



iTero Element Intraoral Scanner Orthodontic Training Guidebook

with Invisalign Treatment

May 2018

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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



Touch Screen

Scanner Sleeve

Wand / Touchpad

Wheel Base

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.

Wheel Base



iTero element 2



Next-generation computing

21.5" touch widescreen delivers better visualization with enhanced color

Ergonomic, centered cradle provides easy wand access

iTero element 2

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



iTero element flex



“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

iTero element flex



Portable, ideal for multiple office practices

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.

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.

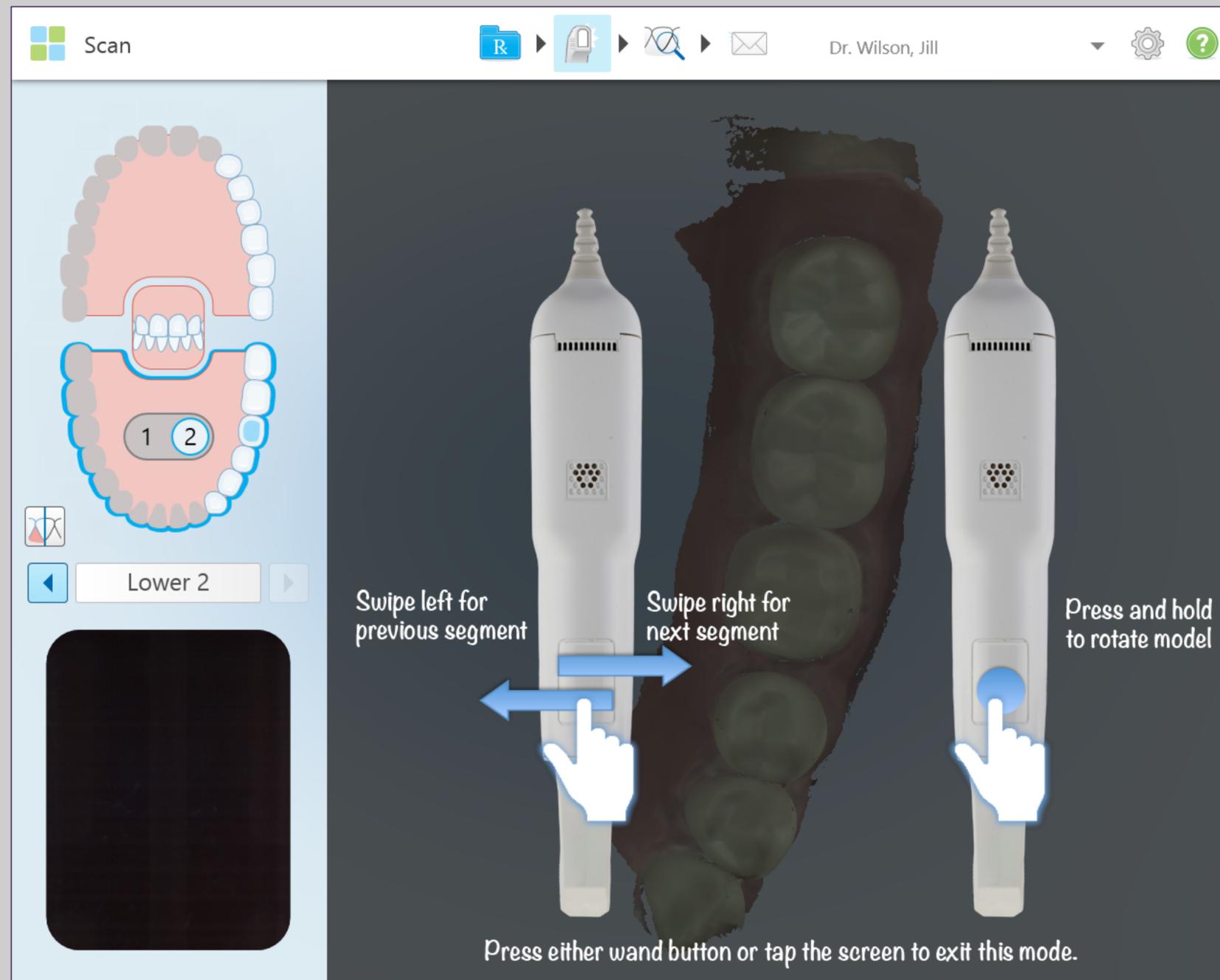
Holding the Wand

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.



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.

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.

Make It Mine / Registering the System

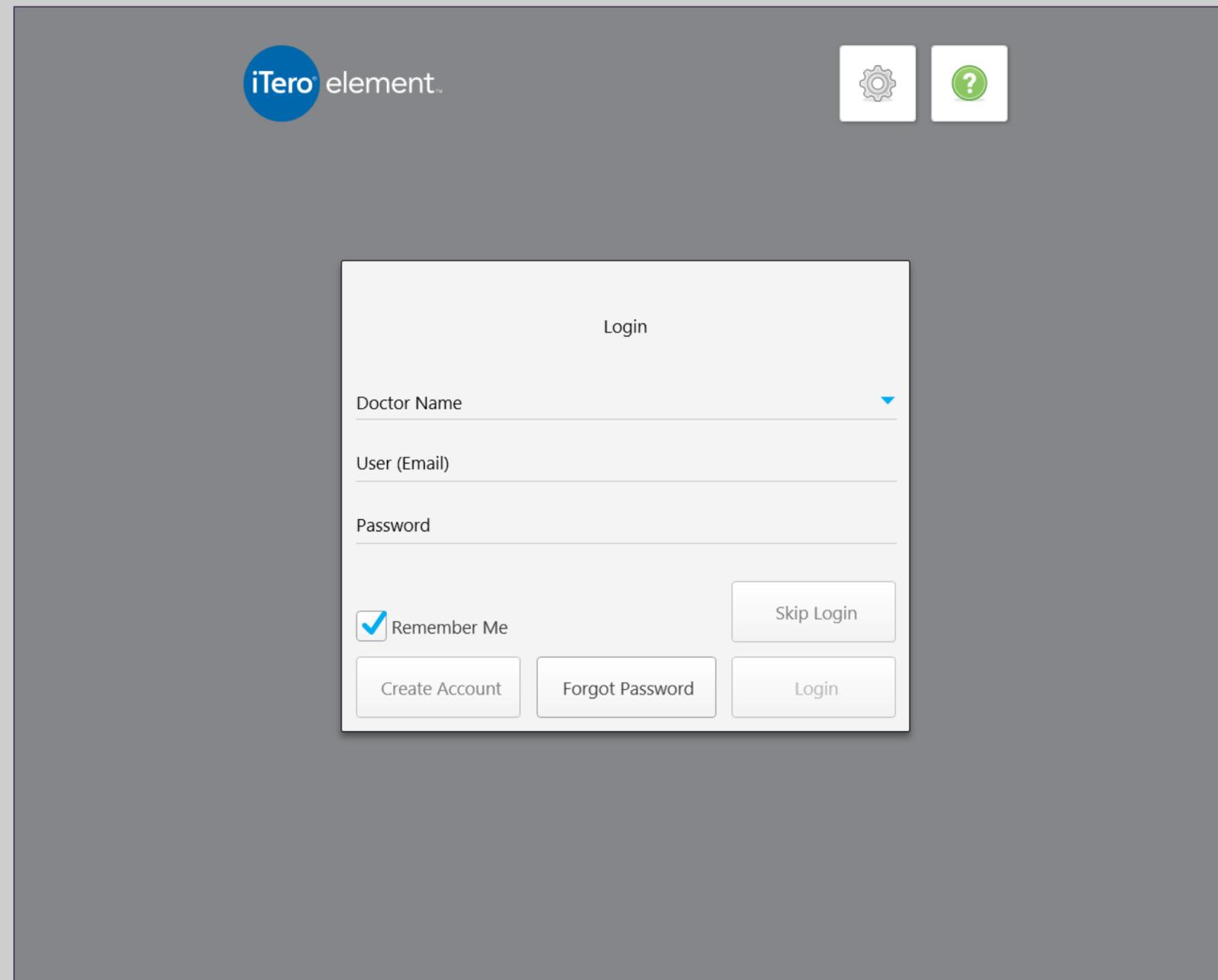


To register the iTero Element system, have the following information available*

- 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**.

Logging In



iTero element

Settings Help

Login

Doctor Name

User (Email)

Password

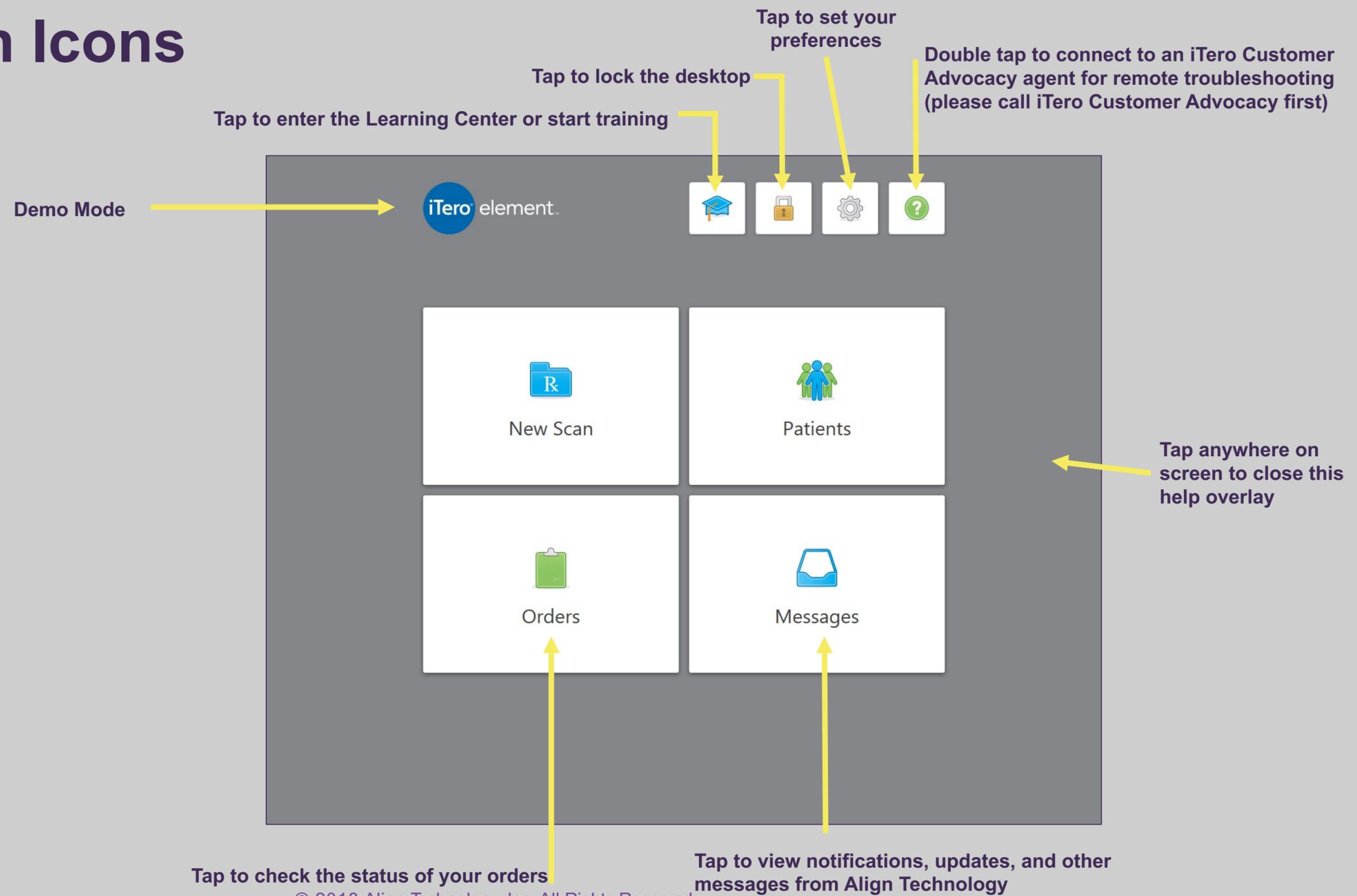
Remember Me Skip Login

Create Account Forgot Password Login

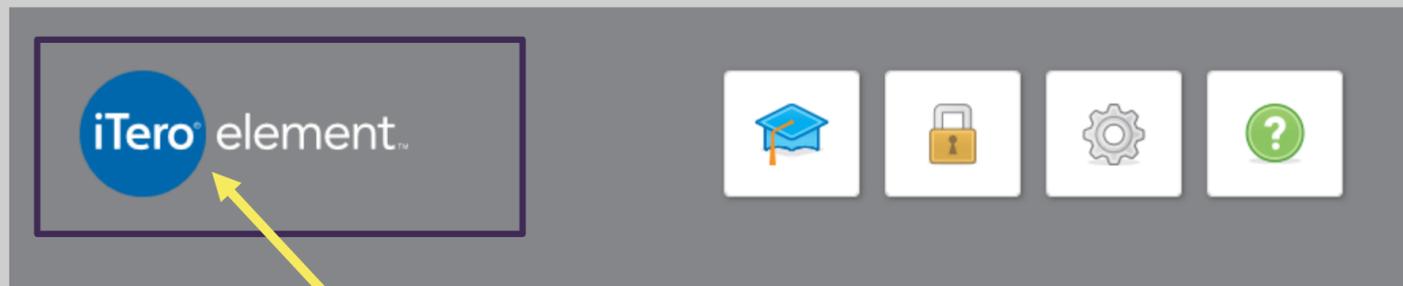
- To log-in to the scanner,
- Choose the doctor name
- Enter user name and password*
- Check the 'Remember Me' box to remain logged on to the scanner for 9 hours

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

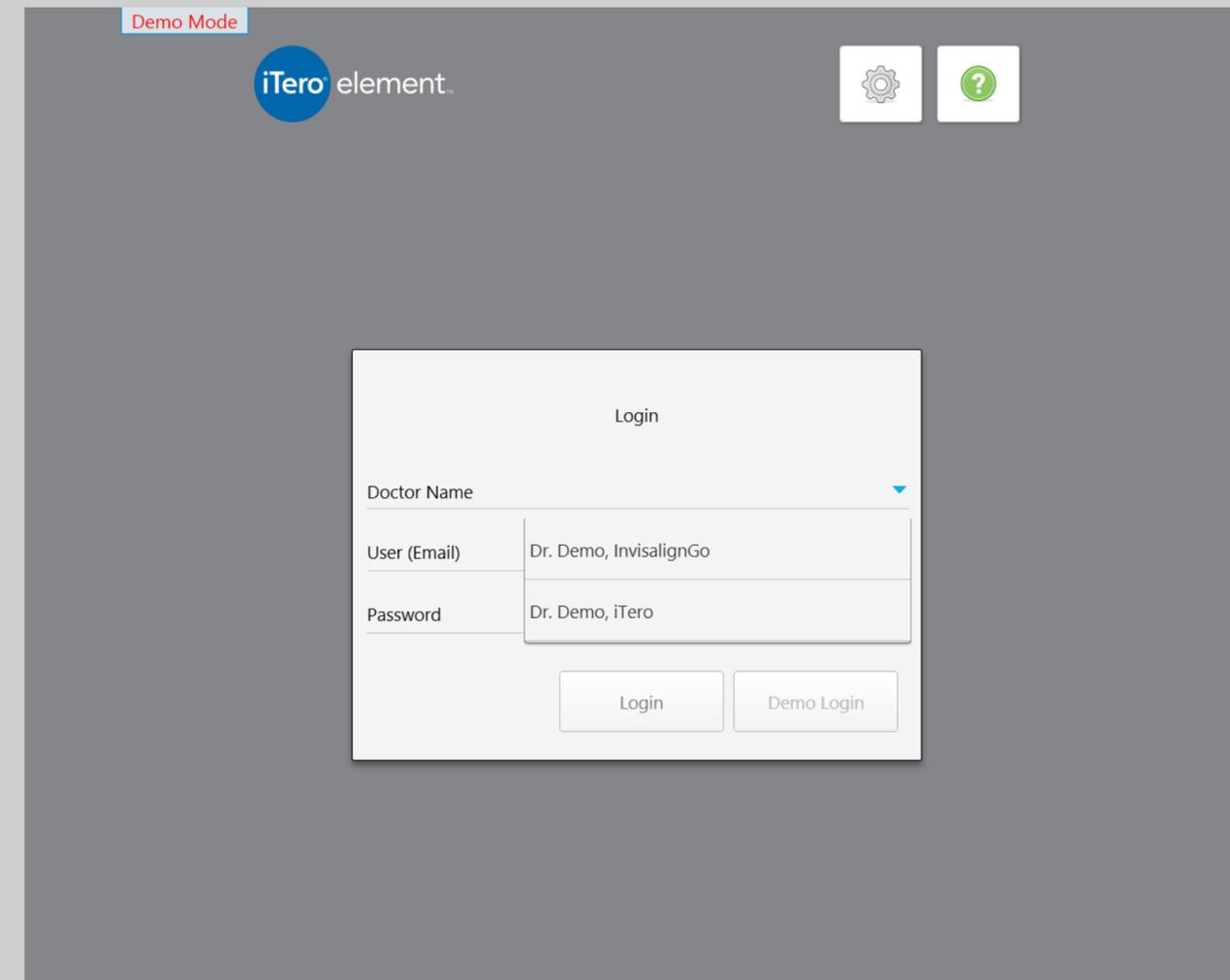
Home Screen Icons



Demo Mode

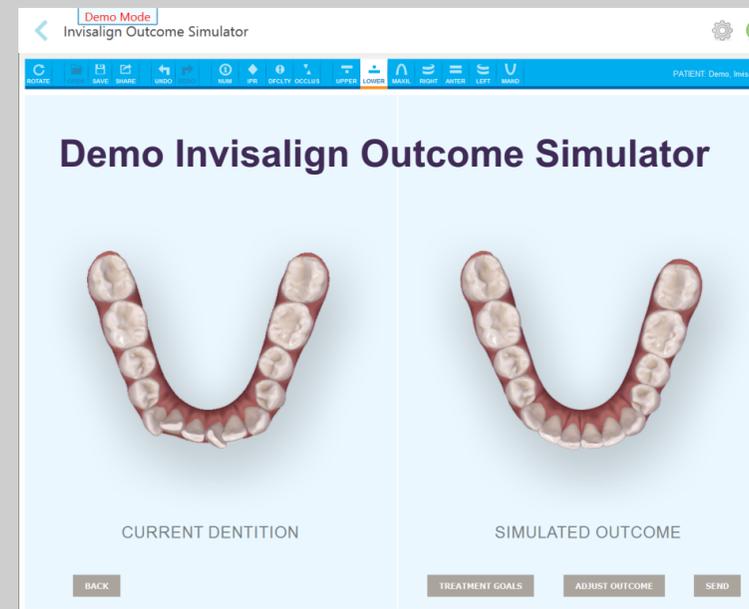
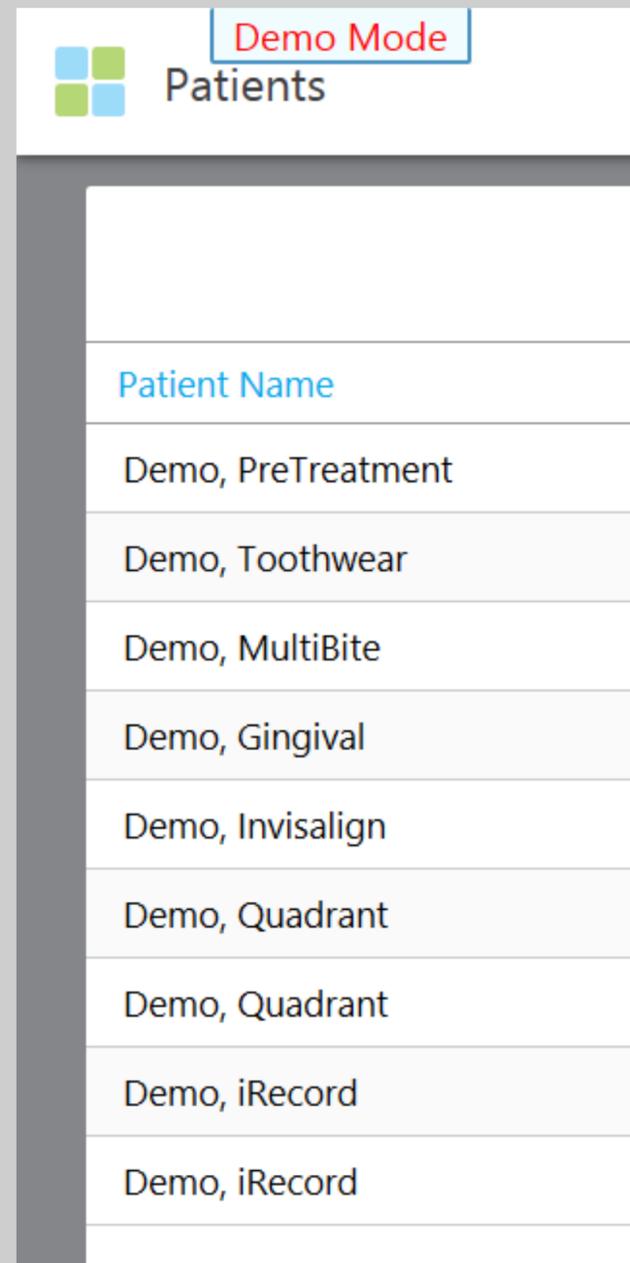


Tap on the iTero Element logo then select the demo mode button

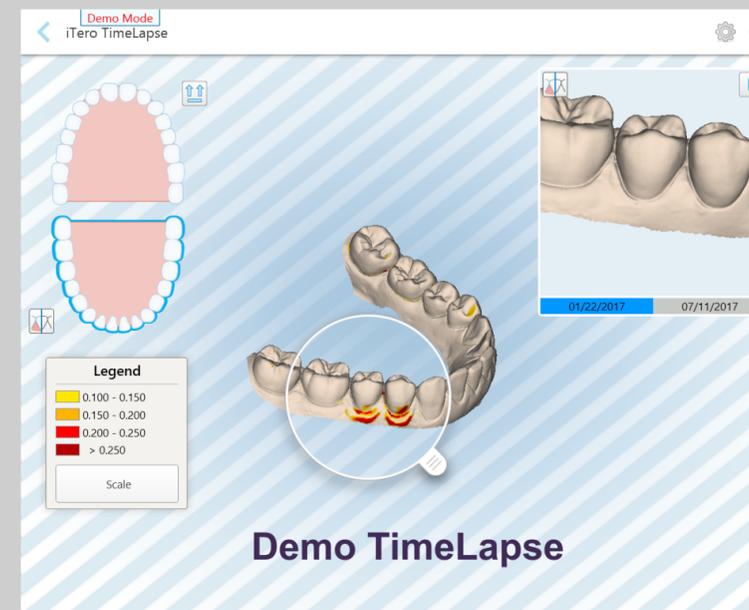


Select a user and log in

Demo Mode



Explore Demo cases in Patients Tab



Demo TimeLapse

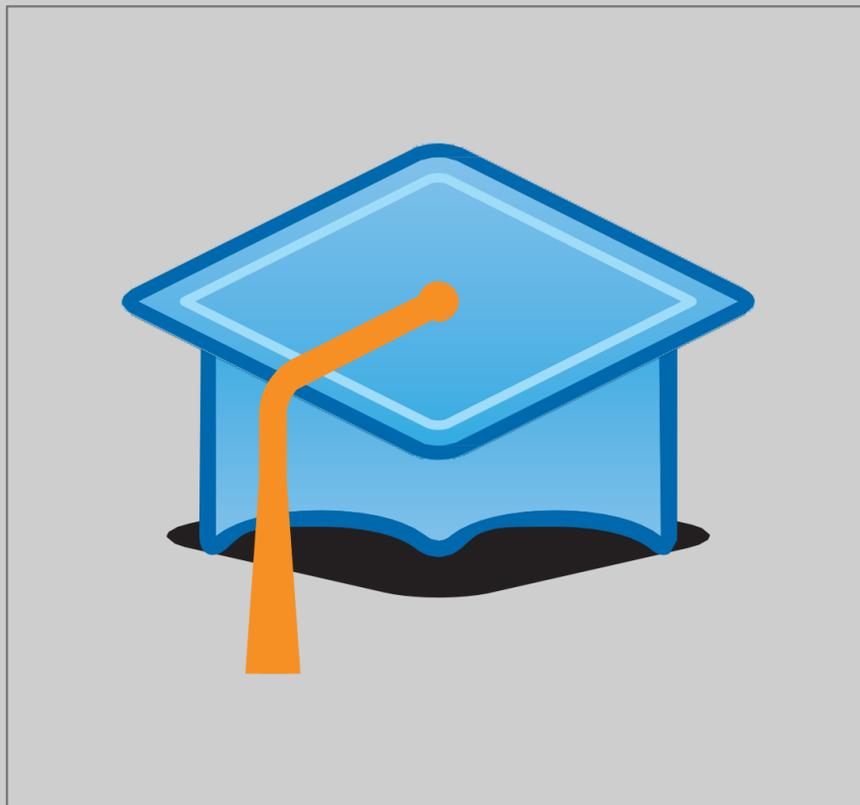
Practice scanning by selecting the new scan icon, completing the Rx and scanning according to the protocol for the selected case type. **Note: Cases scanned in demo mode cannot be submitted for production.**

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.

The background wallpaper is stripped alerting you to demo mode status

Small Icons – Learning Center

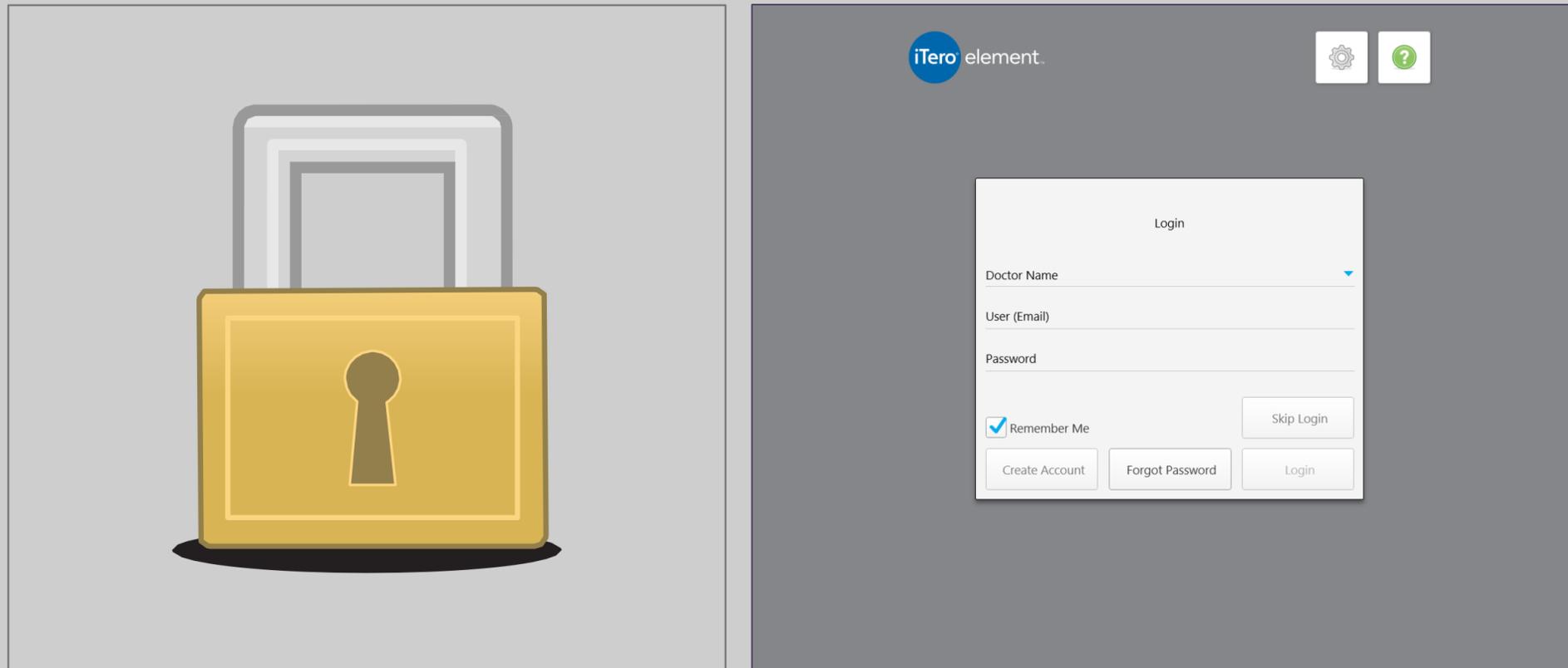


The graduation cap is the link to the Learning Center.

Select this icon to access all training support materials

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

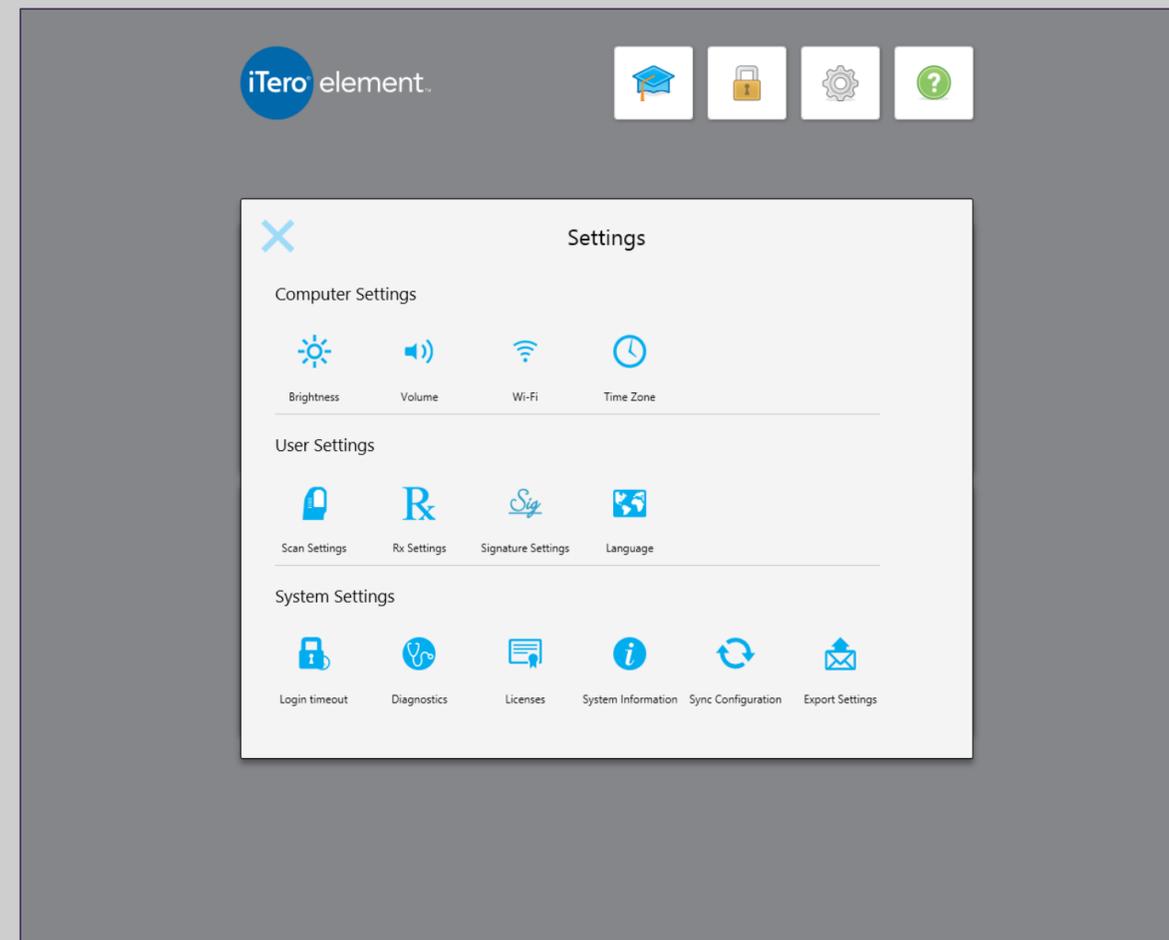
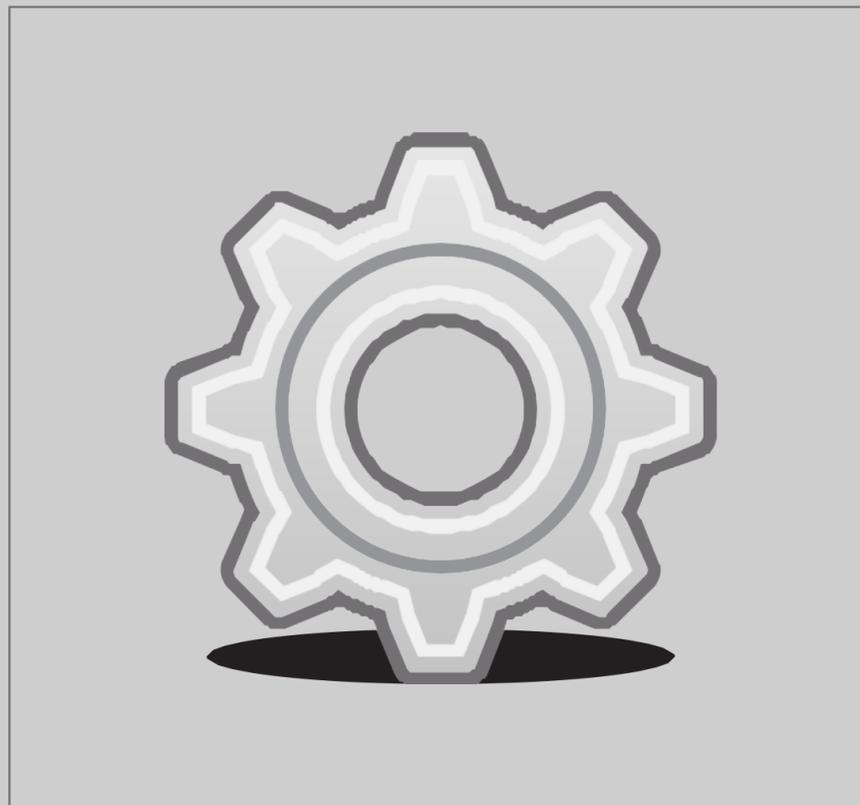
Small Icons – Lock



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.

