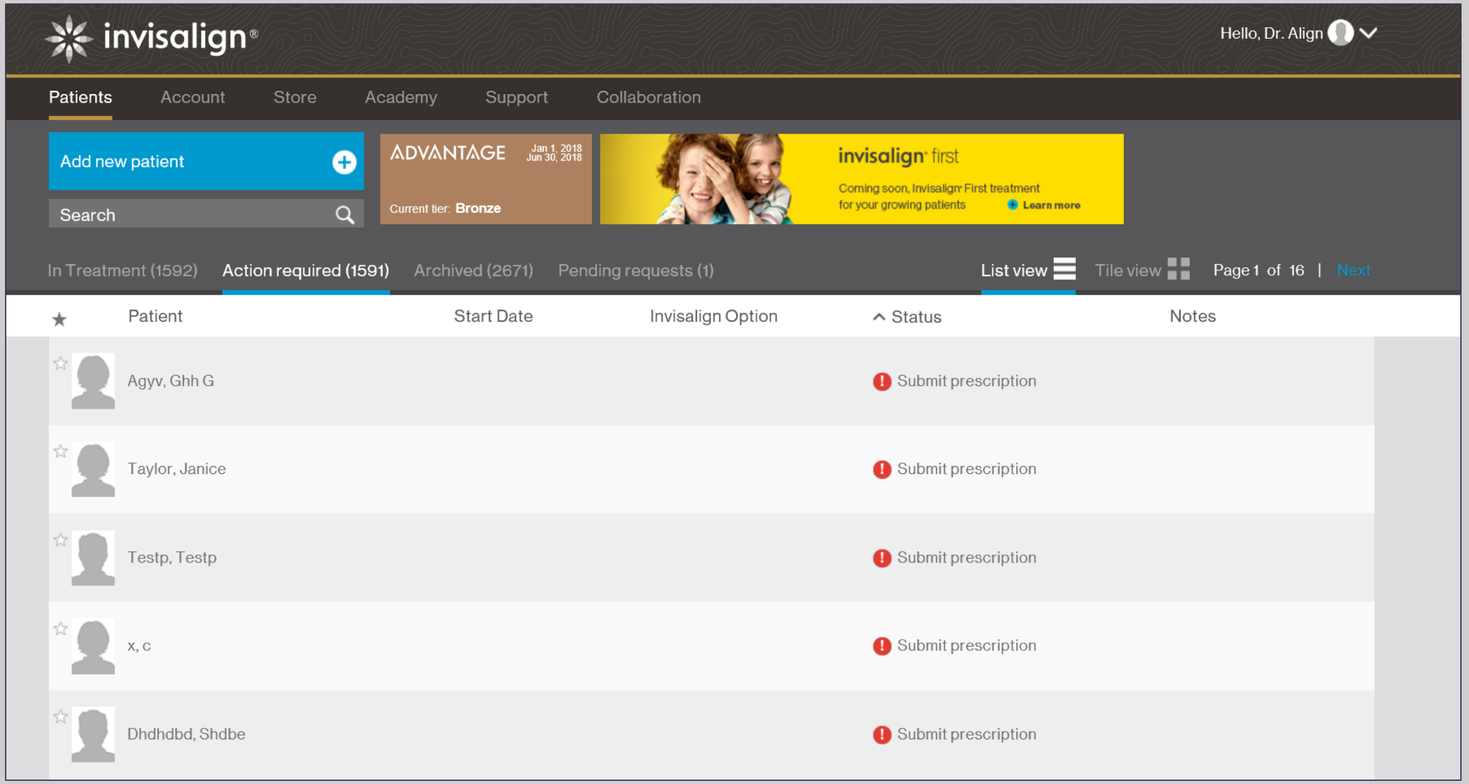
Invisalign Doctor Site

Log into the Invisalign Doctor Site (IDS) through the link on the MyAligntech website to access patient case files.

After sending a digital impression from the scanner, it may take up to 15 minutes for it to be available on the IDS site for submission.

The digital scan may be associated with a prescription in IDS prior to submitting the Invisalign order.



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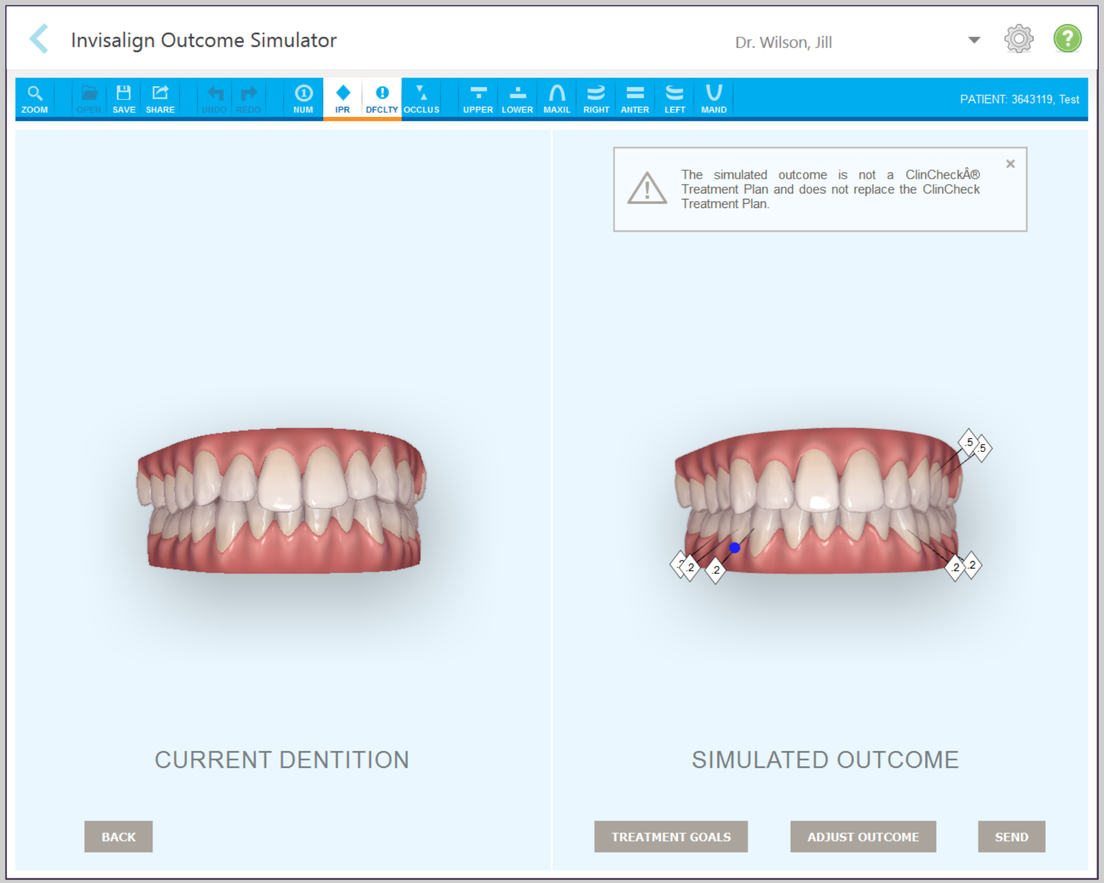
Invisalign Outcome Simulator



The Invisalign Outcome Simulator is a software tool that shows patients the simulated outcome of their Invisalign treatment.

