



# **iTero Element Intraoral Scanner Restorative 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





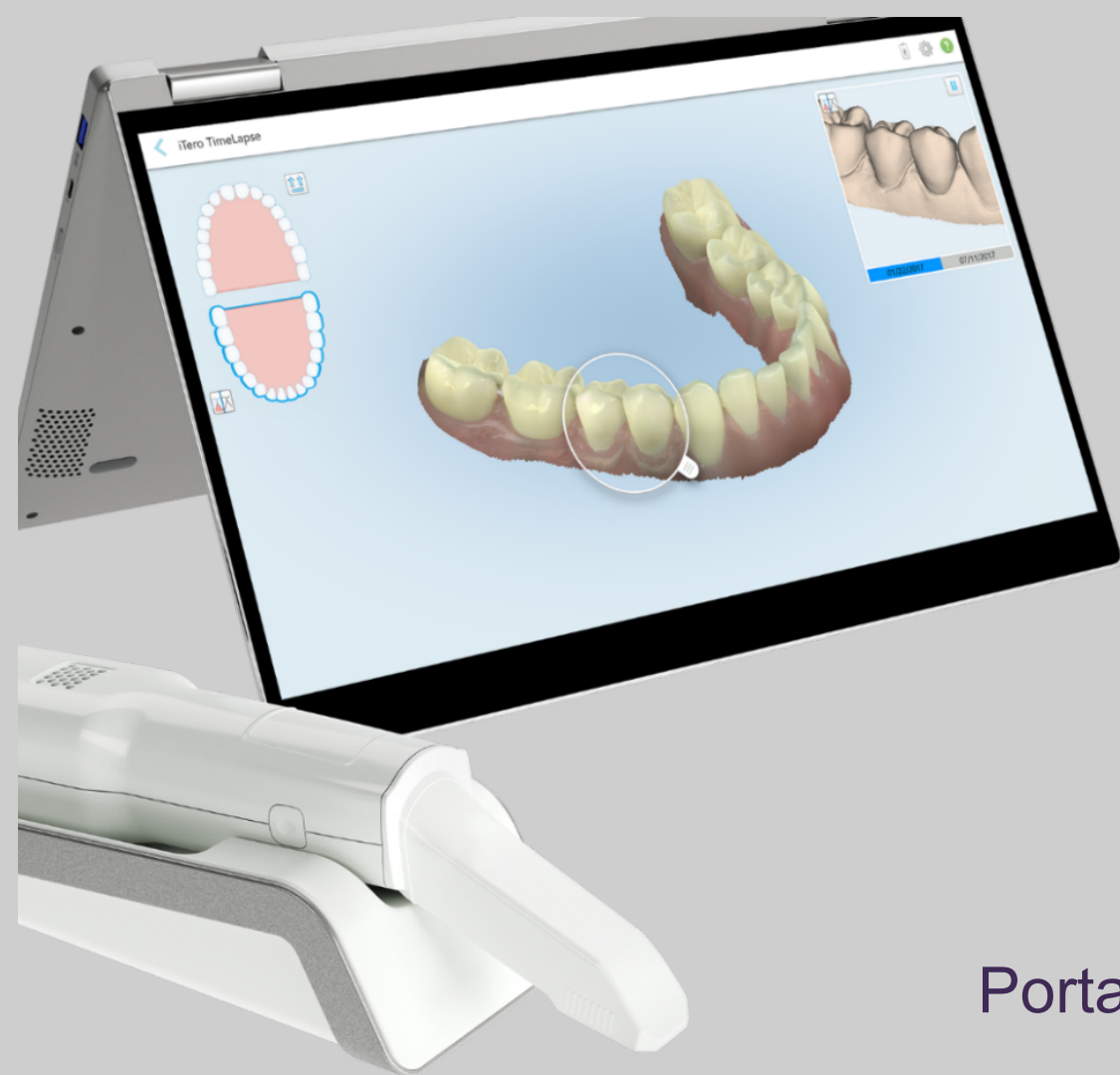
# iTero element flex



“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.*



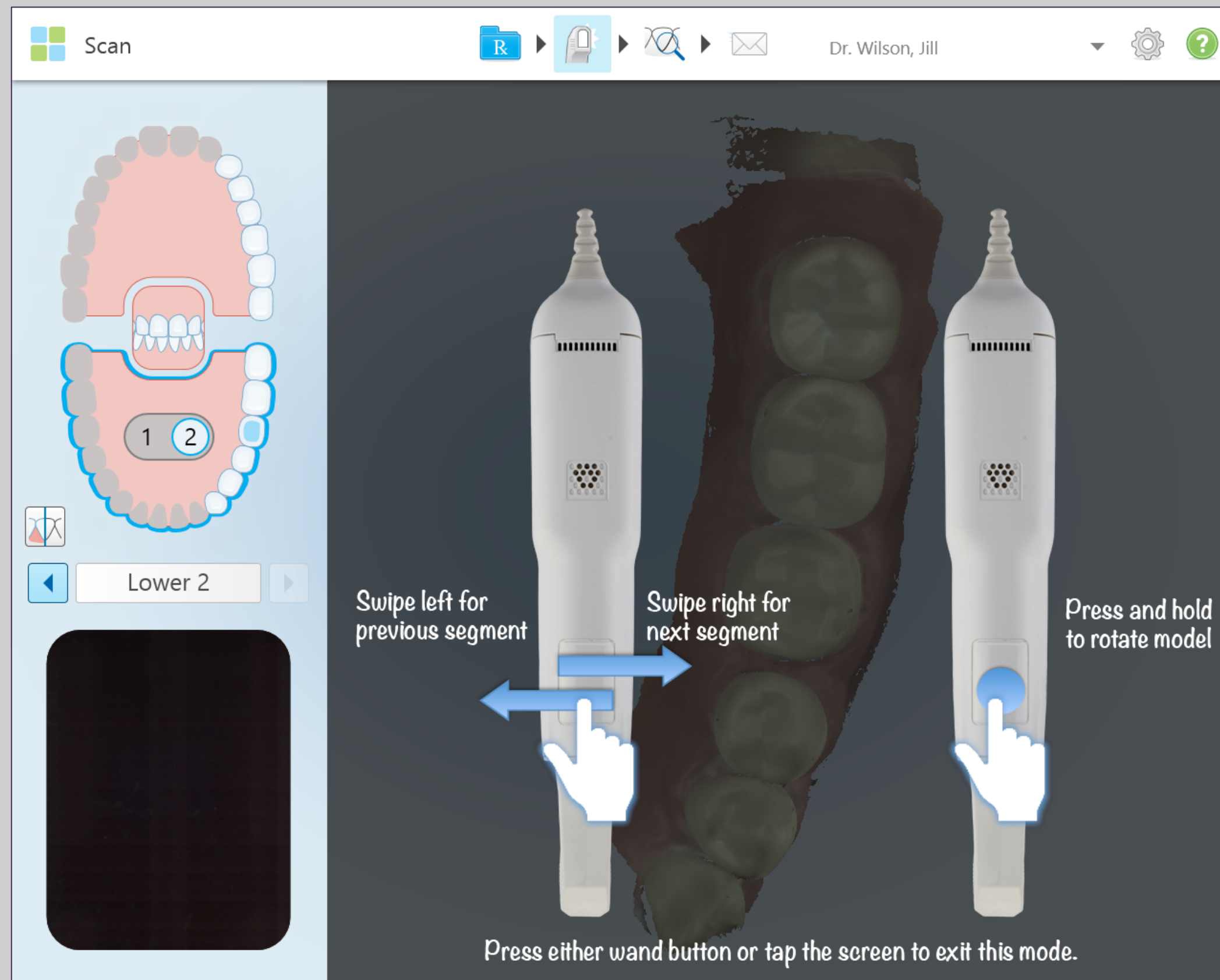
## Holding the Wand

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

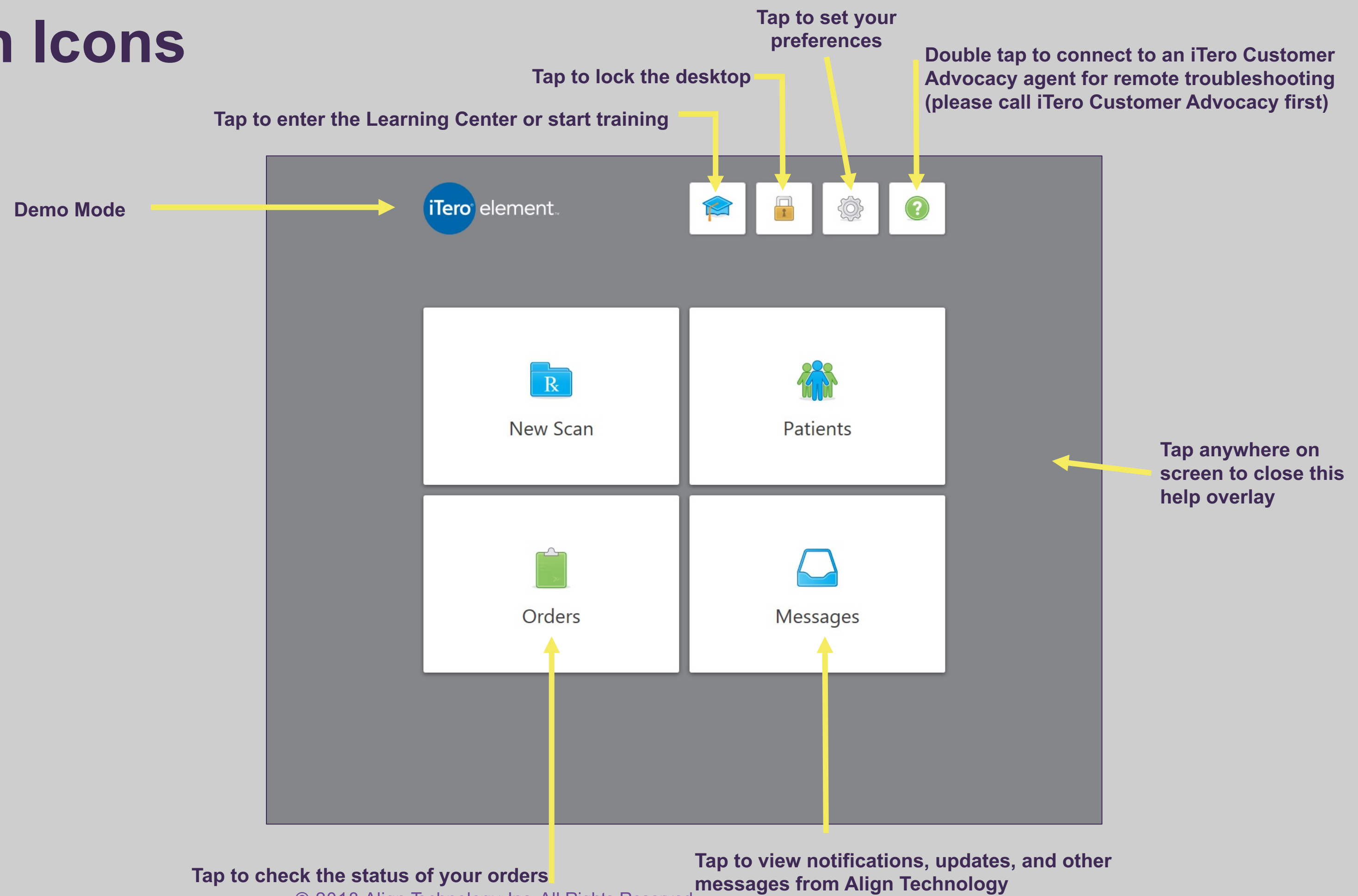
Remember Me Skip Login

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.