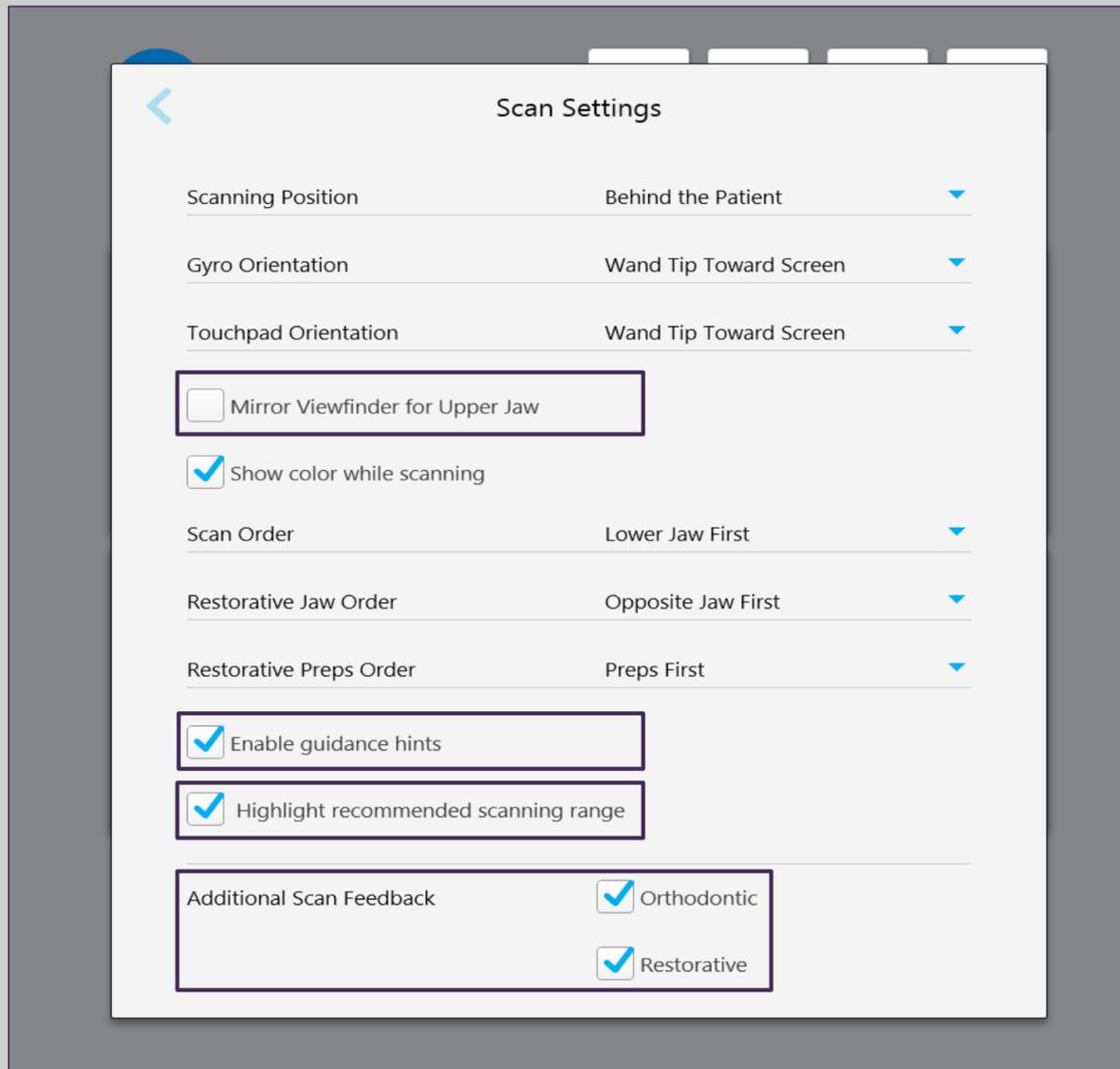
Small Icons – Settings



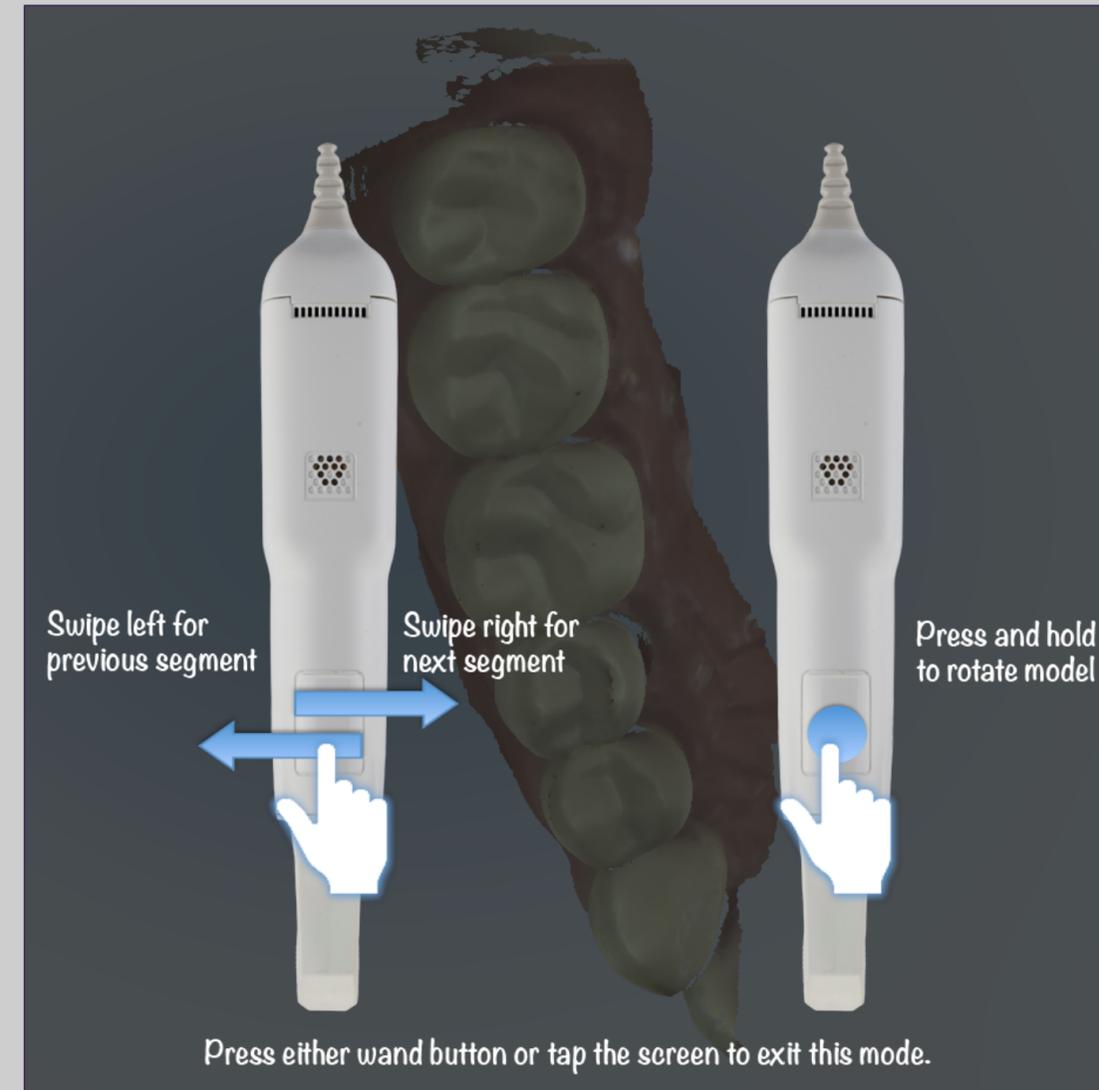
Tapping on the Settings icon brings the screen which allows the change of computer settings, scanner settings, time zone, language, add the Doctor's signature, license number, and sync the system for any new updates.



Settings – Scanner Settings



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

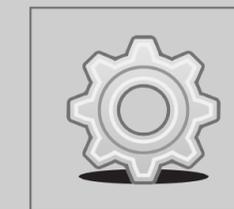


Within the Scanner Settings, select the preference for the Gyro and Touchpad orientation.

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.

Settings – Scanner Settings

Change the Scan Order.



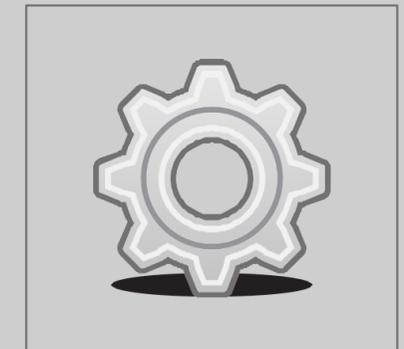
The screenshot shows the 'Scan Settings' menu in the iTero element application. The 'Scan Order' is set to 'Lower Jaw First'. The 'Restorative Jaw Order' is set to 'Opposite Jaw First', and its dropdown menu is open, showing 'Opposite Jaw First' and 'Prepped Jaw First' as options. Other settings include 'Scanning Position' (Behind the Patient), 'Gyro Orientation' (Wand Base Toward Screen), 'Touchpad Orientation' (Wand Base Toward Screen), 'Mirror Viewfinder for Upper Jaw' (checked), 'Show color while scanning' (checked), 'Additional Scan Feedback' (checked), and 'Enable guidance hints' (checked).

Jaw Order

The screenshot shows the 'Scan Settings' menu in the iTero element application. The 'Restorative Preps Order' is set to 'Preps First', and its dropdown menu is open, showing 'Preps First', 'Arch First', and 'No Guidance' as options. Other settings include 'Scanning Position' (Behind the Patient), 'Gyro Orientation' (Wand Base Toward Screen), 'Touchpad Orientation' (Wand Base Toward Screen), 'Mirror Viewfinder for Upper Jaw' (checked), 'Show color while scanning' (checked), 'Additional Scan Feedback' (checked), 'Scan Order' (Lower Jaw First), 'Restorative Jaw Order' (Opposite Jaw First), and 'Enable guidance hints' (checked).

Preparation Order

Settings – Scanner Settings



iTero element.

Signature Settings

License

Signature

Clear

Signature Usage

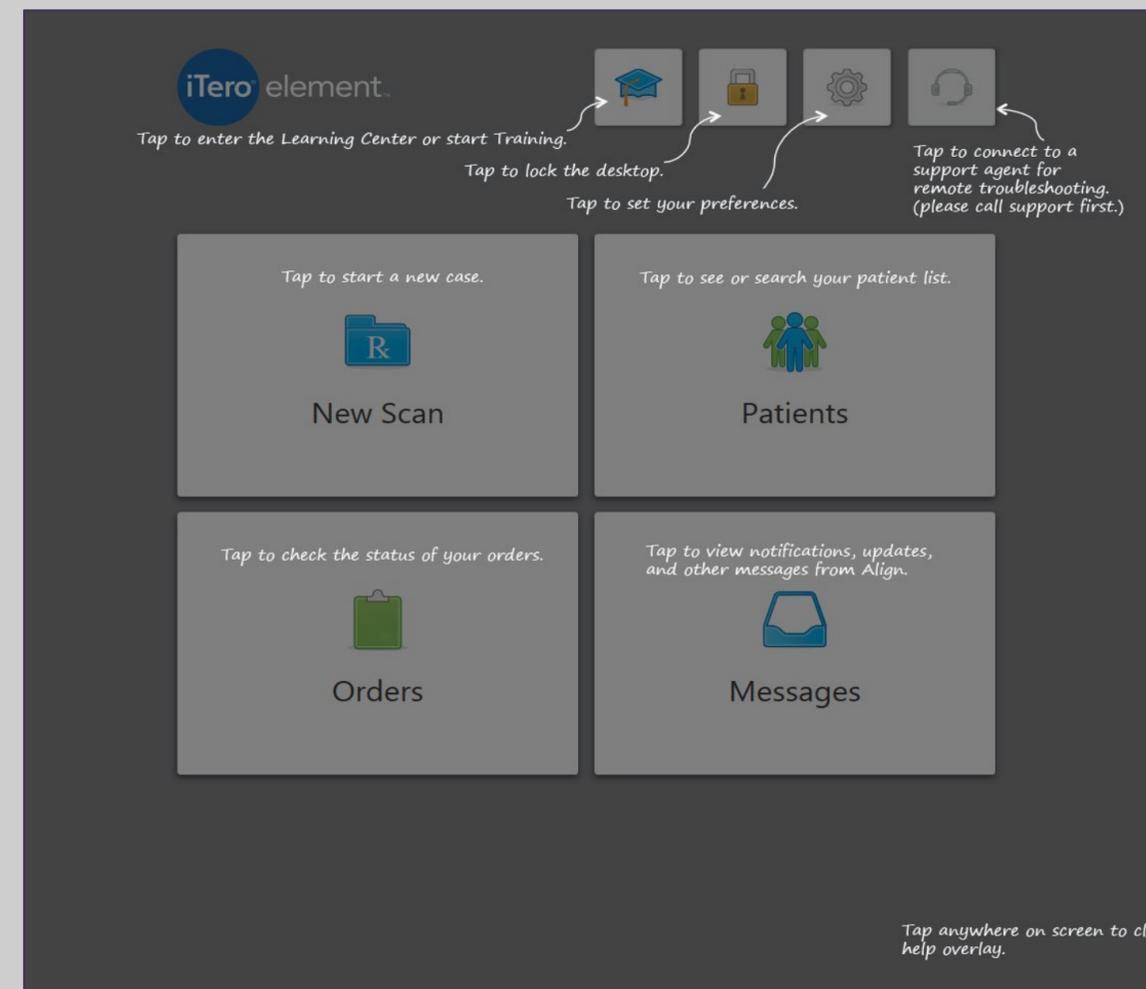
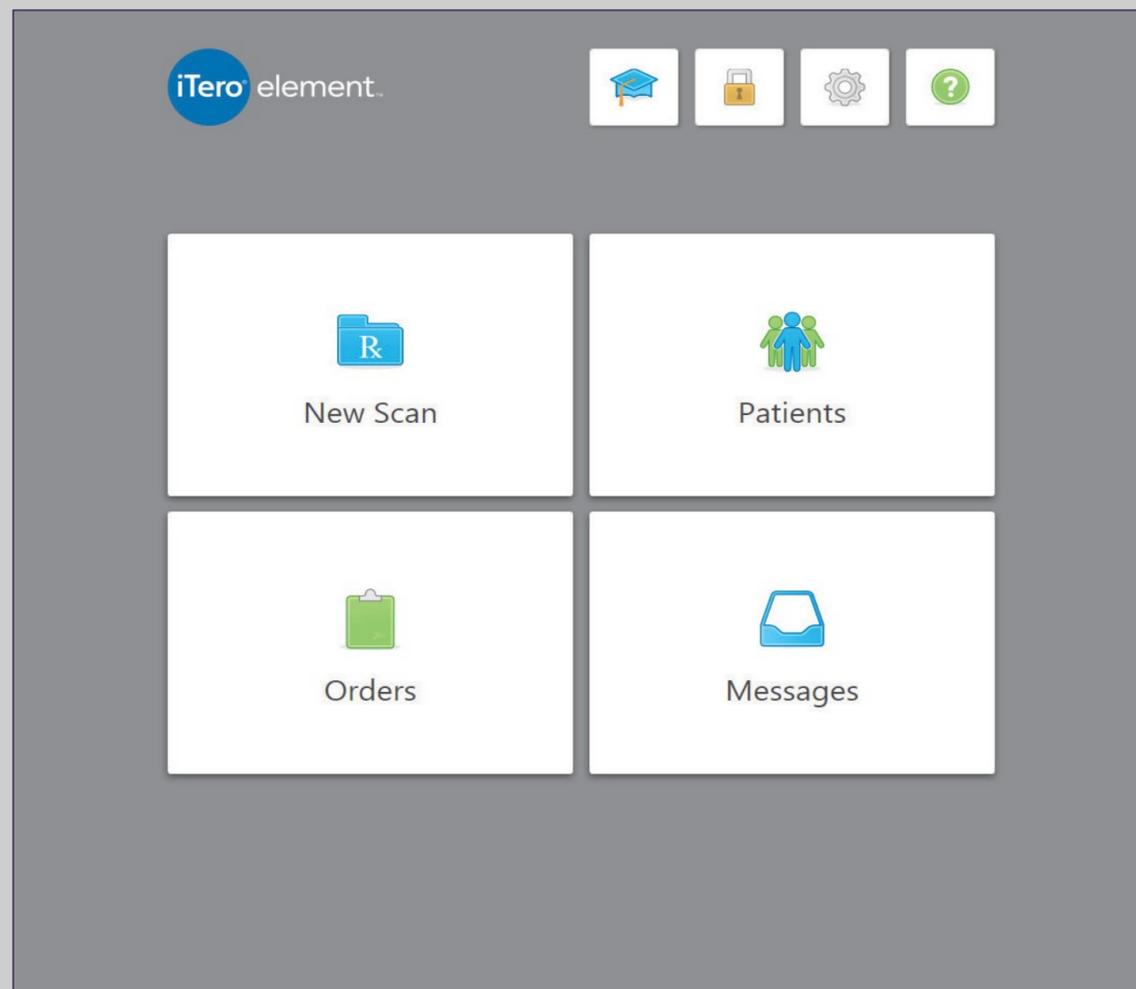
Sign once and save for use with each Rx

Do not save my signature (requires a signature for each Rx)

Disable this function (for this user only)

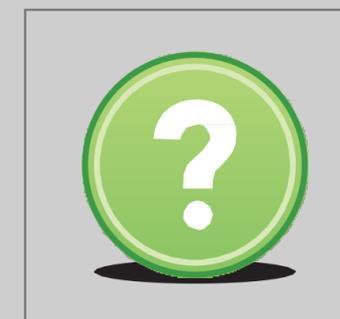
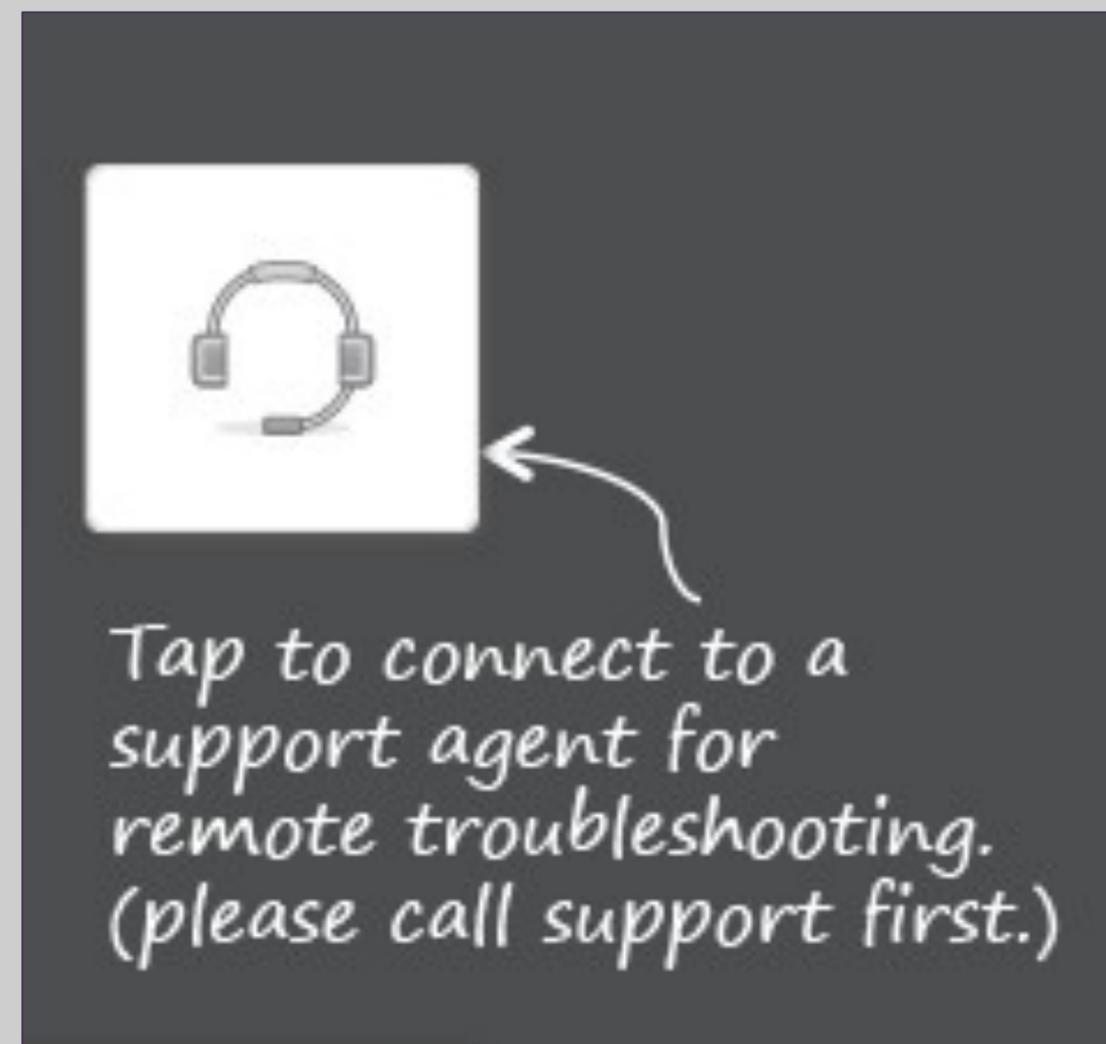
- Enter doctor license number in the box provided
- Sign in the signature box
- Select preferred option

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.

iTero Customer Advocacy



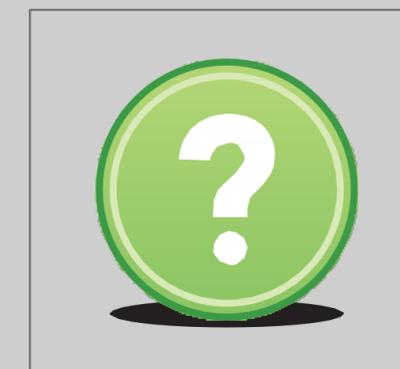
Tapping on the headset will allow for remote assess for troubleshooting. Contact iTero Customer Advocacy first at 1 800 577 8767.

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

Help / Display Screen Gestures

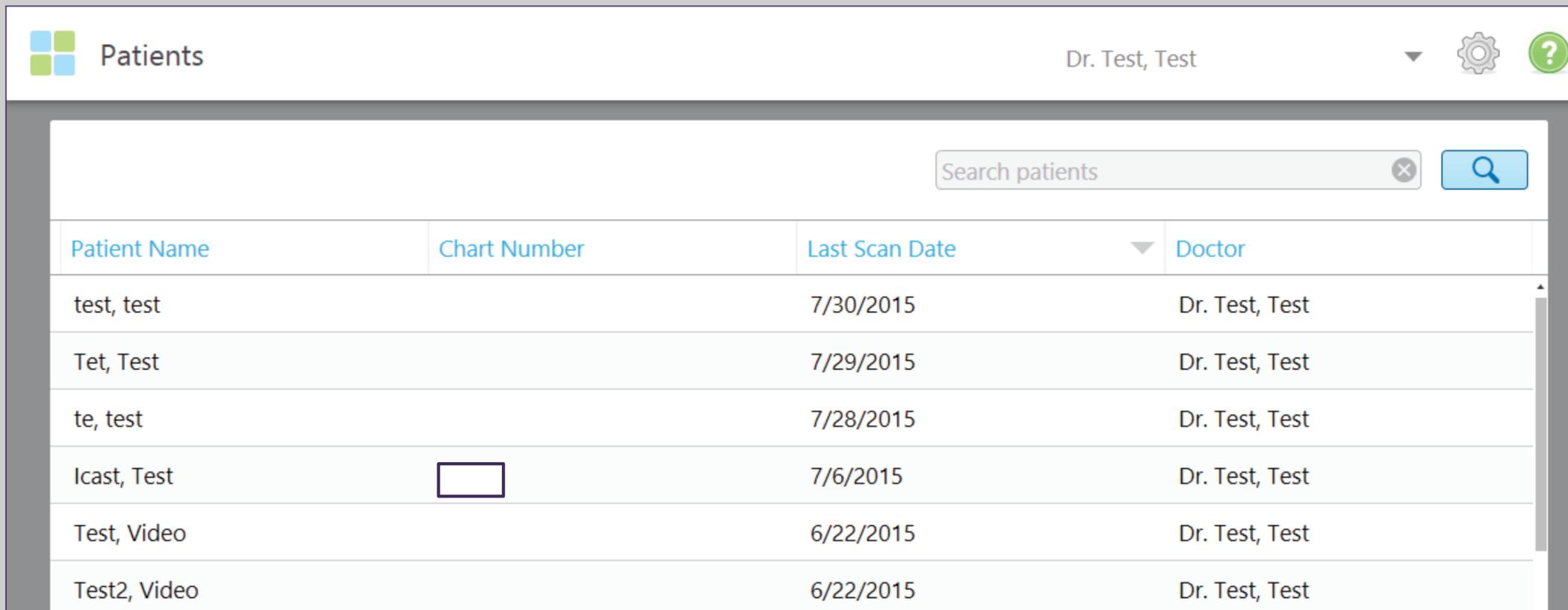
The screenshot displays a dental software interface with a 3D model of teeth. The top navigation bar includes icons for 'View', 'Rx', 'Scanning Mode', 'Review the Scan', and 'Send and Approve the scan', along with a user profile for 'Dr. Wilson, Jill'. The interface is annotated with several help overlays:

- Additional Scan Feedback:** An icon with an 'i' and 'x' next to a tooth selection icon.
- Tap on the upper arch or a tooth to select it:** Instruction for selecting the upper arch.
- Tap on the lower arch or a tooth to select it:** Instruction for selecting the lower arch.
- Scan Color Toggle:** A color selection tool.
- Both:** A navigation control.
- Rotate 3D model with a single finger movement:** Instruction for rotating the model.
- Rotate model around the center axis with a clockwise or counter-clockwise movement using two fingers:** Instruction for rotating around the center axis.
- Move (pan) model to a new location by dragging it with two fingers:** Instruction for panning the model.
- Tap with two fingers to resize and center the model on screen:** Instruction for resizing and centering the model.
- Tap anywhere on screen to close this help overlay:** Instruction for closing the help overlay.



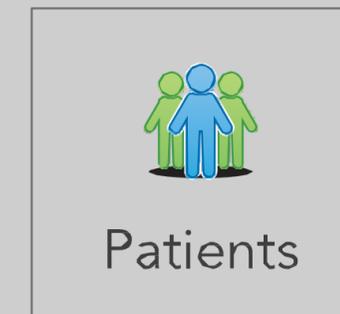
- Tap on the help icon for context sensitive overlays with instructions and tool descriptions
- Use fingers to rotate, move, or zoom in on the scanned model for analyzing

Patients



The screenshot shows a web application window titled "Patients" for "Dr. Test, Test". It features a search bar and a table with columns for Patient Name, Chart Number, Last Scan Date, and Doctor. The table contains seven rows of patient data.

Patient Name	Chart Number	Last Scan Date	Doctor
test, test		7/30/2015	Dr. Test, Test
Tet, Test		7/29/2015	Dr. Test, Test
te, test		7/28/2015	Dr. Test, Test
Icast, Test	<input type="text"/>	7/6/2015	Dr. Test, Test
Test, Video		6/22/2015	Dr. Test, Test
Test2, Video		6/22/2015	Dr. Test, Test



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.