To use the Invisalign Outcome Simulator,

- **Scan any Orthodontic case type**
- **Send the case**
- **Go to the Orders or Patients page to open the case with Invisalign Outcome Simulator**

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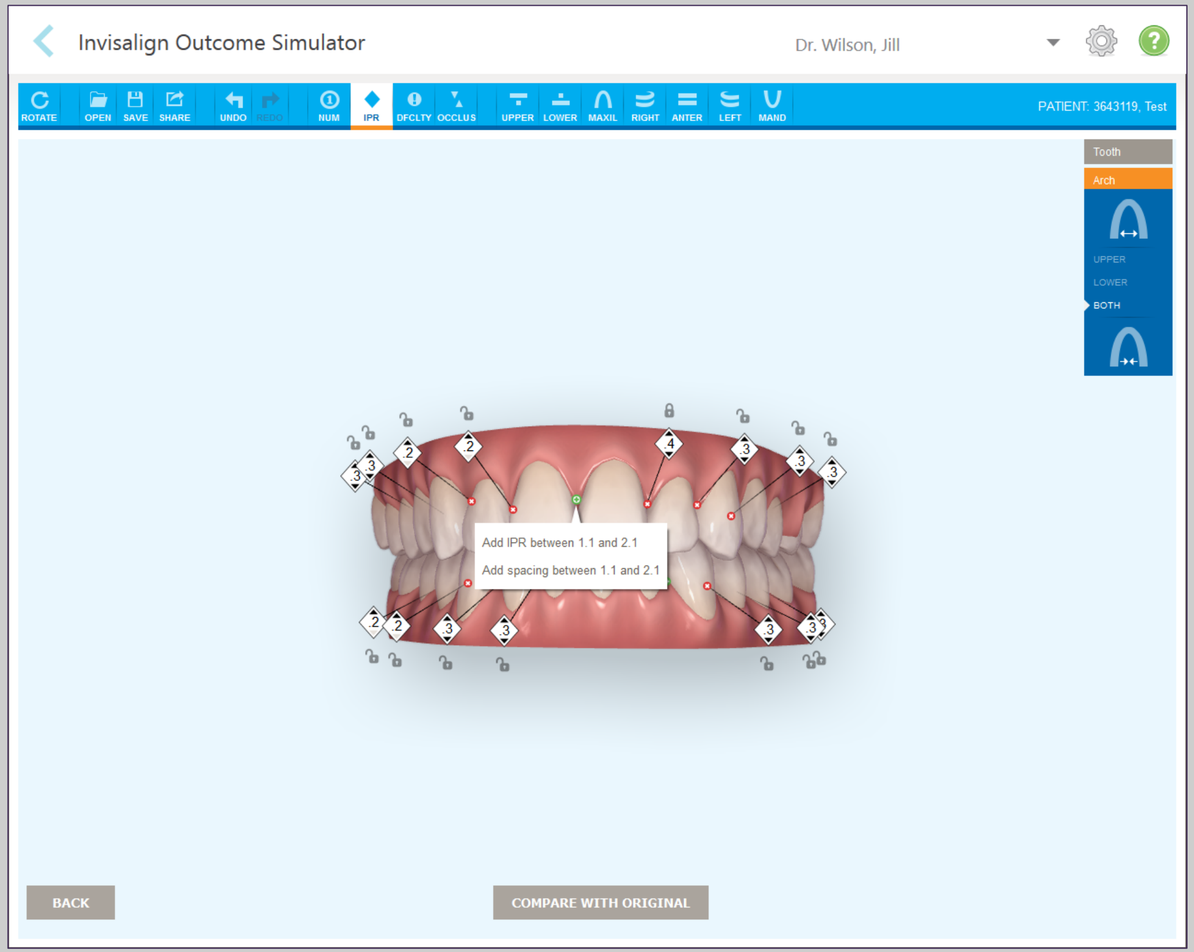
Invisalign Outcome Simulator



- The clinician can make real time adjustments to the simulated outcome as the clinician is showing the patient.
- This tool will provide additional information for the patient in their decision to accept treatment.
- The clinician will still be creating a ClinCheck treatment plan in the Invisalign Doctor Site and submitting the case for production.

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Invisalign Outcome Simulator - Simulate Outcome Workflow

Add / Delete / Correct Axis Lines

Treatment Goals:

- Extracted or unmovable teeth
- Allow IPR

Adjust Outcome

- Teeth
- Arches
- Inter-arch Collision Tool

Share with Patient

Send to Treat

Saving Simulation

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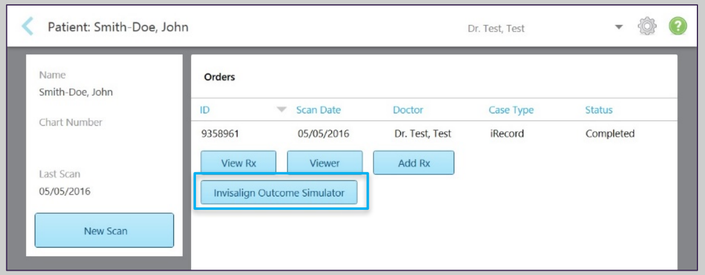
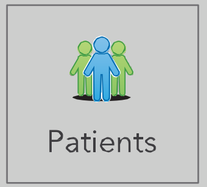
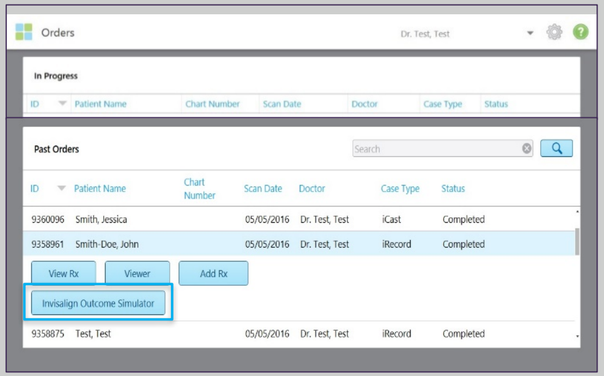
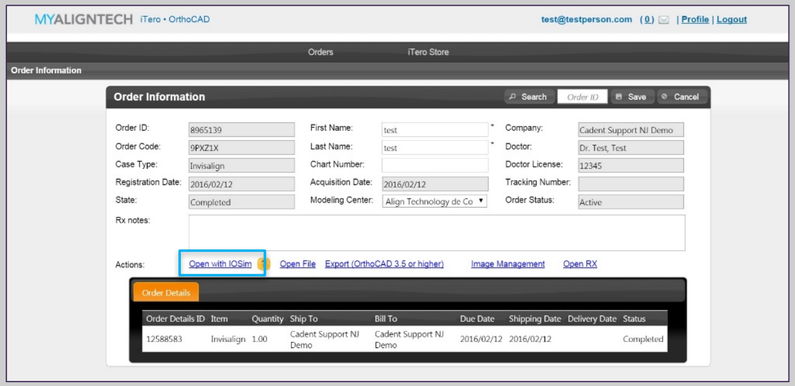
Invisalign Outcome Simulator





Access the Invisalign Outcome Simulator through these sites:





MYALIGNTECH

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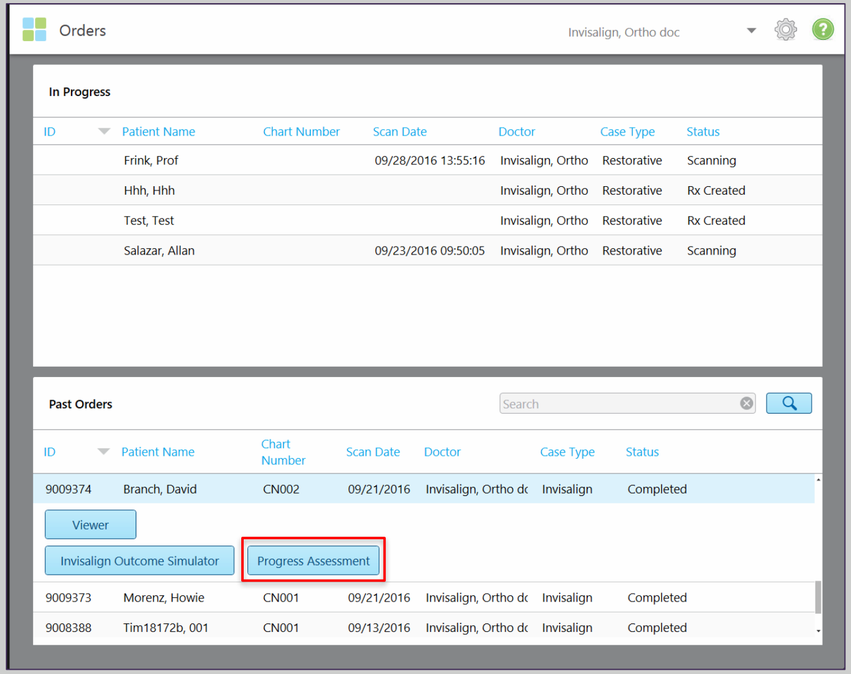
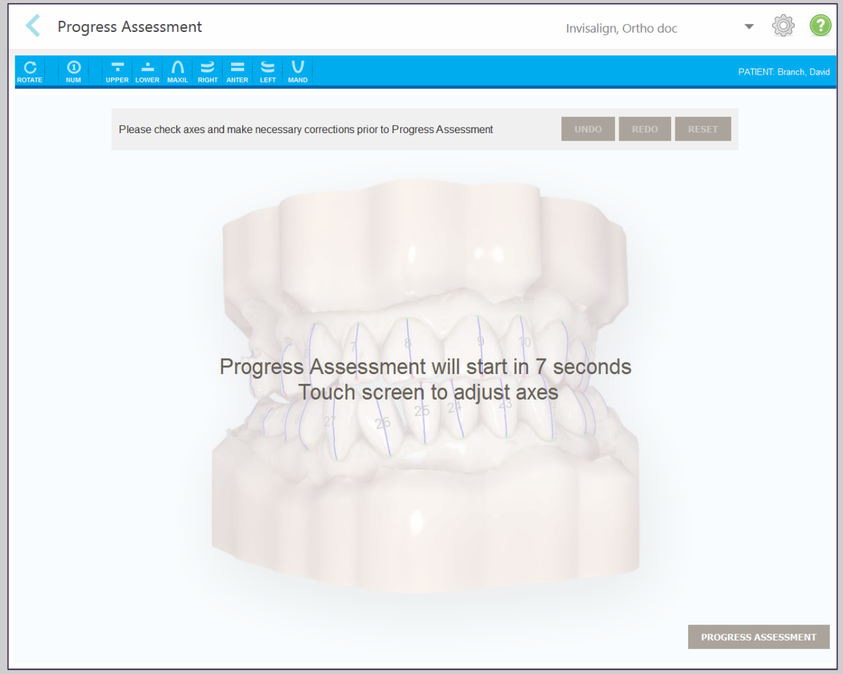
Progress Assessment