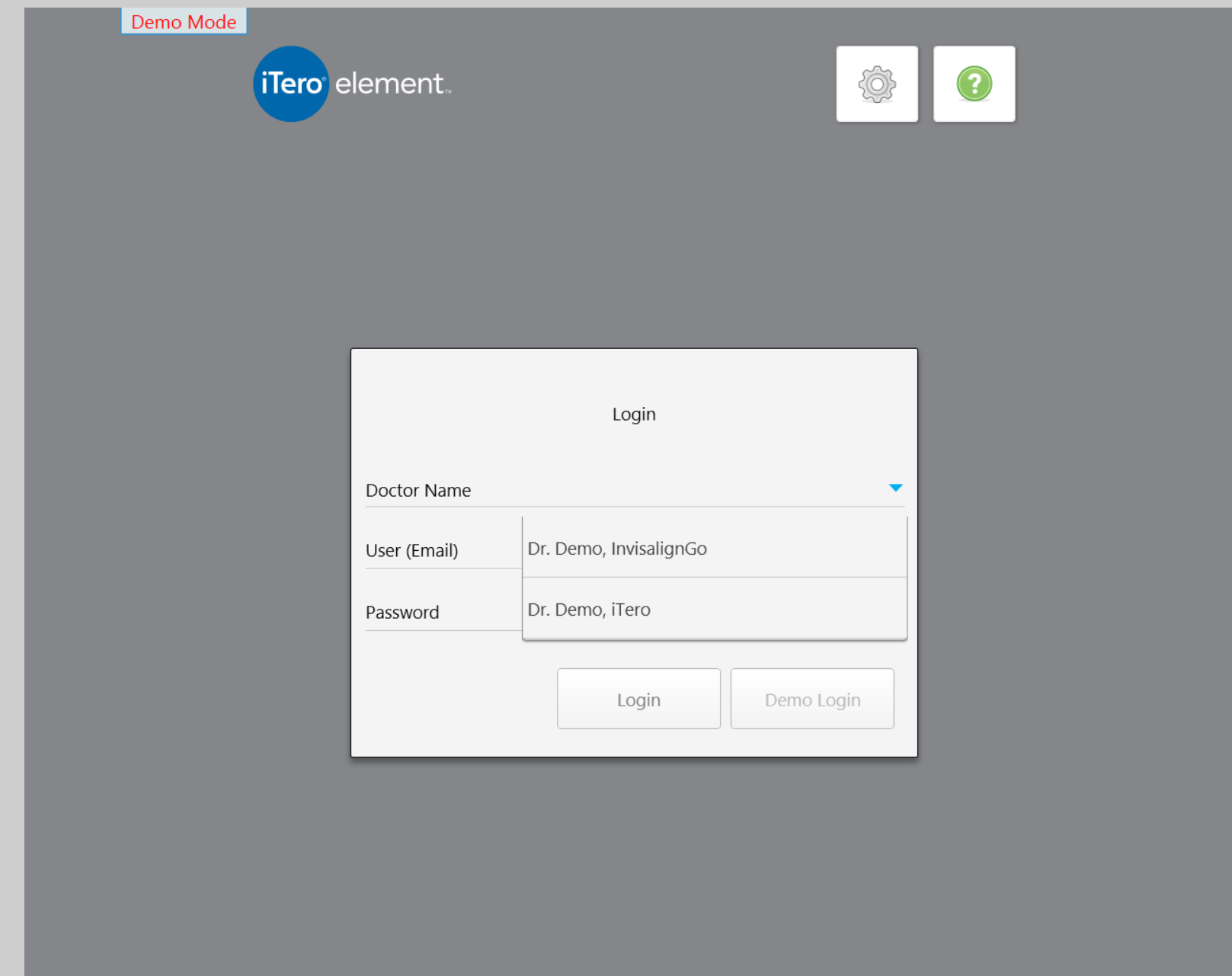
## Home Screen Icons



## Demo Mode



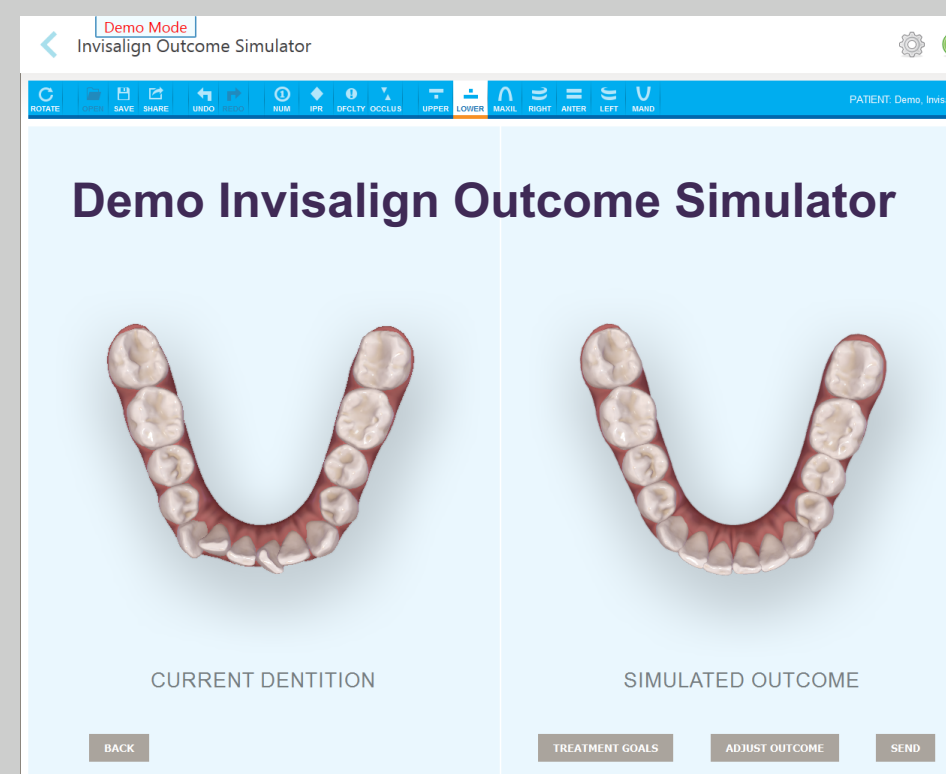
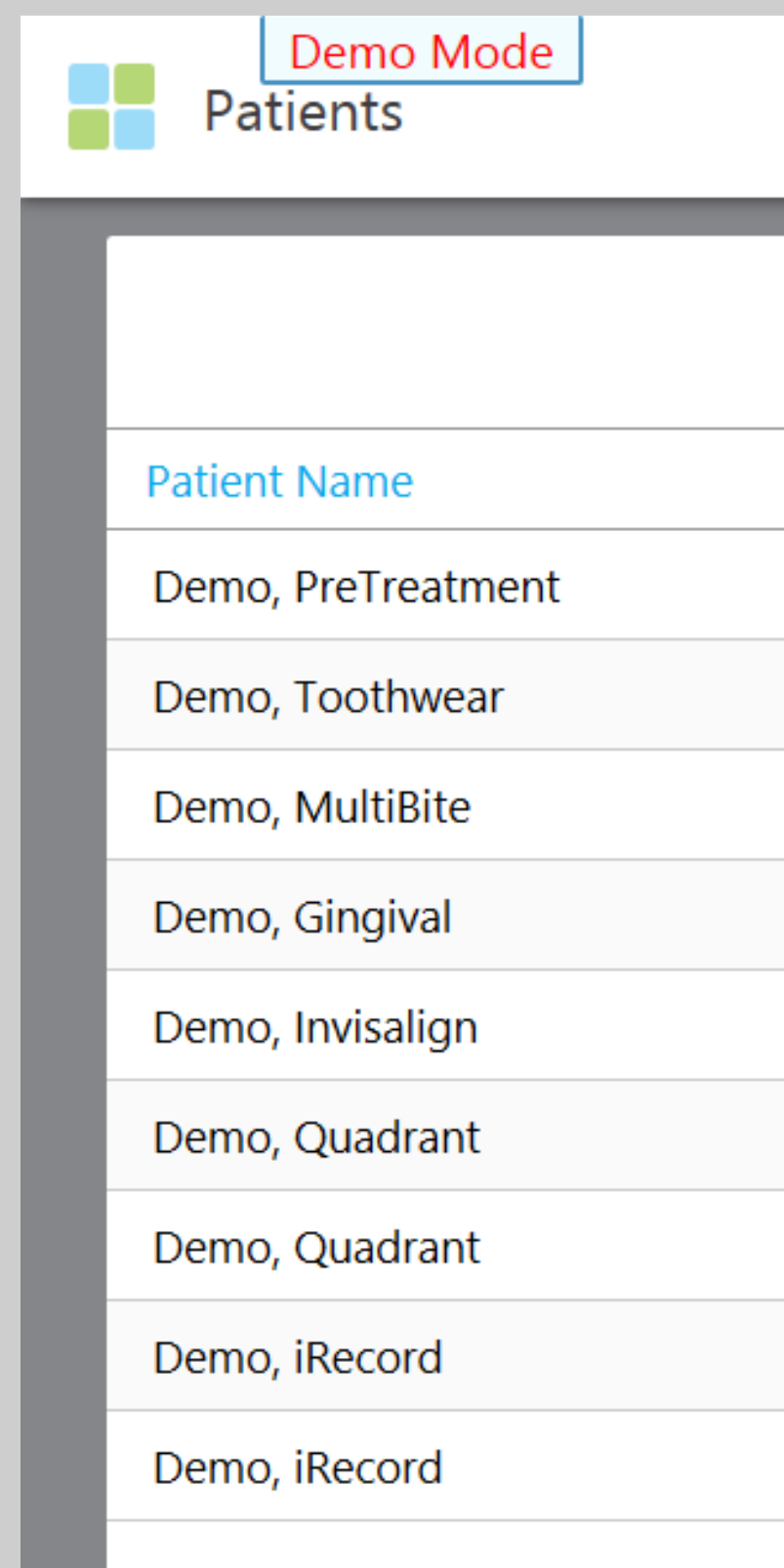
Tap on the iTero Element logo then select the demo mode button



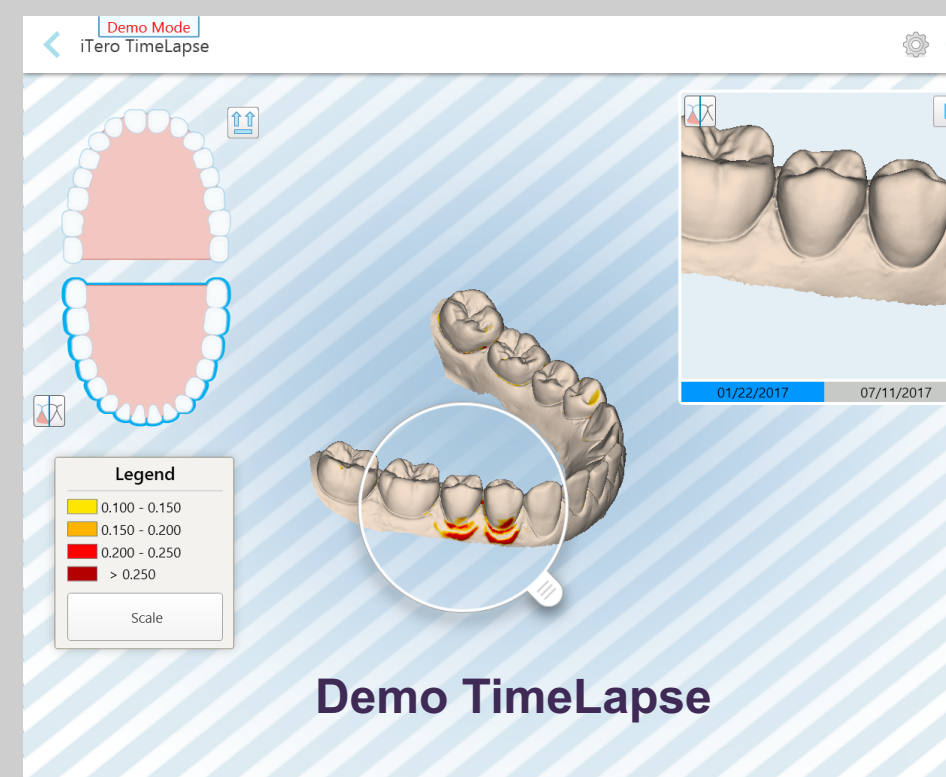
Select a user and log in



## 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

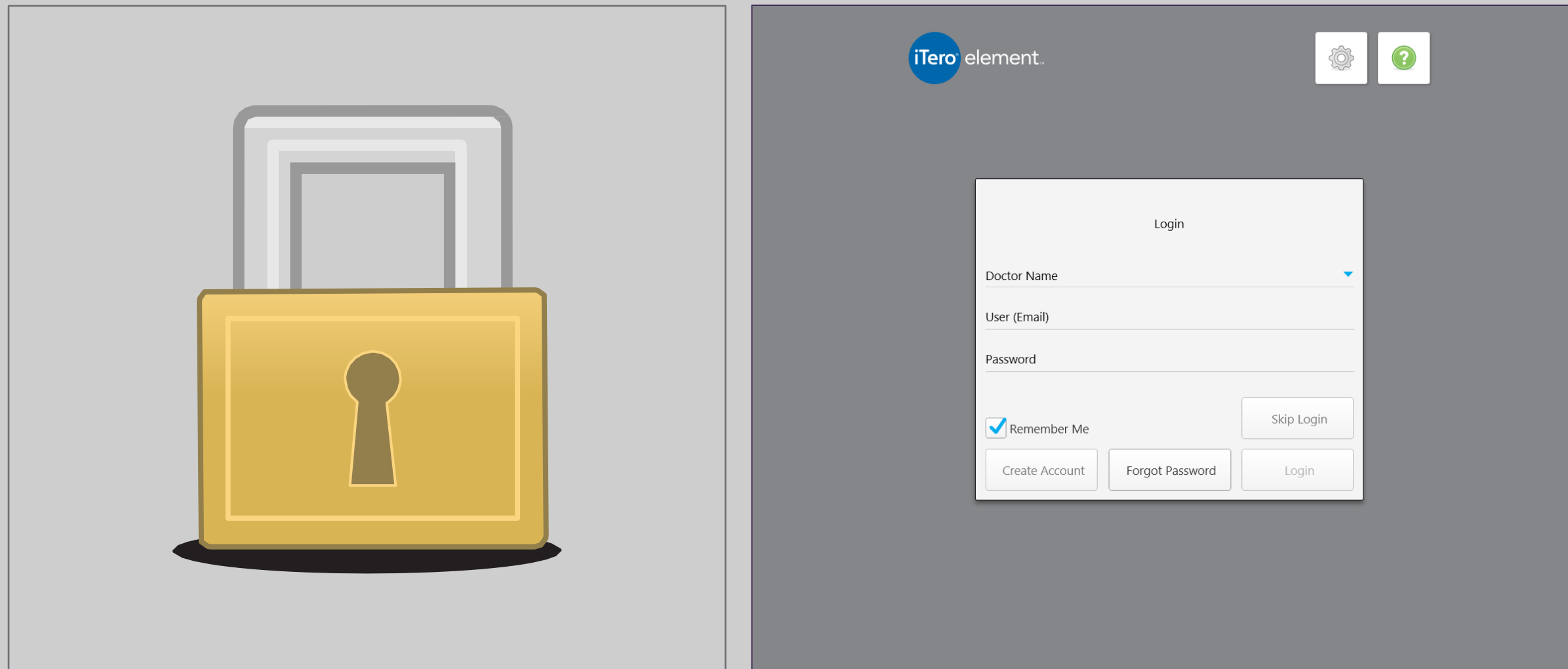


The graduation cap is the link to the Learning Center.

Select this icon to access all training support materials

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

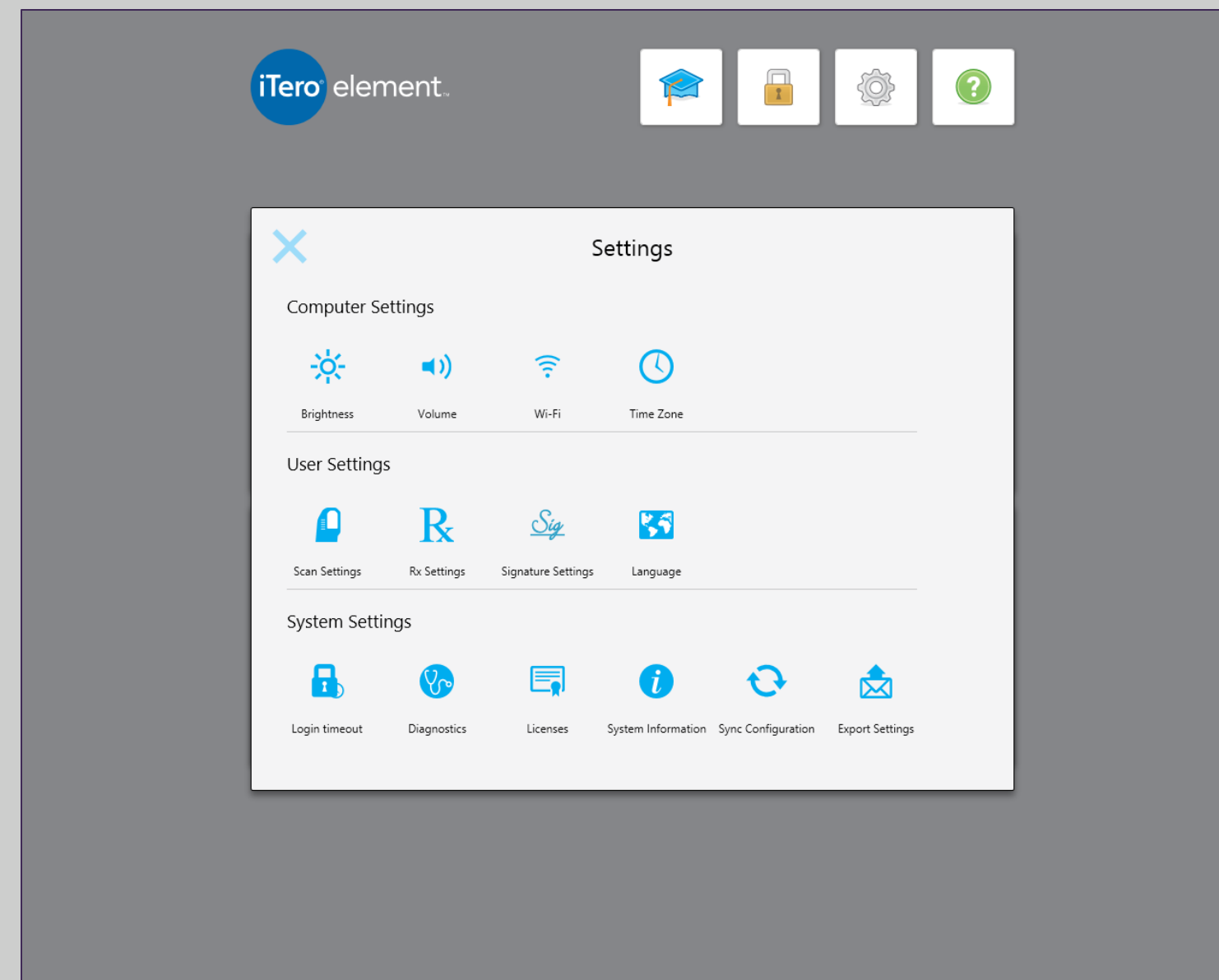
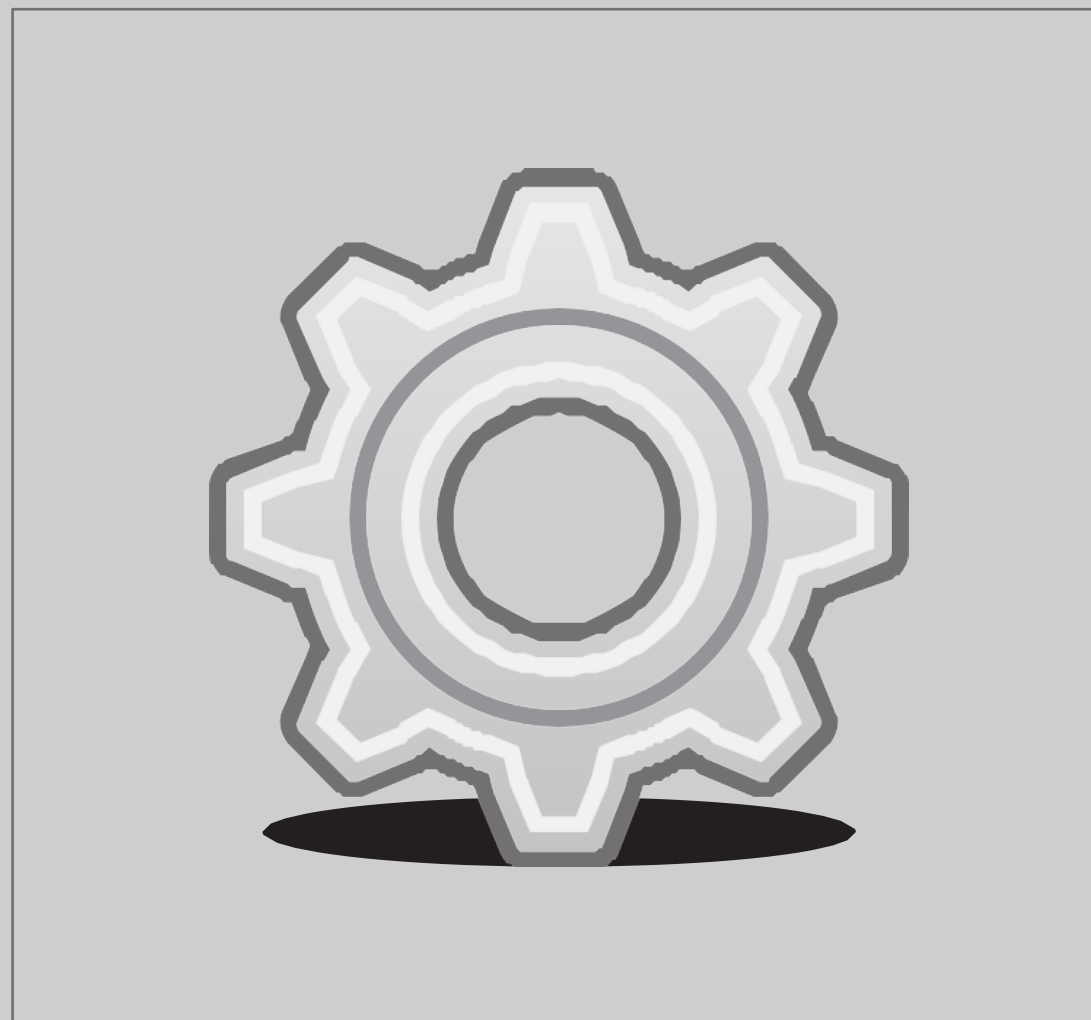
## Small Icons – Lock