Patients



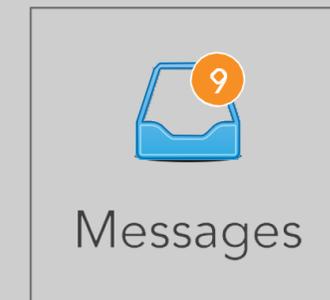
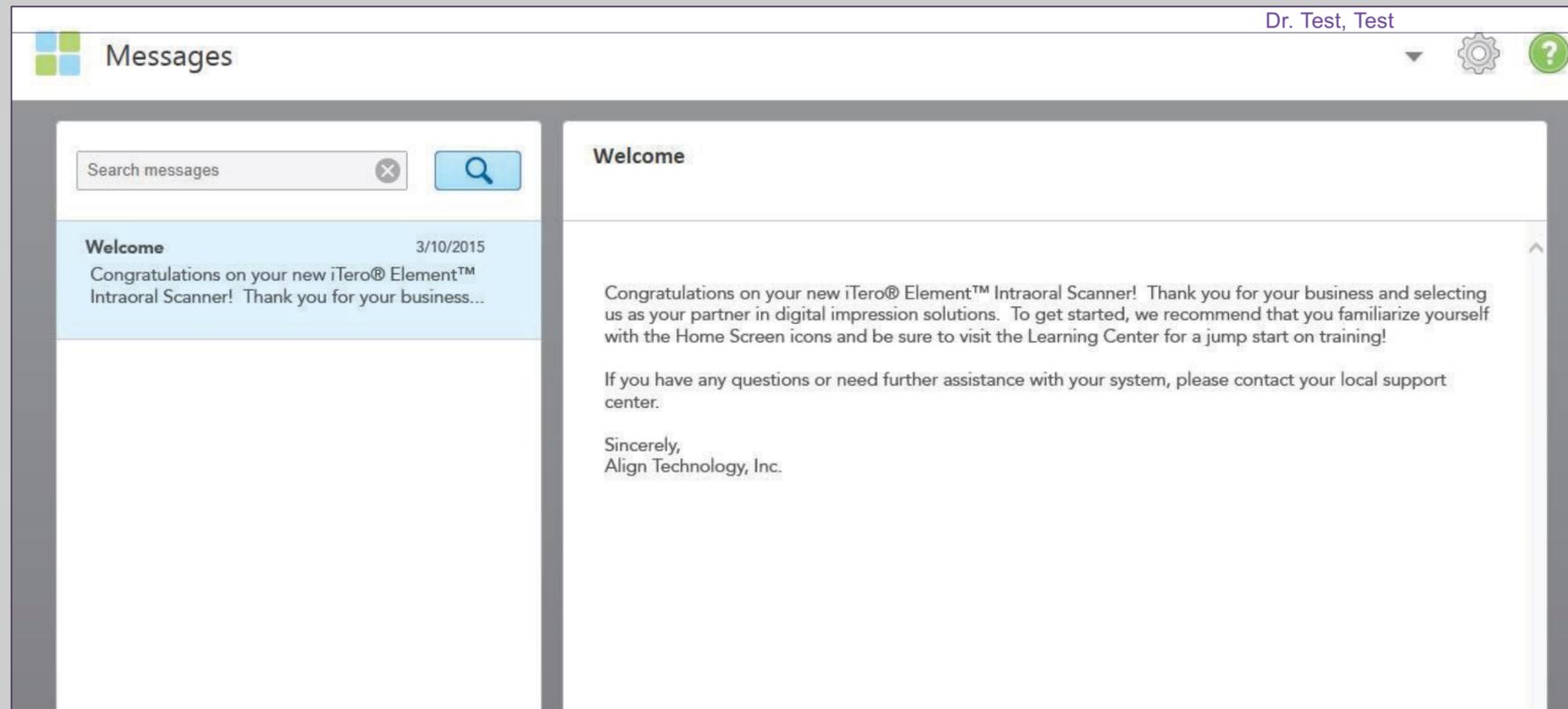
Patients

← Patient: Smith-Doe, John Dr. Test, Test

Name Smith-Doe, John Chart Number Last Scan 05/05/2016 New Scan	Orders				
	ID	Scan Date	Doctor	Case Type	Status
	9358961	05/05/2016	Dr. Test, Test	iRecord	Completed
	View Rx Viewer Add Rx				
	Invisalign Outcome Simulator				

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

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.

Large Icons / Orders

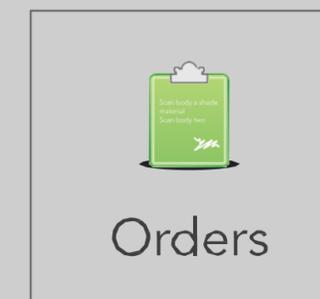
 Orders
Dr. Align, Test ▼  

In Progress

ID	Patient Name	Chart Number	Scan Date	Doctor	Case Type	Status
	Test, Bridge			Dr. Align, Test	Restorative	Rx Created
	Tes, Tes			Dr. Align, Test	Restorative	Rx Created
	Smith, Paige	8594	07/31/2015 09:40:45	Dr. Align, Test	Invisalign	Scanning

Past Orders Search patients ✕ 

ID	Patient Name	Chart Number	Scan Date	Doctor	Case Type	Status
8906781	Restorative, Patient		02/01/2016	Dr. Align, Test	Invisalign + iif	Completed
8907458	Restorative, Patient		02/01/2016	Dr. Align, Test	iRecord	Completed
8906583	Restorative, Patient		02/01/2016	Dr. Align, Test	Quadrant	iTero Modeling
8906919	test, test		02/01/2016	Dr. Align, Test	Reference Mc	Lab Review
8907174	Restorative, Patient		02/01/2016	Dr. Align, Test	Reference Mc	Inactive/Cancelled



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

Large Icons / Orders in Progress and Past Orders

Orders Dr. Test, Test

In Progress

ID	Patient Name	Chart Number	Scan Date	Doctor	Case Type	Status
	Test, Real-Color		05/04/2016 08:14:13	Dr. Test, Test	Invisalign + if	Scanning
	Test, Susan		05/03/2016 16:47:08	Dr. Test, Test	Restorative	Scanning
	test, test		05/06/2016 12:13:27	Dr. Test, Test	Invisalign + if	Scanning
	Test, Test		02/22/2016 18:23:25	Dr. Test, Test	Invisalign + if	Scanning
	Test, Test		04/01/2016 15:29:34	Dr. Test, Test	Restorative	Scanning

Past Orders

ID	Patient Name	Chart Number	Scan Date	Doctor	Case Type	Status
9360096	Smith, Jessica		05/05/2016	Dr. Test, Test	iCast	Completed
9358961	Smith-Doe, John		05/05/2016	Dr. Test, Test	iRecord	Completed
9358875	Test, Test		05/05/2016	Dr. Test, Test	iRecord	Completed

[View Rx](#)
[Viewer](#)
[Add Rx](#)

[Invisalign Outcome Simulator](#)



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.

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.

Large Icons / New Scan

New Scan

Doctor: Dr. Test, Test License: * 12345

First Name: * Case Type: *

Last Name: * Due Date:

Chart #: Ship To:

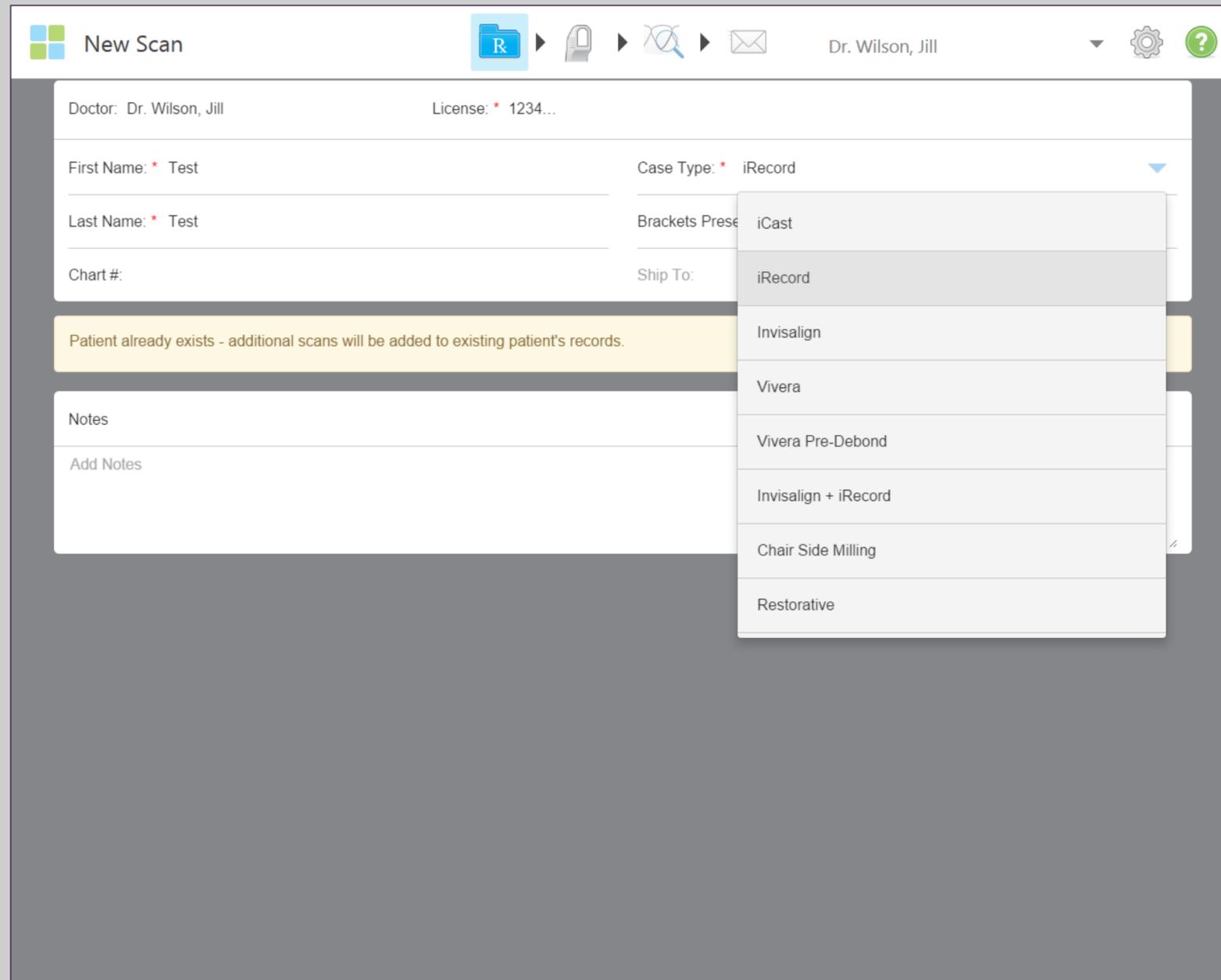
Notes

Add Notes



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.

Full Mouth Scanning Protocol – Start New Prescription

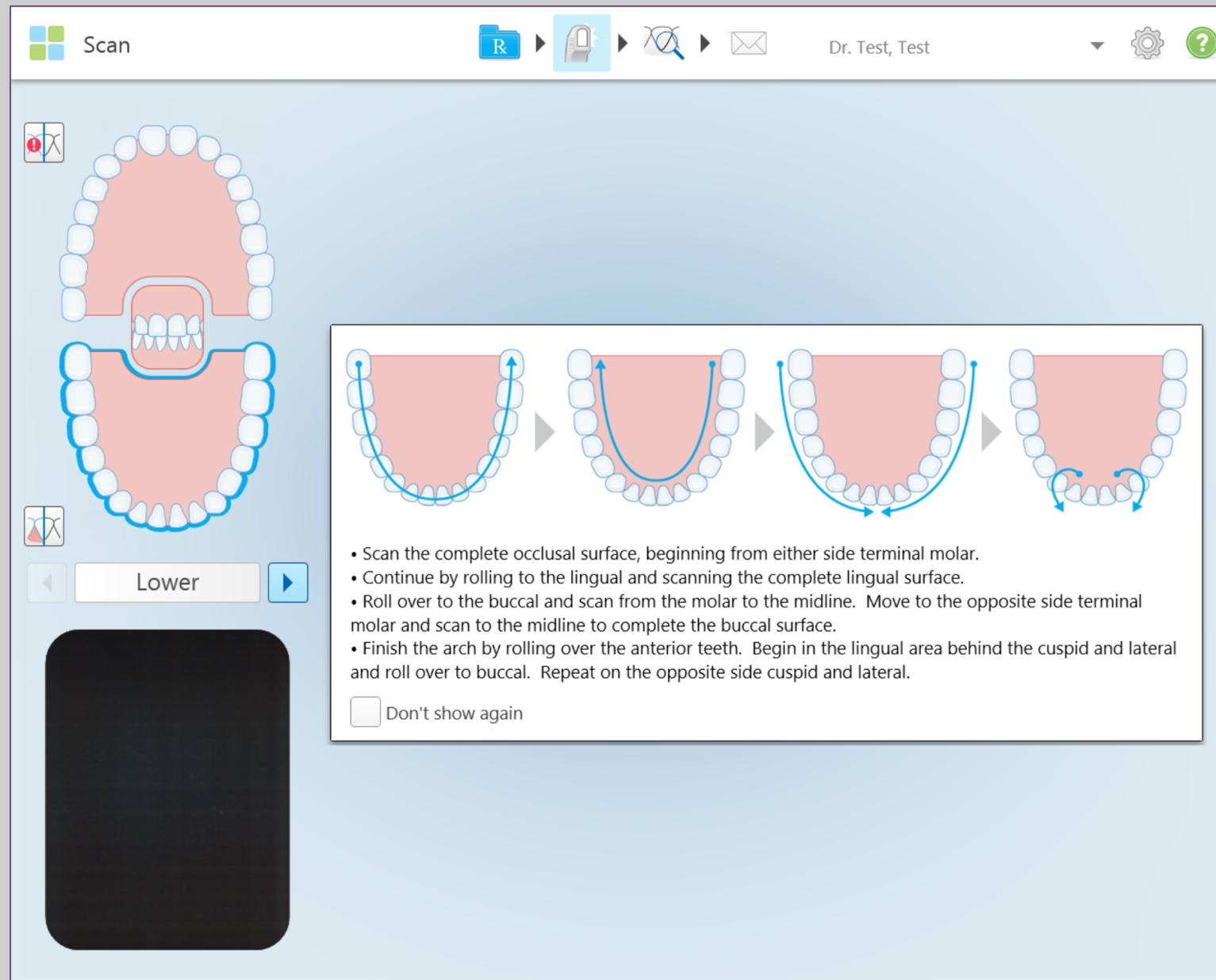


The screenshot shows the 'New Scan' interface. At the top, there is a header with 'New Scan' on the left, a navigation bar with icons (a folder with 'R', a scanner, a magnifying glass, and an envelope), and 'Dr. Wilson, Jill' on the right. Below the header, there are input fields for 'Doctor: Dr. Wilson, Jill', 'License: * 1234...', 'First Name: * Test', 'Last Name: * Test', and 'Chart #:'. A 'Case Type: * iRecord' dropdown menu is open, showing options: 'iCast', 'iRecord', 'Invisalign', 'Vivera', 'Vivera Pre-Debond', 'Invisalign + iRecord', 'Chair Side Milling', and 'Restorative'. A yellow warning banner reads 'Patient already exists - additional scans will be added to existing patient's records.' Below this is a 'Notes' section with an 'Add Notes' button.

There are several Case Types to choose from.

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

Invisalign Scanning Protocol - Guidance Hints

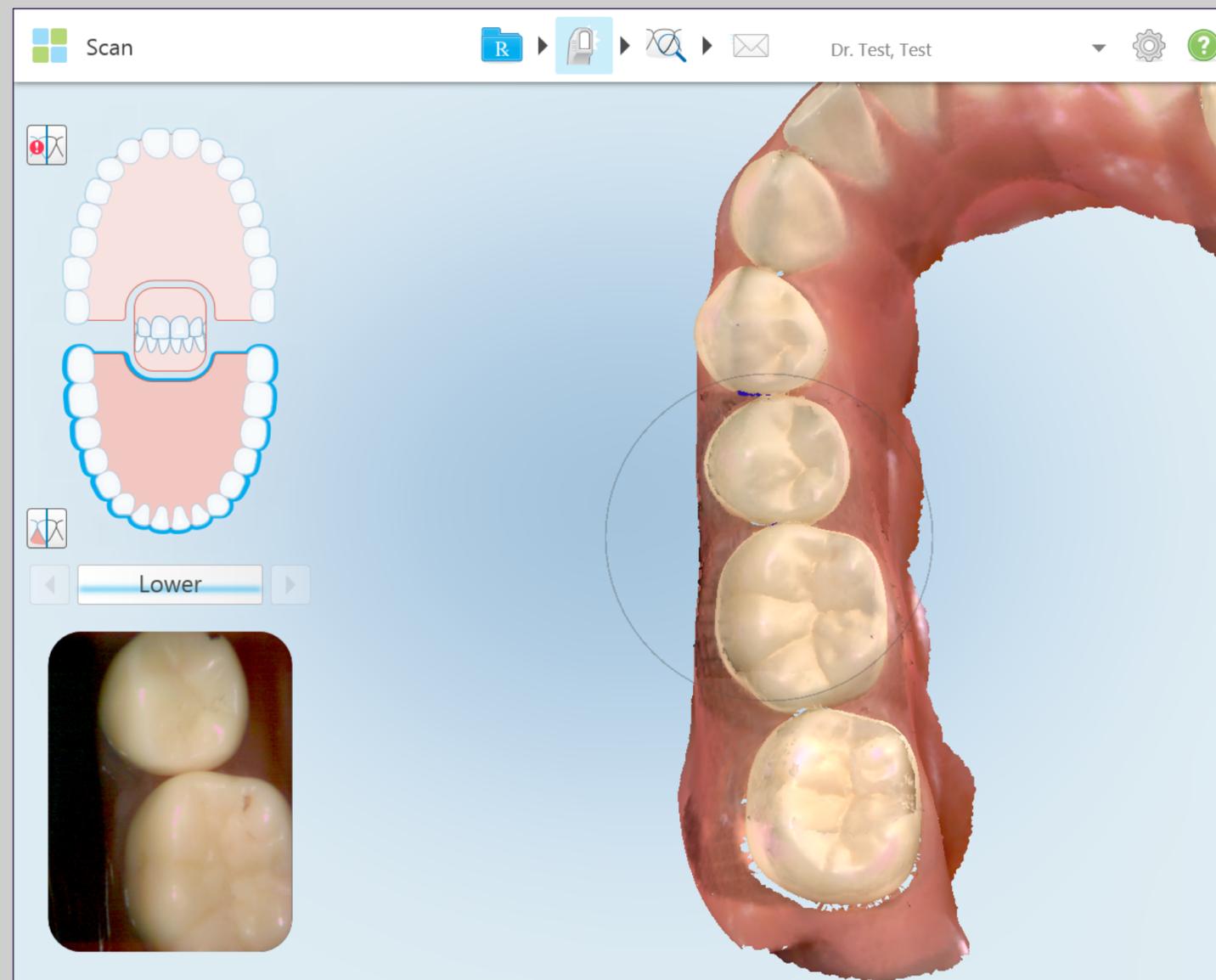


The iTero Element scanner offers Guidance Hints that helps recall the scanning sequence.

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

Reactivate the Guidance Keys in the Settings gear icon.

Occlusal (Upper or Lower Arch First is Optional)

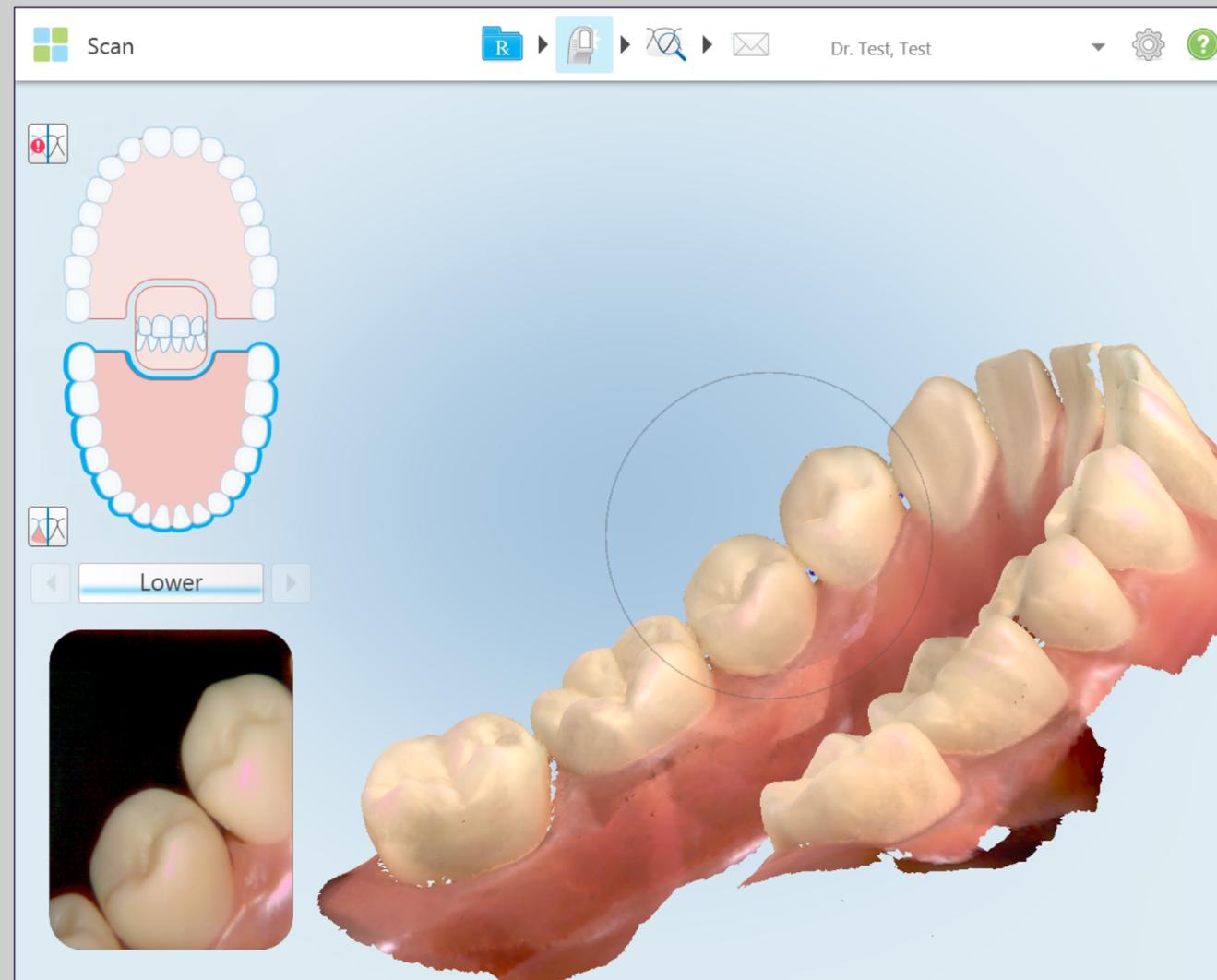


Scan the occlusal surface in a single continuous motion.

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.

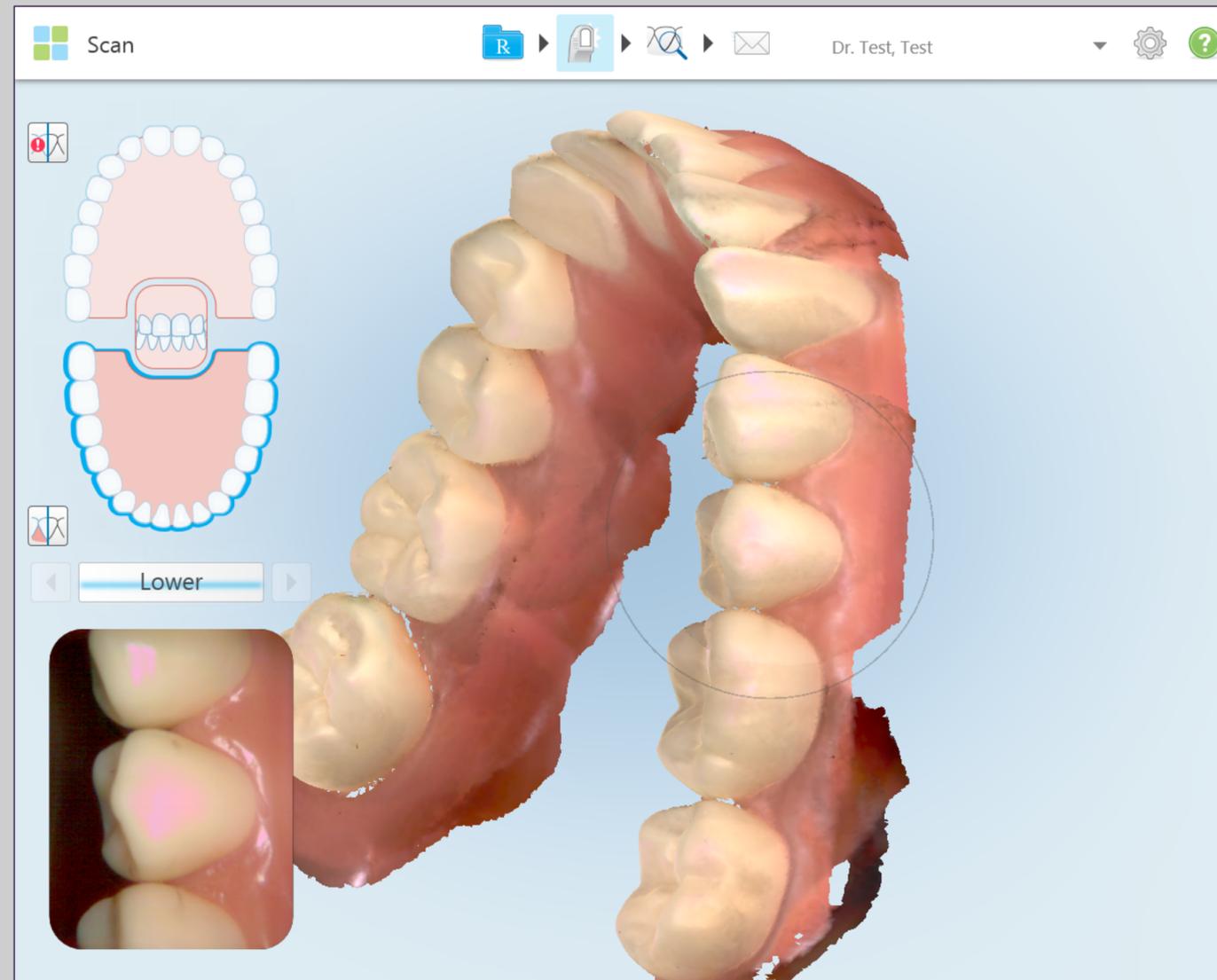
Lingual



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.

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.

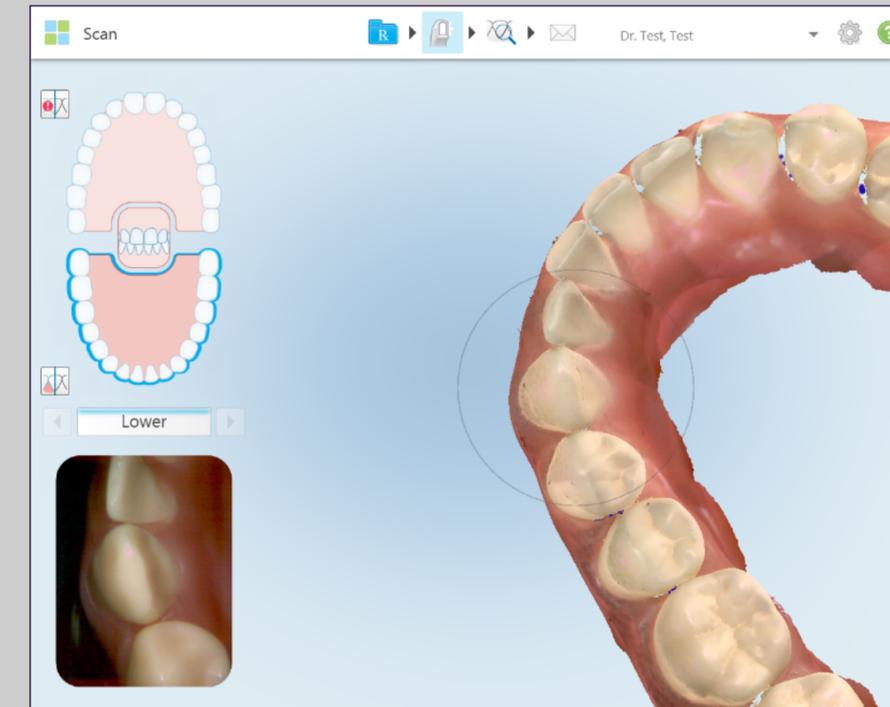
After crossing the midline, begin on the contralateral terminal tooth and continue with the same rocking motion to capture the buccal surface from the posterior to the anterior.

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

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.

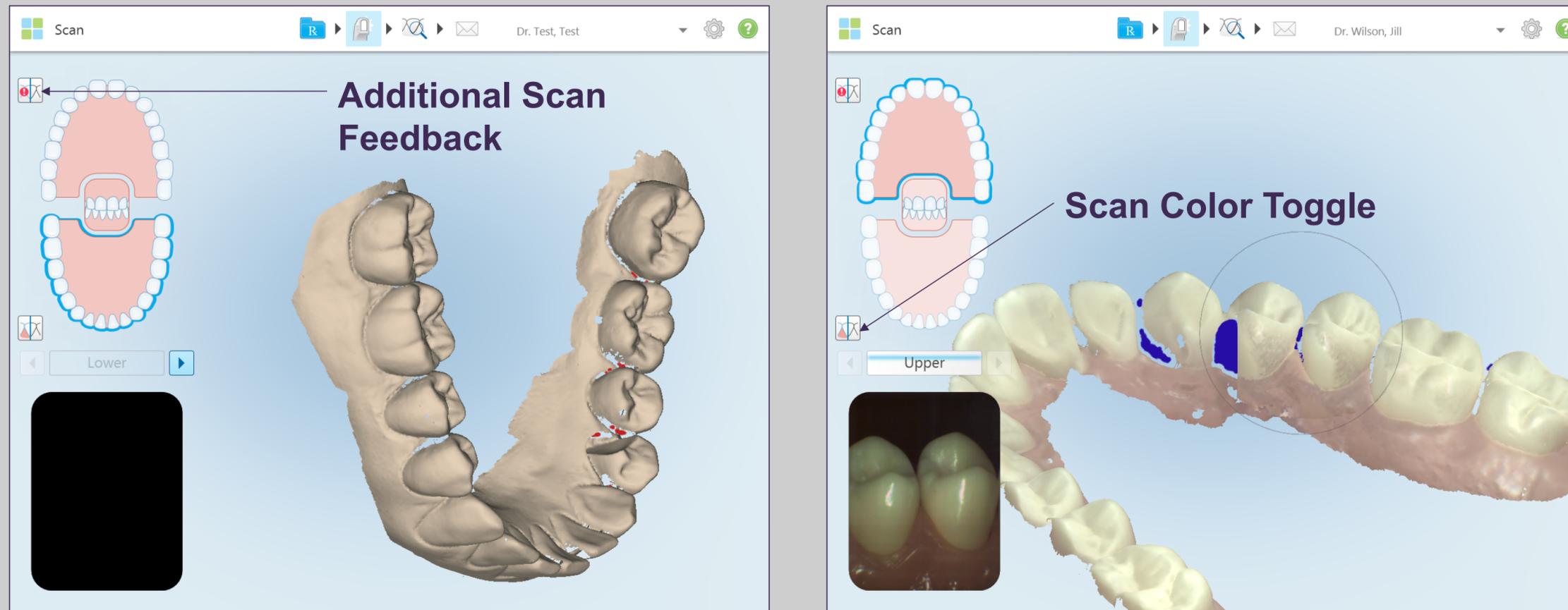
Repeat this step on the contralateral side.