Open case from Orders or Patients



Correct Axis Lines (optional)



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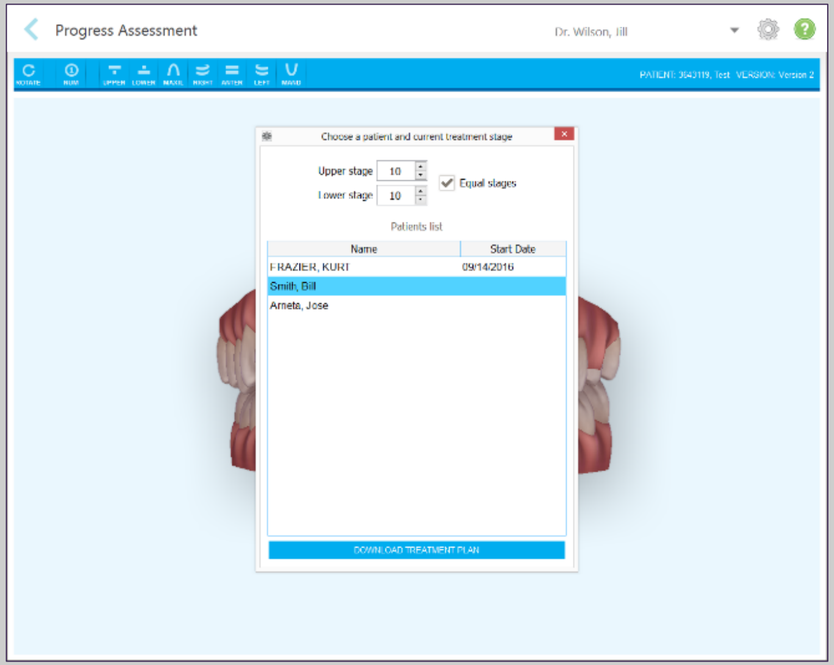
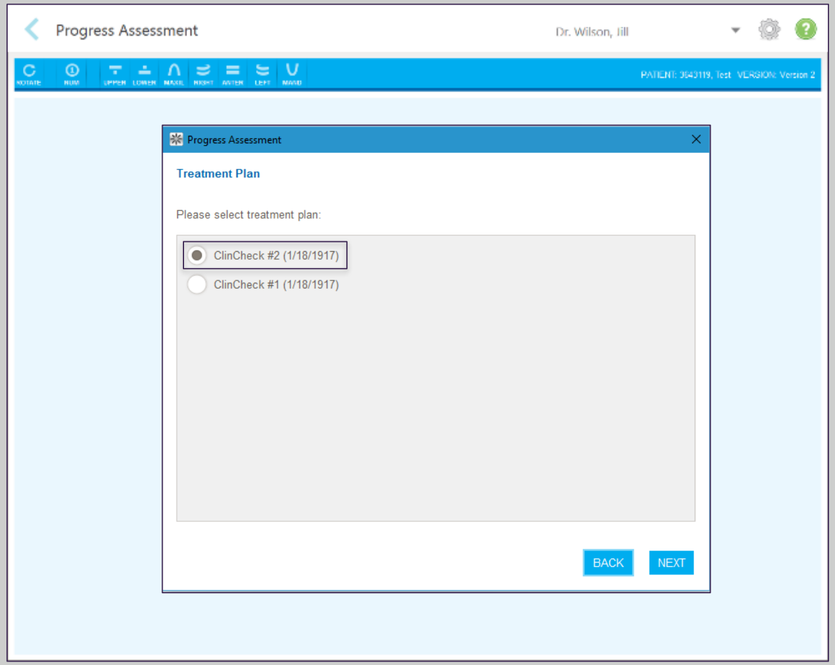
Progress Assessment

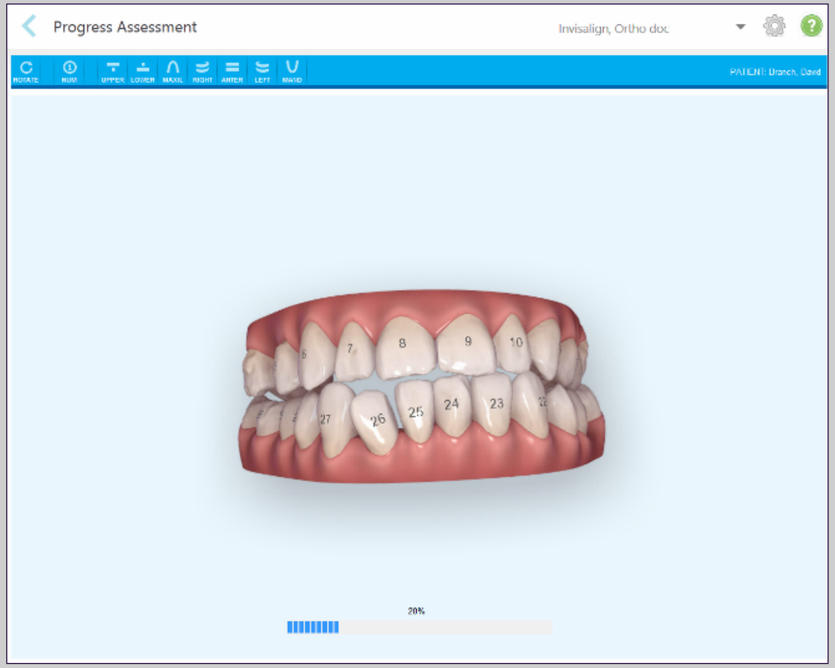
Access IDS Database



Select the ClinCheck



Analyzing progress assessment



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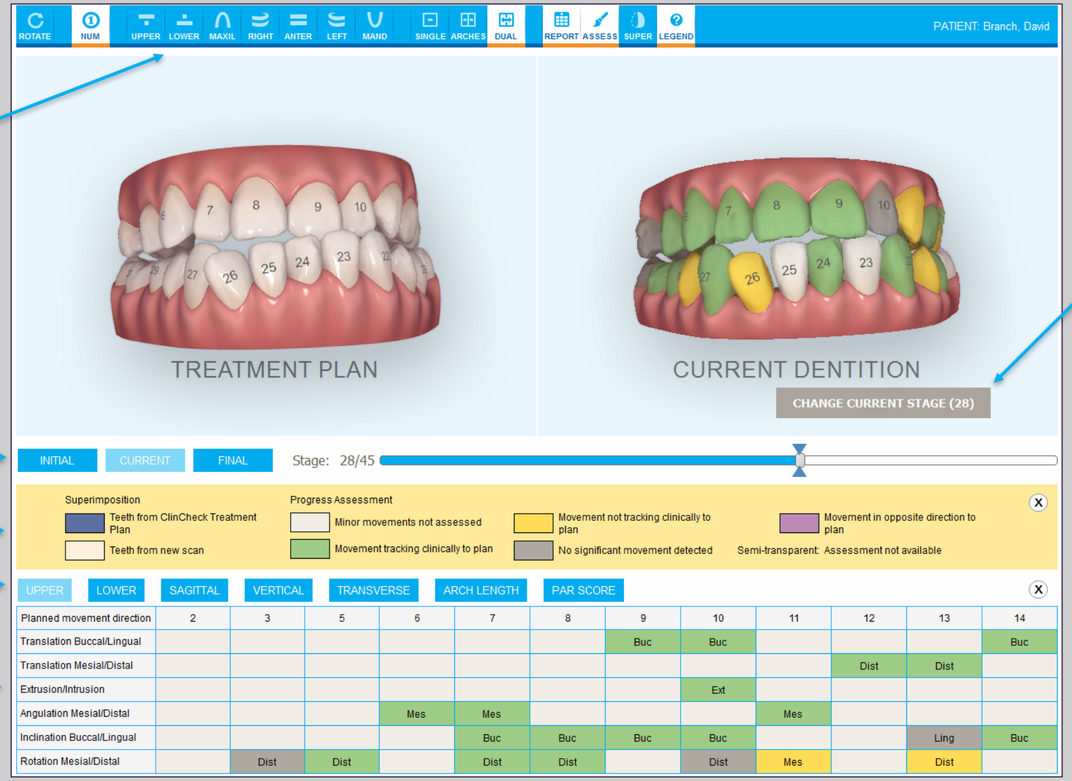
Progress Assessment



Assessment Tools

Stage Button

Stage Controls

Stage Slider

Legend

Page Buttons

Report Panel

The Progress Assessment tool includes a report that is a color-coded tooth movement table to assist the doctor in making treatment decisions to track the patient's progress to their ClinCheck treatment plan.