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

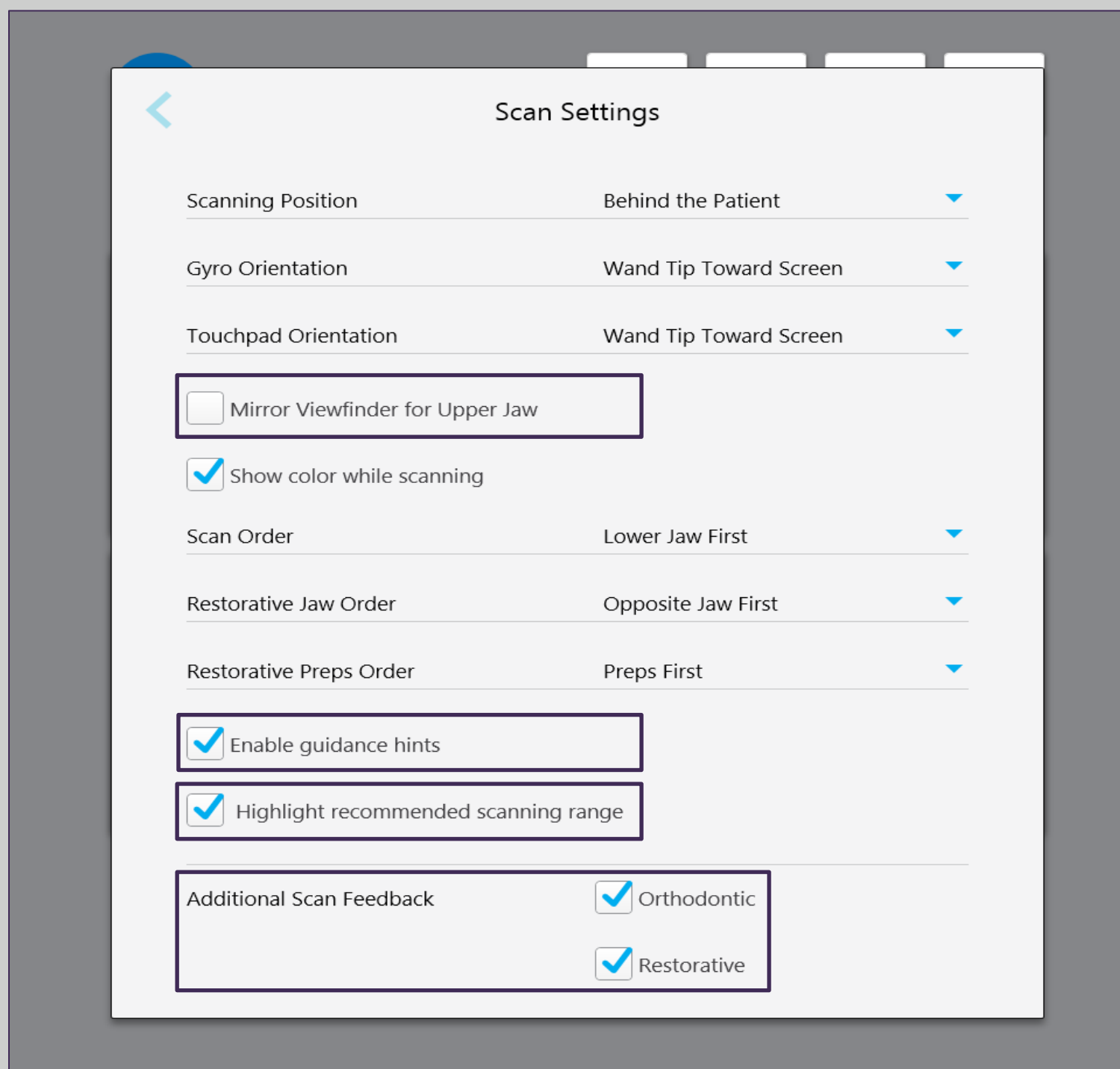
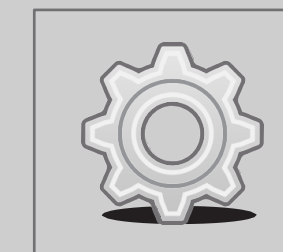
Locking the system for cleaning is helpful to avoid unintended entries.

## Small Icons – Settings

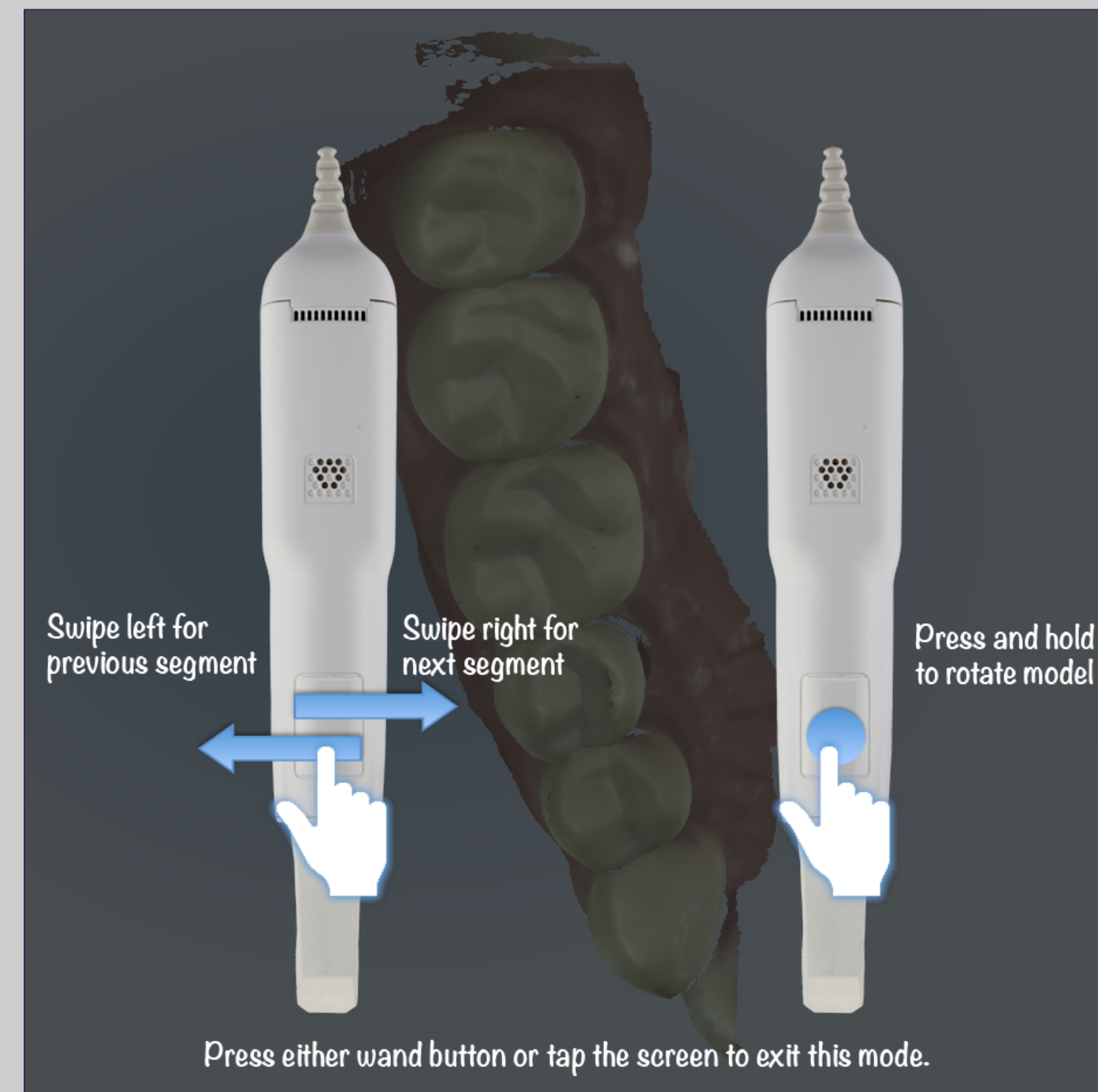


Tapping on the Settings icon brings the screen which allows the change of computer settings, scanner settings, time zone, language, add the Doctor's signature, license number, and sync the system for any new updates.

## Settings – Scanner Settings



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

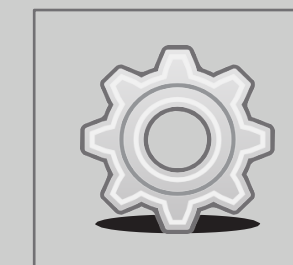


Within the Scanner Settings, select the preference for the Gyro and Touchpad orientation.

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.



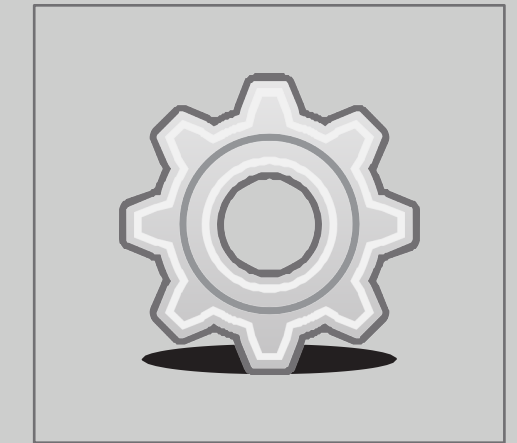
The screenshot shows the 'Scan Settings' menu in the iTero element application. The 'Restorative Preps Order' dropdown is open, showing 'Opposite Jaw First' and 'Prepped Jaw First' as options. Other settings include Scanning Position (Behind the Patient), Gyro Orientation (Wand Base Toward Screen), Touchpad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

Jaw Order





The screenshot shows the 'Scan Settings' menu in the iTero element application. The 'Restorative Preps Order' dropdown is open, showing 'Preps First', 'Arch First', and 'No Guidance' as options. Other settings are identical to the previous screenshot, including Scanning Position, Gyro Orientation, Touchpad Orientation, and various checkboxes.

Preparation Order

# Settings – Scanner Settings



iTero element.

### Signature Settings

License

Signature

Clear

Signature Usage

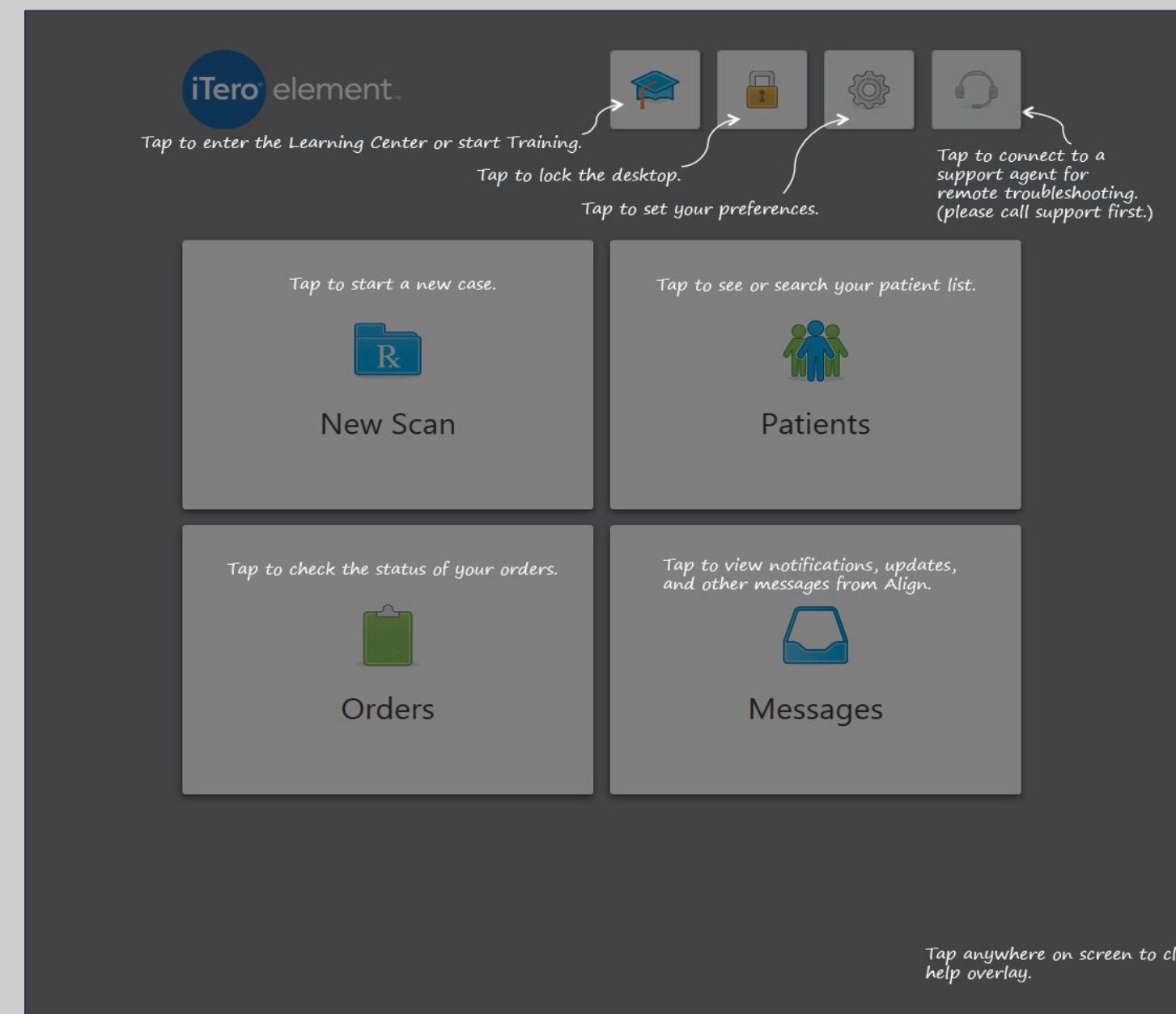
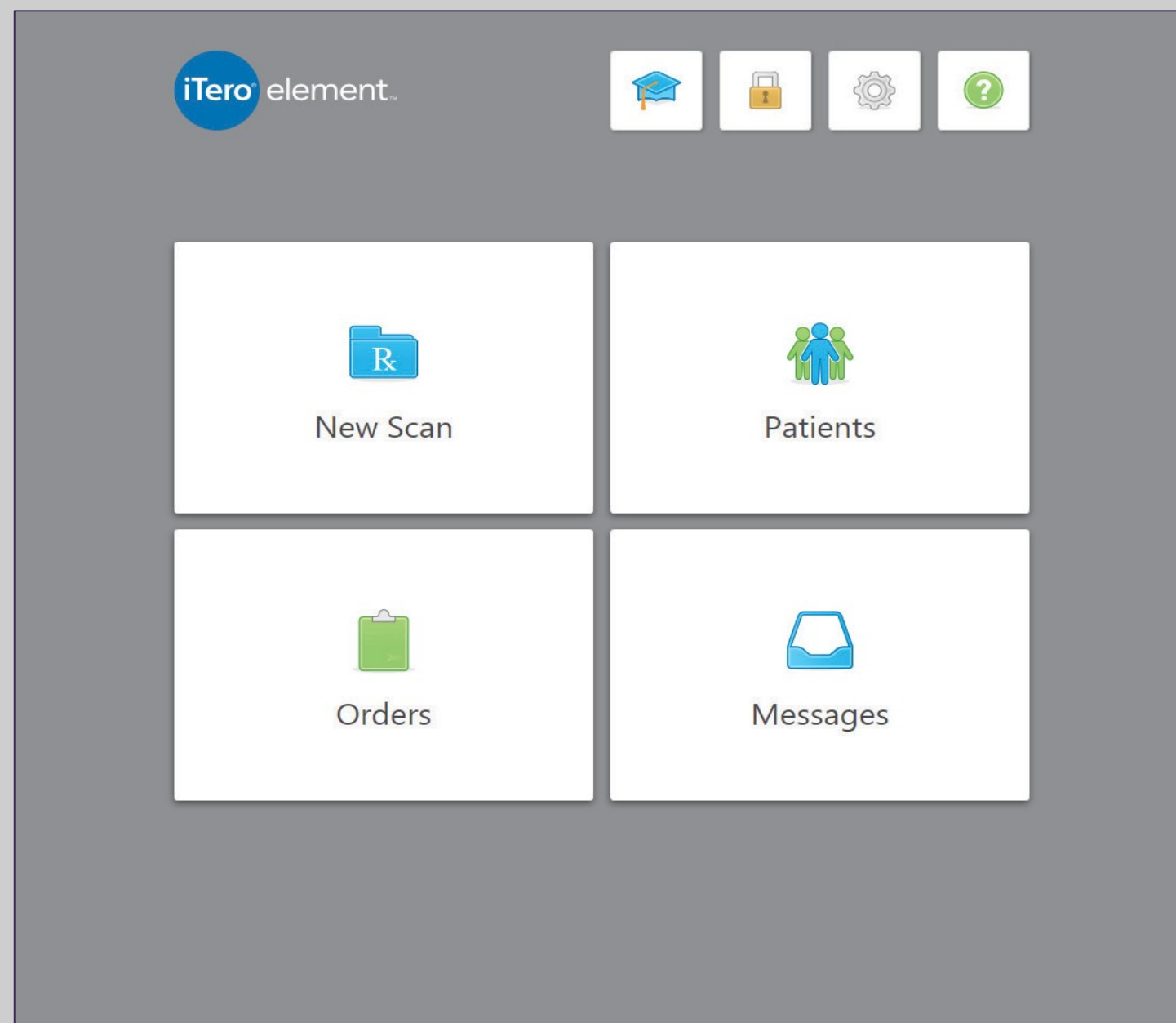
Sign once and save for use with each Rx

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

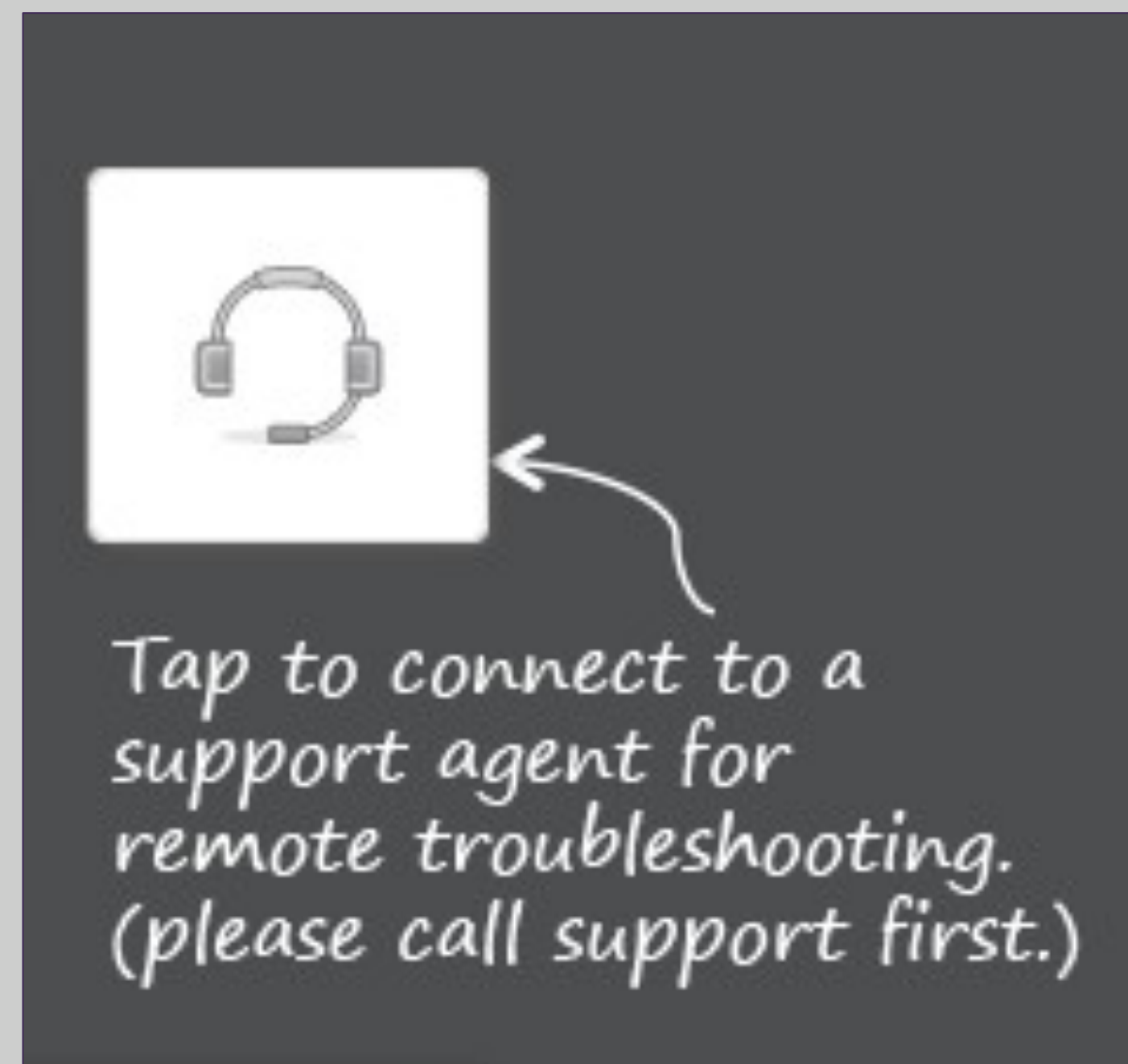
# Help Overlay



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



View

Rx Dr. Wilson, Jill

Additional Scan Feedback

See the Rx form.