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

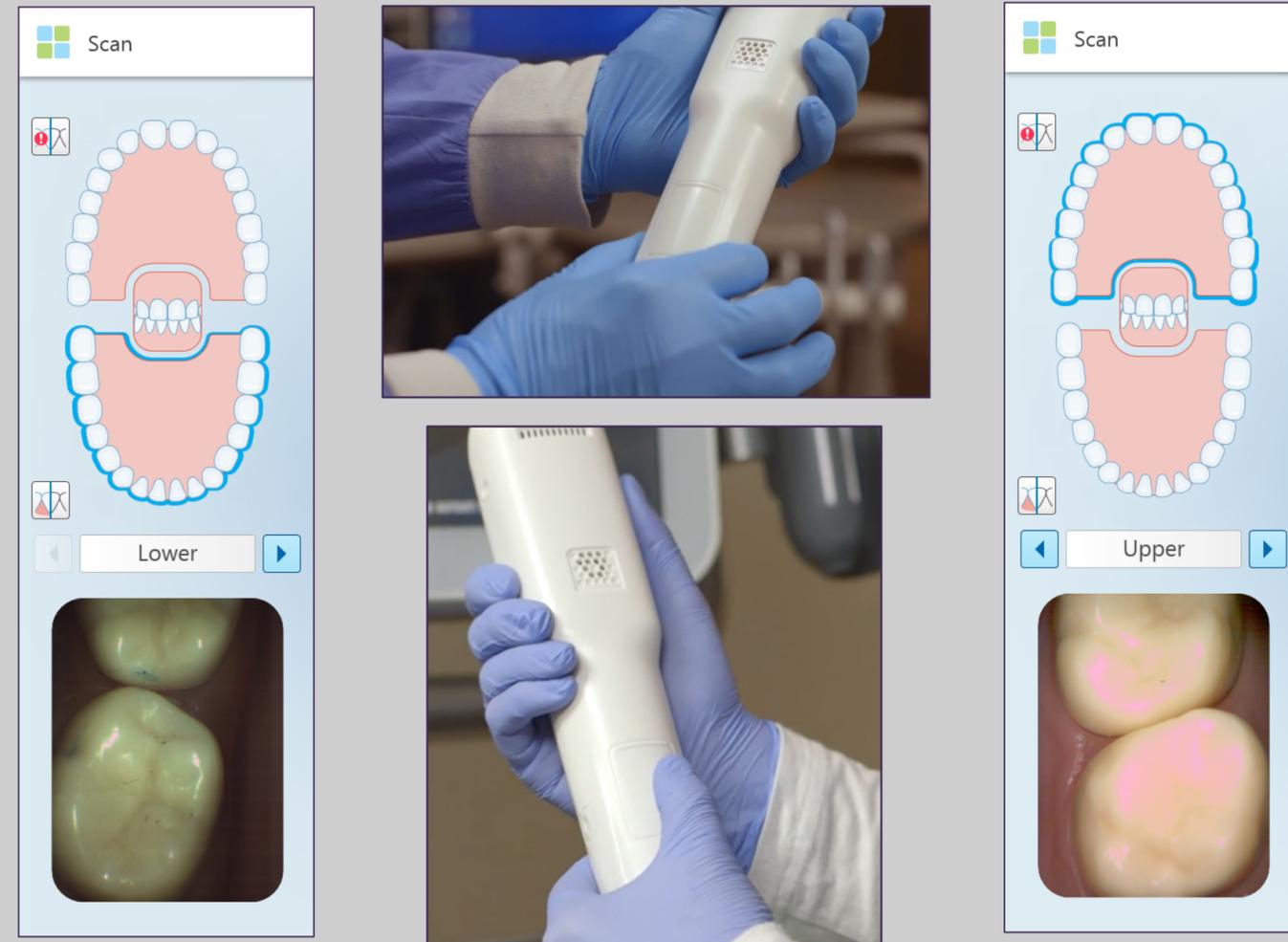
This step is critical for properly fitting Invisalign clear aligners.

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.

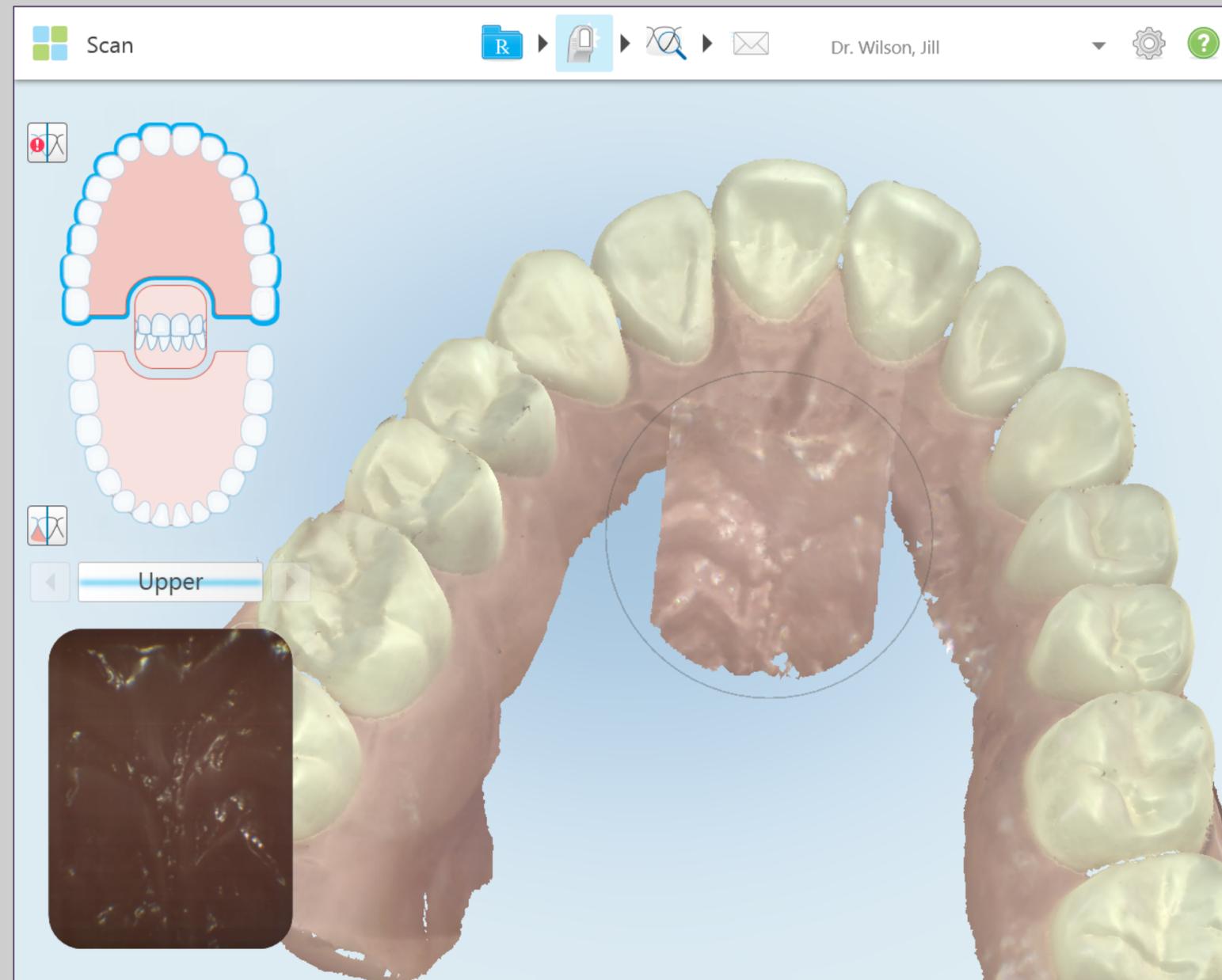
Switching to Opposing Arch



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.

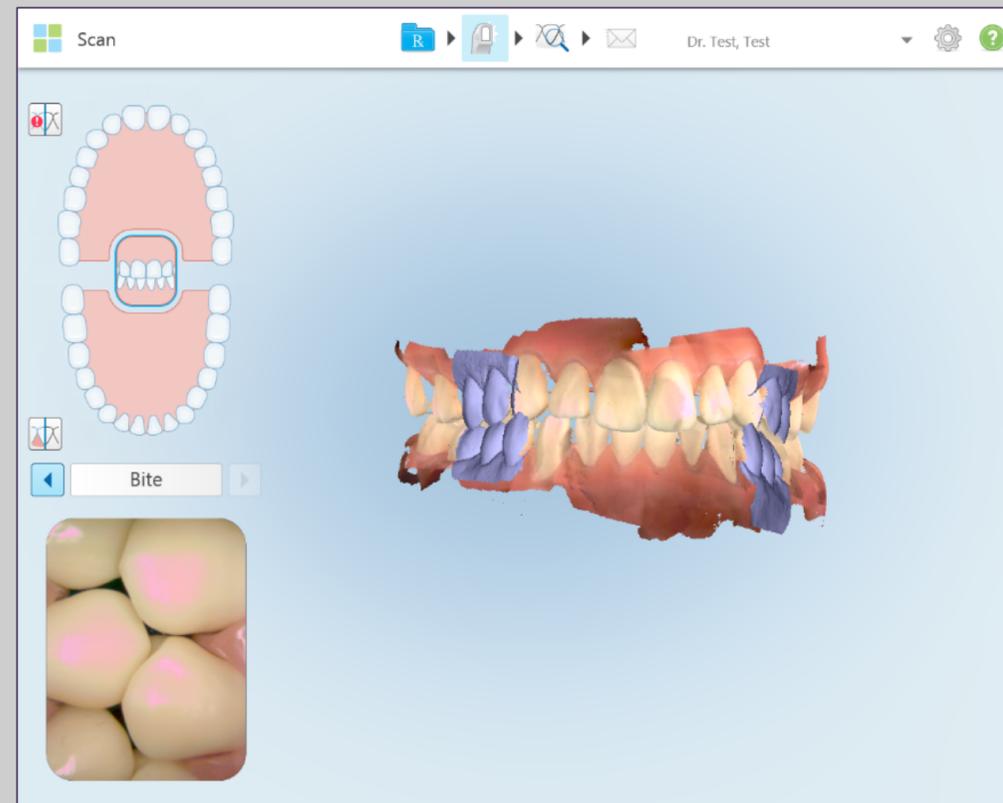
Scanning the Palate



- 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

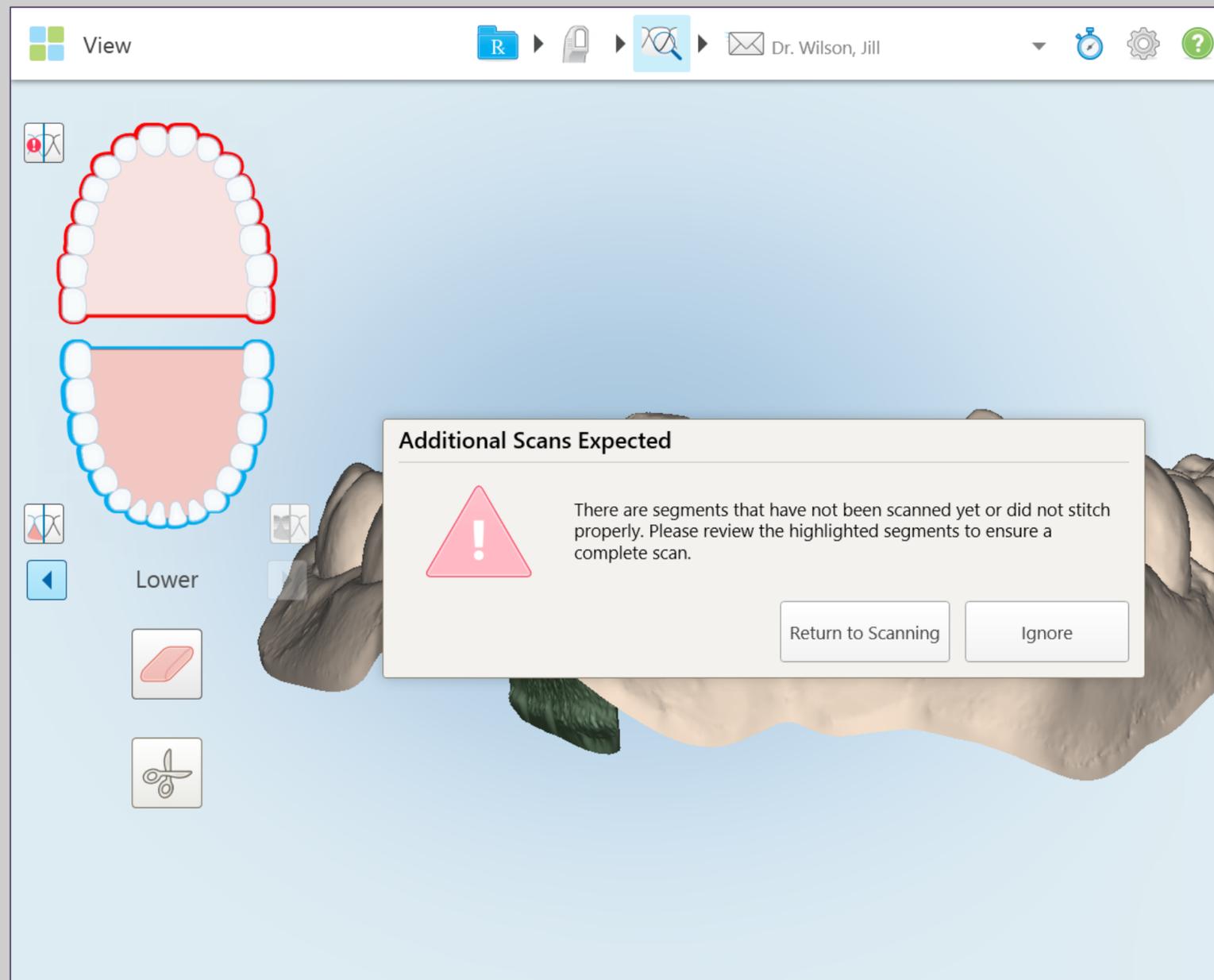
Bite

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.

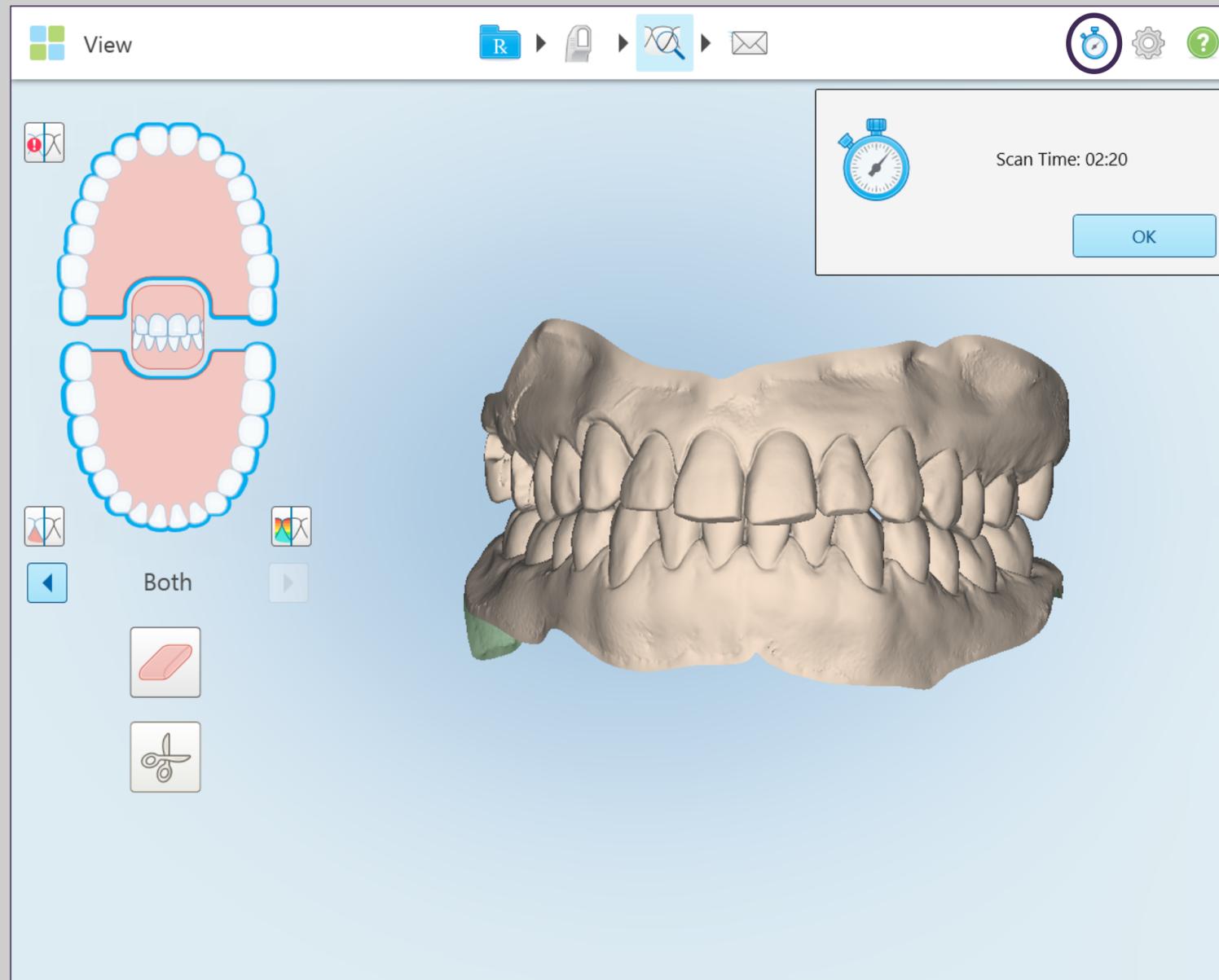
Missing Scan Segments



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**

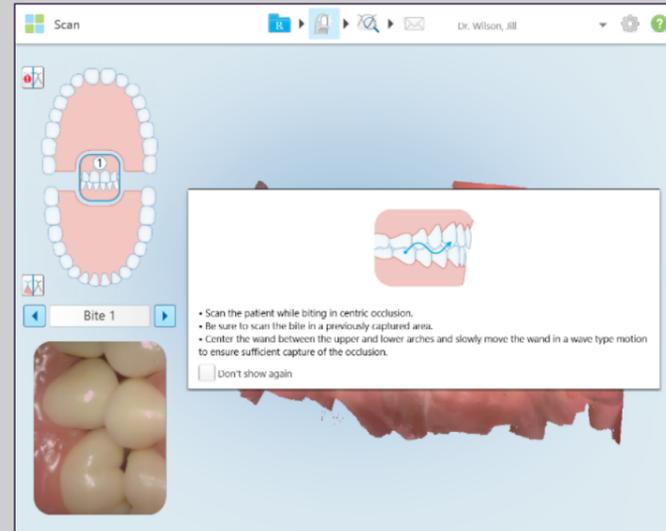
Scan Timer



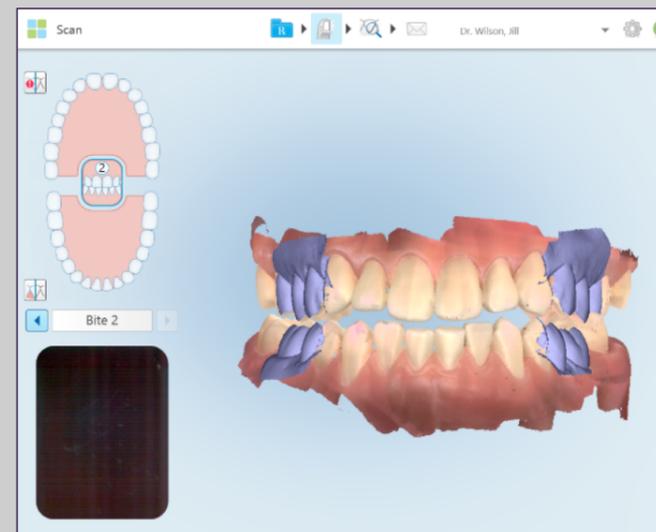
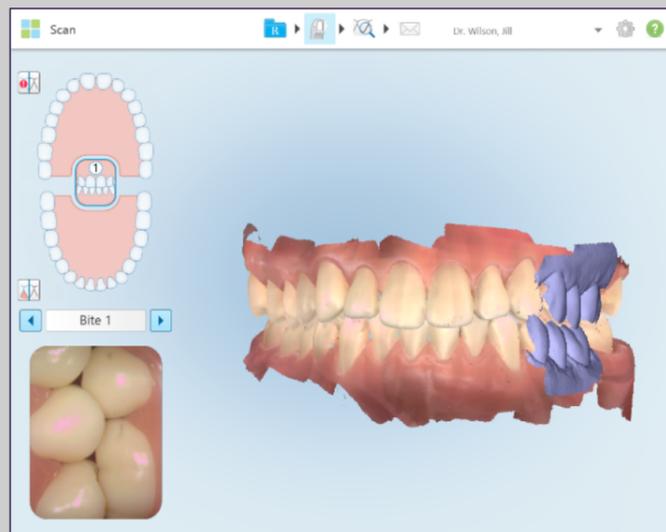
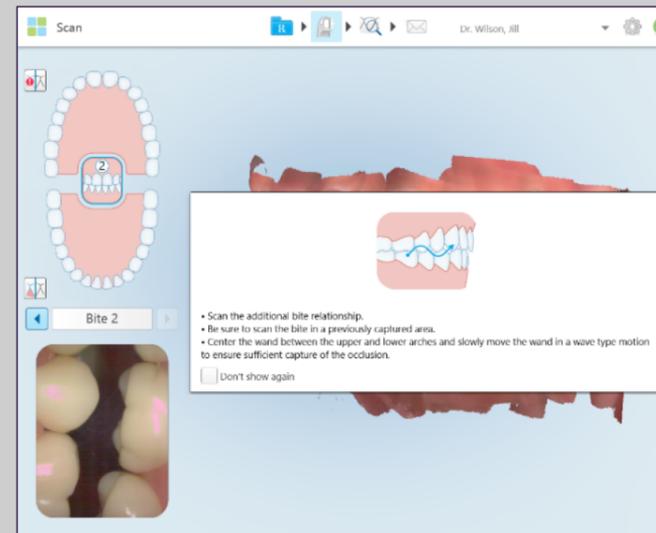
After you are done scanning, you can use the Scan Timer icon to view your scanning time.

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.

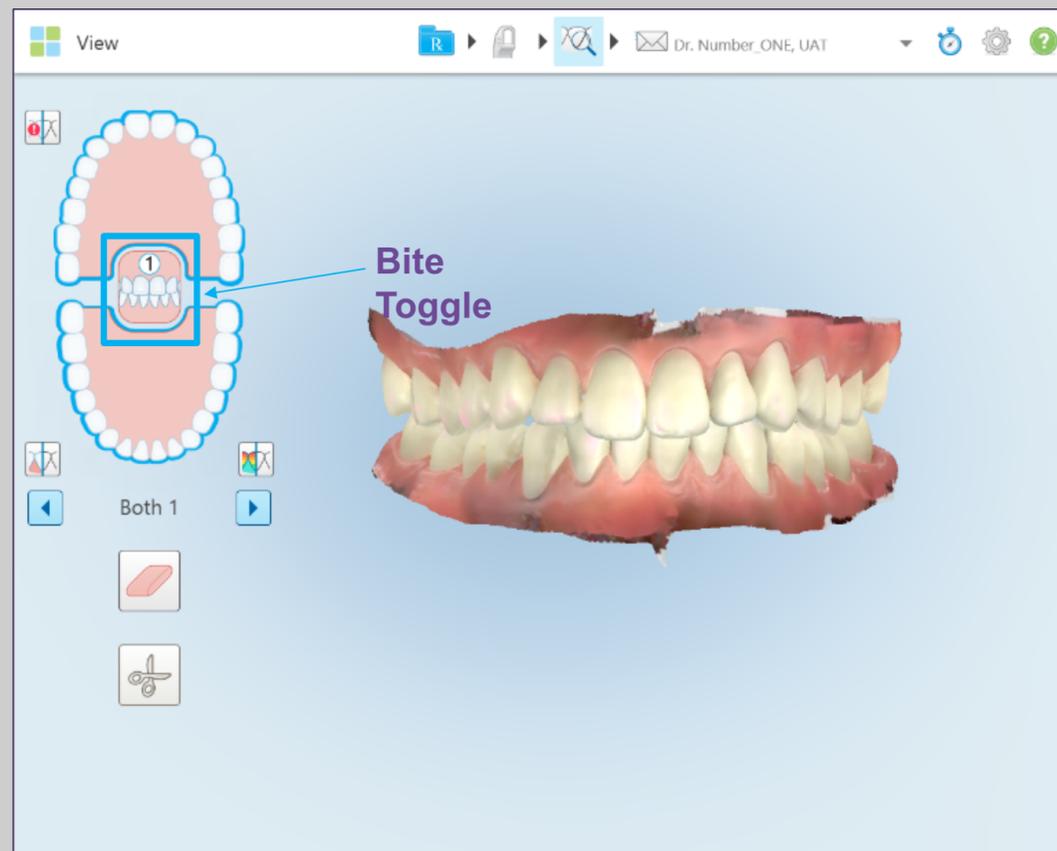
Some examples are:

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

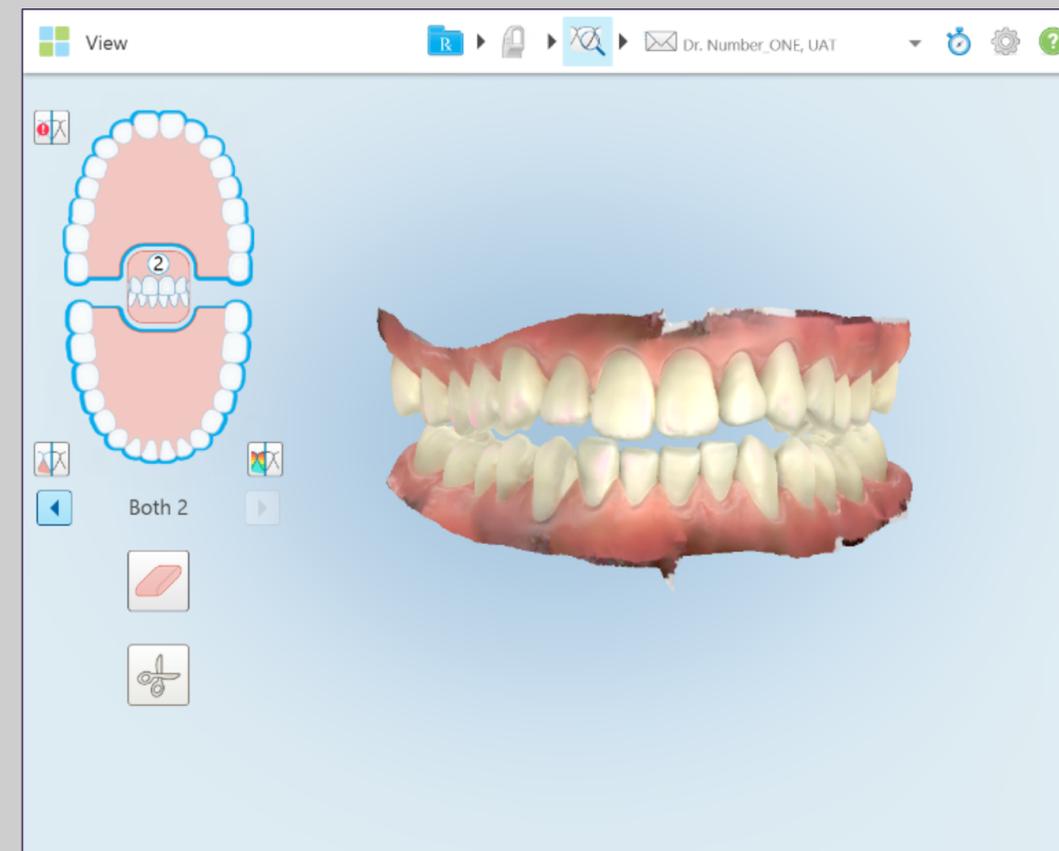
The segments will be registered as always as purple scans at the bicuspid and molar area.

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.

iTero TimeLapse

The screenshot displays the iTero TimeLapse software interface for a patient named "Demo, Gingival". The interface is divided into several sections:

- Patient Information:** Name (Demo, Gingival), Chart Number (GD1234), and Last Scan (03/21/2017). A "New Scan" button is located below this information.
- Orders Table:** A table with columns for ID, Scan Date, Case Type, and Status. Two orders are listed, both with a checkmark in the ID column, indicating they are selected.
- Timeline:** A horizontal timeline showing two scan events on 03/21/2017, each with a checkmark. A red box highlights these two events.
- Comparison Tool:** A "Compare Selected" button is located at the bottom right of the interface.

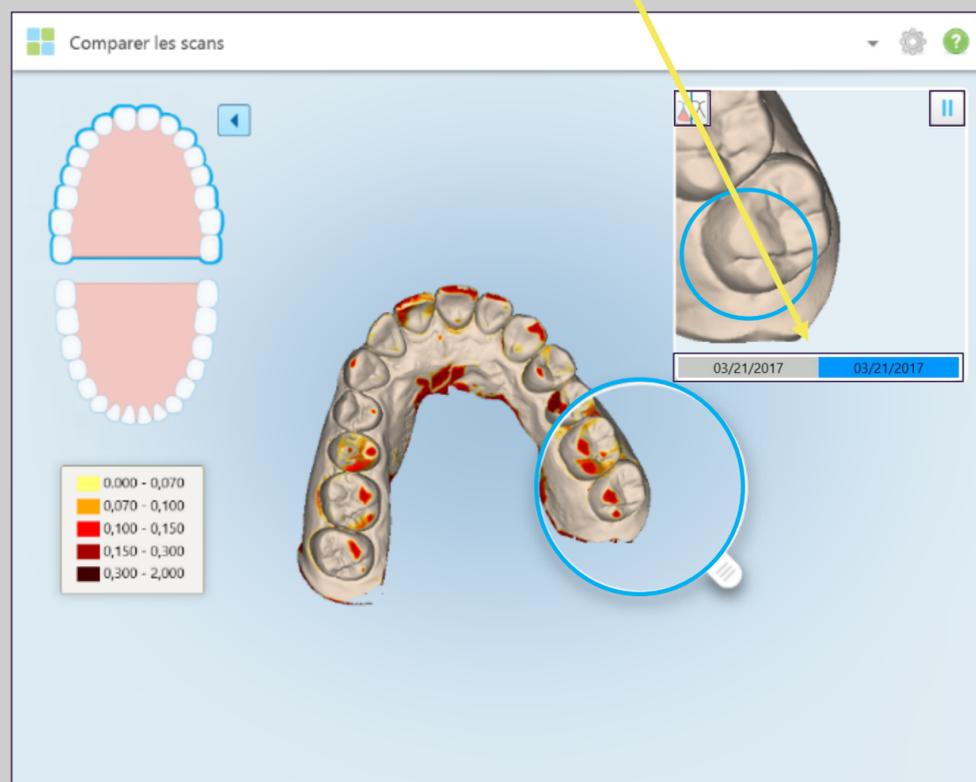
ID	Scan Date	Case Type	Status
<input checked="" type="checkbox"/> 11324322	03/21/2017	iRecord	Completed
<input checked="" type="checkbox"/> 11324306	03/21/2017	iRecord	Completed

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.