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Invisalign Go System

Invisalign Go is a clear aligner system innovatively designed by Align Technology uniquely for general dentists.

See treatment through to completion in as little as 14 weeks

Obtain a decision on patient's complexity and suitability for Invisalign Go treatment in just 90 seconds

Receive guidance and support from start to finish through Case Assessment and treatment planning and Progress Assessment

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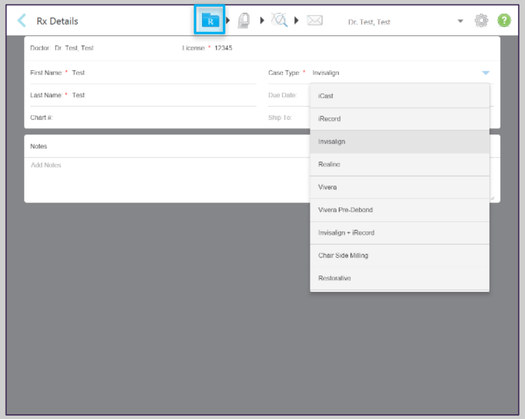
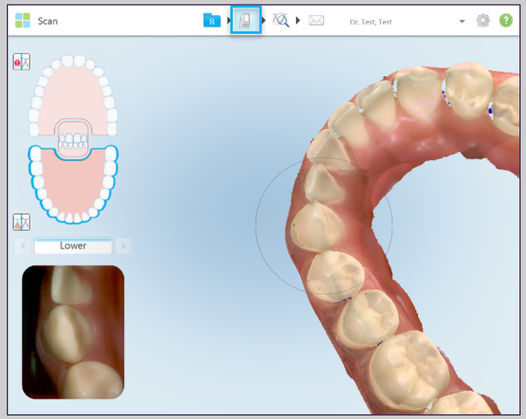
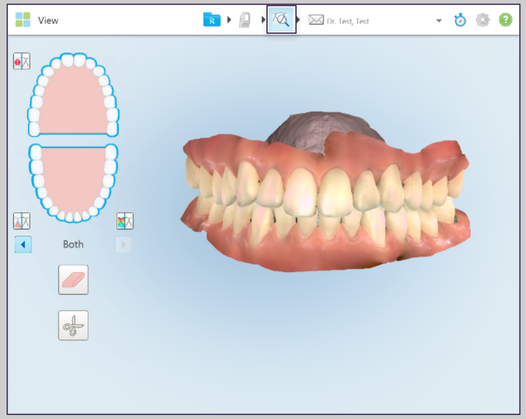
Invisalign Go System – Case Submission



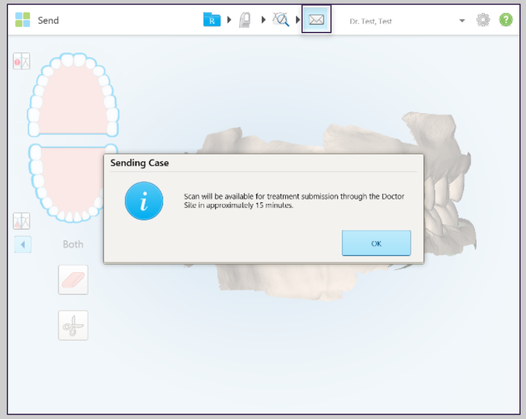
1. Complete the patient Rx. Choose Invisalign case type



2. Scan both arches and bilateral bite



3. Confirm capture of the required anatomy in view mode



4. Send Invisalign scan

Steps for Invisalign Go case submission

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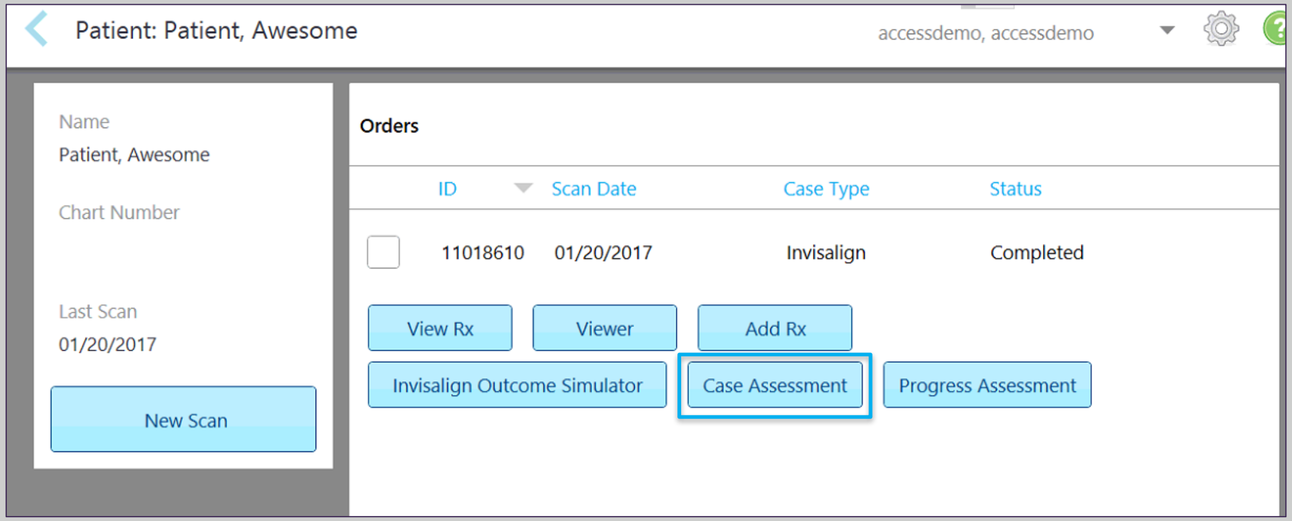
Invisalign Go System – Case Assessment



The Invisalign Go case assessment feature delivers a detailed analysis, based on the patient's chief complaint, of whether the case is appropriate for Invisalign Go therapy. If the analysis determines that the chief complaint cannot be treated with the Invisalign Go product the case assessment report will recommend that the case be referred for full Invisalign consultation.

To access the Case Assessment, first scan the patient and send the case.

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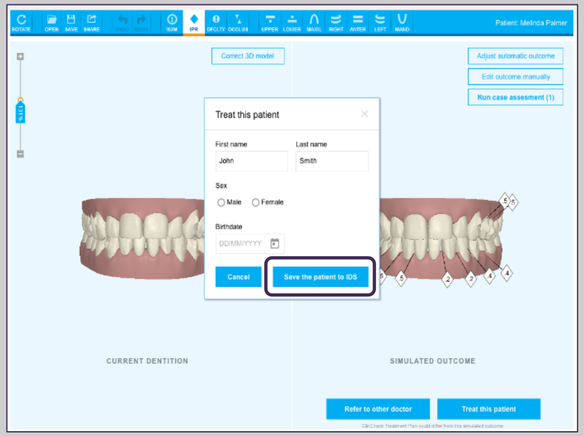
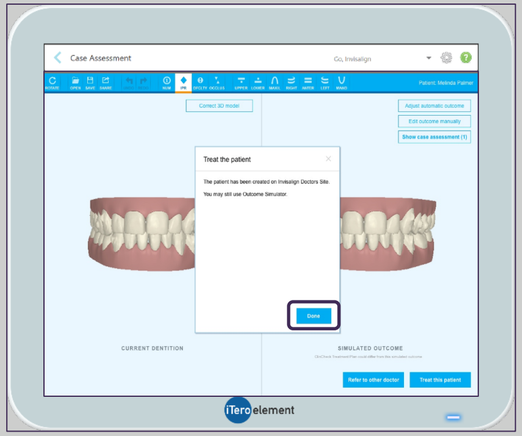
Invisalign Go System – Case Assessment / Treat





Case assessment report. Case is easy, proceed with treatment

Complete the patient information

Save the Case Assessment. The patient information will be available at Invisalign Doctor Site

Cases that can be fully resolved within the clinical protocol of Invisalign Go treatment are categorized as Easy. To continue with the scan submission, save the case assessment.