Enter Scanning Mode.

Review the Scan (Currently Selected)

Send and Approve the scan.

Tap on the upper arch or a tooth to select it

Tap on the lower arch or a tooth to select it

Scan Color Toggle

Both

Rotate 3D model with a single finger movement.

Rotate model around the center axis with a clockwise or counter-clockwise movement using two fingers.

Move (pan) model to a new location by dragging it with two fingers.

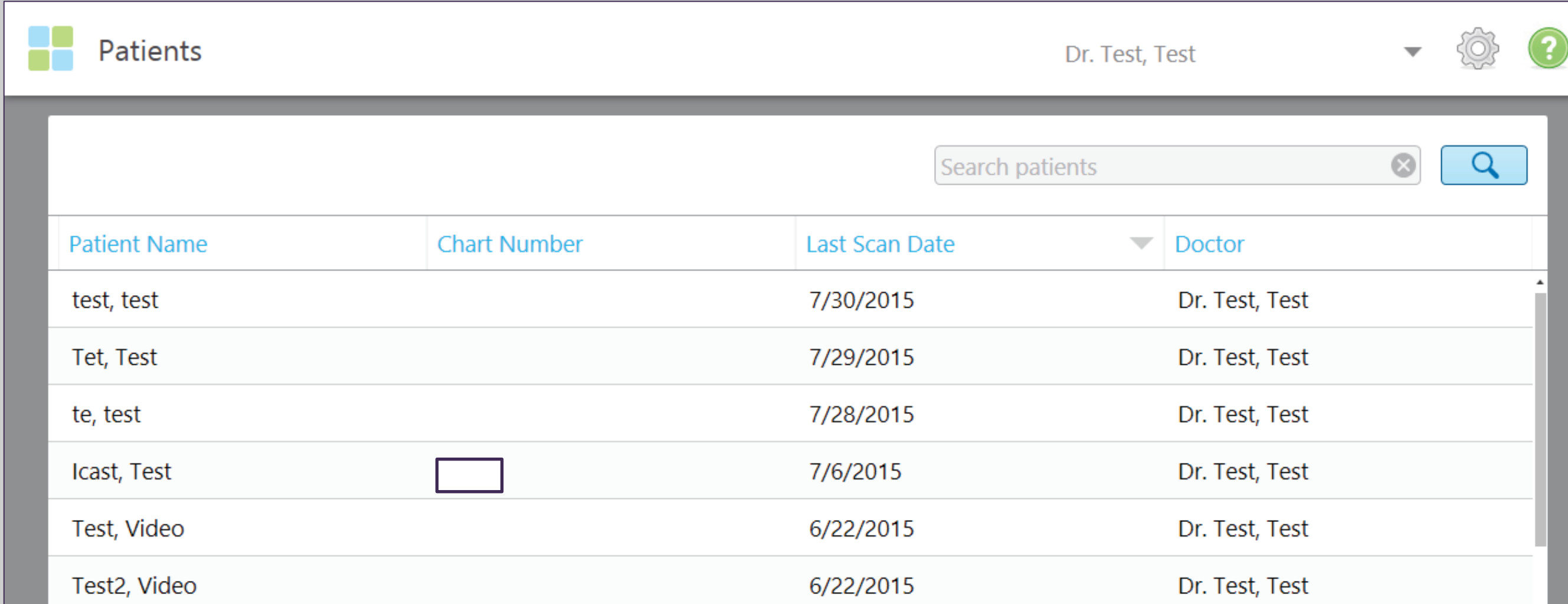
Tap with two fingers to resize and center the model on screen.

Tap the desired tool to expand the toolset. To close an expanded toolset, tap the minus icon in the upper left tool area.

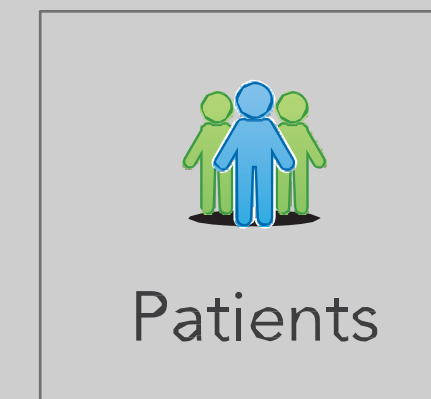
Tap anywhere on screen to close this help overlay.

- 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



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



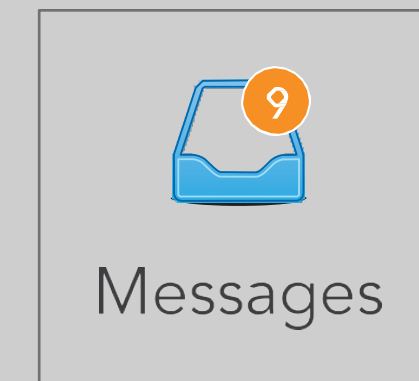
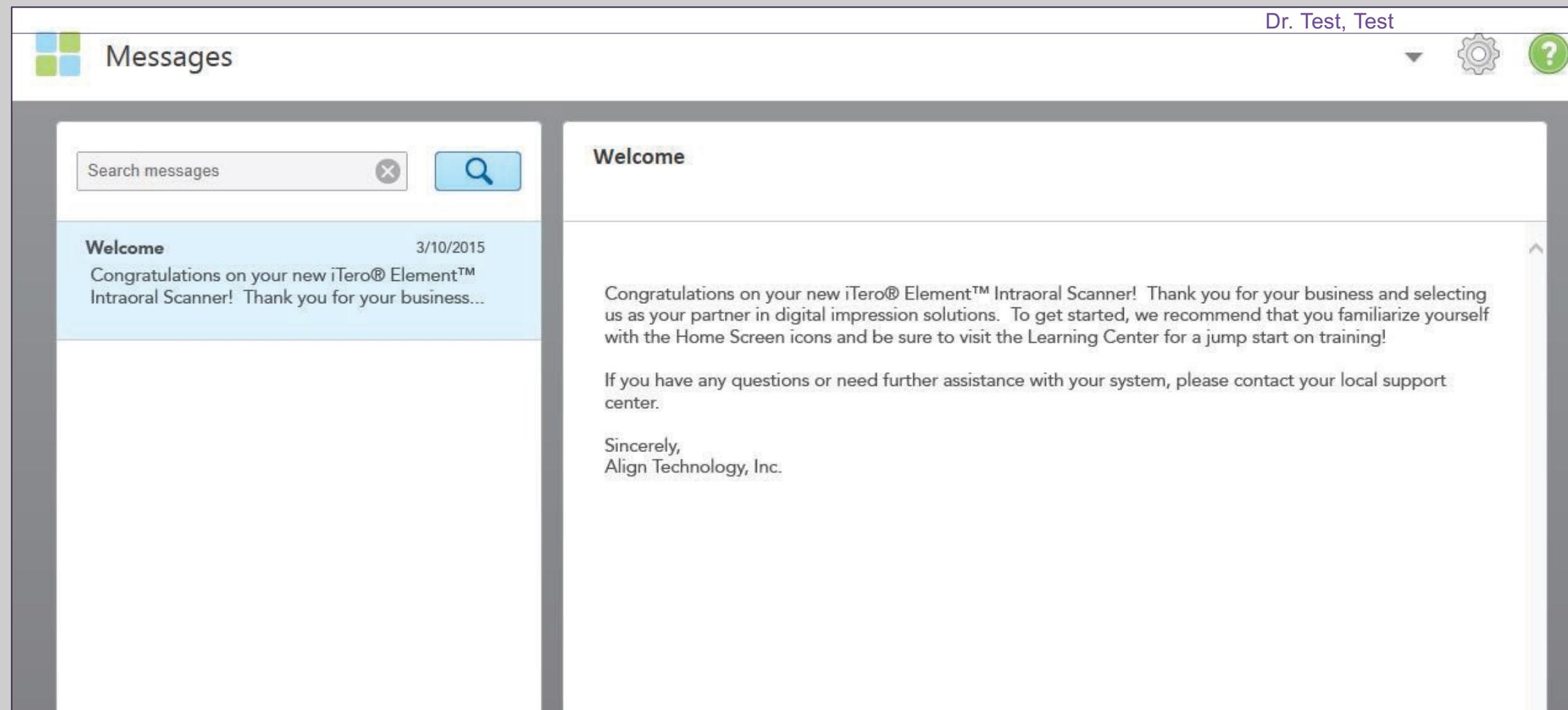
Patients

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

<p>Name Smith-Doe, John</p> <p>Chart Number</p> <p>Last Scan 05/05/2016</p> <p><a href="#">New Scan</a></p>	<p><b>Orders</b></p> <table><thead><tr><th>ID</th><th>Scan Date</th><th>Doctor</th><th>Case Type</th><th>Status</th></tr></thead><tbody><tr><td>9358961</td><td>05/05/2016</td><td>Dr. Test, Test</td><td>iRecord</td><td>Completed</td></tr></tbody></table> <p><a href="#">View Rx</a> <a href="#">Viewer</a> <a href="#">Add Rx</a></p> <p><a href="#">Invisalign Outcome Simulator</a></p>	ID	Scan Date	Doctor	Case Type	Status	9358961	05/05/2016	Dr. Test, Test	iRecord	Completed
ID	Scan Date	Doctor	Case Type	Status							
9358961	05/05/2016	Dr. Test, Test	iRecord	Completed							




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

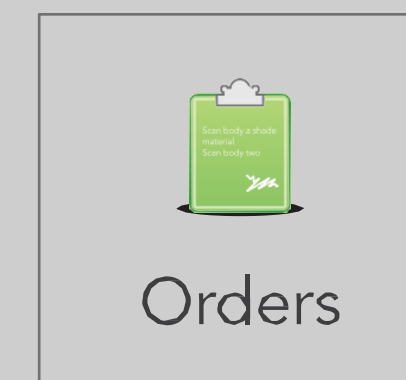
 Orders
Dr. Align, Test ▼  

**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

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**In Progress**

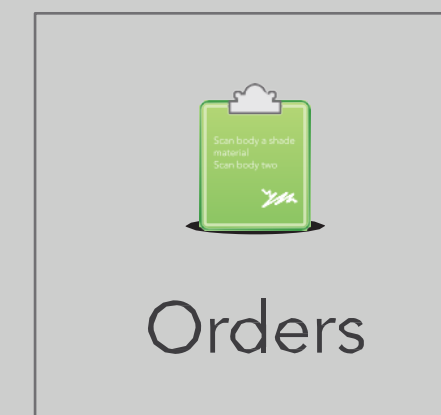
ID	Patient Name	Chart Number	Scan Date	Doctor	Case Type	Status
	Test, Real-Color		05/04/2016 08:14:13	Dr. Test, Test	Invisalign + if	Scanning
	Test, Susan		05/03/2016 16:47:08	Dr. Test, Test	Restorative	Scanning
	test, test		05/06/2016 12:13:27	Dr. Test, Test	Invisalign + if	Scanning
	Test, Test		02/22/2016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

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**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

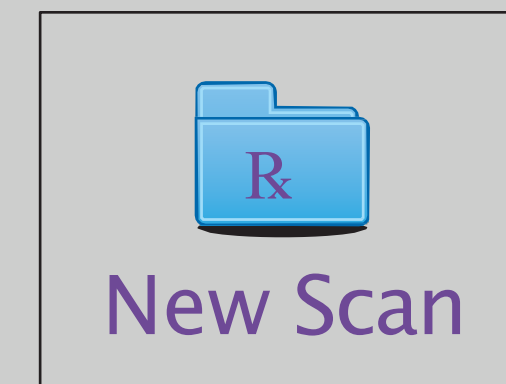
First Name: \* Case Type: \*

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' 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

Scan

R

Dr. Test, Test

Lower

- Scan the complete occlusal surface, beginning from either side terminal molar.
- Continue by rolling to the lingual and scanning the complete lingual surface.
- Roll over to the buccal and scan from the molar to the midline. Move to the opposite side terminal molar and scan to the midline to complete the buccal surface.
- Finish the arch by rolling over the anterior teeth. Begin in the lingual area behind the cuspid and lateral and roll over to buccal. Repeat on the opposite side cuspid and lateral.

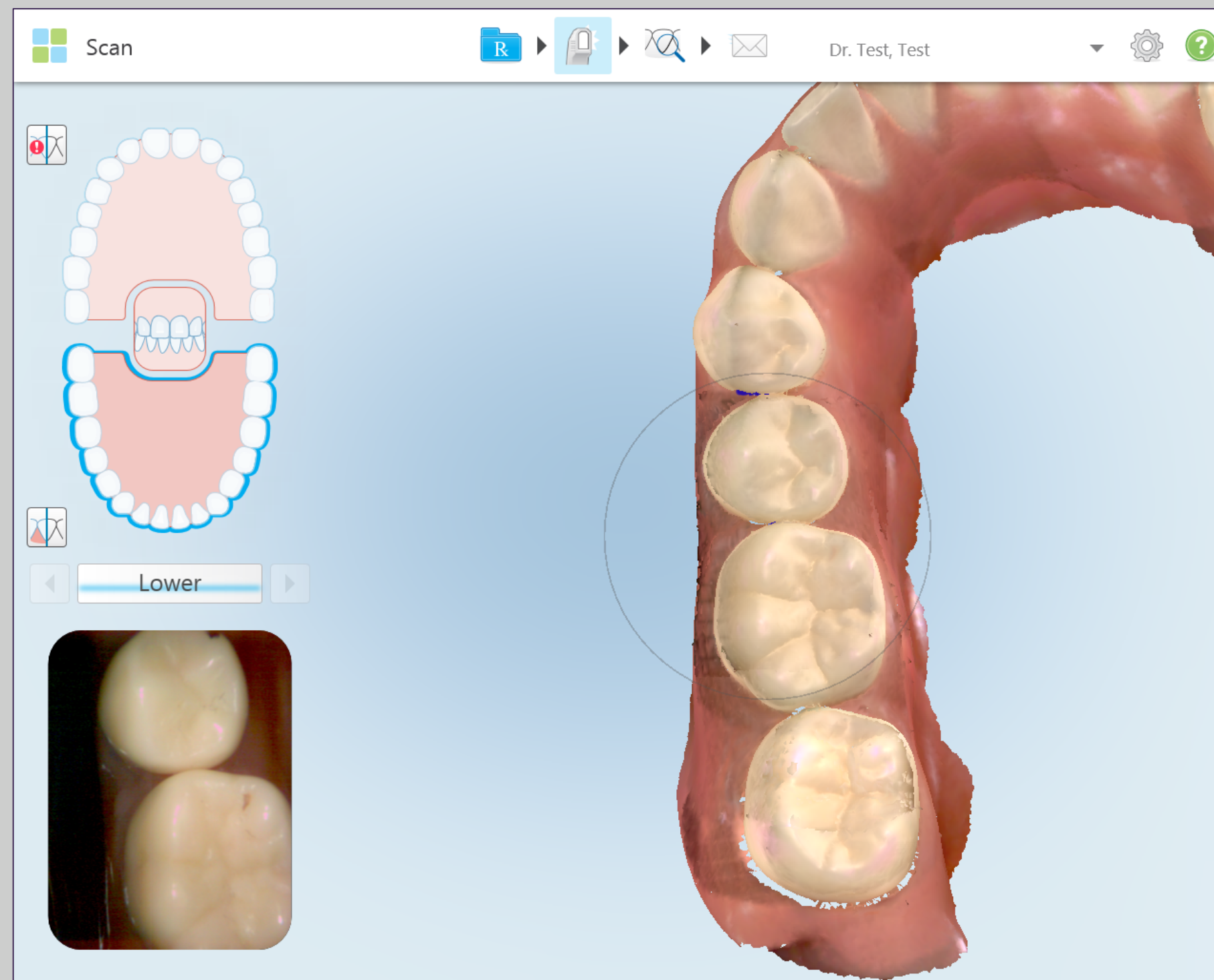
Don't show again

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)