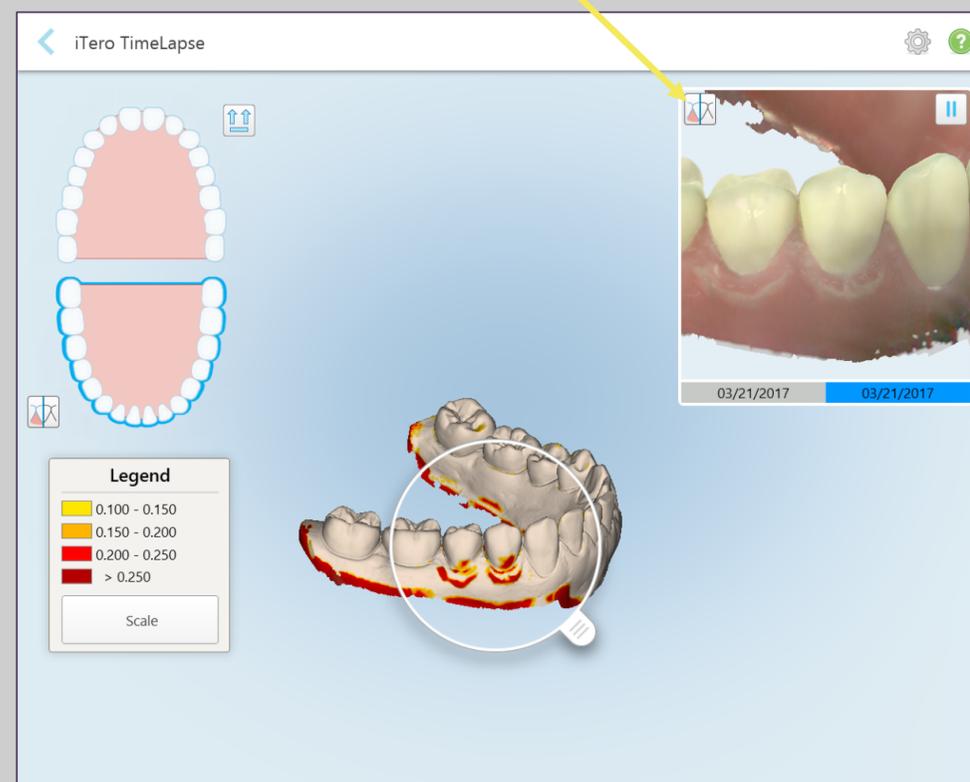
iTero TimeLapse

Animated Timeline



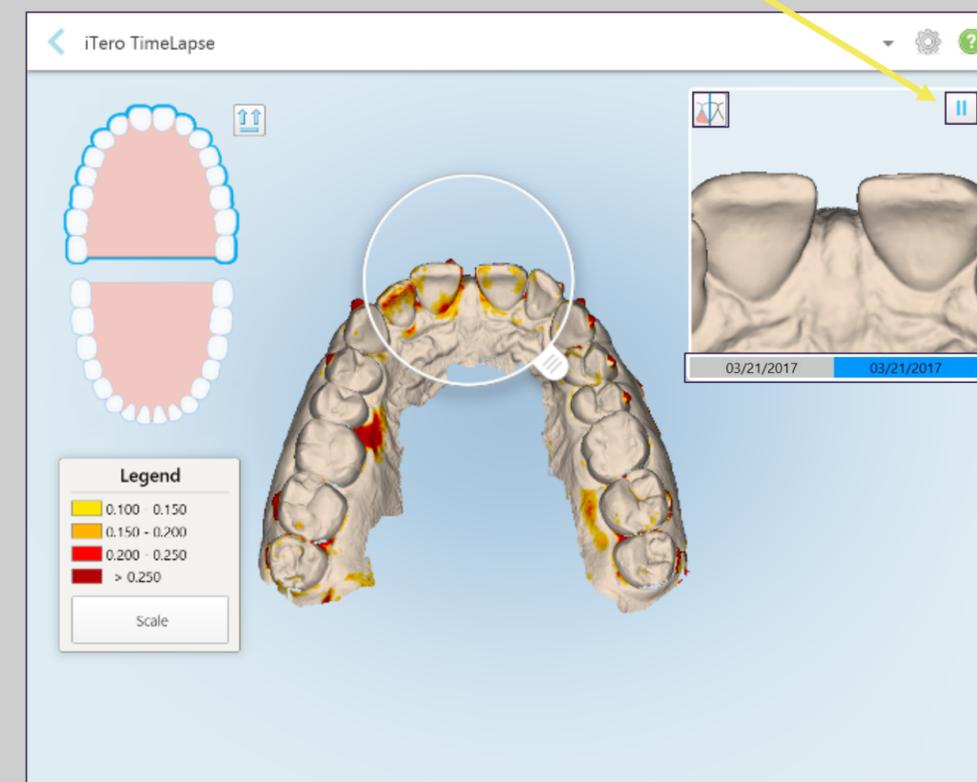
Tooth Wear

Color Toggle



Gingival Recession

Play/Pause animation

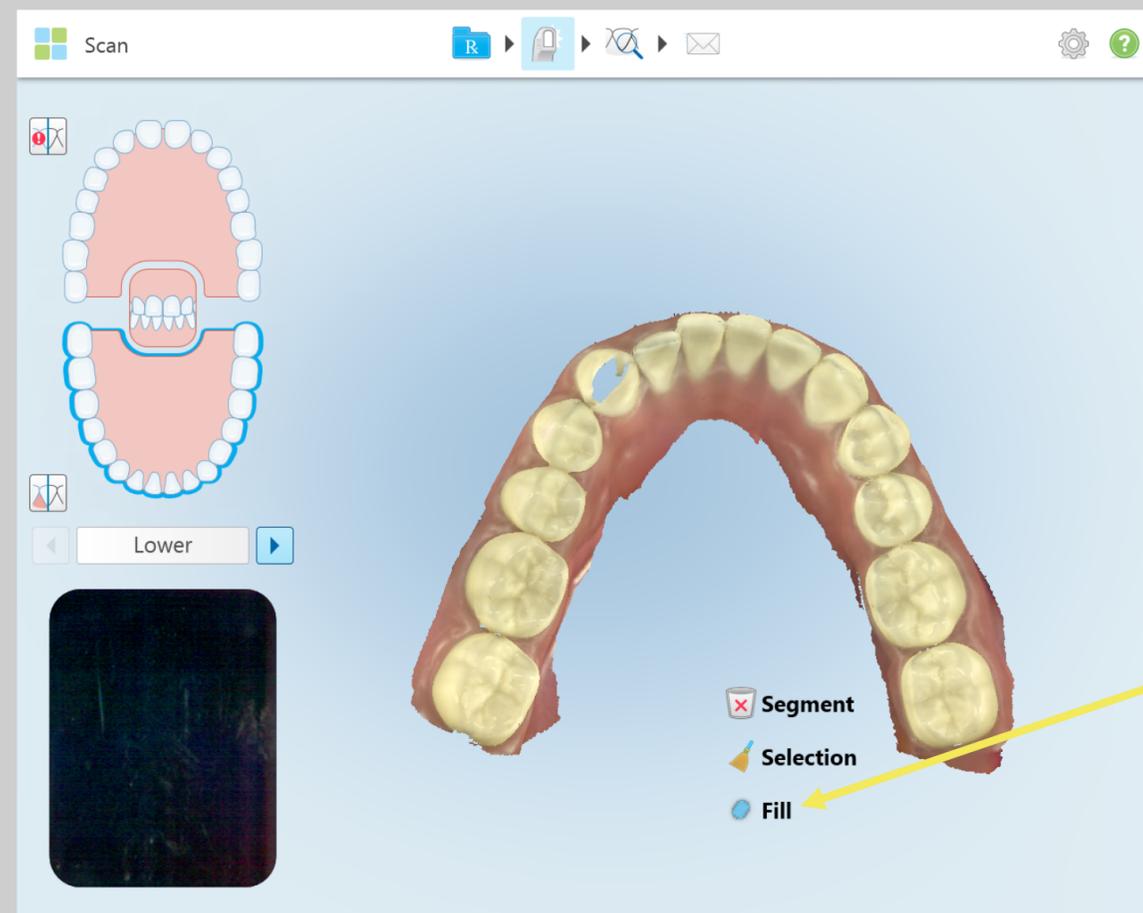


Tooth Movement

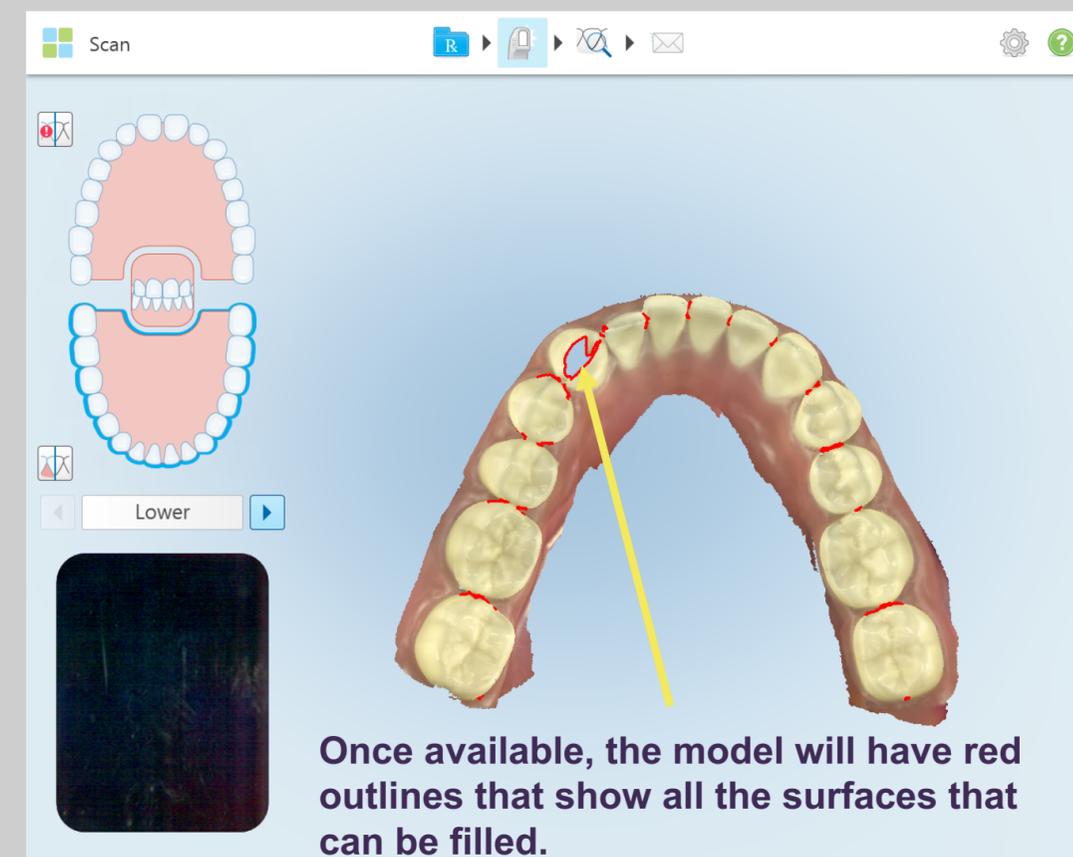
Fill Mode

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.

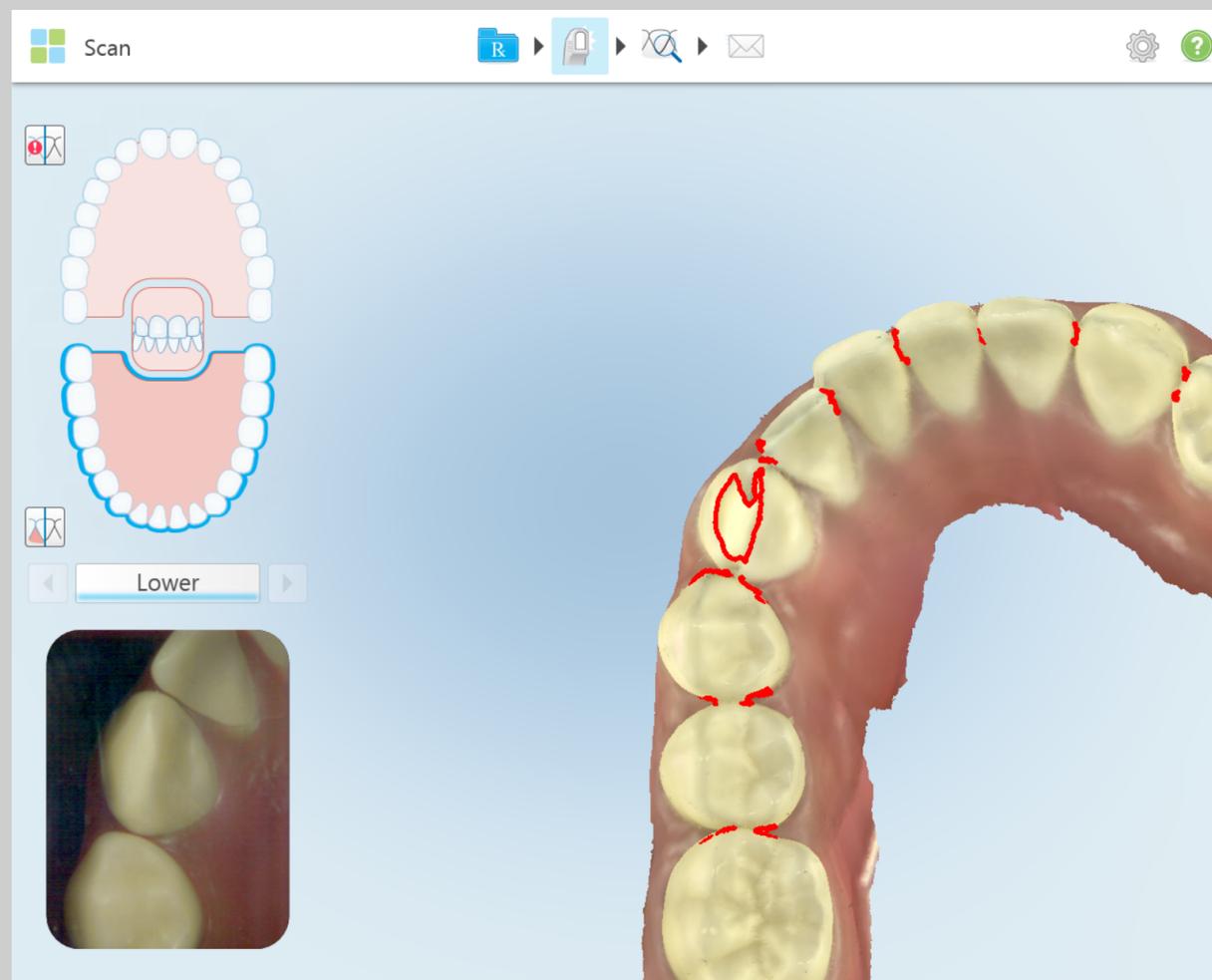


2. Select the "Fill" option. Depending on the number of scans taken, it may take a few moments to prepare the scan for the Fill mode to appear.

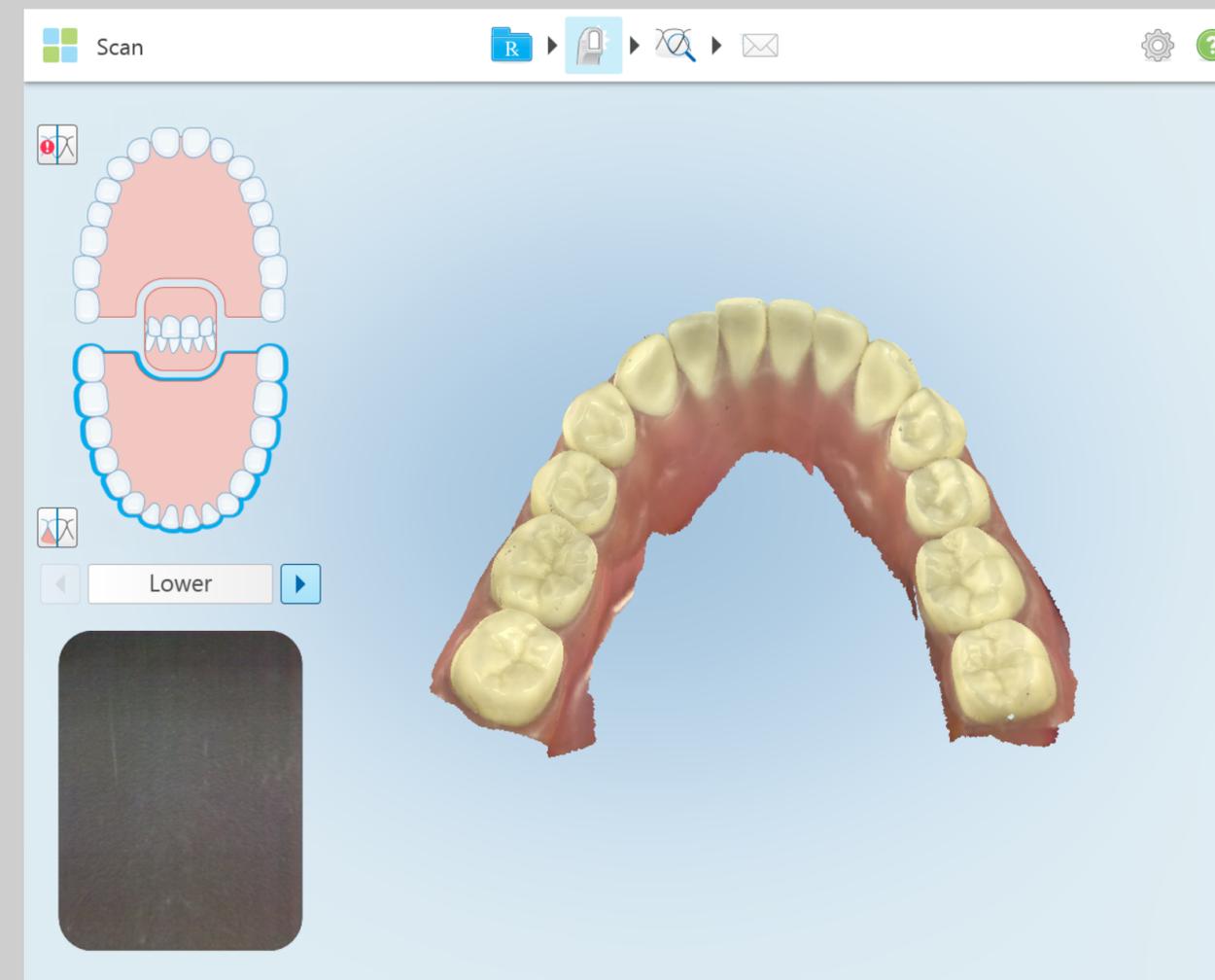


Fill Mode

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.



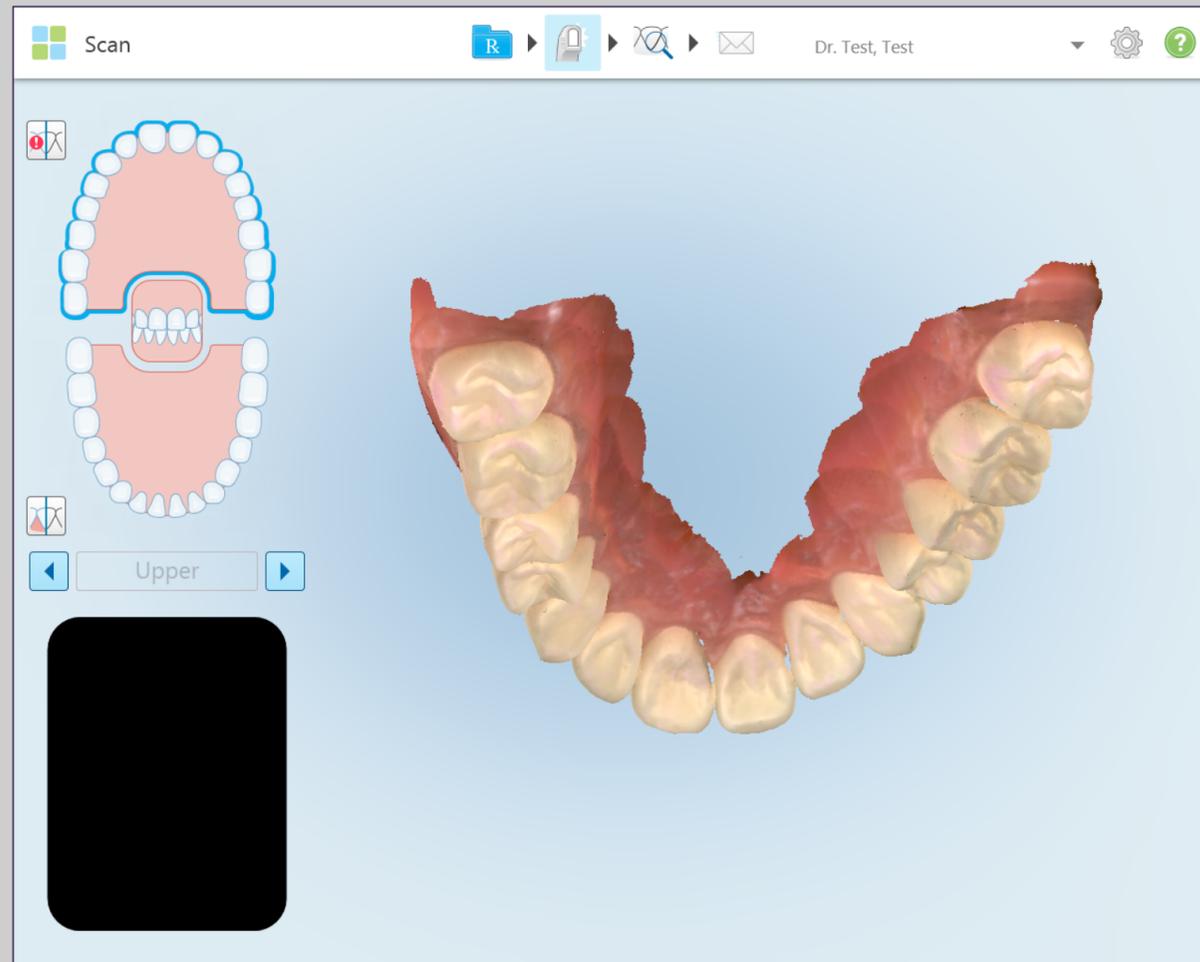
Invisalign Powered by iTero



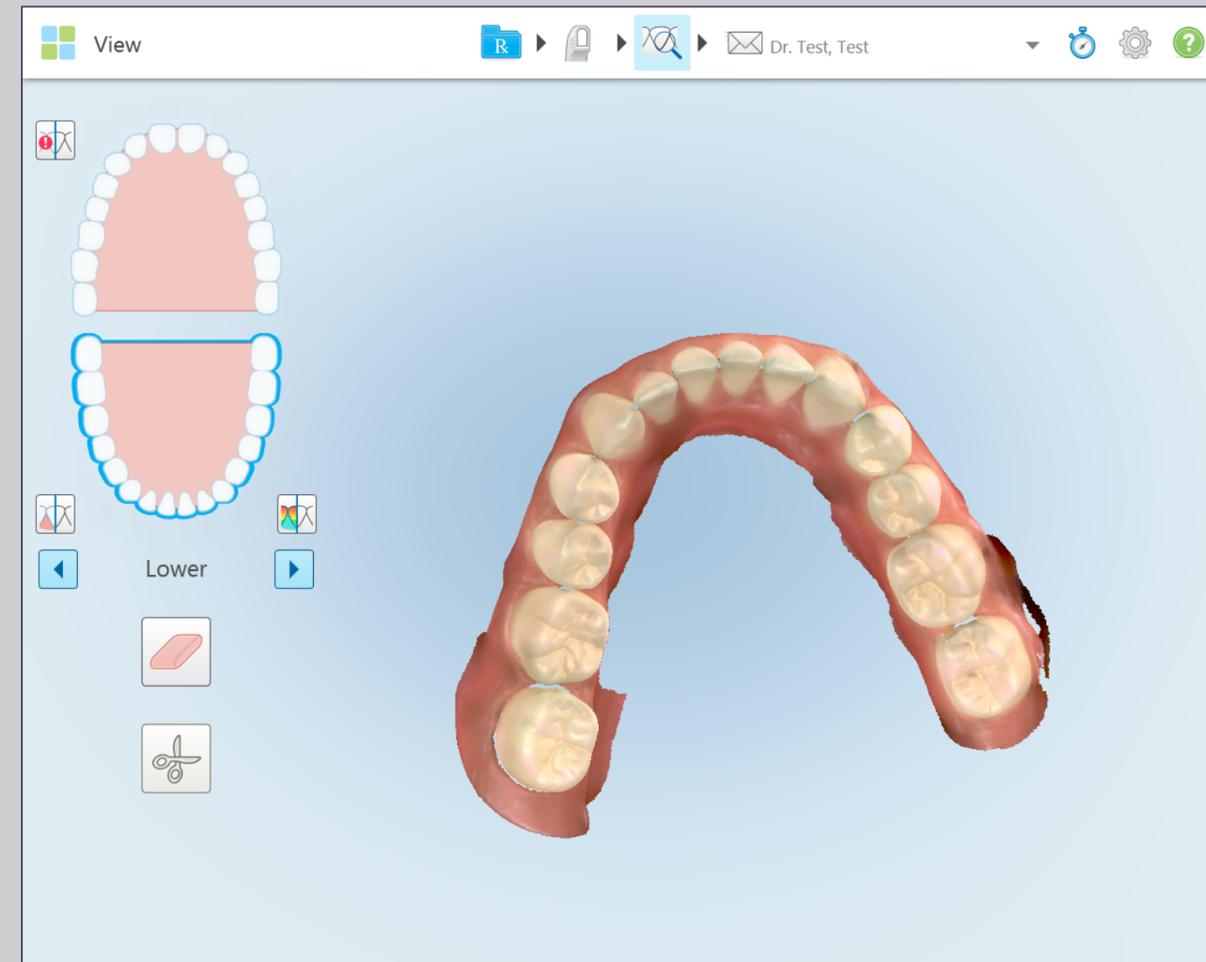
In this section we will cover:
Model evaluation for Invisalign cases
Invisalign Outcome Simulator
Progress Assessment tools.

Evaluate Digital Models

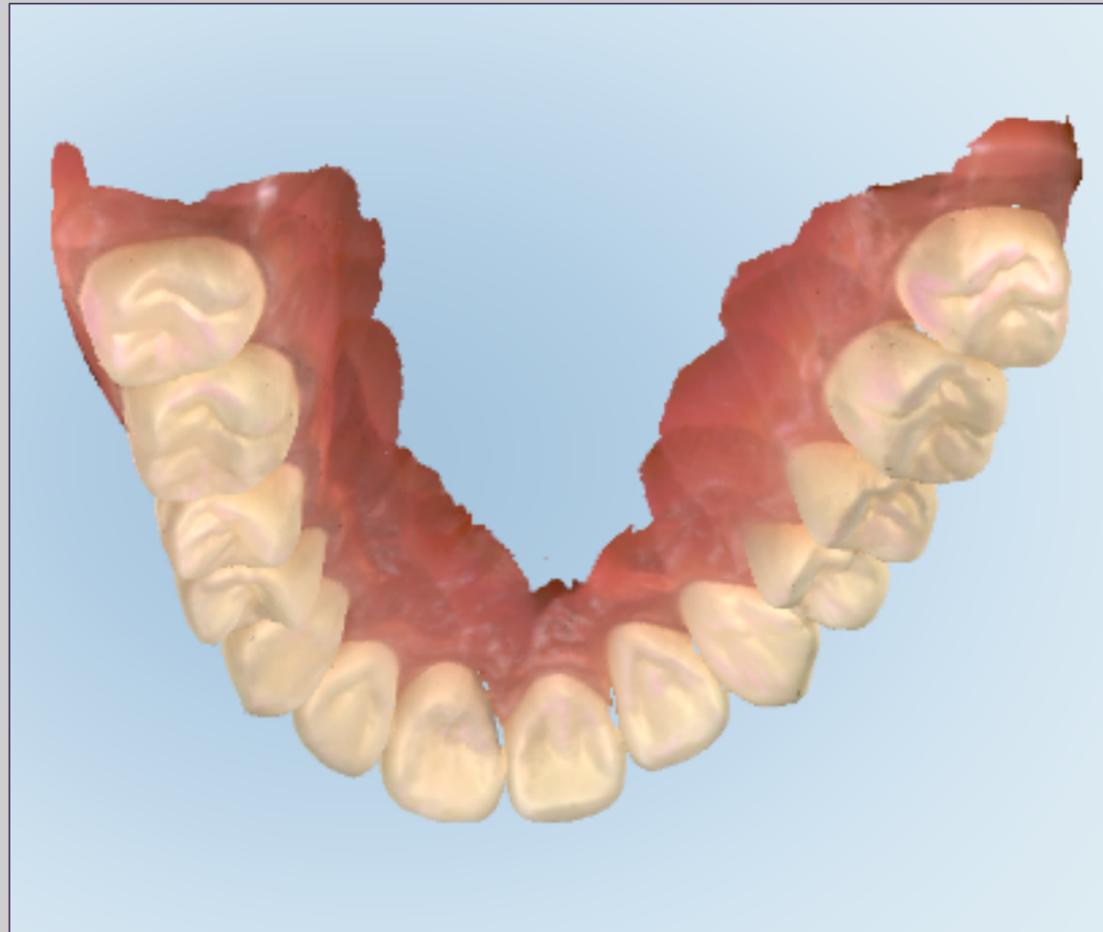
Distal wall of upper terminal teeth.



Distal wall of lower terminal teeth.