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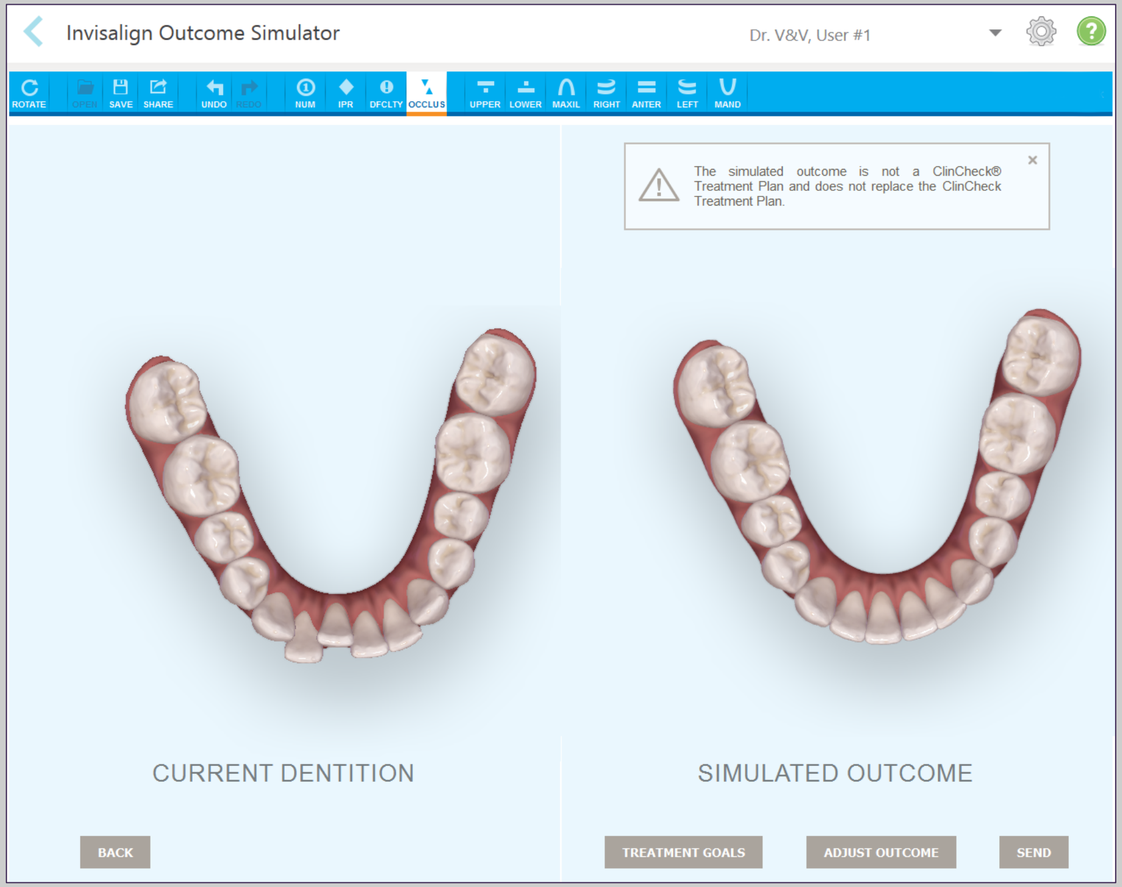
Invisalign Go System – Invisalign Outcome Simulator



The Invisalign Outcome Simulator will provide a simulated outcome of how a patient's teeth may look after treatment with the Invisalign Go aligner system.

This tool supports communication and education with the patient about their treatment options and provides a visual tool that inspires patients to accept treatment.

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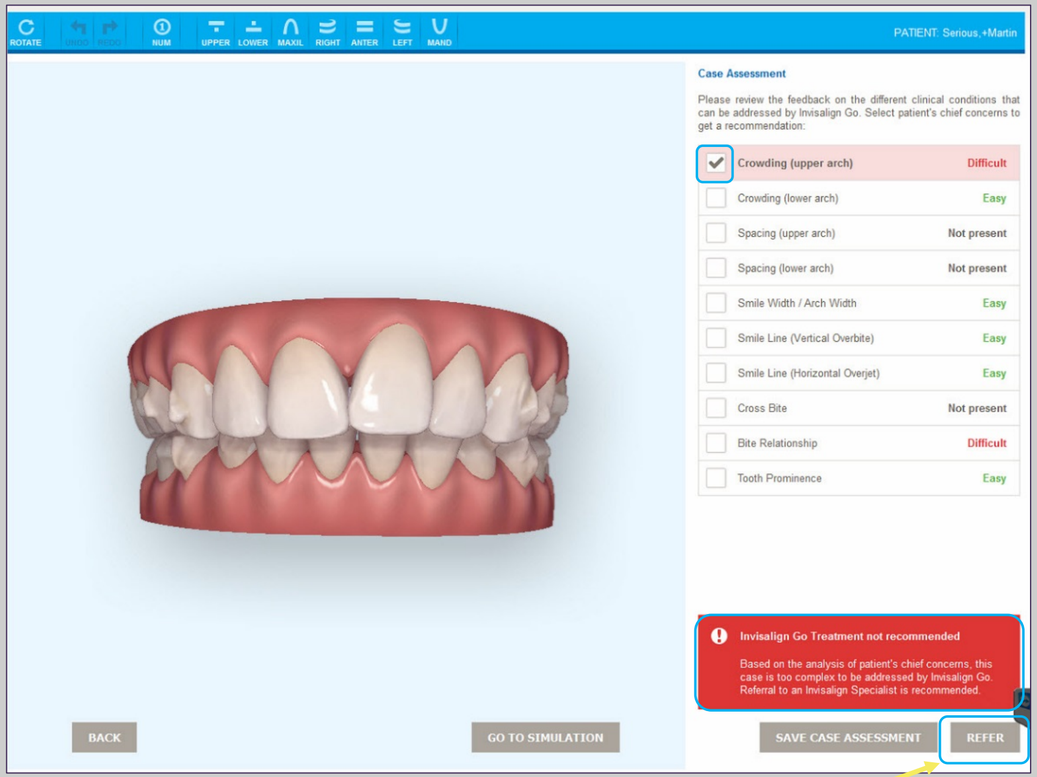
Invisalign Go System – Case Assessment / Referral



If the patients chief concern cannot be treated with the Invisalign Go system, the case will be referred to an Invisalign Specialist

If the patient agrees to consult with a specialist, the dentist can inform the new doctor of this referral by sending it off right from the scanner.

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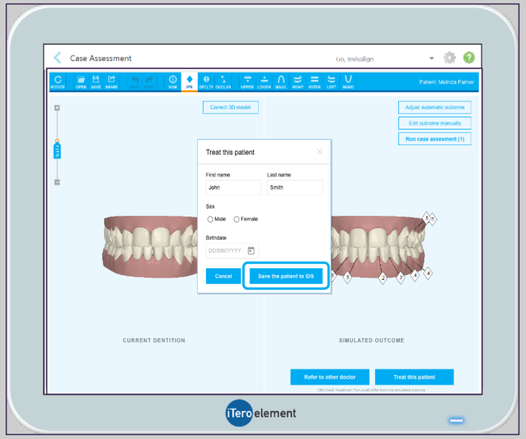
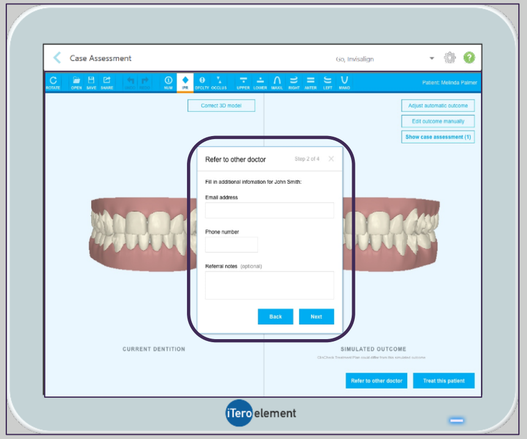
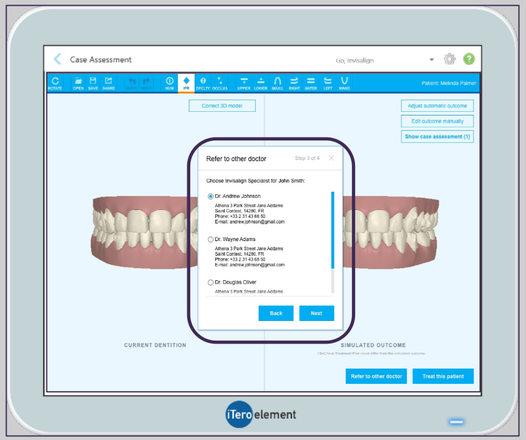
Invisalign Go System – Case Assessment / Referral