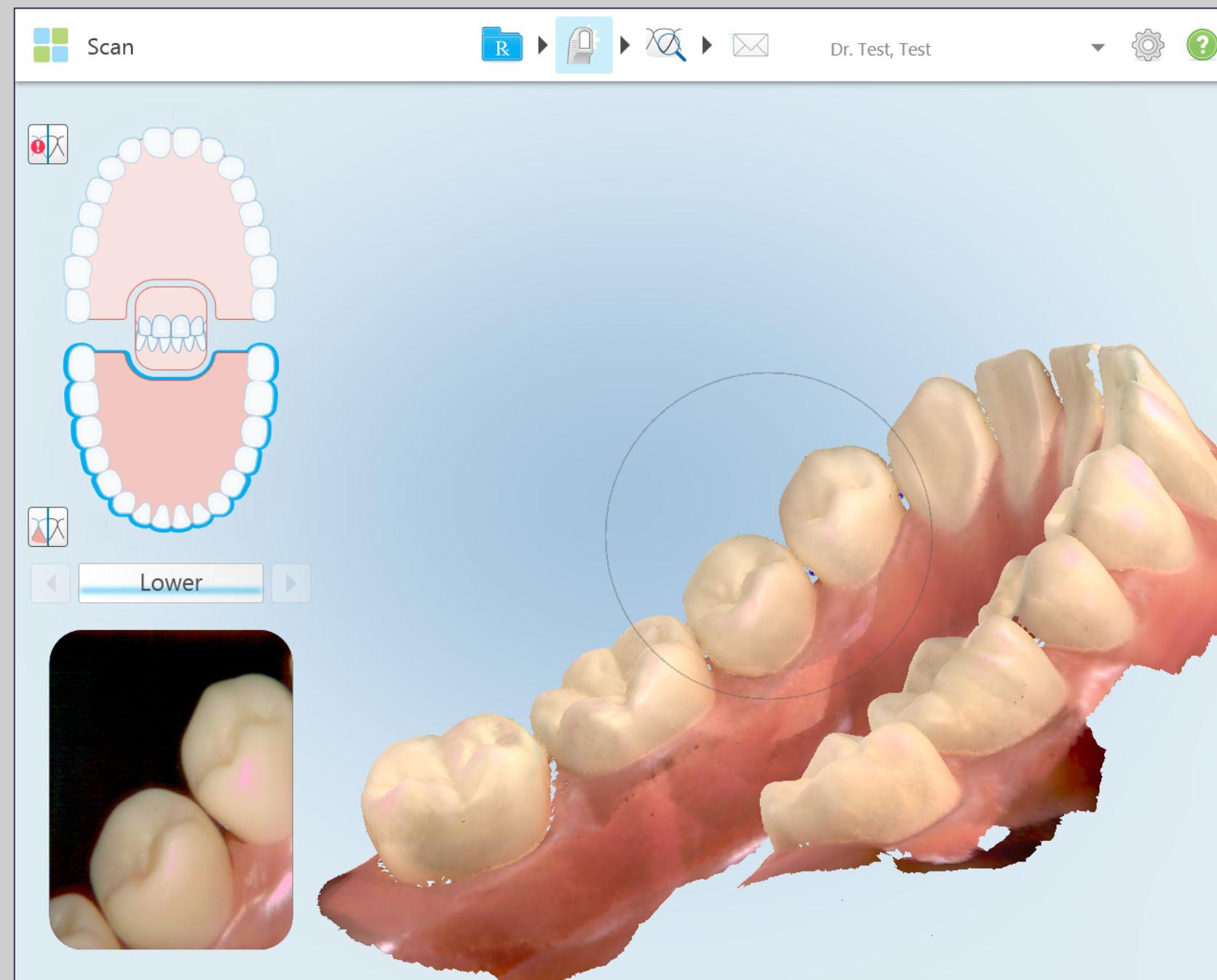


**Scan the occlusal surface in a single continuous motion.**

**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

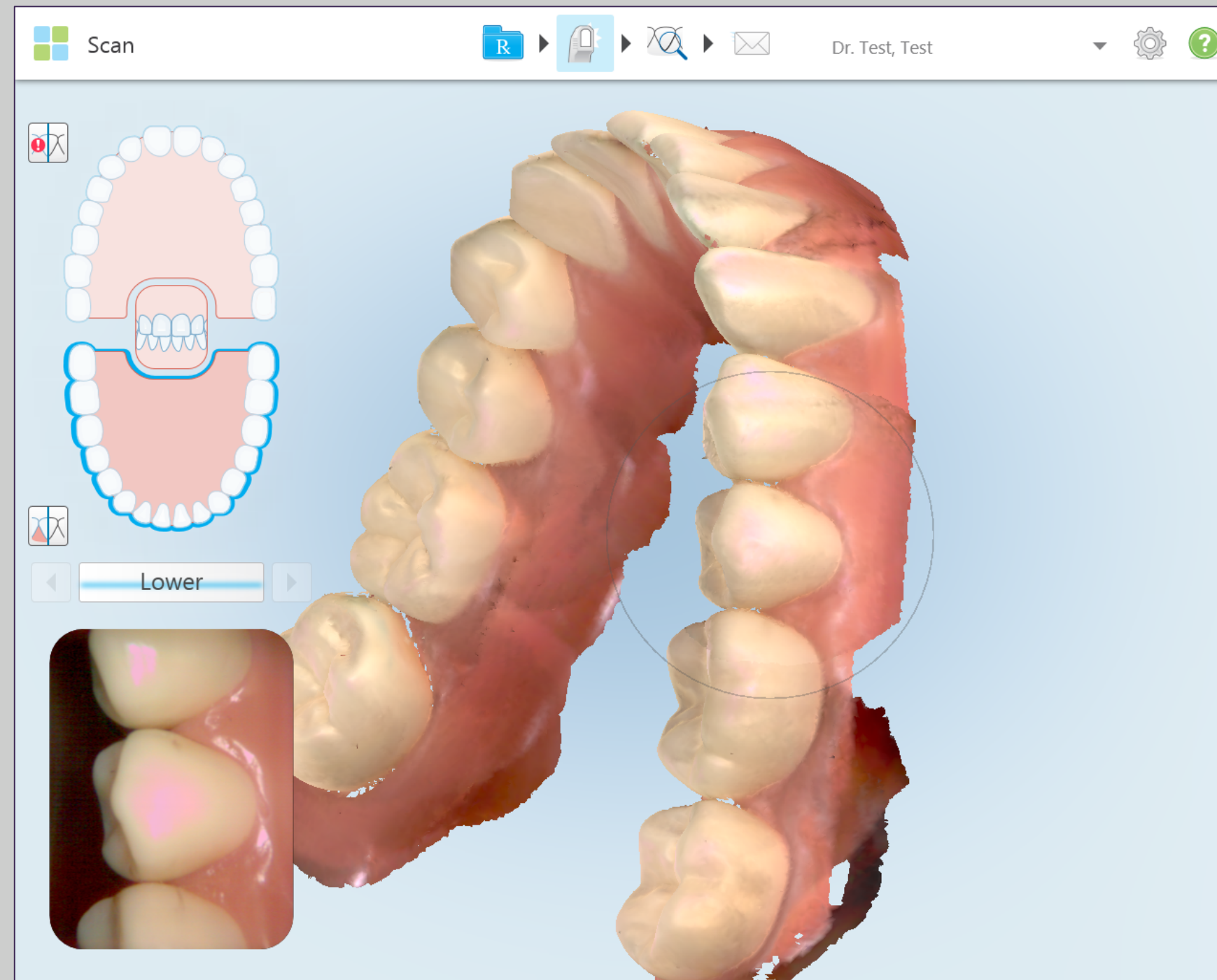


**Scan the lingual by rolling from the occlusal. Bring the cable end of the wand out to the side and maintain a vertical 45 degree angle of the wand tip to the lingual surface.**

**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



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.

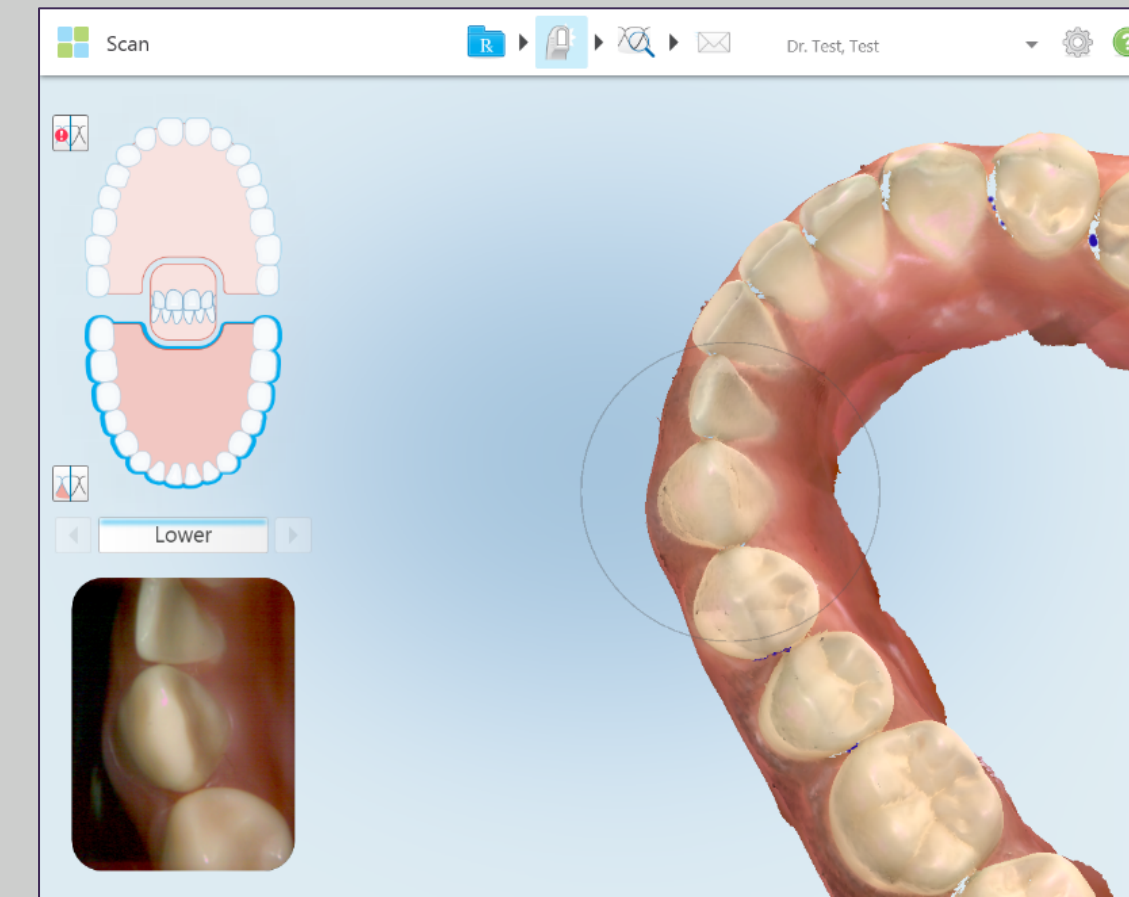
Moving from posterior to anterior on the buccal reduces the interference from the cheek and provides a smoother scanning experience.

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.

## 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.

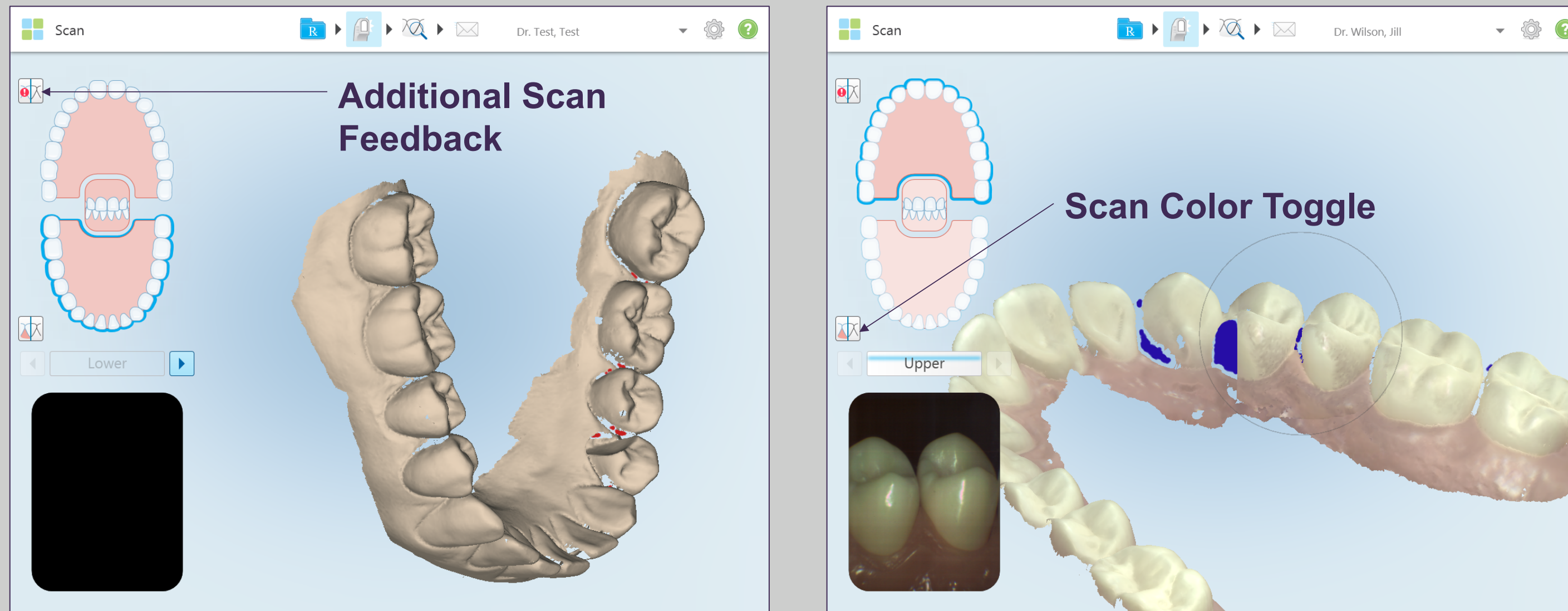


These scans help to ensure the lingual segments and buccal segments are joined with accurate incisal surfaces.

This step is critical for properly fitting Invisalign clear aligners.