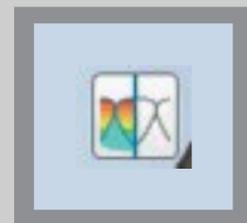
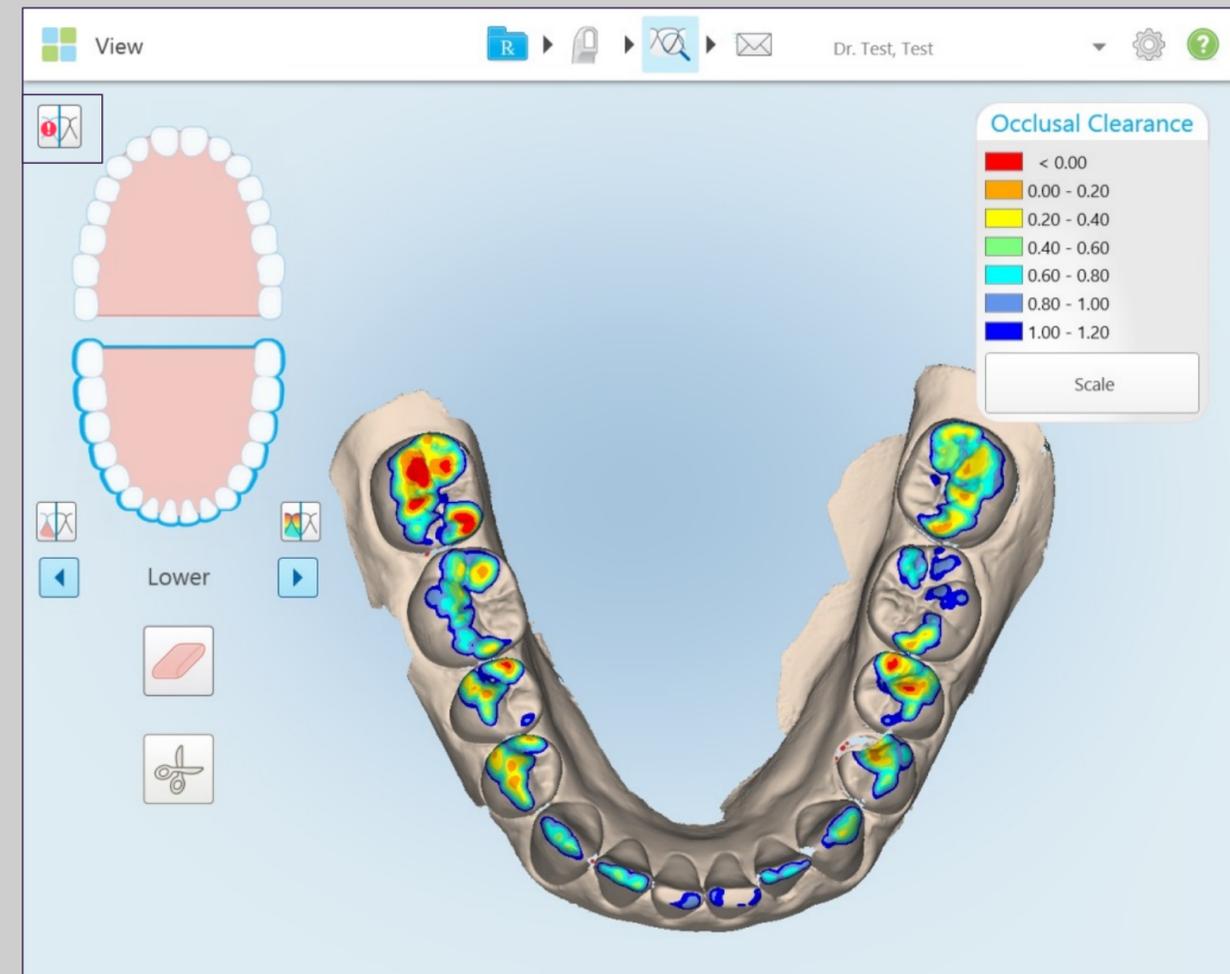
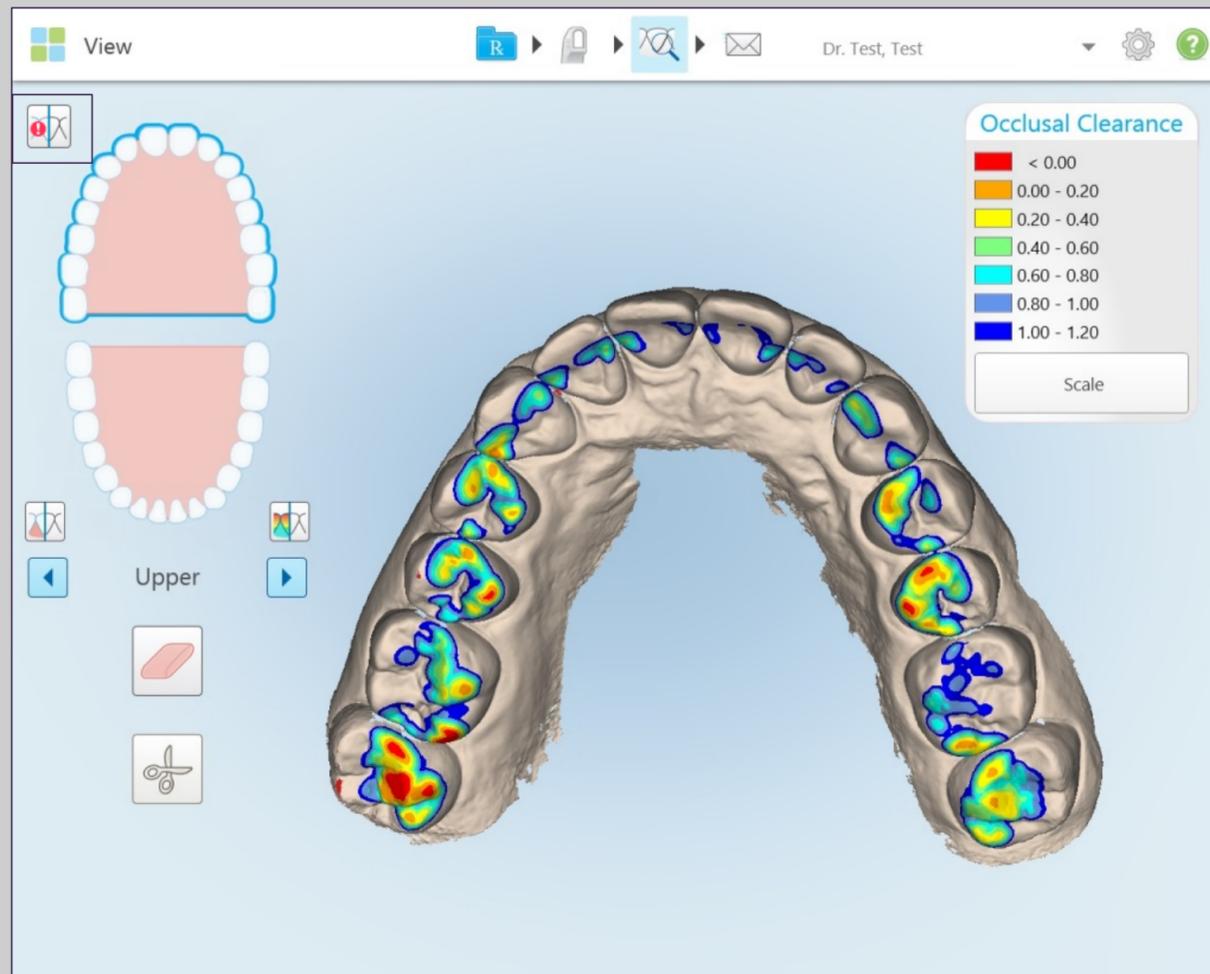


Evaluate Digital Models



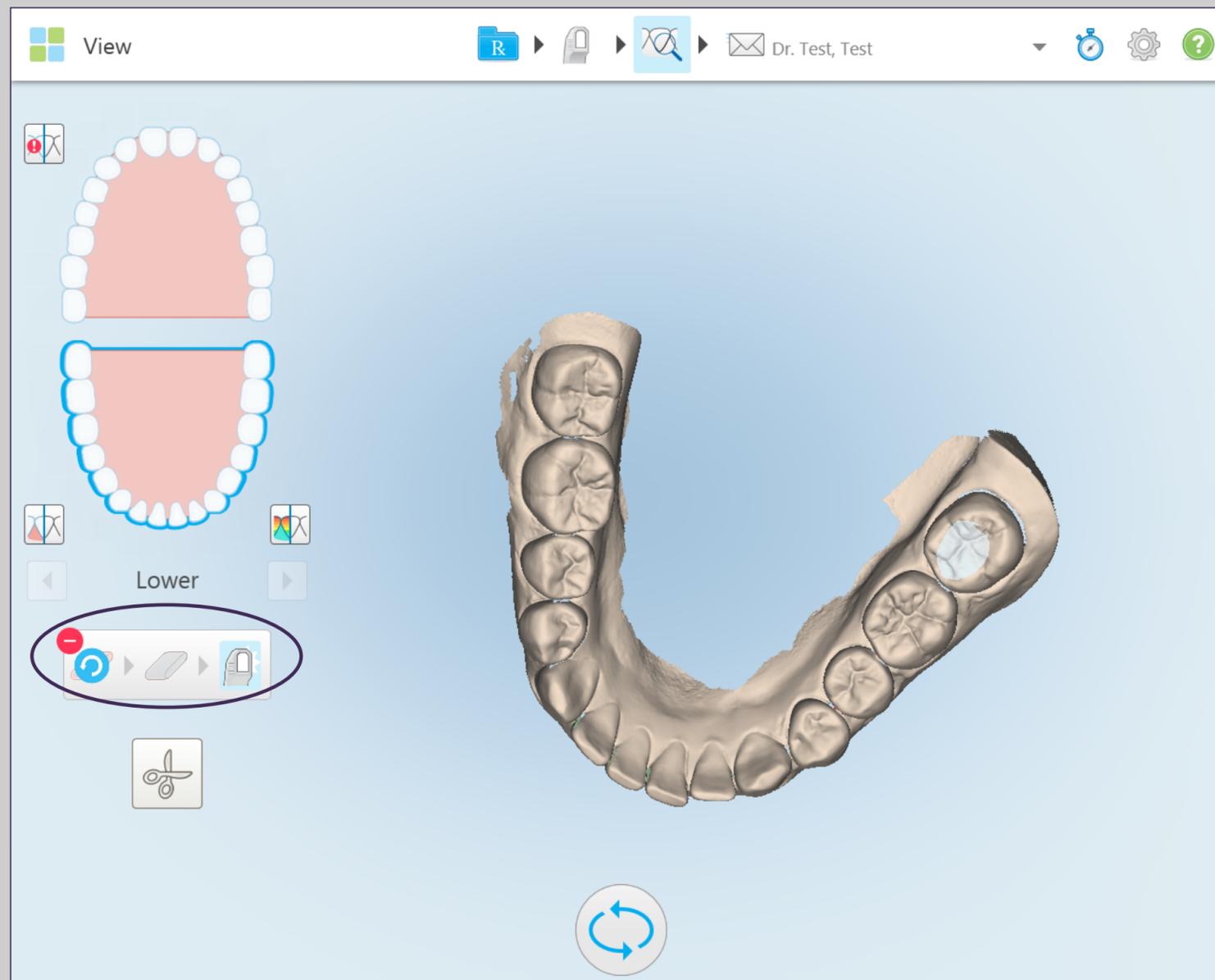
The complete incisal / occlusal surfaces of both mandible and maxilla

Evaluating Digital Model / Occlusal Analysis



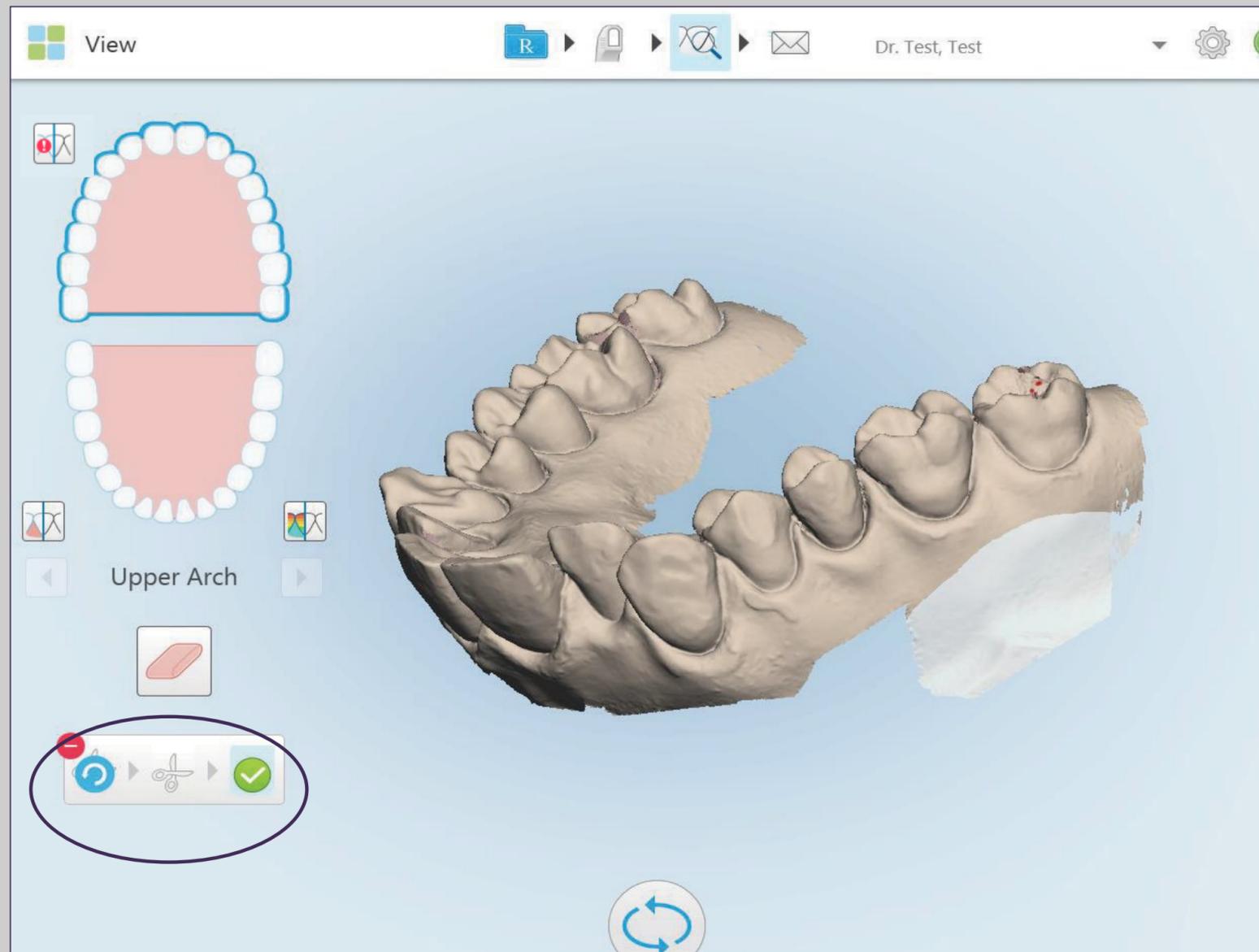
Utilize the Occlusal Clearance legend to determine the distance between opposing teeth.

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

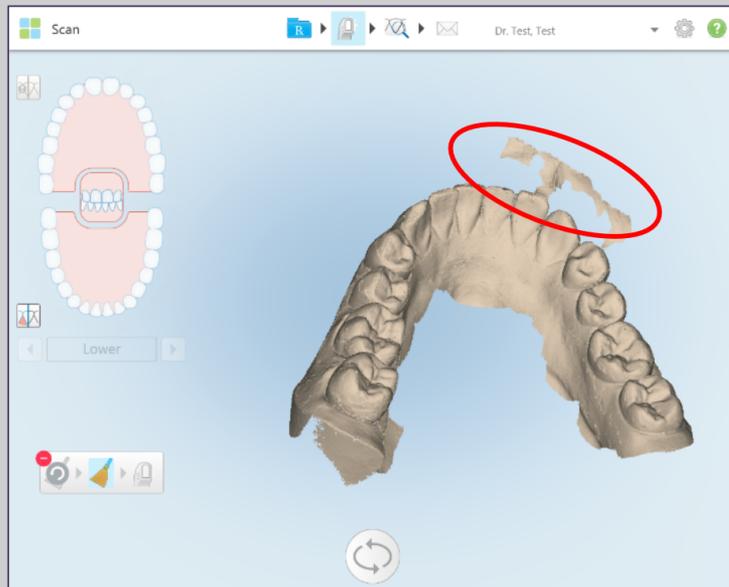
Using Trim Tool



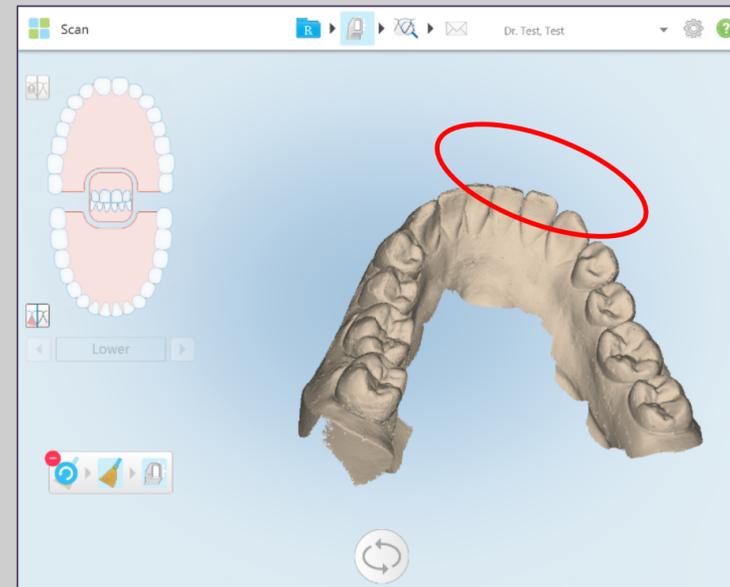
Use the Edge Trim tool if there is excessive cheek or lip artifacts that should be removed from the scan

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

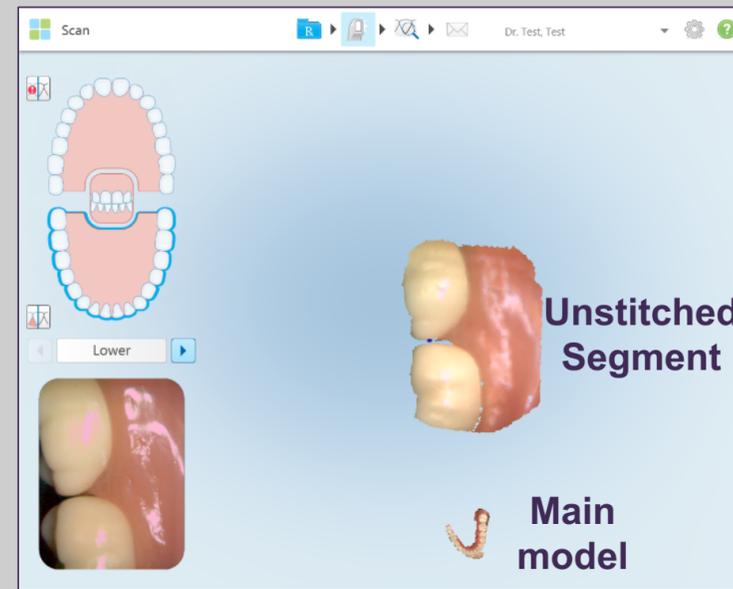
Tools – Deleting a Scan



Remove an artifact (soft tissue)



Wrong jaw scanned



Tooth anatomy not stitching

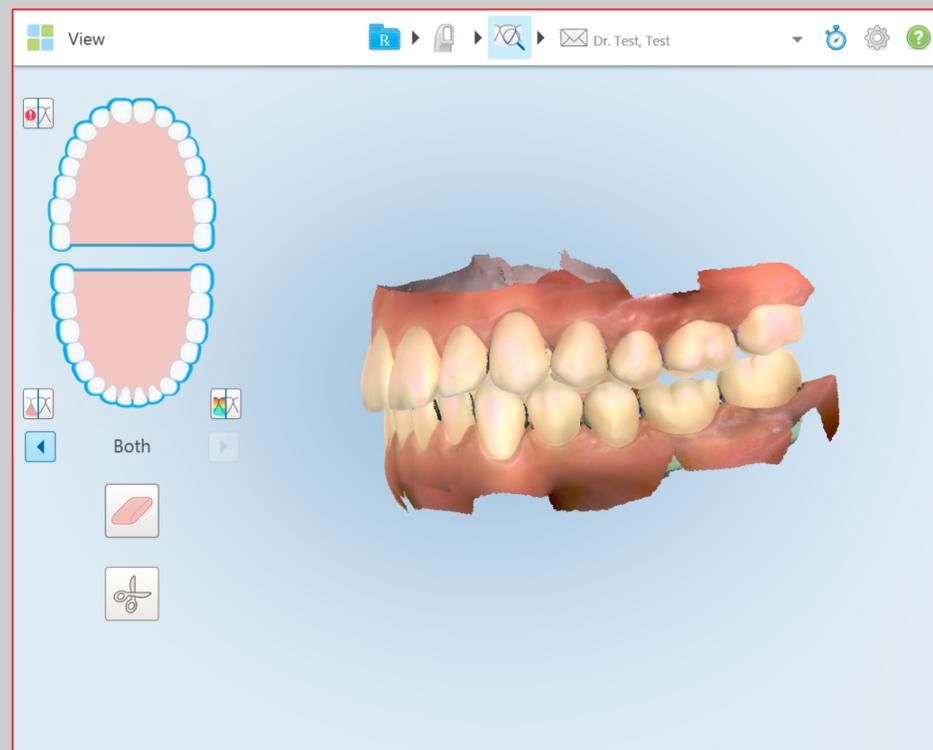
Available in scan mode

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

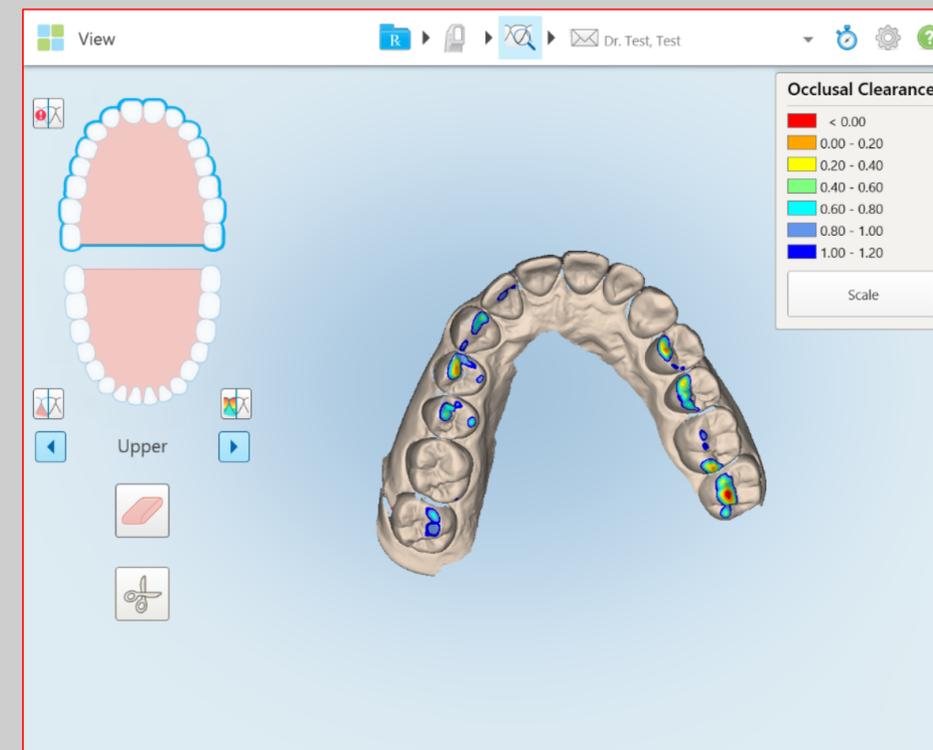
Tools – Deleting a Scan and Correcting the Bite

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.

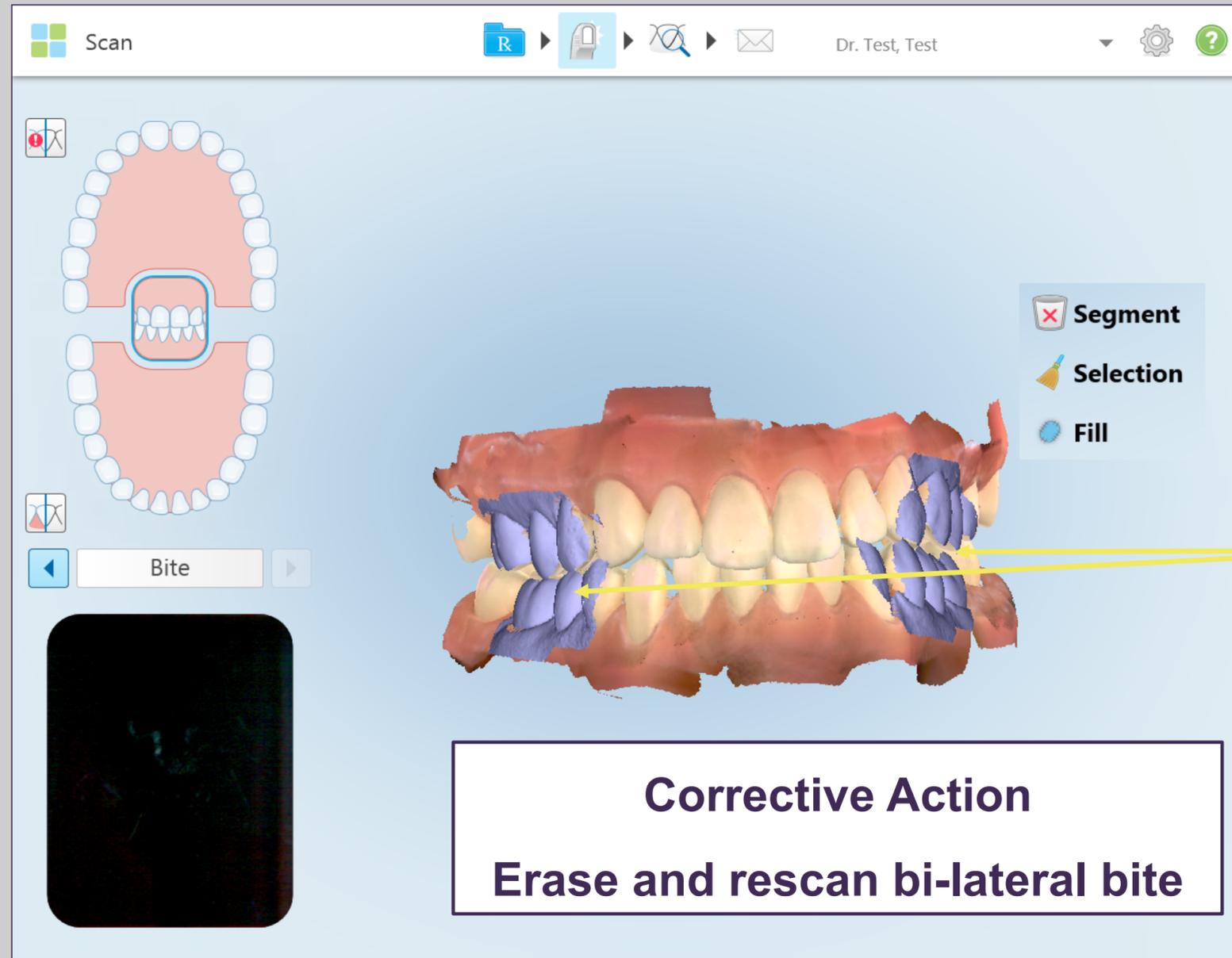


Incorrect bite registration



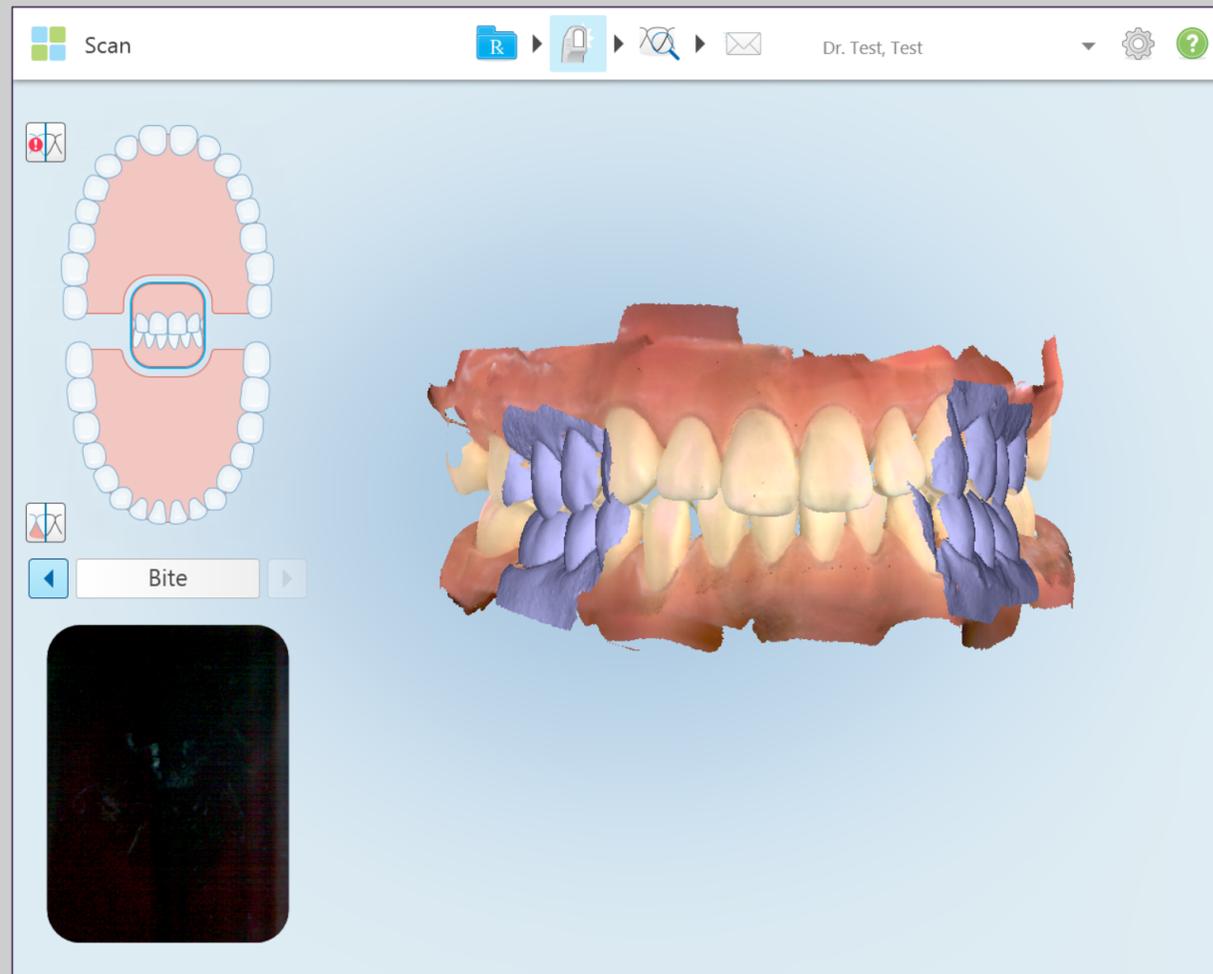
**Occlusogram display
Poor contacts**

Tools – Deleting a Scan and Correcting the Bite

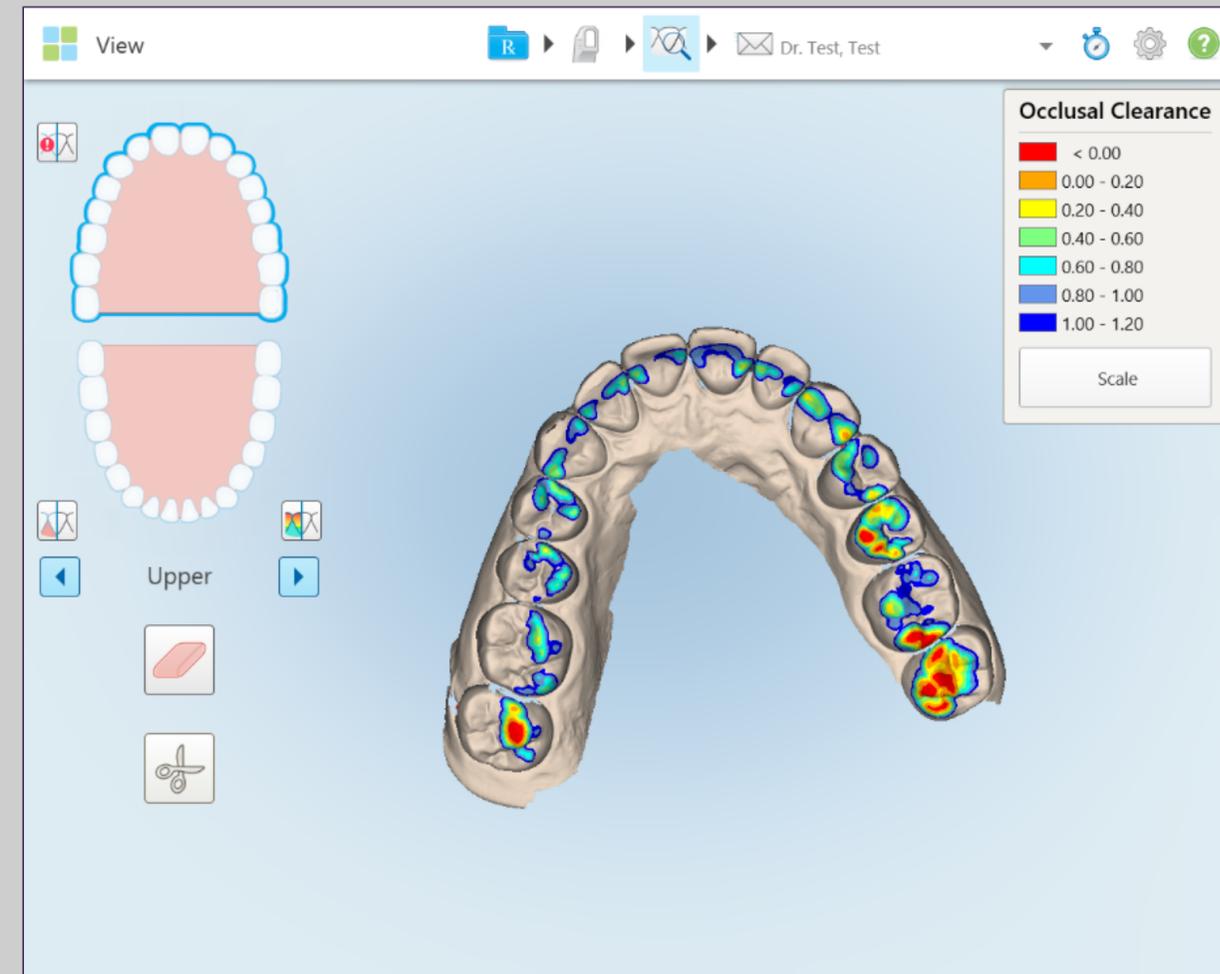


Tap on both bite segments to delete
Rescan

Tools – Deleting a Scan and Correcting the Bite



Verify new bite registration



Occlusogram display
Adequate contacts

Add Rx To An Existing Sent Scan – Allow Additional Workflows

Orders Dr. Test, Test

Past Orders Search

ID	Patient Name	Chart Number	Scan Date	Doctor	Case Type	Status
9360096	Smith, Jessica		05/05/2016	Dr. Test, Test	iCast	Completed
9358961	Smith-Doe, John		05/05/2016	Dr. Test, Test	iRecord	Completed