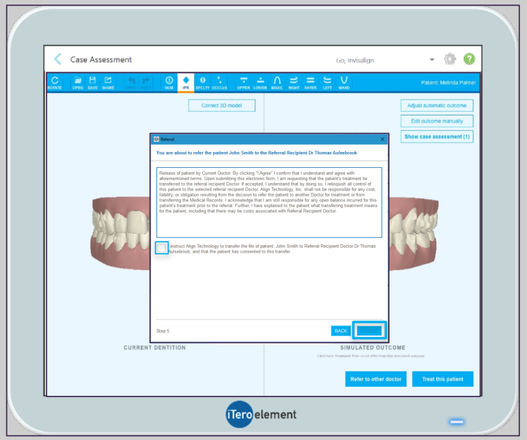
Complete Patient Information



Complete the referral doctor information



Or, select from the dropdown list you built in IDS



Agree to release agreement

The doctor can choose a referral recipient from the displayed list. This list contains the saved referral recipient the doctor has defined on the Invisalign Doctor Site.

In order to add referrals to the list, please visit the Invisalign Doctor Site, select Account tab > Dr. Profile > Add Referral and save the changes to the referral list

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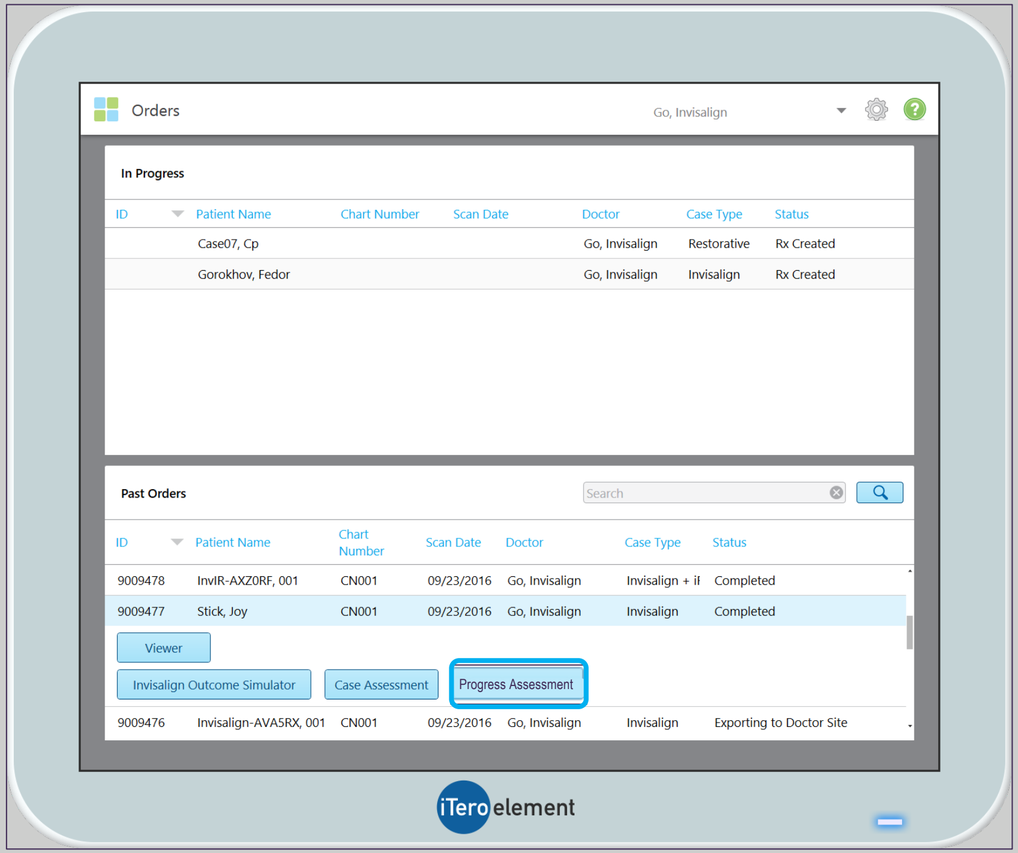
Invisalign Go System – Progress Assessment



At any time during the treatment, you can take advantage of the progress assessment tool to monitor your patients Invisalign Go treatment by simply taking another scan of the patient.
Like the Invisalign Outcome Simulator, the Progress Assessment tool is accessible in the Orders or Patients icon.

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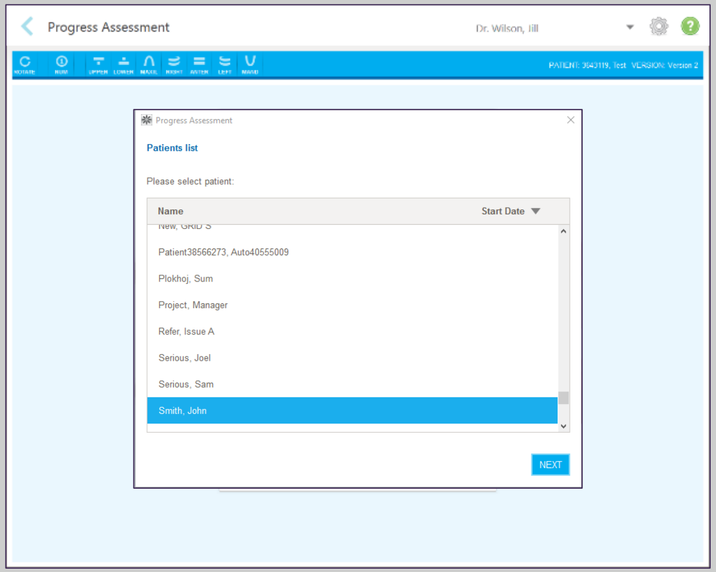
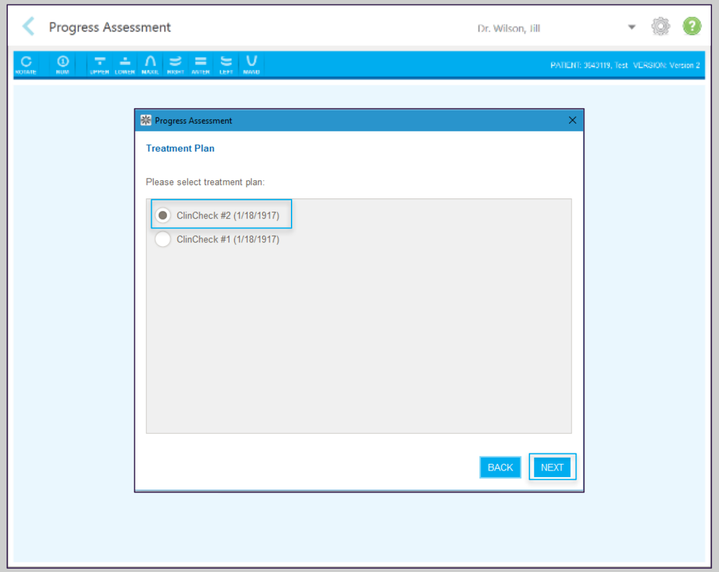
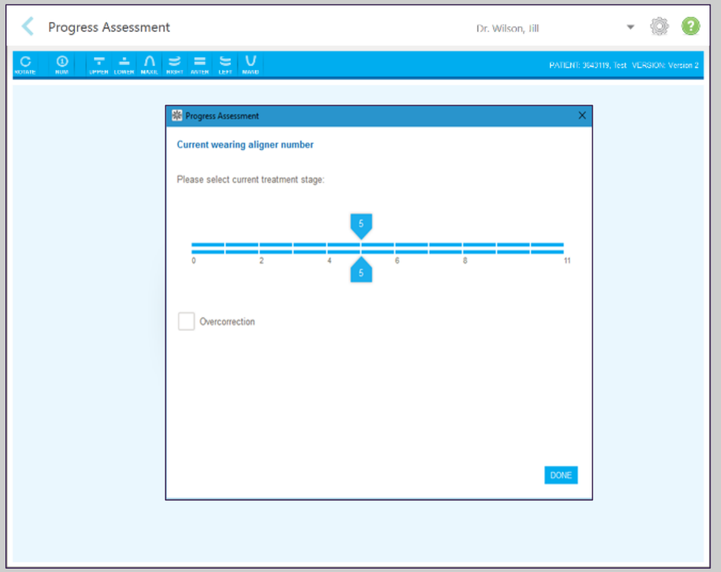
Invisalign Go System – Progress Assessment



The patient's name is highlighted in dropdown list



Select the ClinCheck your would use to use for the Progress Assessment



Select the current aligner stage

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Invisalign Go System – Progress Assessment

The Progress Assessment Report identifies whether if the patient's treatment is on track:

- **Green – Patient treatment on track**
- **Red – Patient treatment is OFF track**

You can submit an order of Additional Aligners on the Invisalign Doctor Site to bring treatment on track.