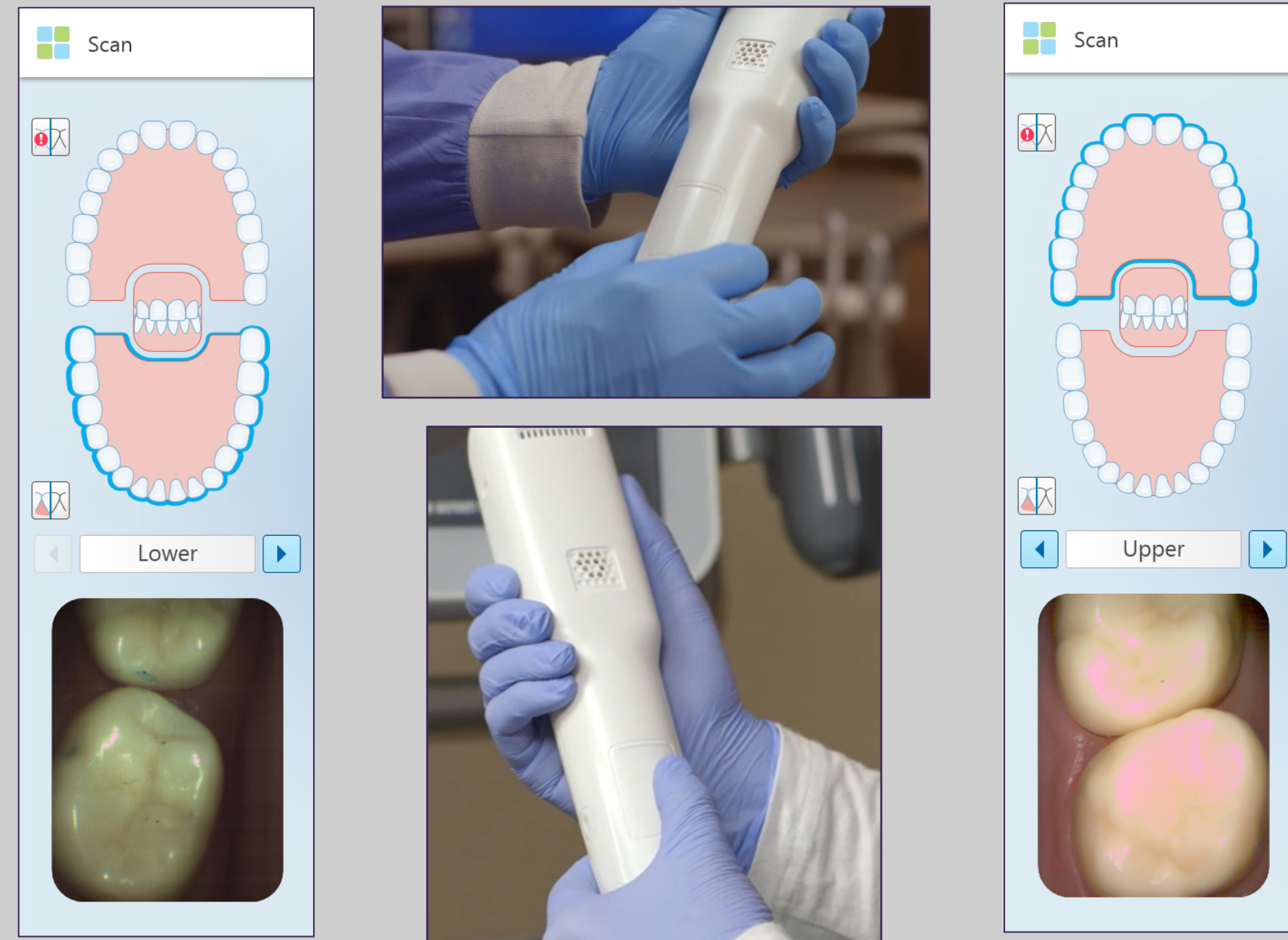


## Optimized Scanning



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

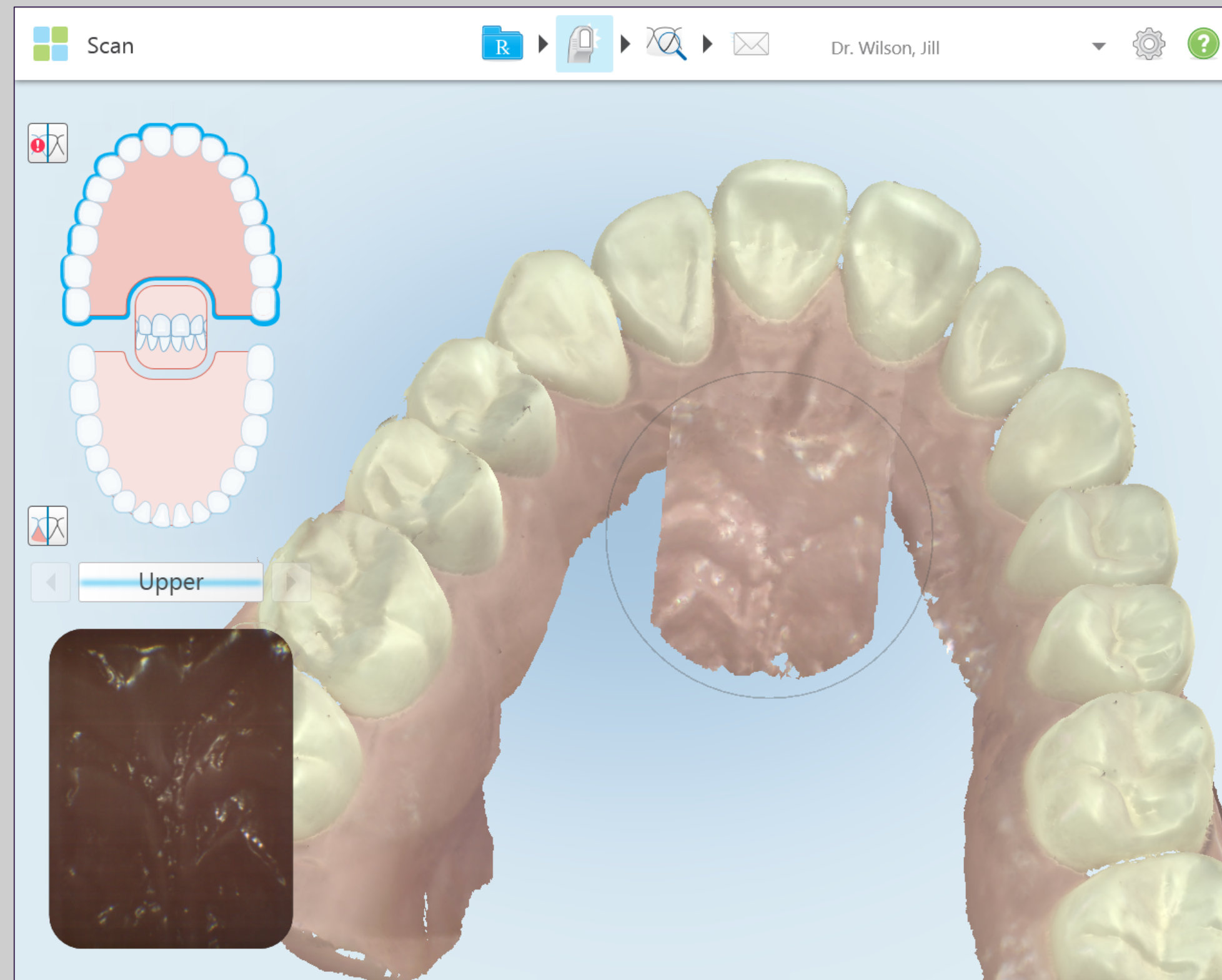


Switch to the opposing arch by pressing on the arch on the touchscreen or use the touchpad on the wand.

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



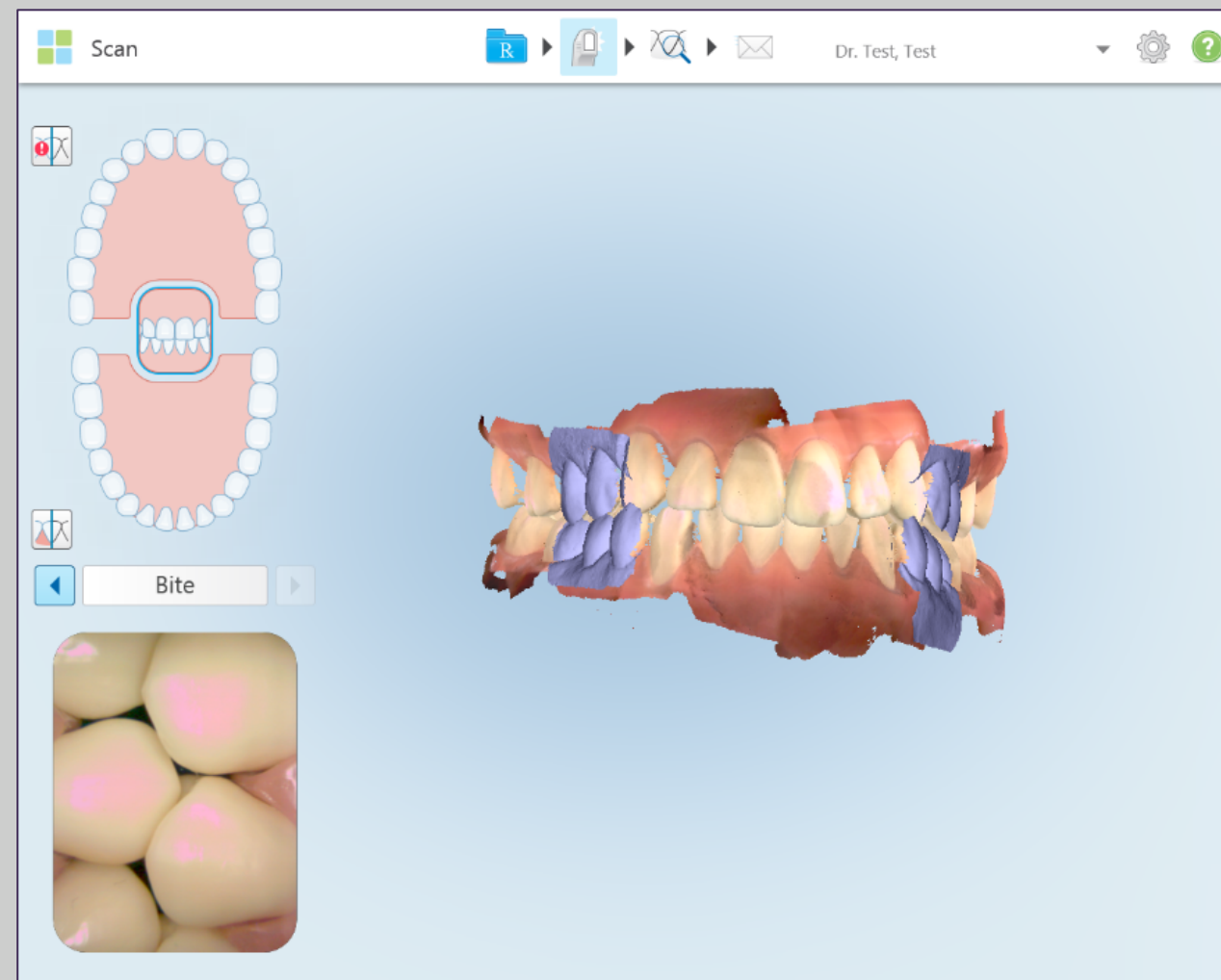
## Scanning the Palate



- 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

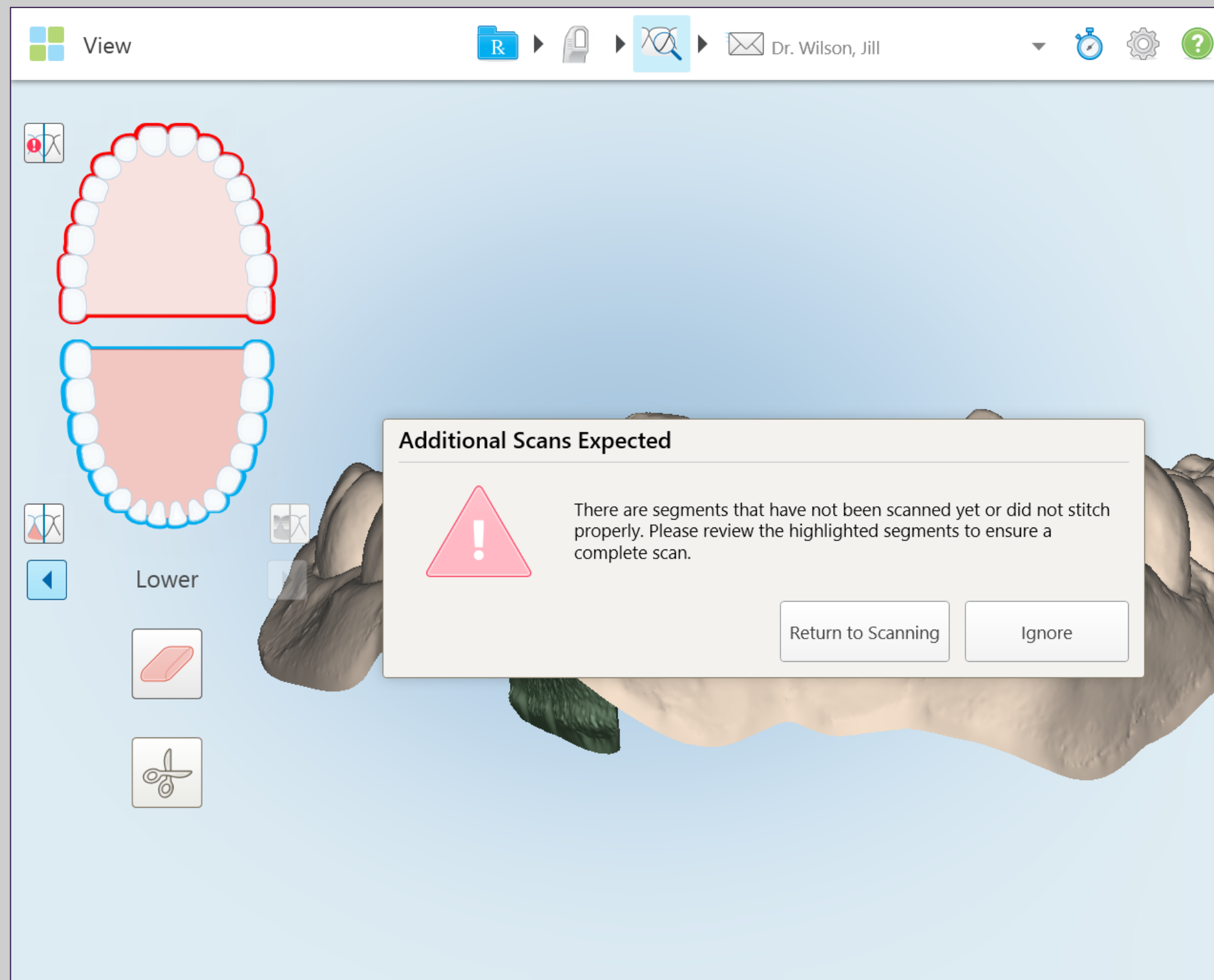
The final segment is the bite. Prior to scanning, confirm the patients bite. Have the patient open, use the wand to retract the cheek, and have patient close in centric occlusion. Bring the wand tip gently against the tooth anatomy.



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



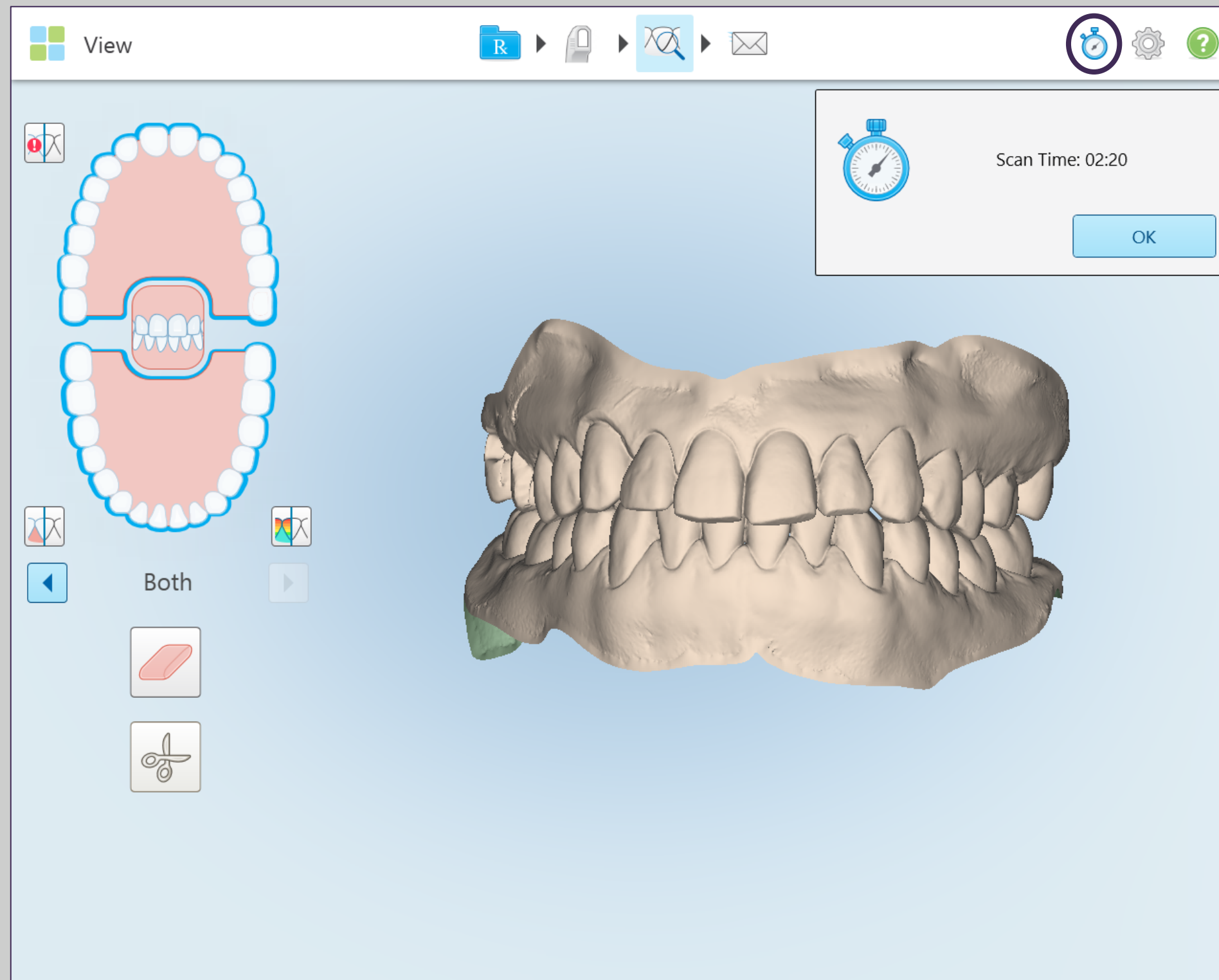
## Missing Scan Segments



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

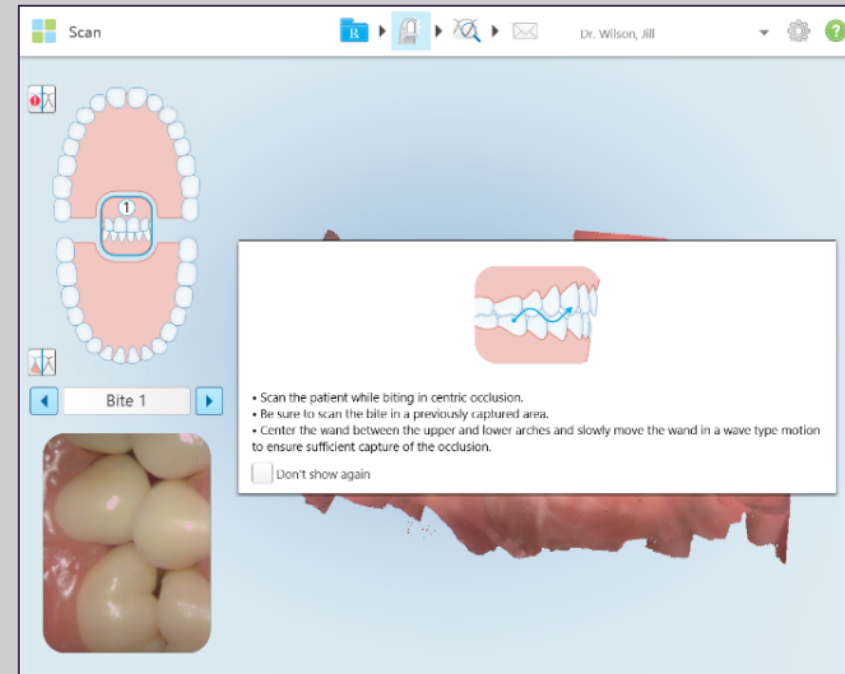


After you are done scanning, you can use the Scan Timer icon to view your scanning time.