View Rx Viewer **Add Rx**

Invisalign Outcome Simulator

Patient: Smith-Doe, John Dr. Test, Test

Name
Smith-Doe, John

Chart Number

Last Scan
05/05/2016

New Scan

Orders

ID	Scan Date	Doctor	Case Type	Status
9358961	05/05/2016	Dr. Test, Test	iRecord	Completed

View Rx Viewer **Add Rx**

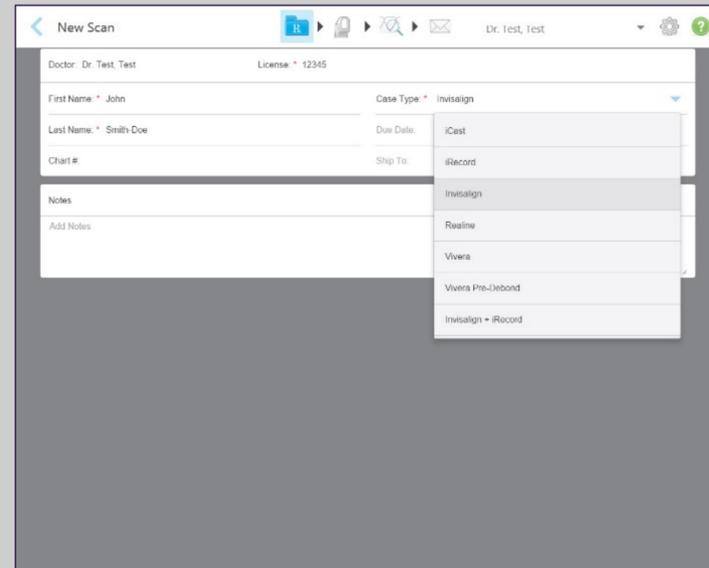
Invisalign Outcome Simulator

Conditions for the Add Rx to be enabled:

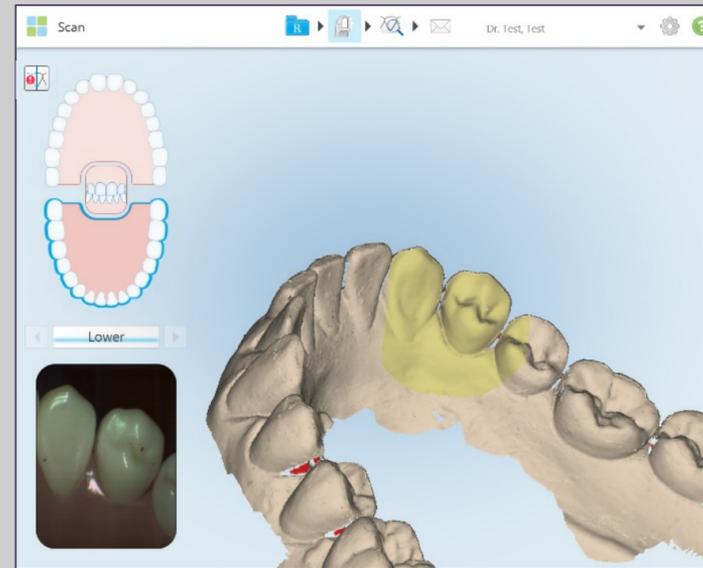
- Accessible from Orders and Patient's icons
- For cases except restorative and chair side milling
- Enabled up to 21 days from the case's scanning date
- The model has to be located on the scanner's base unit

Add Rx To An Existing Sent Scan – Workflow

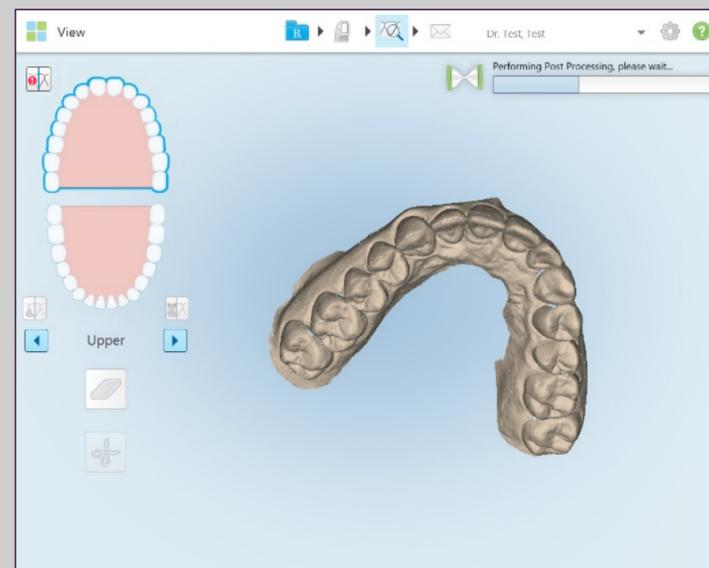
1. Select case type



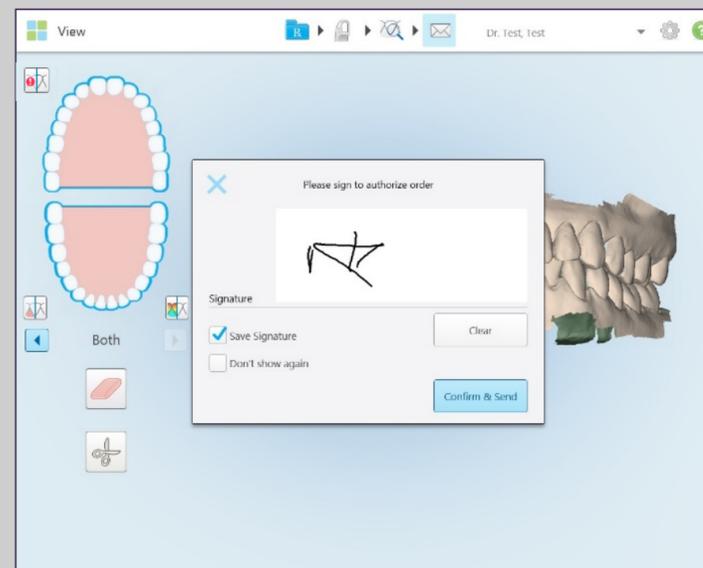
2. Add scans as needed



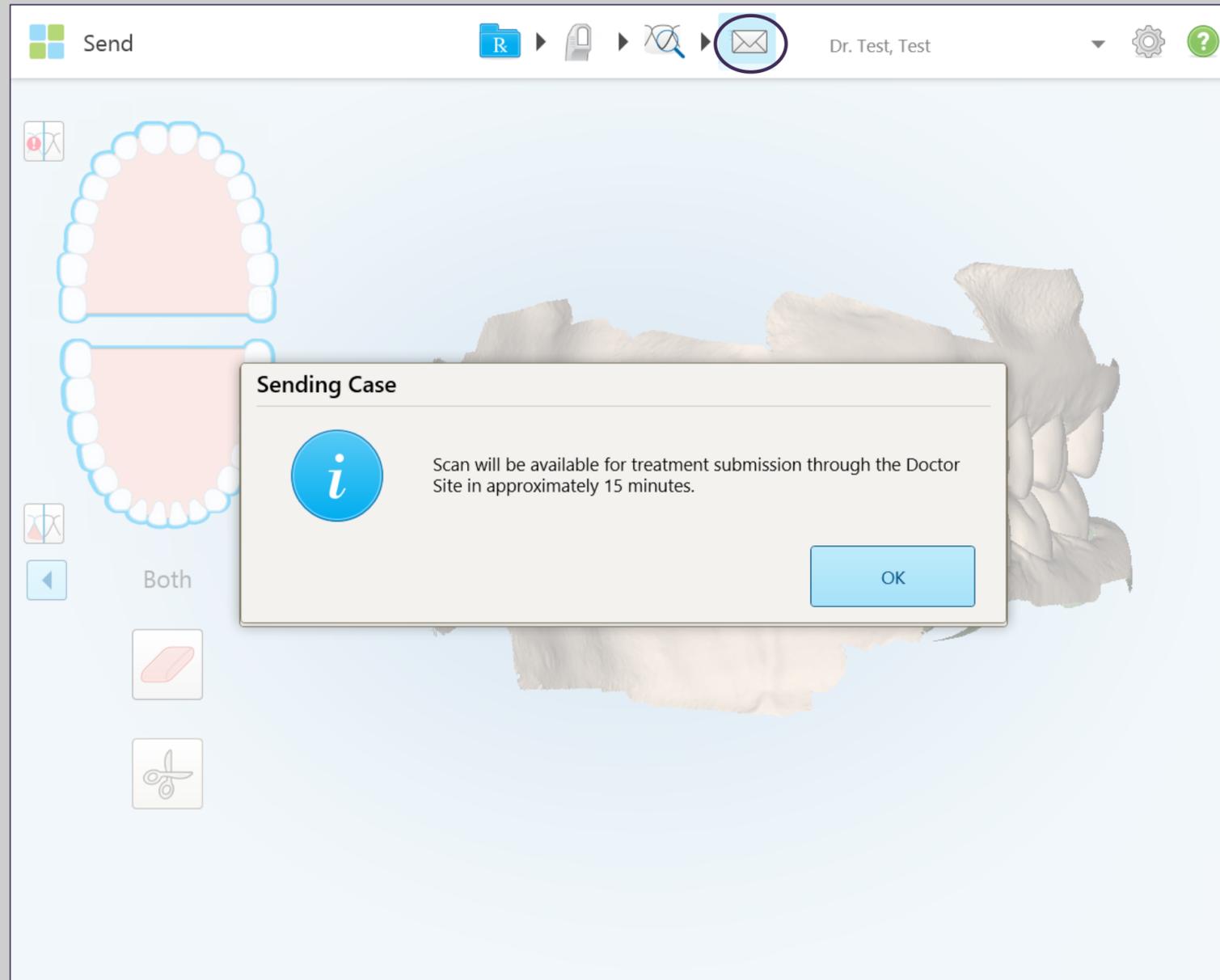
3. Tap on view tool



4. Send the case



Submitting Case

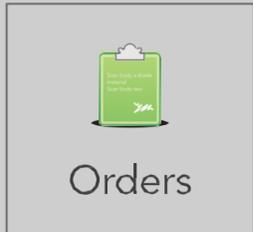


To submit the case, simply tap on the envelope.

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.

Viewer



Orders
Dr. Wilson, Jill

In Progress

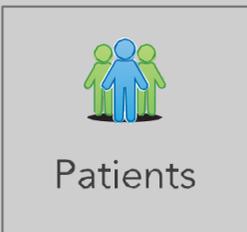
ID	Patient Name	Chart Number	Scan Date	Doctor	Case Type	Status
	Test34, Test			Dr. Wilson, Jill	Restorative	Rx Created
	Test, Test			Dr. Wilson, Jill	Invisalign + if	Rx Created
	3643119, Test		09/09/2016 14:25:50	Dr. Wilson, Jill	Invisalign + if	Scanning
	Test, Test			Dr. Wilson, Jill	Invisalign	Rx Created
	Test, Test			Dr. Wilson, Jill	Invisalign	Rx Created
	Test, Test		09/07/2016 18:29:29	Dr. Wilson, Jill	Restorative	Scanning
	Test, Test		09/07/2016 18:03:38	Dr. Wilson, Jill	Restorative	Scanning

Past Orders

ID	Patient Name	Chart Number	Scan Date	Doctor	Case Type	Status
10016768	3643119, Test		09/02/2016	Dr. Wilson, Jill	Invisalign	Exporting to Doctor Site

View Rx
Viewer
Add Rx

Invisalign Outcome Simulator
Progress Assessment



Patient: test, test
Dr. Test, Test

Name: test, test

Chart Number:

Last Scan: 02/16/2016

New Scan

Orders

ID	Scan Date	Doctor	Case Type	Status
8979339	02/16/2016	Dr. Test, Test	Invisalign	Completed
View Rx Viewer Invisalign Outcome Simulator				
8978206	02/16/2016	Dr. Test, Test	Invisalign	Completed
8965139	02/12/2016	Dr. Test, Test	Invisalign	Completed
8933086	02/05/2016	Dr. Align, Test	Invisalign	Completed
8931831	02/05/2016	Dr. Test, Test	iRecord	Completed
8906919	02/01/2016	Dr. Align, Test	Reference Model	Lab Review
8873100	01/25/2016	Dr. Test, Test	Invisalign + iRecord	Completed
8726615	12/15/2015	Dr. Test, Test	Invisalign	Completed
8614206	11/17/2015	Dr. Test, Test	iRecord	Completed
8559179	11/03/2015	Dr. Test, Test	Invisalign + iRecord	Completed
8533445	10/28/2015	Dr. Test, Test	Invisalign	Completed
8365170	09/14/2015	Dr. Test, Test	Invisalign	Completed
8363595	09/14/2015	Dr. Test, Test	Invisalign	Completed
8341872	09/08/2015	Dr. Align, Test	Invisalign	Completed
8266356	08/18/2015	Dr. Align, Test	Invisalign	Completed

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

Viewer

Preset views of the model.

The screenshot shows a software interface for viewing dental models. The main area is divided into two rows. The top row contains three views: a top-down occlusal view of the maxilla (highlighted in pink), a 3D perspective view of the maxilla, and a 3D perspective view of the mandible. The bottom row contains three side-by-side occlusal views of the teeth. On the right side, there is a vertical toolbar with six icons: a single square (Frontal View), two vertical rectangles (Occlusal View), a 2x2 grid of squares (Gallery View), a color wheel (Color/monochrome), and a color wheel with a crosshair (Occlusogram). A yellow arrow points from the text 'Preset views of the model.' to the top of the toolbar. On the left side, a yellow arrow points from the text 'Hide / Display Maxilla or Mandible' to the occlusal view icon in the top row. A color scale legend is located above the bottom row of views, ranging from 0.0 (red) to 1.0 (blue).

Viewer Dr. Demo, iGo

Hide / Display Maxilla or Mandible

Frontal View

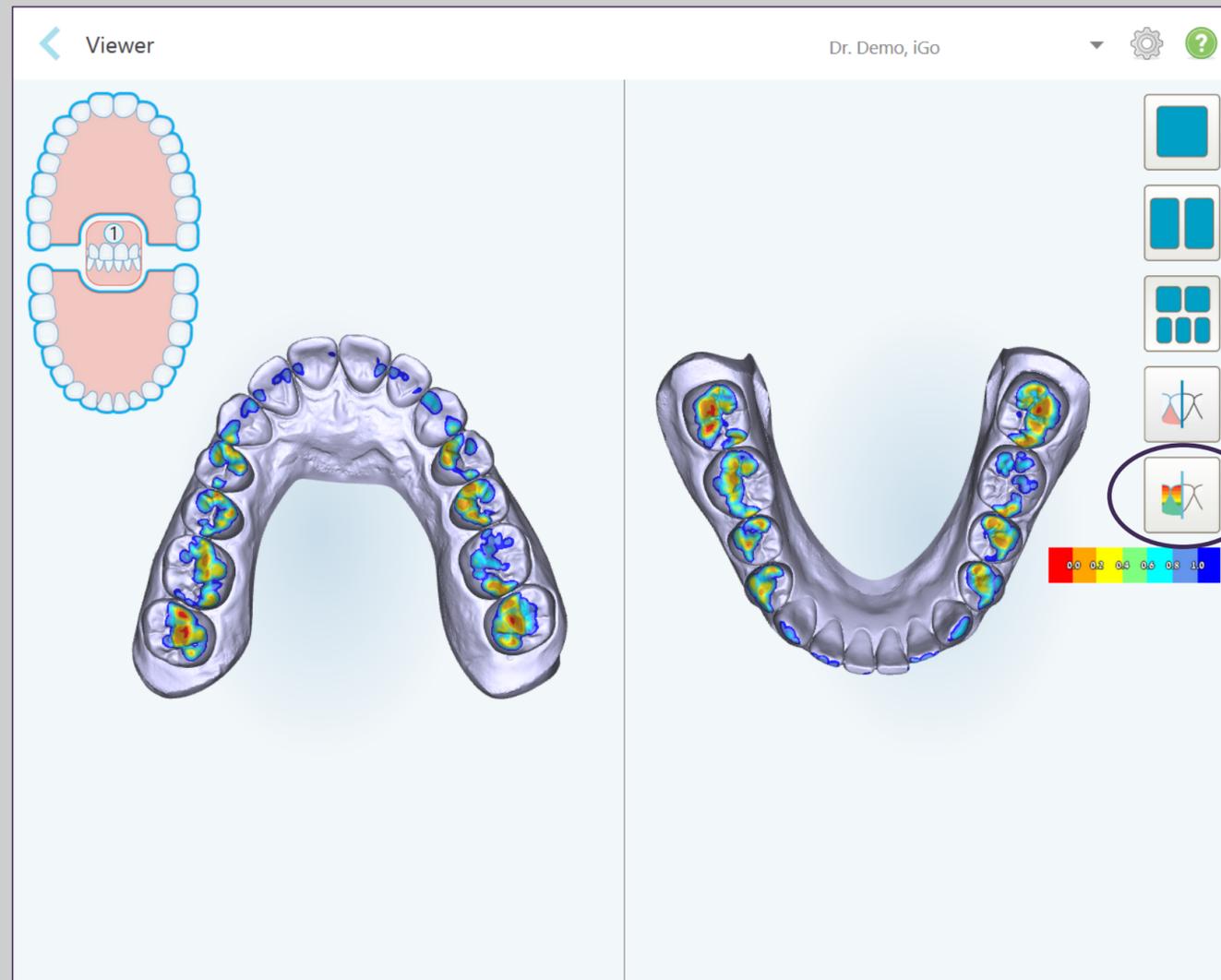
Occlusal View

Gallery View

Color/monochrome

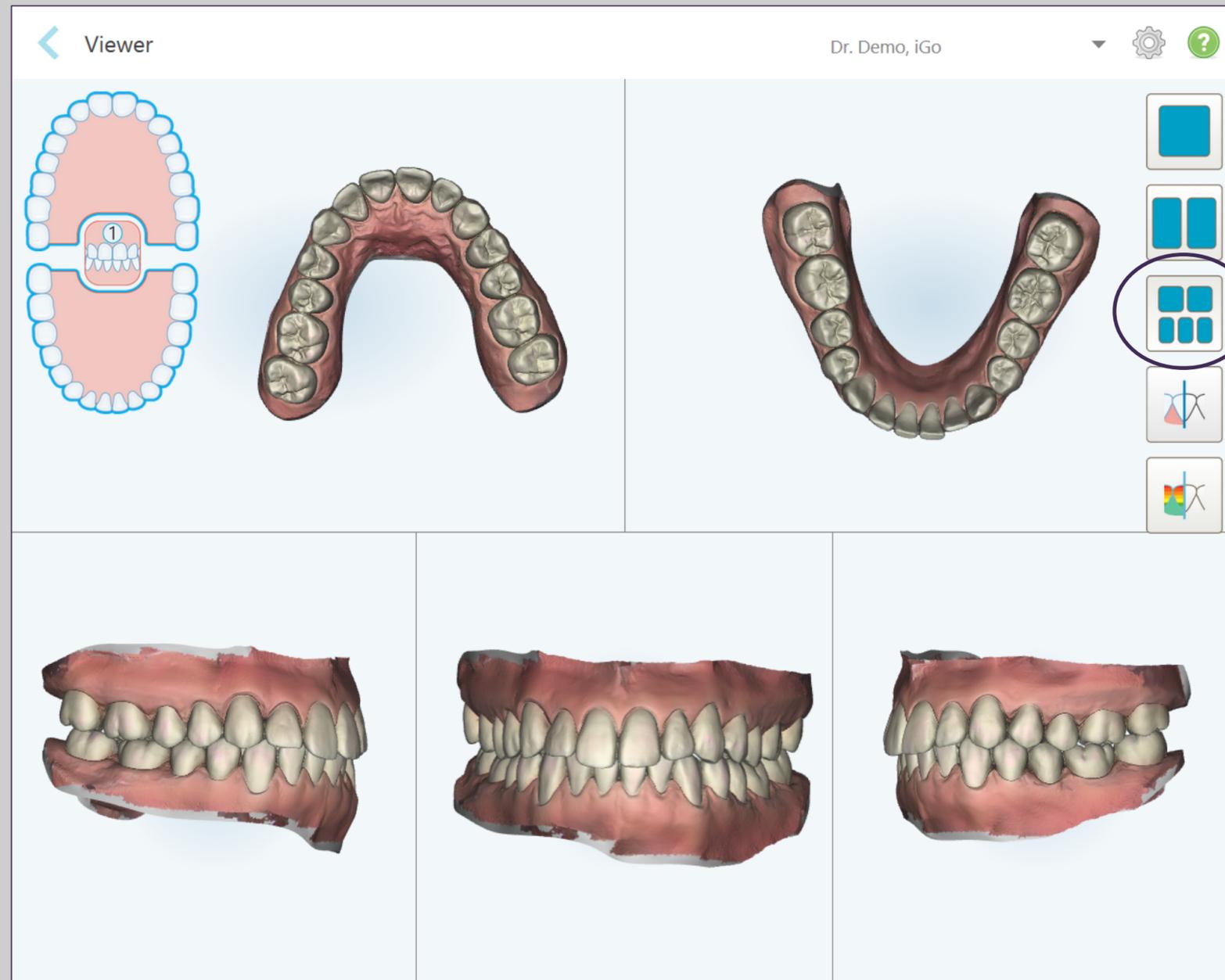
Occlusogram

Viewer / Occlusogram



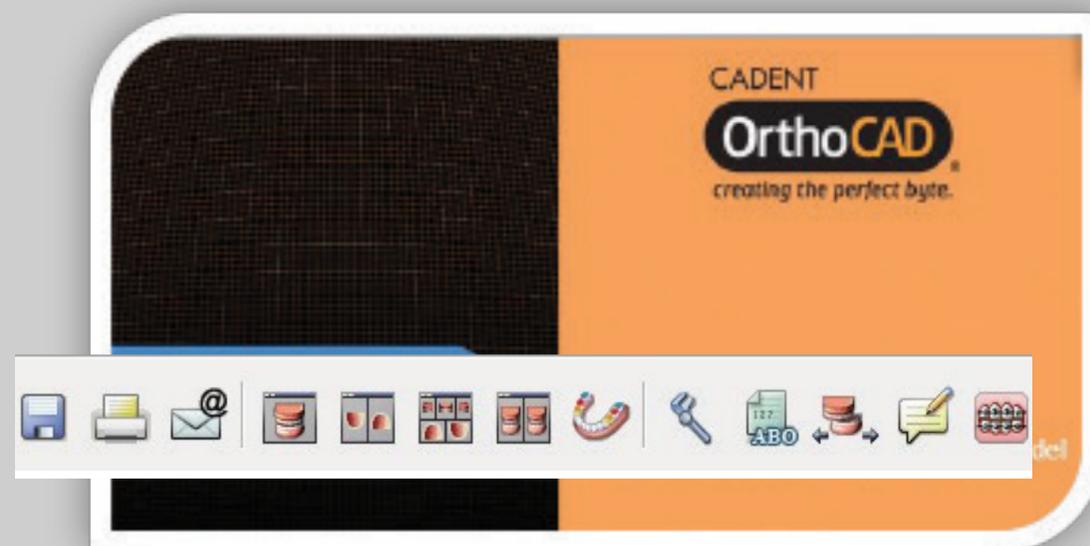
The Occlusogram tool can be shown in any view by tapping the Occlusogram icon.

Viewer



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

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:

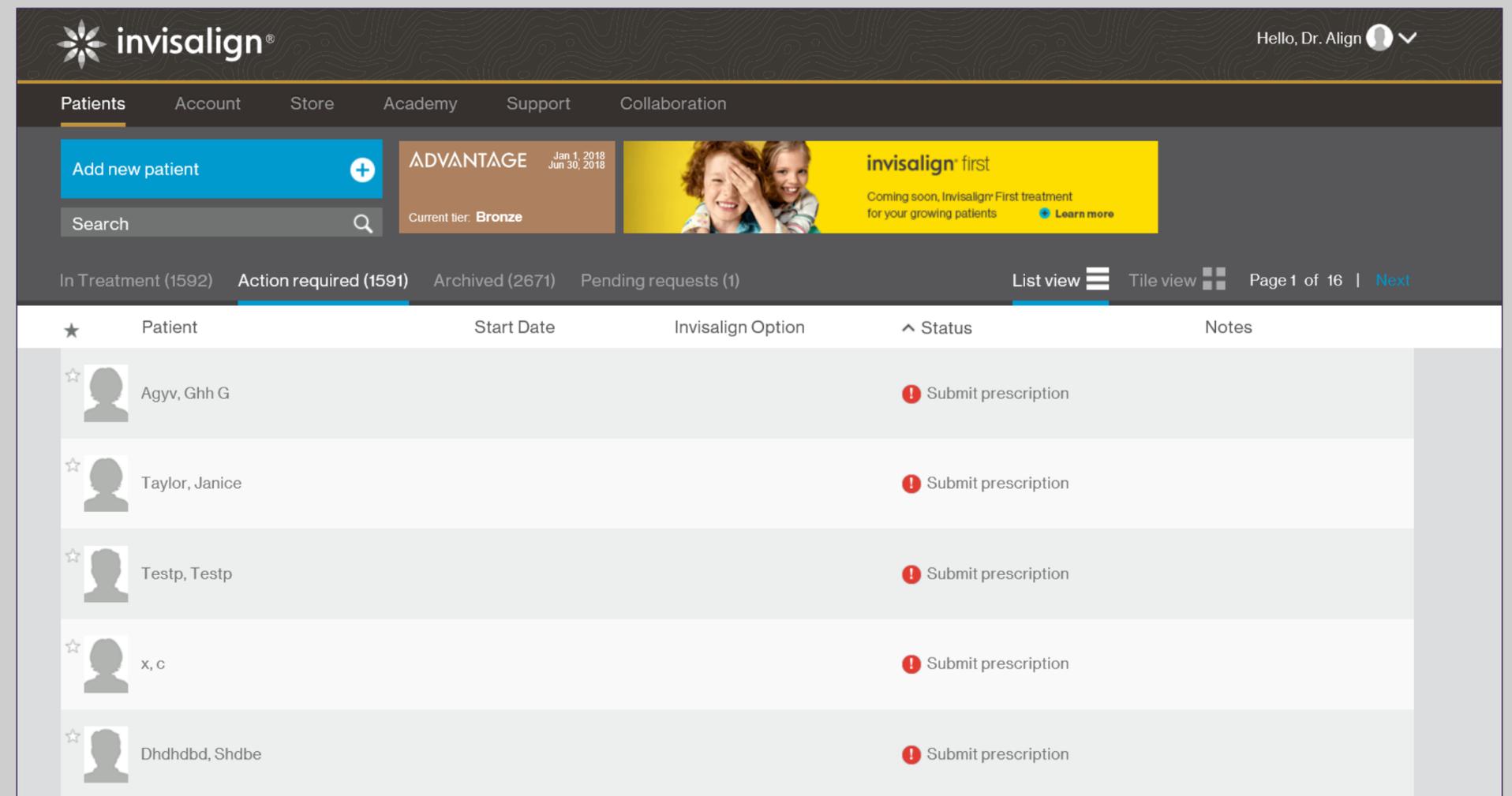
- a) Communicate between dental offices - printing or emailing the 3D models
- b) Perform diagnostic analysis of the 3D orthodontic models
- c) Presenting cases to patients for discussion of the treatment plan

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.

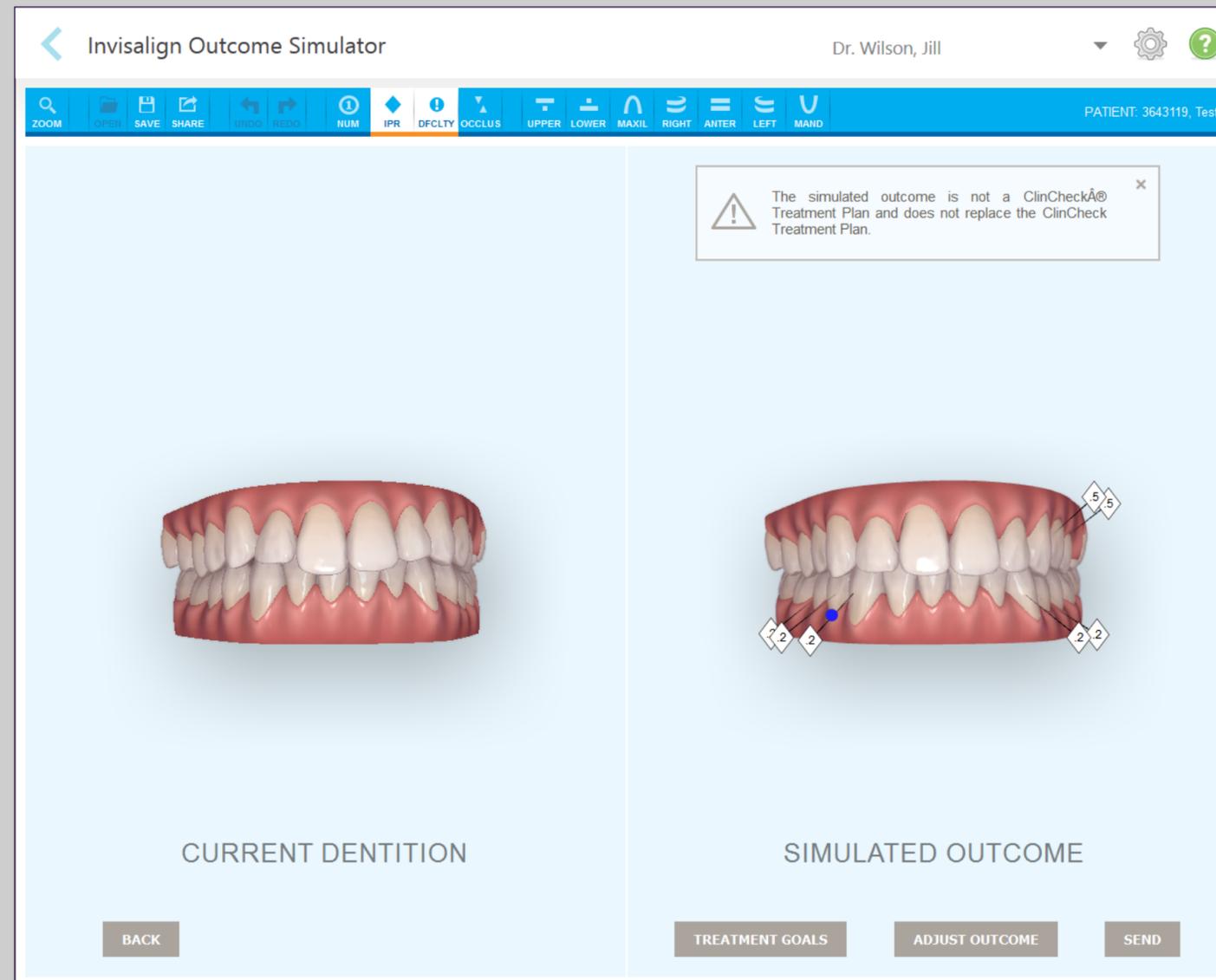
The digital scan may be associated with a prescription in IDS prior to submitting the Invisalign order.