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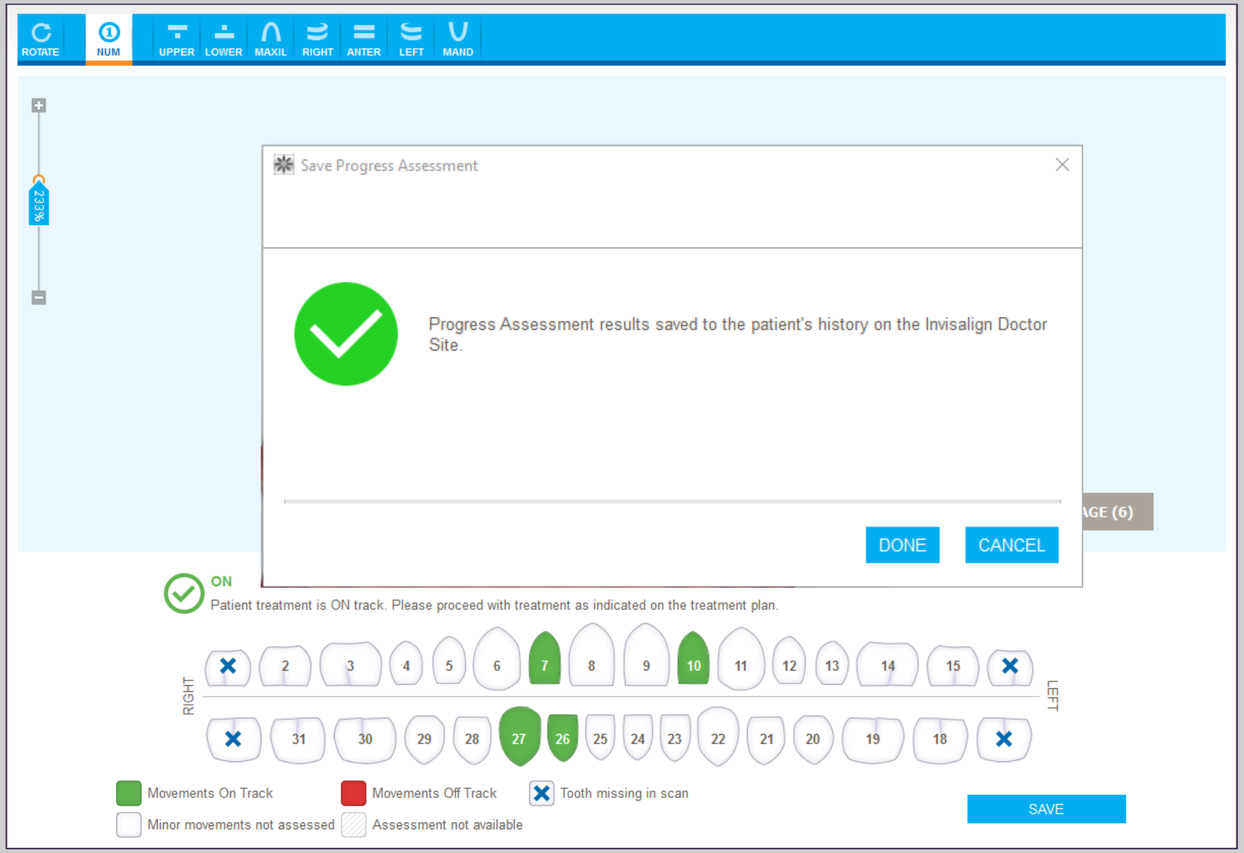
Invisalign Go System – Progress Assessment



Selecting the "Save" button will save the progress assessment results to the patient's history on the Invisalign Doctor Site.

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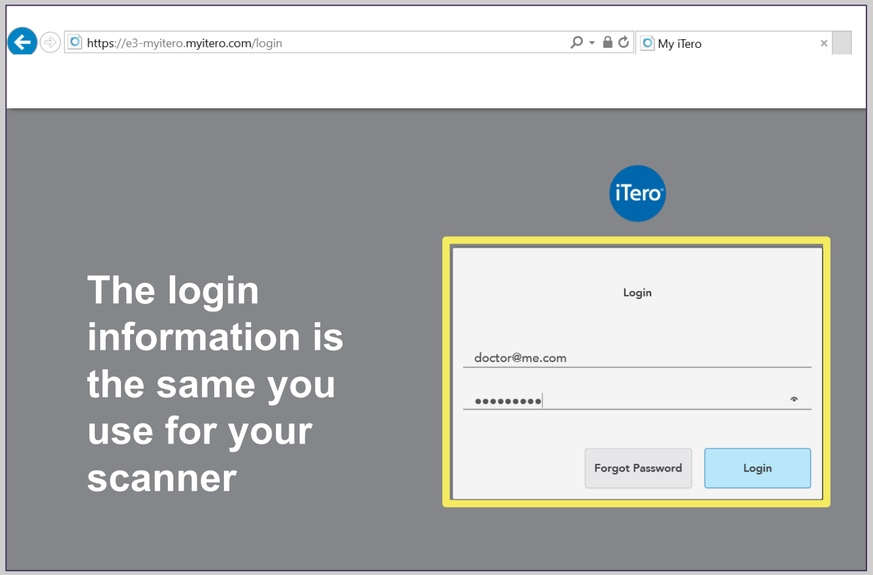
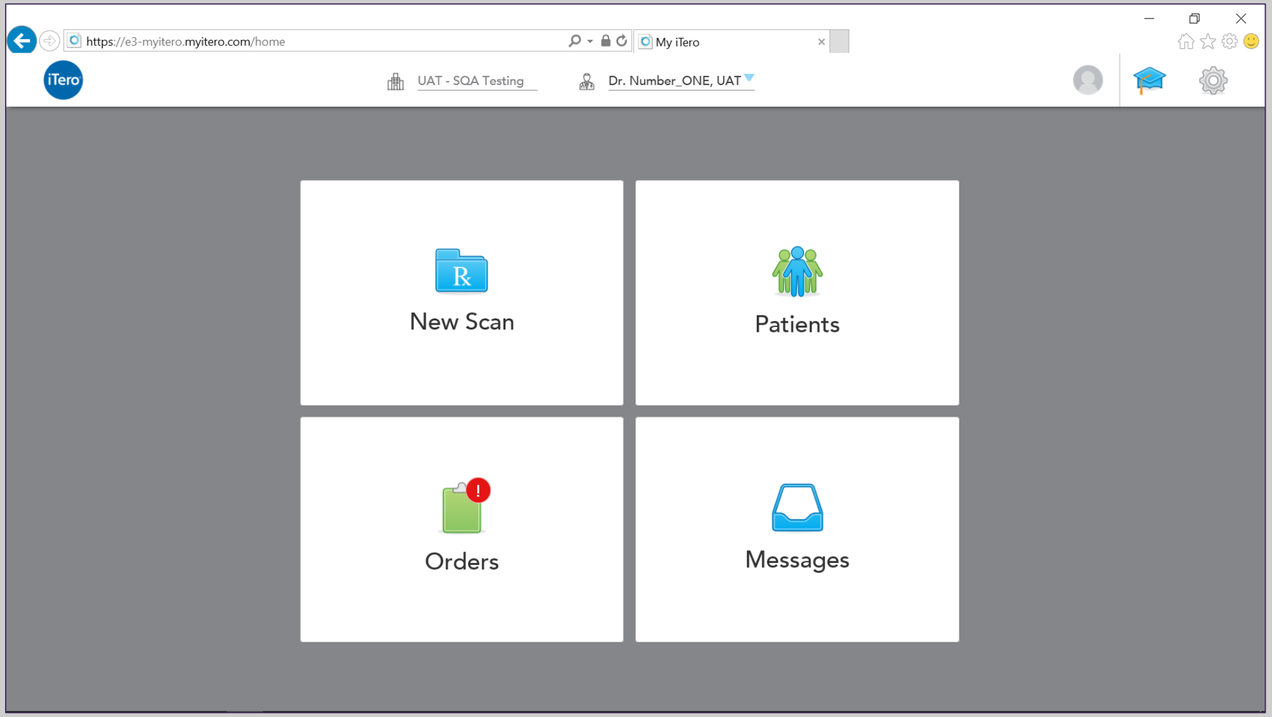
MyiTero.com