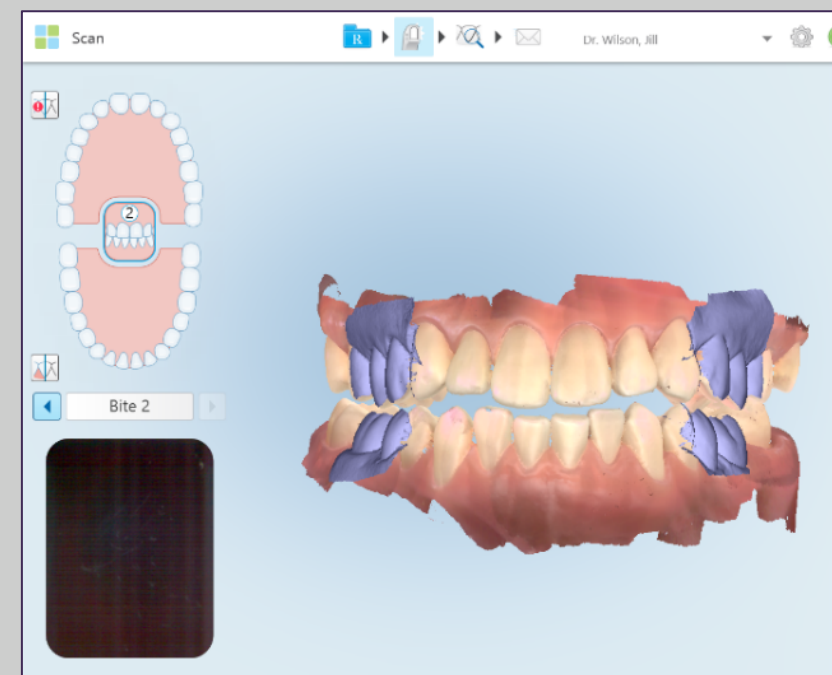
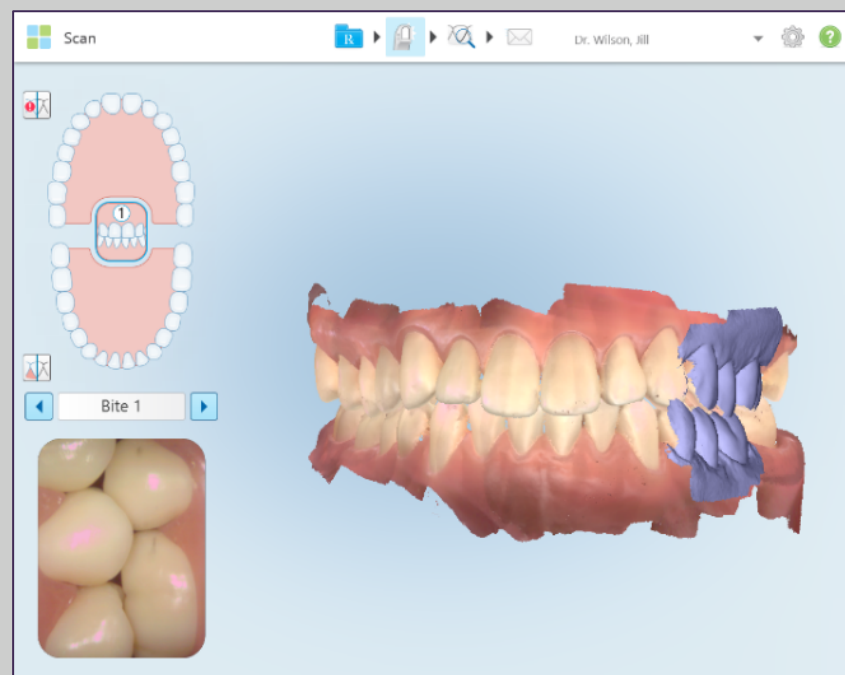
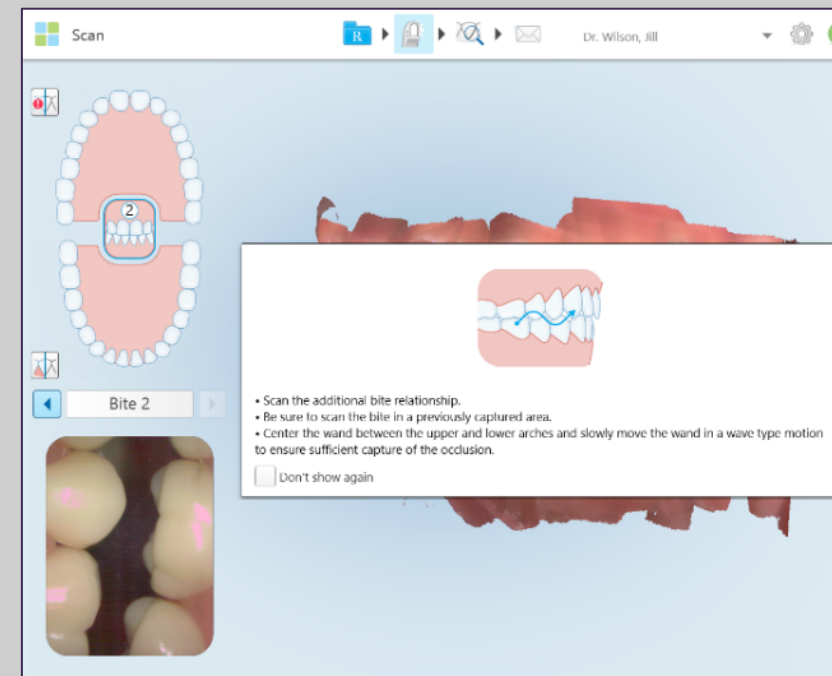


## Multi-Bite

### 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.

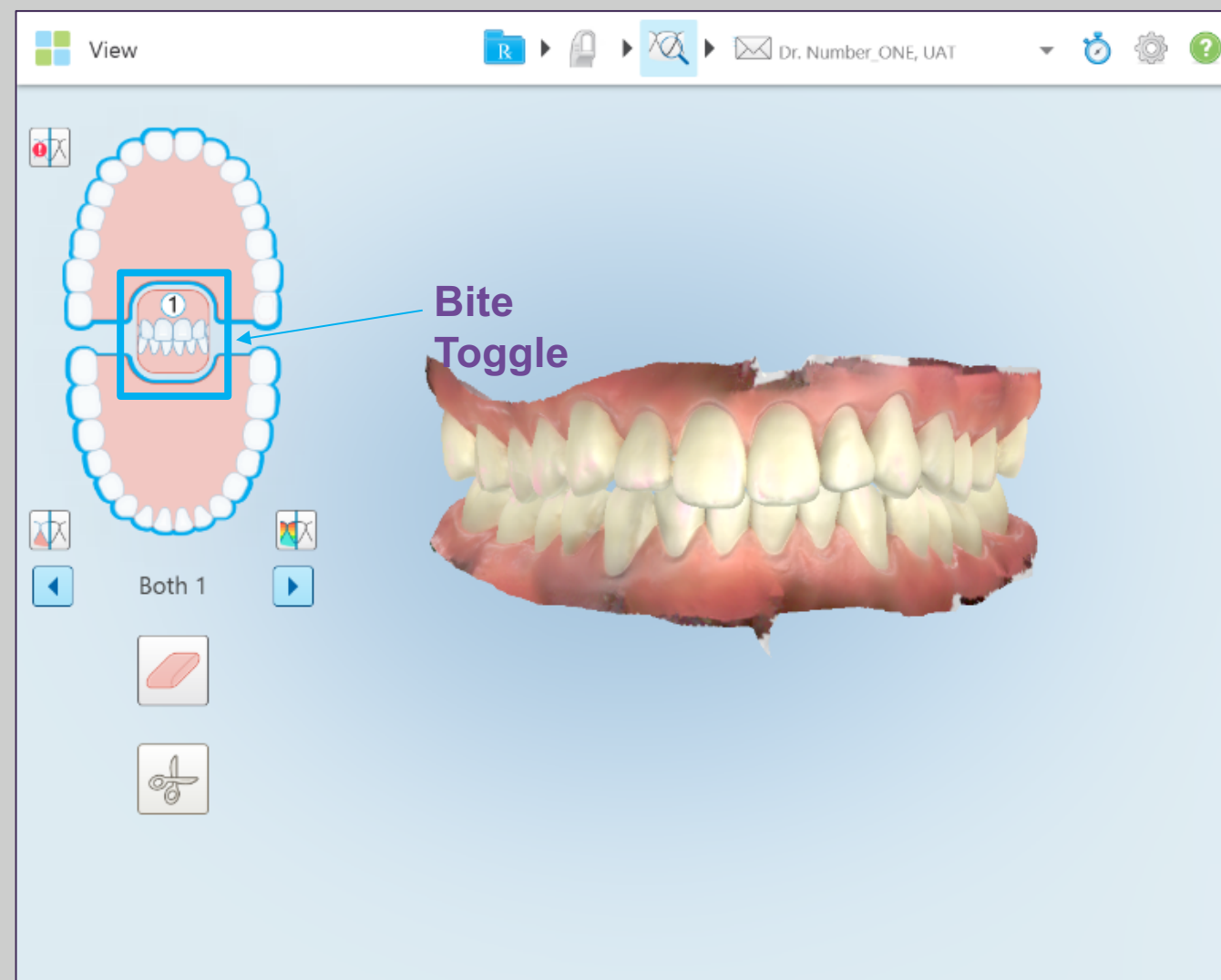
Some examples are:

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

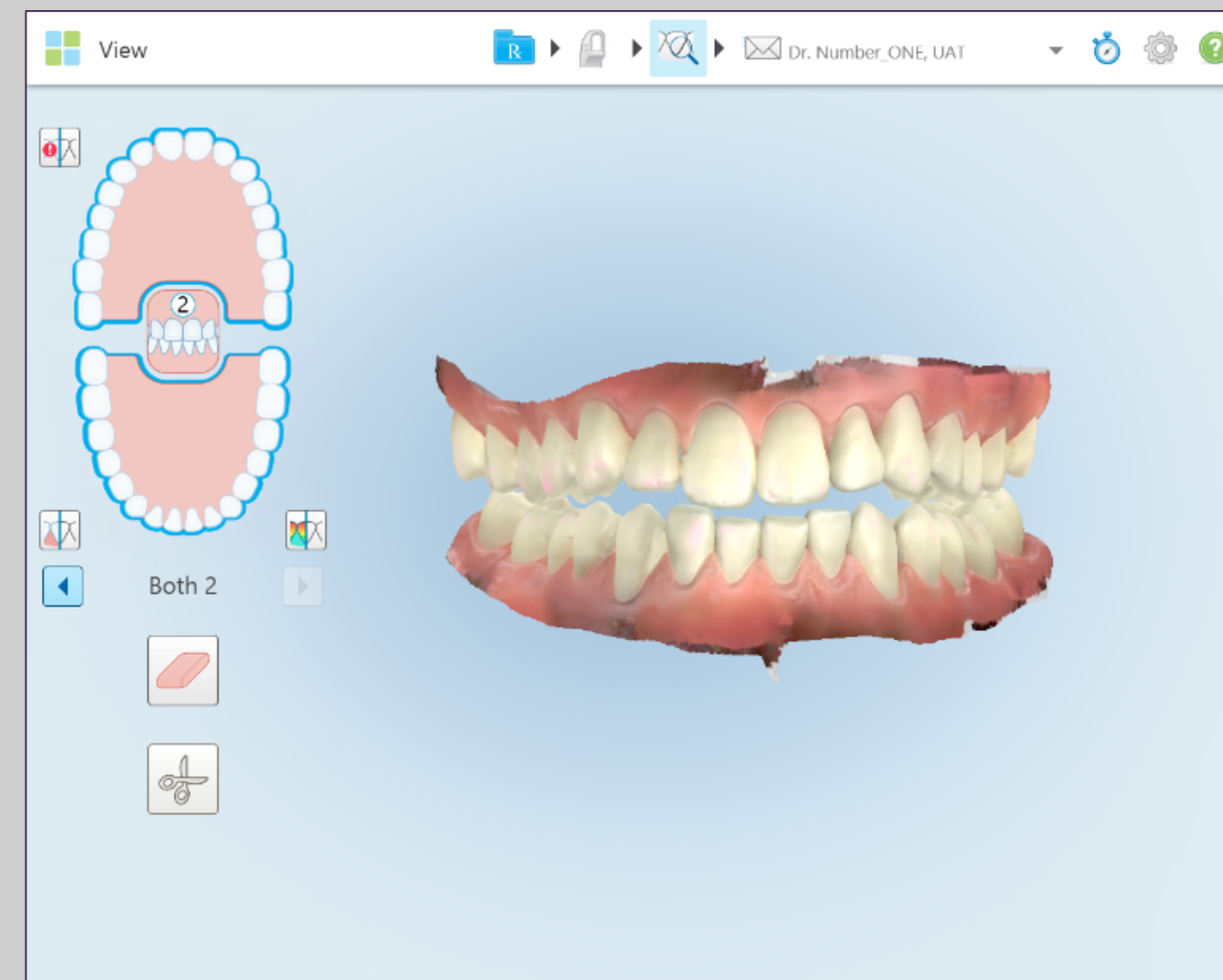
The segments will be registered as always as purple scans at the bicuspid and molar area.

## 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:

- Header:** "Patient: Demo, Gingival" with a back arrow on the left and settings and help icons on the right.
- Left Panel:** Patient information including Name (Demo, Gingival), Chart Number (GD1234), and Last Scan (03/21/2017). A "New Scan" button is located at the bottom of this panel.
- 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. The timeline is flanked by left and right navigation arrows.
- Bottom Panel:** A "Compare Selected" button is positioned at the bottom right of the interface.

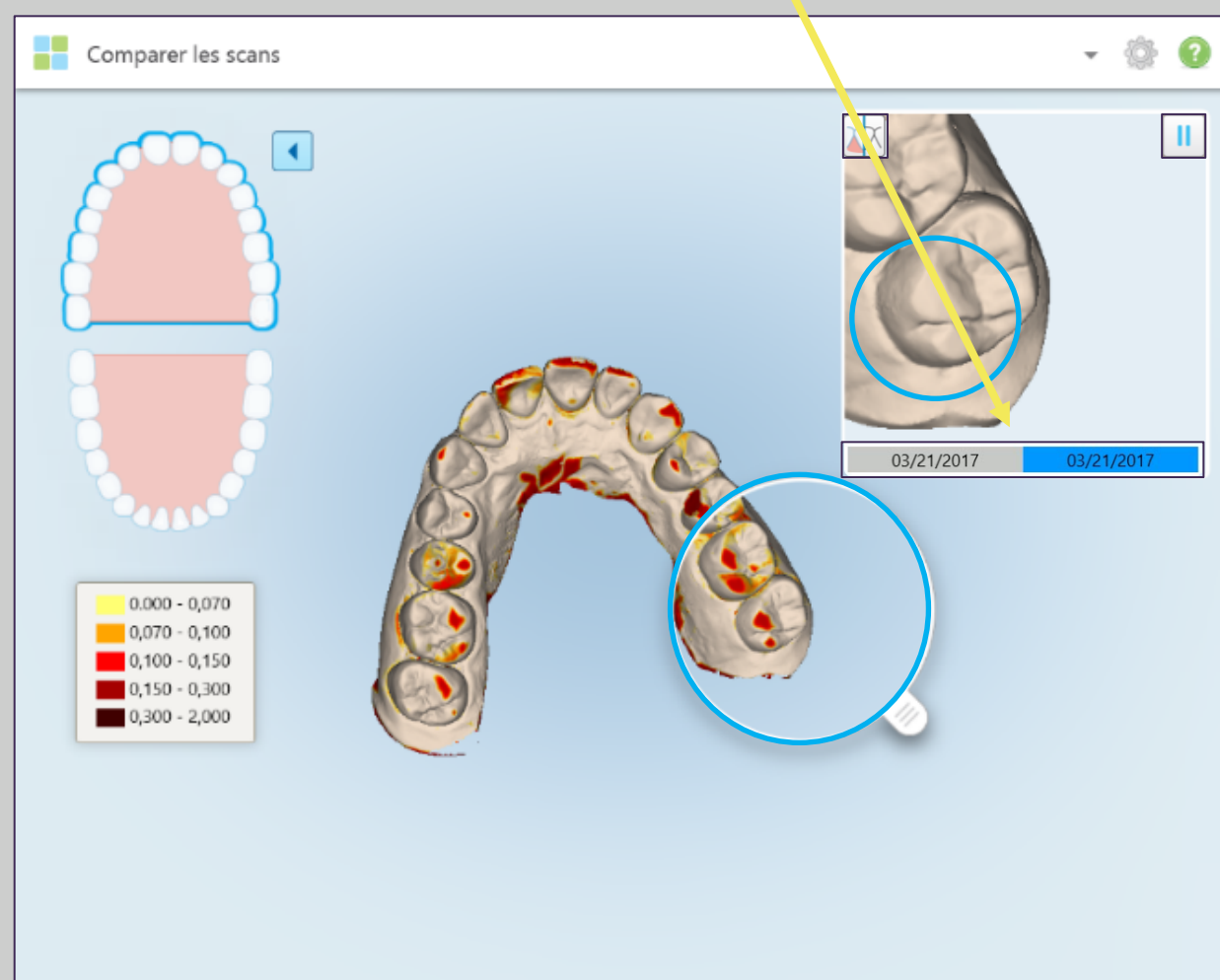
ID	Scan Date	Case Type	Status
<input checked="" type="checkbox"/> 11324322	03/21/2017	iRecord	Completed
<input checked="" type="checkbox"/> 11324306	03/21/2017	iRecord	Completed