The screenshot displays the Invisalign Doctor Site (IDS) interface. At the top, the Invisalign logo is on the left, and the user is logged in as 'Hello, Dr. Align'. The navigation menu includes 'Patients', 'Account', 'Store', 'Academy', 'Support', and 'Collaboration'. Below the navigation, there is a search bar and a section for 'ADVANTAGE' with a 'Current tier: Bronze' indicator. A promotional banner for 'invisalign first' is also visible. The main content area shows a list of patients under the 'Action required (1591)' tab. The list has columns for Patient, Start Date, Invisalign Option, Status, and Notes. Each patient entry has a 'Submit prescription' action button.

★ Patient	Start Date	Invisalign Option	^ Status	Notes
☆ Agyv, Ghh G			! Submit prescription	
☆ Taylor, Janice			! Submit prescription	
☆ Testp, Testp			! Submit prescription	
☆ x, c			! Submit prescription	
☆ Dhhdhdbd, Shdbe			! Submit prescription	

Invisalign Outcome Simulator

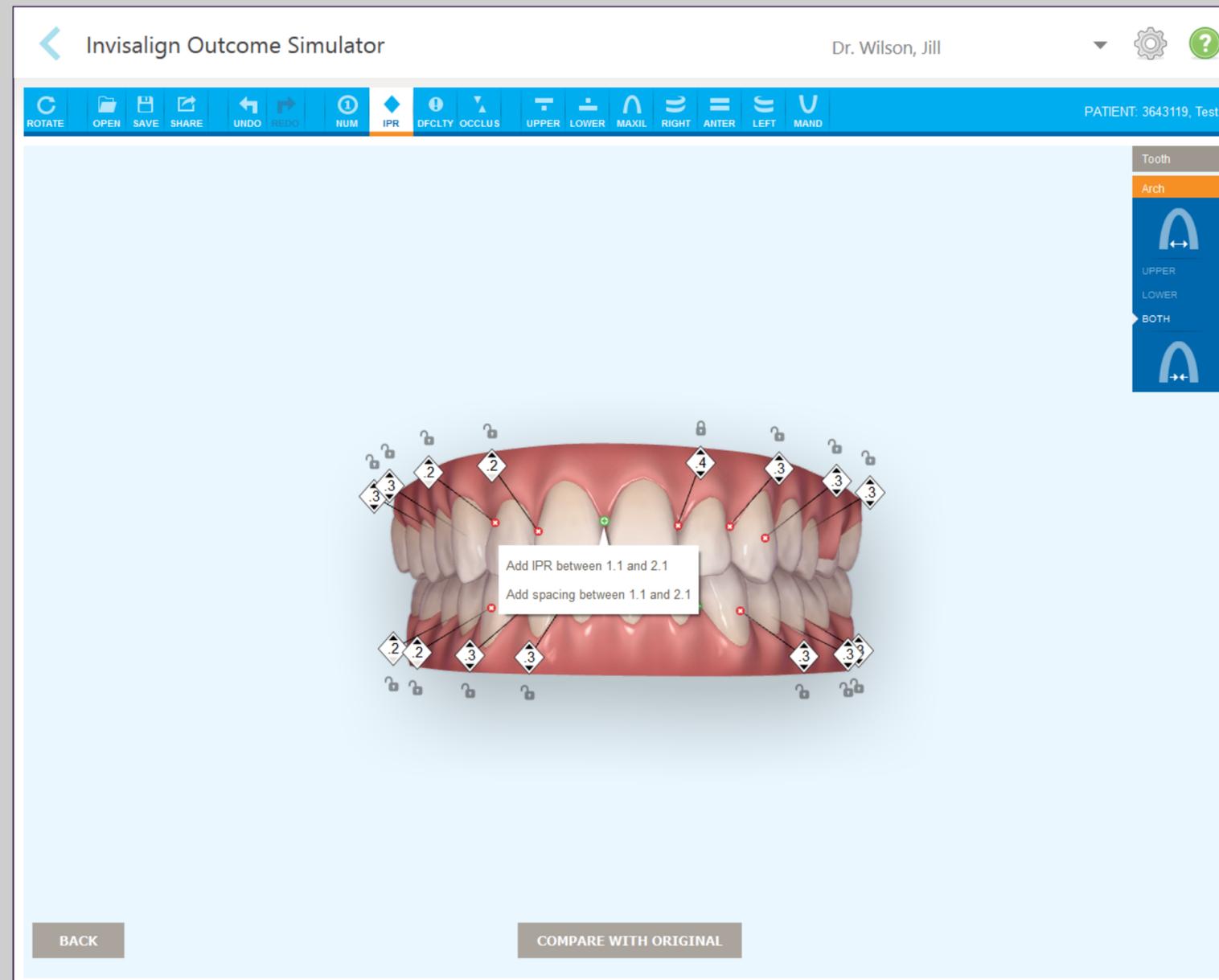


The Invisalign Outcome Simulator is a software tool that shows patients the simulated outcome of their Invisalign treatment.

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

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.

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

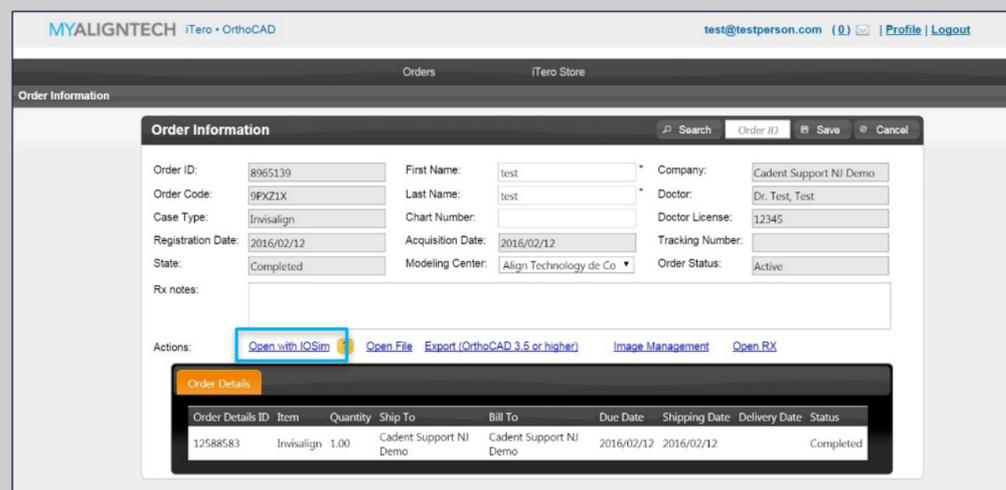
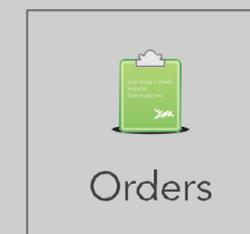
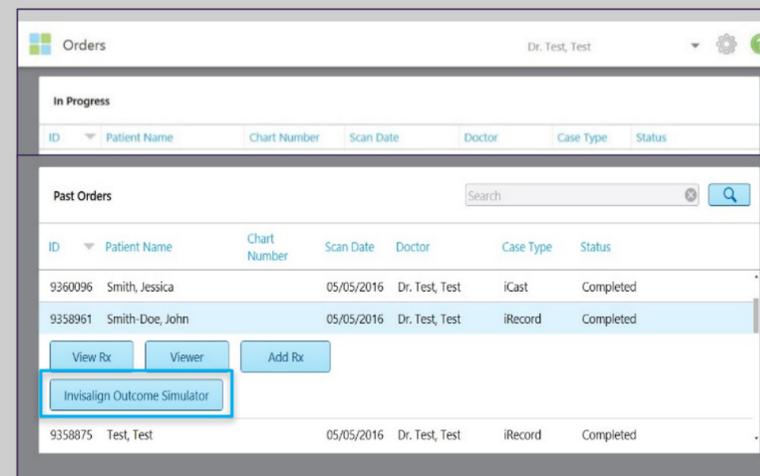
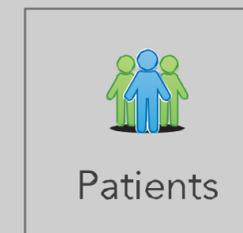
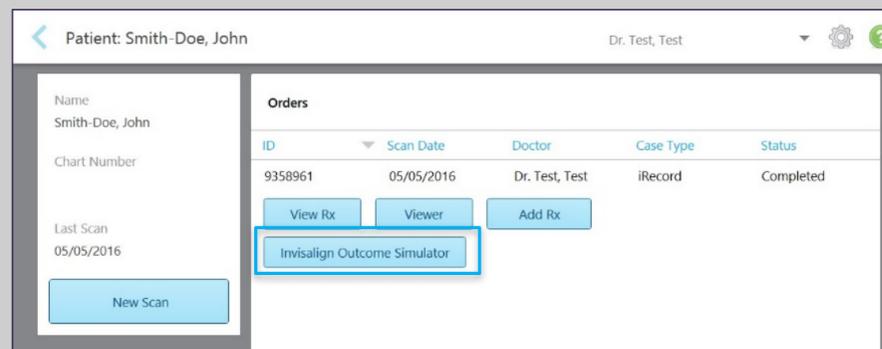
Share with Patient

Send to Treat

Saving Simulation

Invisalign Outcome Simulator

Access the Invisalign Outcome Simulator through these sites:



Progress Assessment

Open case from Orders or Patients

The screenshot shows the 'Orders' interface with two tables: 'In Progress' and 'Past Orders'. The 'Past Orders' table has a search bar and a 'Progress Assessment' button highlighted with a red box.

ID	Patient Name	Chart Number	Scan Date	Doctor	Case Type	Status
	Frink, Prof		09/28/2016 13:55:16	Invisalign, Ortho	Restorative	Scanning
	Hhh, Hhh			Invisalign, Ortho	Restorative	Rx Created
	Test, Test			Invisalign, Ortho	Restorative	Rx Created
	Salazar, Allan		09/23/2016 09:50:05	Invisalign, Ortho	Restorative	Scanning

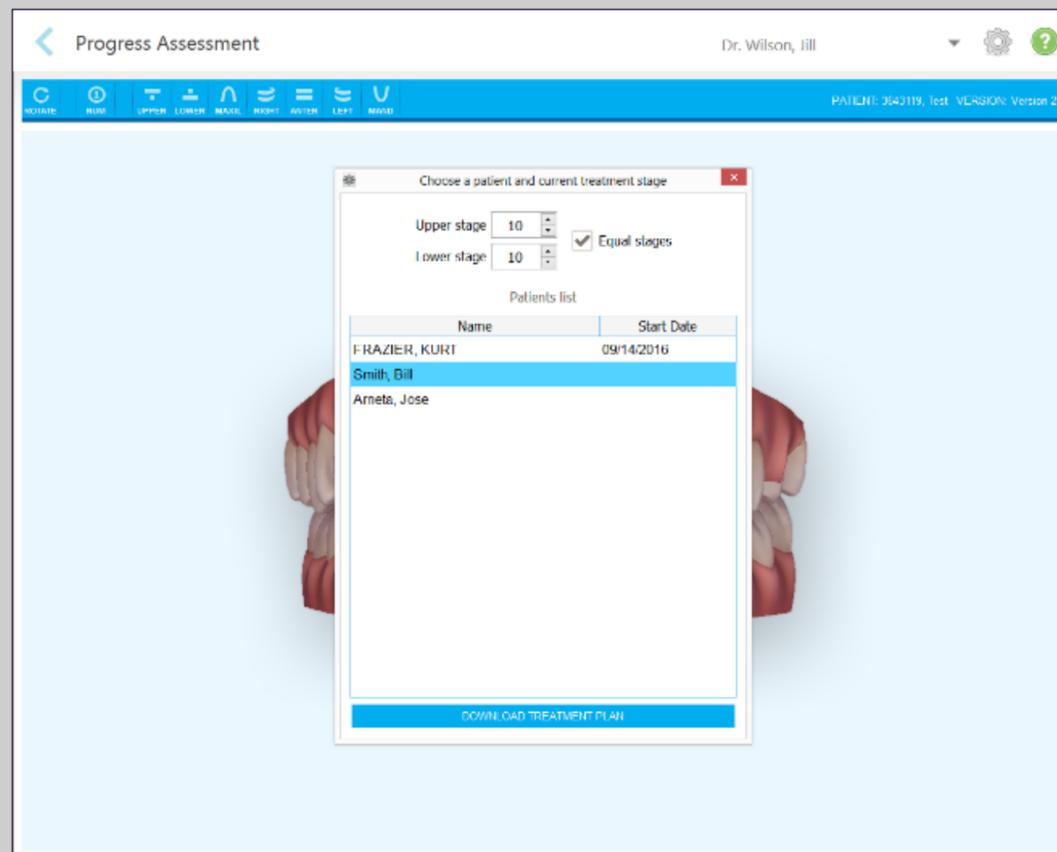
ID	Patient Name	Chart Number	Scan Date	Doctor	Case Type	Status
9009374	Branch, David	CN002	09/21/2016	Invisalign, Ortho dc	Invisalign	Completed
9009373	Morenz, Howie	CN001	09/21/2016	Invisalign, Ortho dc	Invisalign	Completed
9008388	Tim18172b, 001	CN001	09/13/2016	Invisalign, Ortho dc	Invisalign	Completed

Correct Axis Lines (optional)

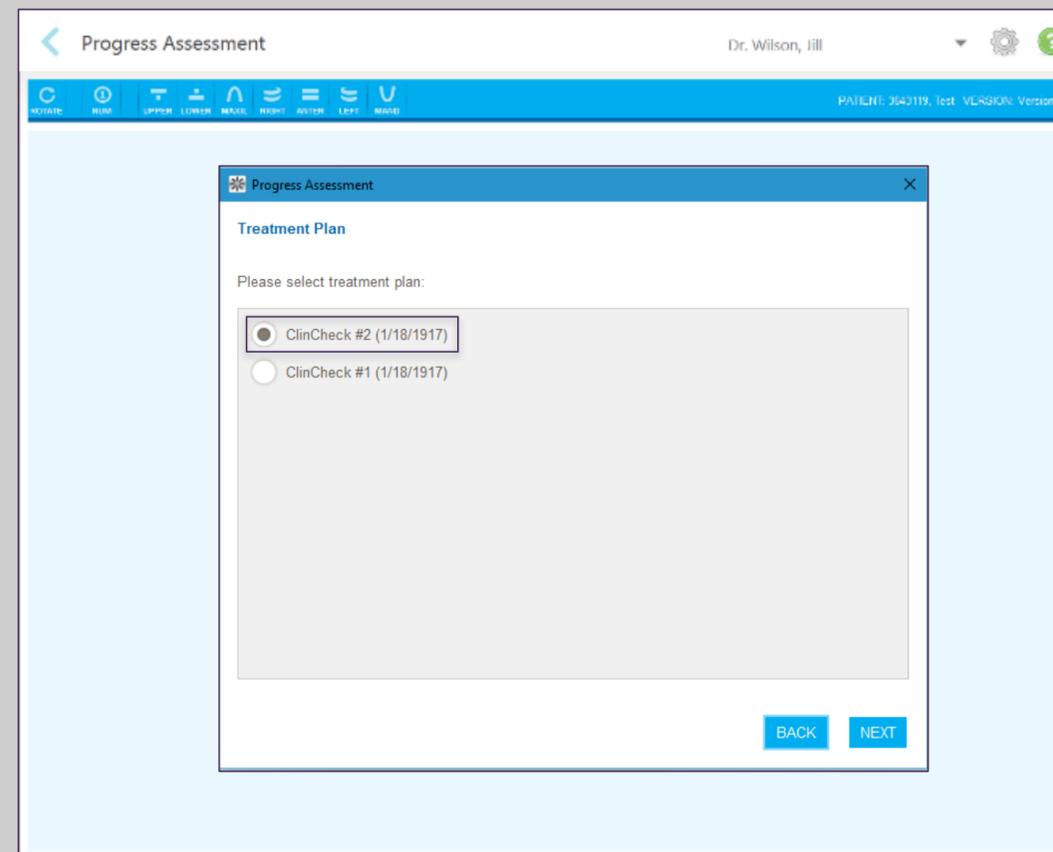
The screenshot shows the 'Progress Assessment' interface with a 3D dental model. A message above the model says 'Progress Assessment will start in 7 seconds Touch screen to adjust axes'. The model has blue axis lines overlaid on it. A 'PROGRESS ASSESSMENT' button is visible at the bottom right.

Progress Assessment

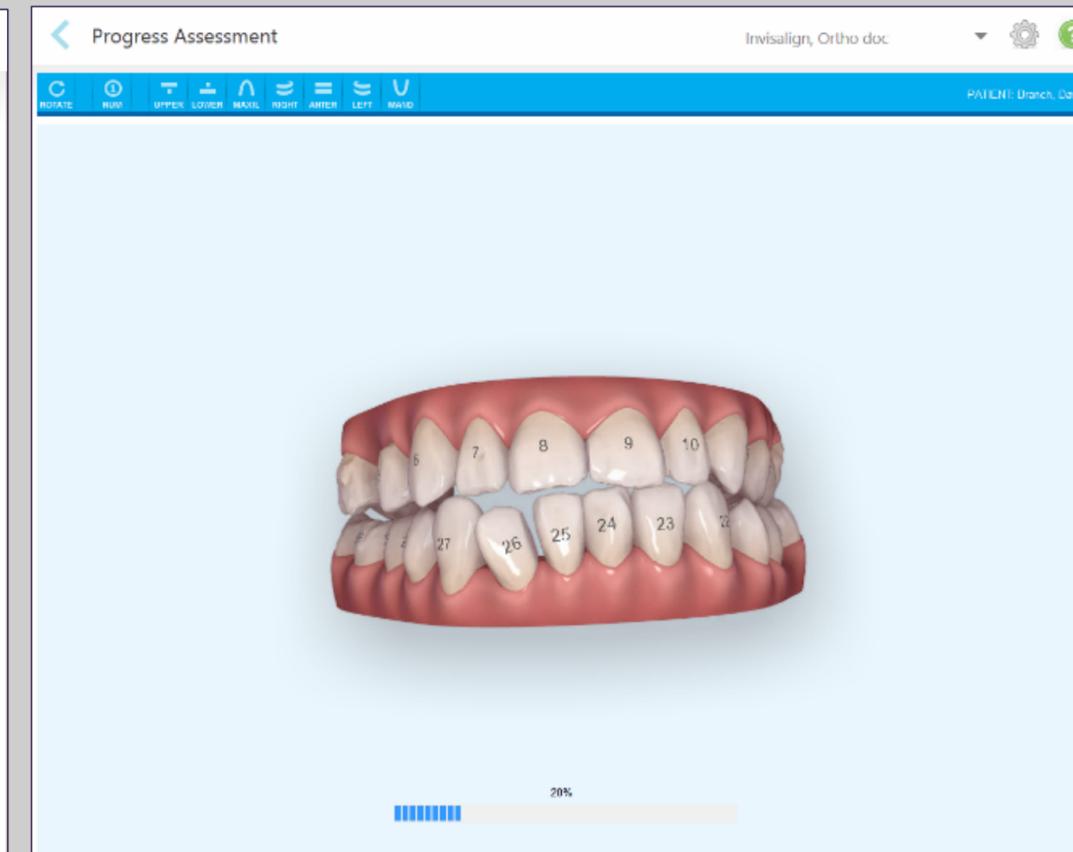
Access IDS Database



Select the ClinCheck



Analyzing progress assessment



Progress Assessment

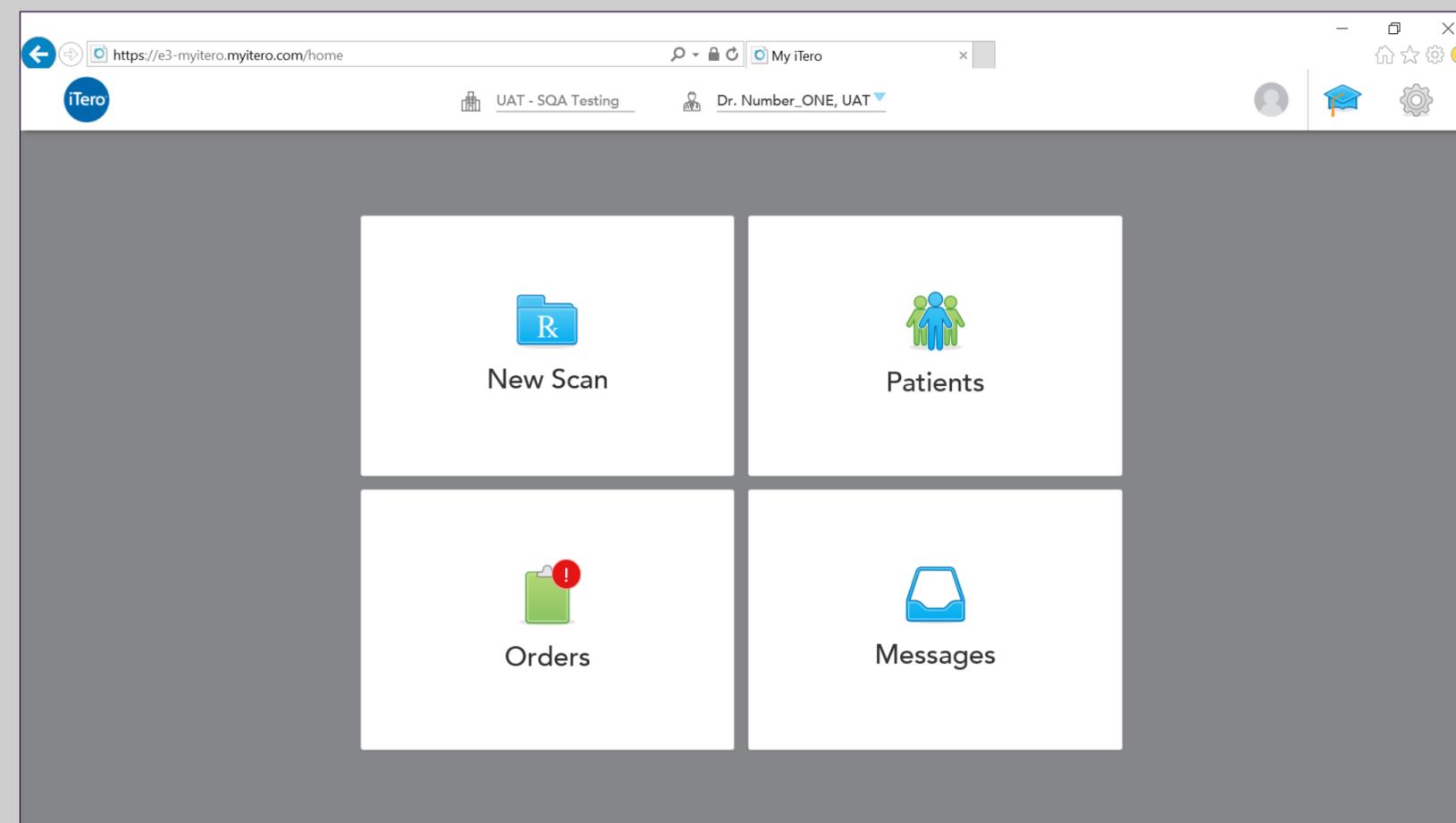
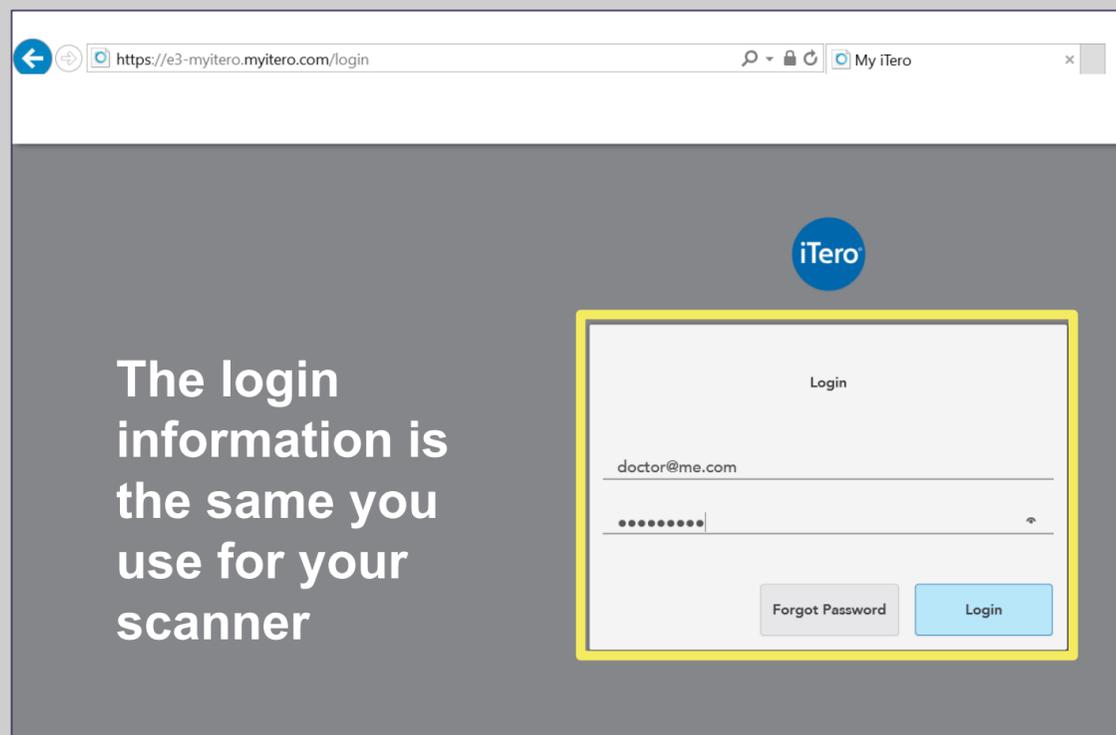
The screenshot displays the Progress Assessment tool interface. At the top, there is a toolbar with various icons for navigation and assessment. Below the toolbar, two 3D dental models are shown: 'TREATMENT PLAN' on the left and 'CURRENT DENTITION' on the right. A 'CHANGE CURRENT STAGE (28)' button is located below the 'CURRENT DENTITION' model. Below the models is a 'Stage Slider' with 'INITIAL', 'CURRENT', and 'FINAL' buttons, and a 'Stage: 28/45' indicator. A 'Legend' section provides color-coding for 'Superimposition' (Teeth from ClinCheck Treatment Plan, Teeth from new scan) and 'Progress Assessment' (Minor movements not assessed, Movement tracking clinically to plan, Movement not tracking clinically to plan, No significant movement detected, Movement in opposite direction to plan, Semi-transparent: Assessment not available). Below the legend are 'Page Buttons' for 'UPPER', 'LOWER', 'SAGITTAL', 'VERTICAL', 'TRANSVERSE', 'ARCH LENGTH', and 'PAR SCORE'. At the bottom is the 'Report Panel' table.

	2	3	5	6	7	8	9	10	11	12	13	14
Planned movement direction												
Translation Buccal/Lingual							Buc	Buc				Buc
Translation Mesial/Distal										Dist	Dist	
Extrusion/Intrusion								Ext				
Angulation Mesial/Distal				Mes	Mes				Mes			
Inclination Buccal/Lingual					Buc	Buc	Buc	Buc			Ling	Buc
Rotation Mesial/Distal		Dist	Dist		Dist	Dist		Dist	Mes		Dist	

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.

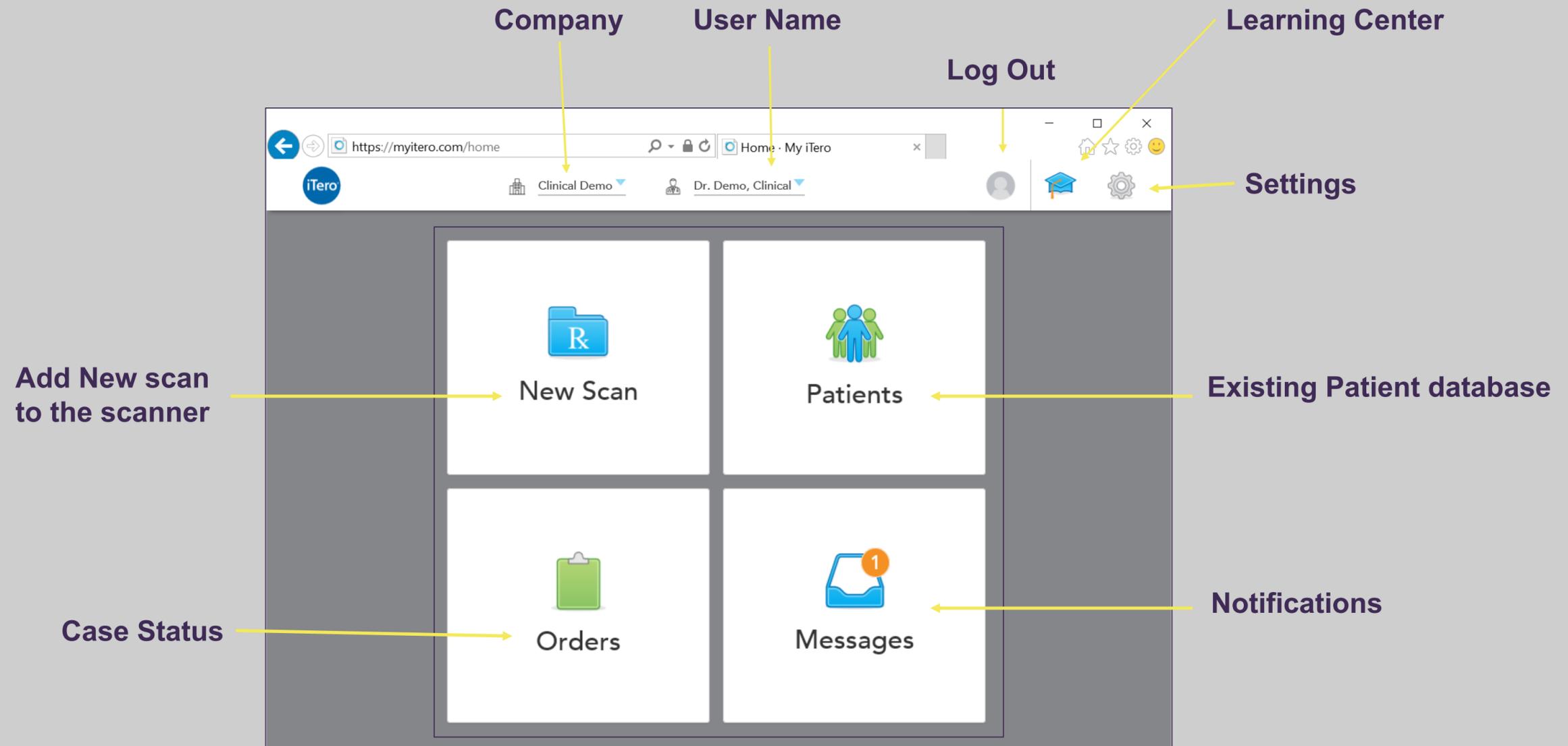
MyiTero.com

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**

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.

MyiTero.com – Available Workflows

The screenshot shows the MyiTero.com patient management interface. On the left, a sidebar displays patient information: Patient Name (Demo, MultiBite), Chart Number (MB0123), and Last Scan (03/28/2017), along with a 'New Scan' button. The main area shows an 'Orders' table with one entry. Below the table, a row of buttons provides actions for the selected order.

ID	Scan Date	Case Type	Status
11381658	03/28/2017	iRecord	Completed

Annotations with arrows point to the following buttons:

- Open the Rx** points to the 'View Rx' button.
- Change Case Type** points to the 'Change Case Type' button.
- Open Invisalign Outcome Simulator** points to the 'Invisalign Outcome Simulator' button.
- Open Invisalign Progress Assessment** points to the 'Invisalign Progress Assessment' button.
- Open the Web Viewer** points to the 'Viewer' button.
- STL Export** points to the 'Export' button.

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.

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**Align Technology, Inc.
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San Jose, CA 95131**

PDF Files

[iTero Element Operation Manual](#)

[Invisalign Outcome Simulator Quick Reference Guide](#)

[STL Export Instructions](#)

[iTero Element Video](#)

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