In your web browser, go to www.myitero.com





MyiTero.com brings the intuitive experience of the iTero® Element scanner online.
Note the home screen icons are the same as the scanner

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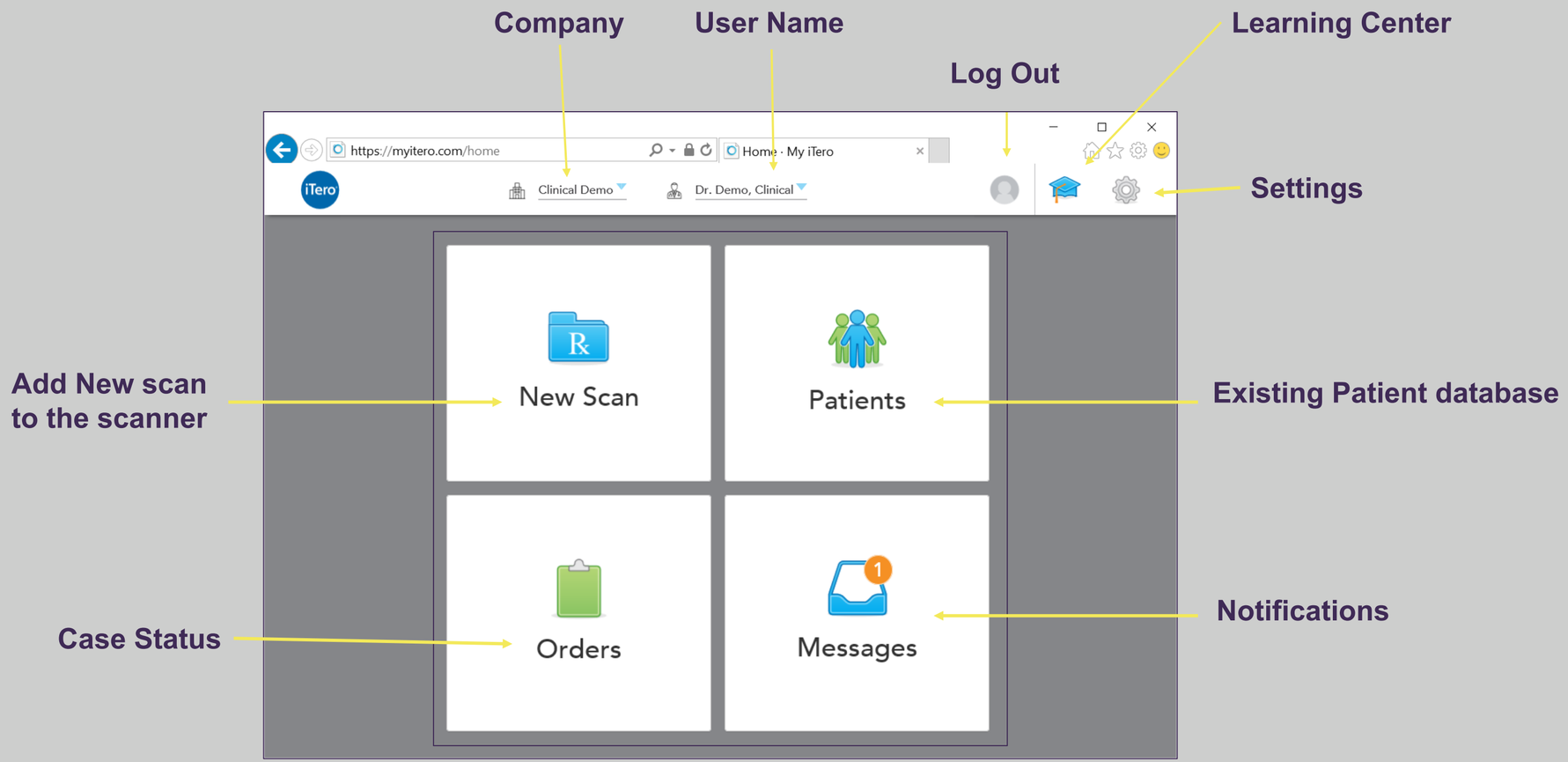
MyiTero.com



Extend the experience of visualizing the virtual models for patient education, treatment planning, administrative tasks and STL export you can view iTero Element scans both from the scanner and from any computer or tablet, through myitero.com.

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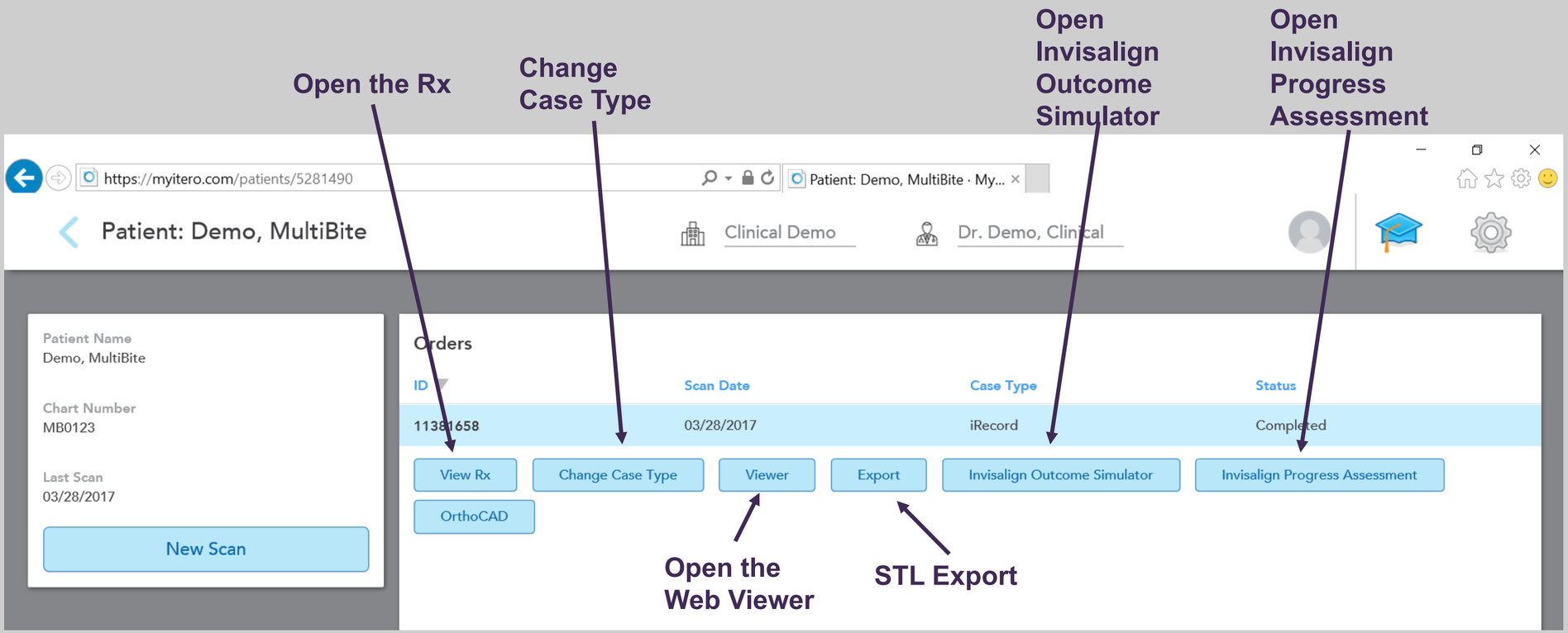
MyiTero.com – Available Workflows



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iTero Customer Advocacy

Contact iTero Customer Advocacy at 1 800 577 8767.

Order disposable scanner sleeves, articulators, and patient brochures online at the iTero Store (www.store.itero.com) or click on the iTero Store tab in MyAligntech.

Check MyAligntech and Messages for upgrade notifications and information on the monthly iTero Advanced Training Webinars.

Align Technology, Inc.
2560 Orchard Parkway
San Jose, CA 95131

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PDF Files

iTero Element Operation Manual

Invisalign Outcome Simulator Quick Reference Guide

STL Export Instructions

iTero Element Video

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