**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.**

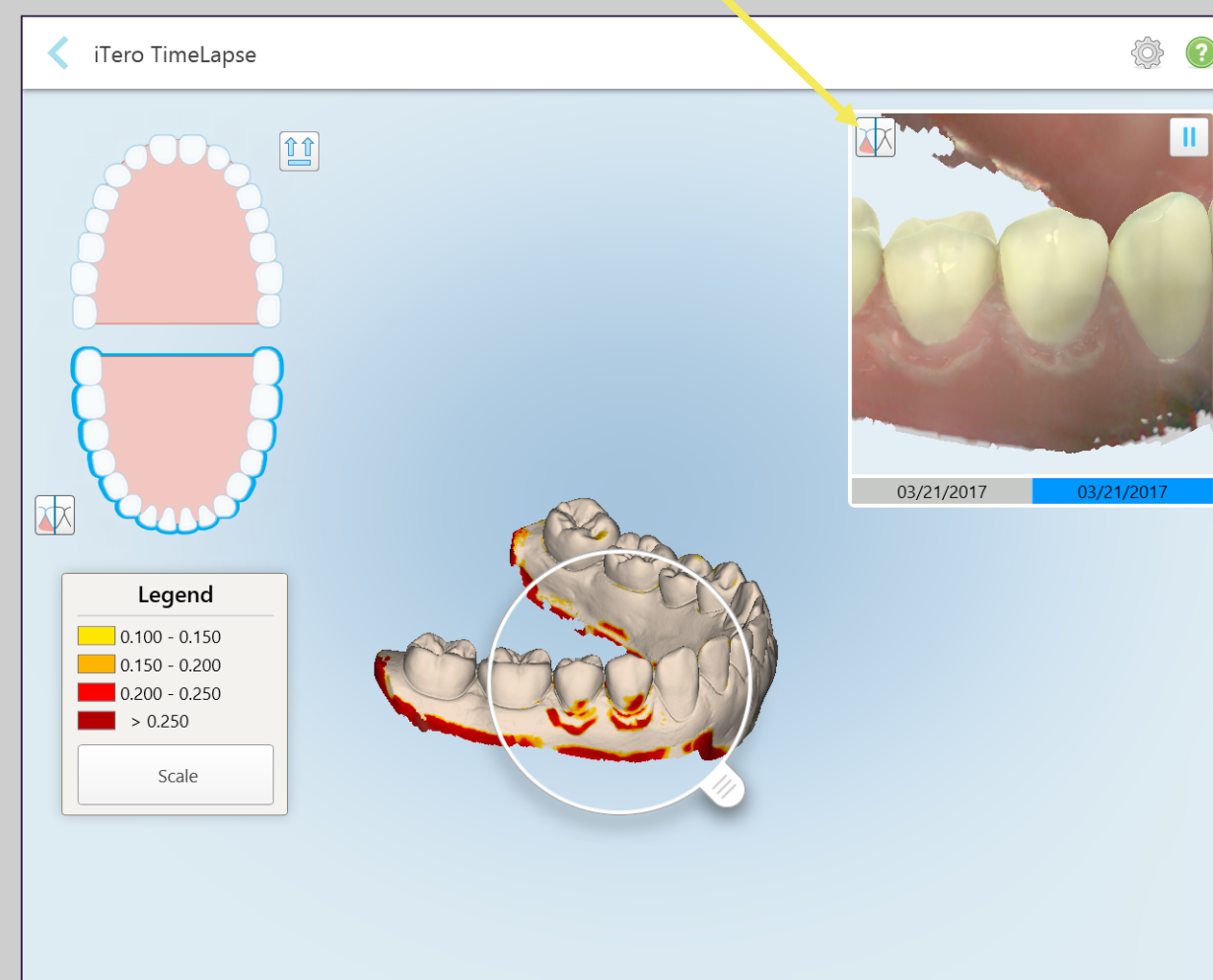
## iTero TimeLapse

Animated Timeline



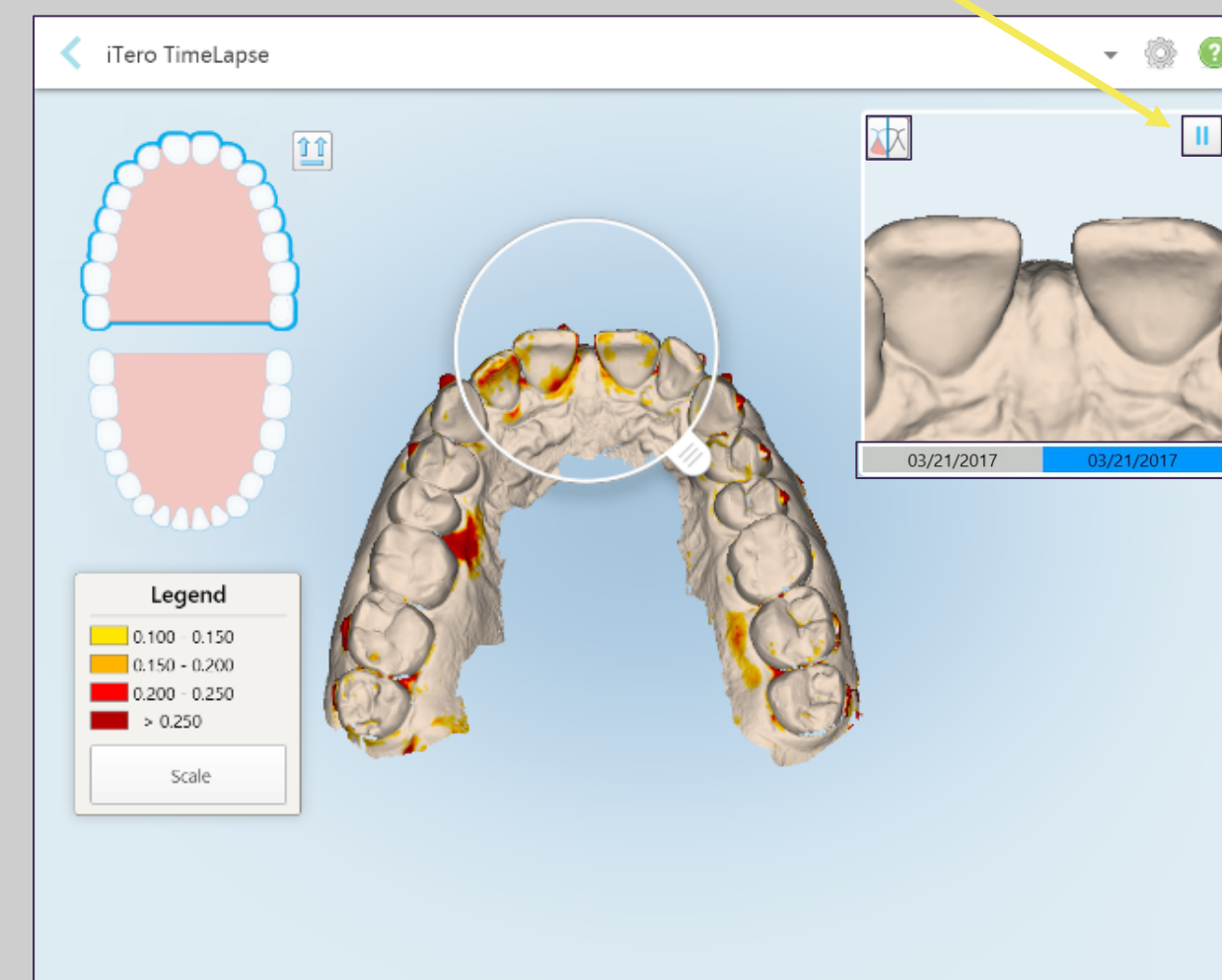
Tooth Wear

Color Toggle



Gingival Recession

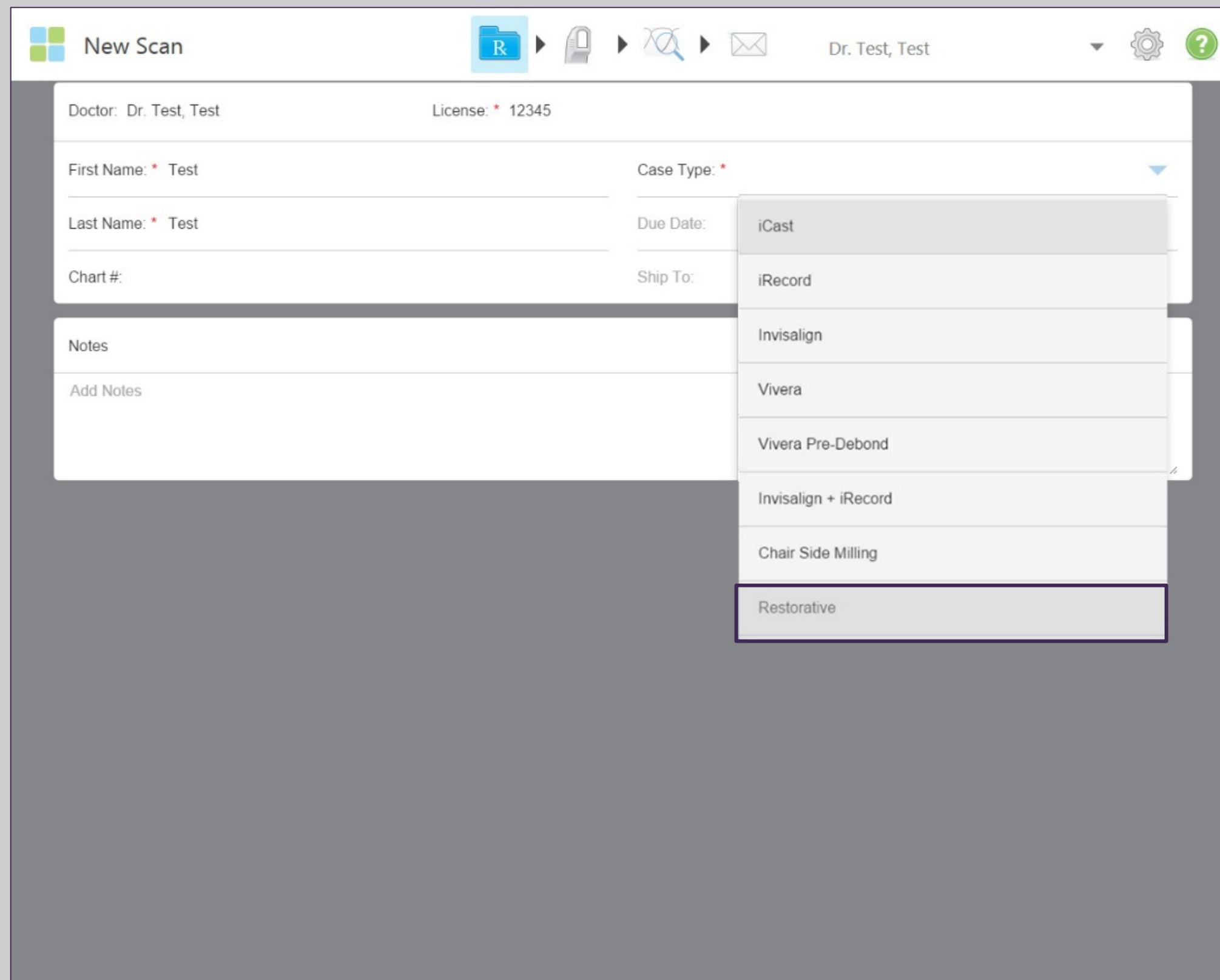
Play/Pause animation



Tooth Movement



## Large Icons / New Scan

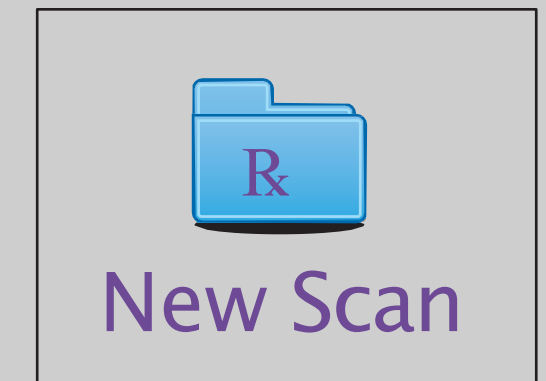


The screenshot shows the 'New Scan' application window. The title bar includes a 'New Scan' icon, a folder icon with an 'R', a scanner icon, a magnifying glass icon, an envelope icon, and the user name 'Dr. Test, Test'. The main form contains the following fields:

- Doctor: Dr. Test, Test
- License: \* 12345
- First Name: \* Test
- Last Name: \* Test
- Chart #:
- Case Type: \* (dropdown menu)
- Due Date:
- Ship To:
- Notes (Add Notes)

The 'Case Type' dropdown menu is open, showing the following options:

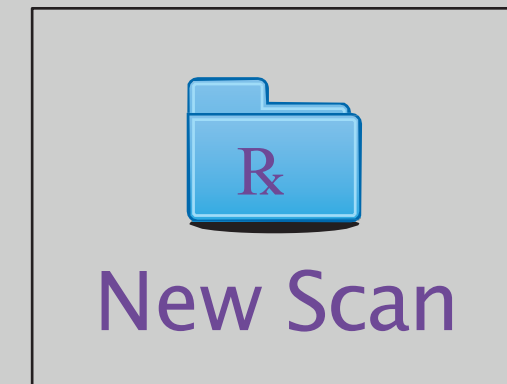
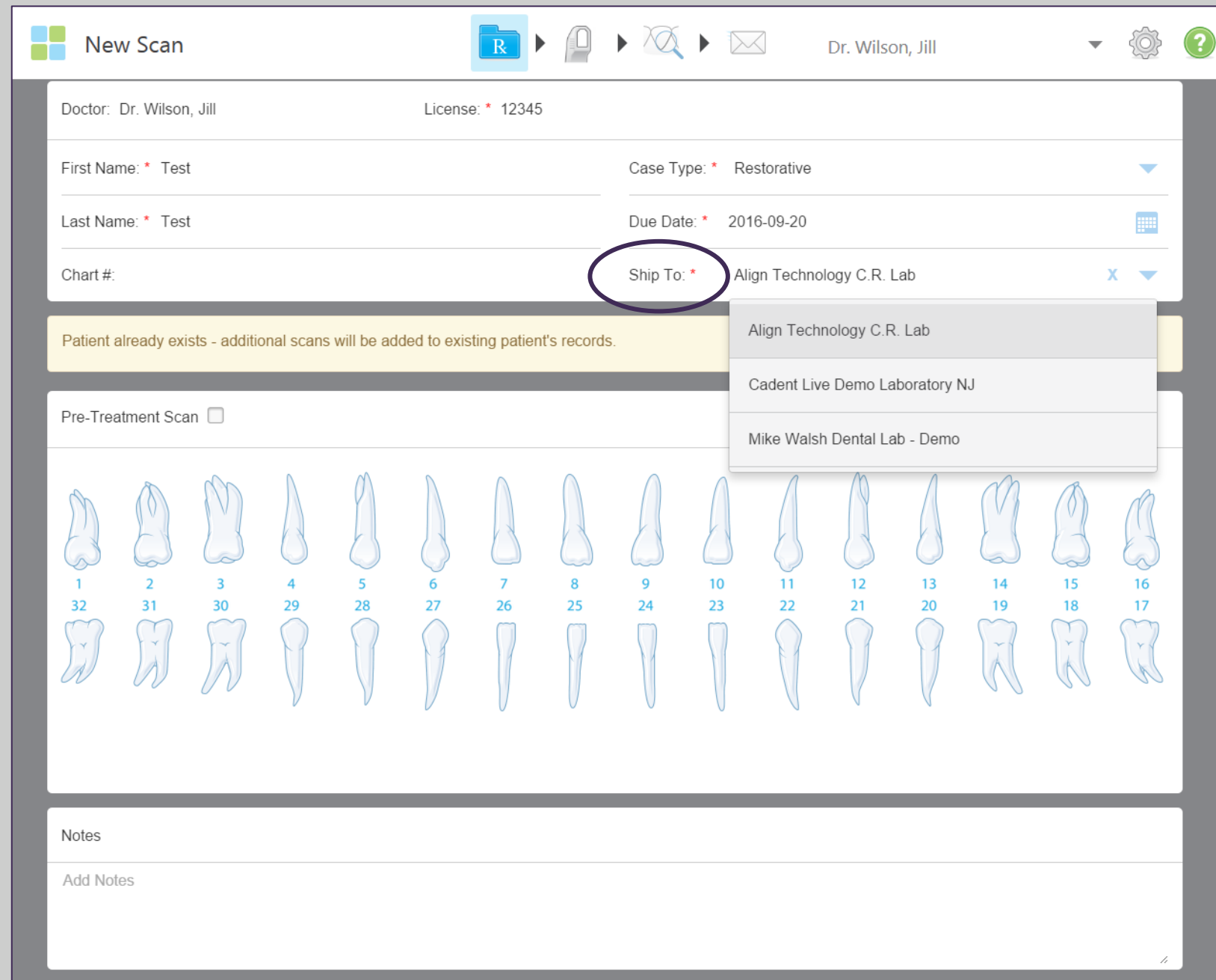
- iCast
- iRecord
- Invisalign
- Vivera
- Vivera Pre-Debond
- Invisalign + iRecord
- Chair Side Milling
- Restorative** (highlighted with a purple box)



There are several Case Types to choose from.

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

## Large Icons / New Scan



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

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.

## Restorative Prescription – Tooth Charting for Single Restorations

Rx Details

Dr. Test, Test

Doctor: Dr. Test, Test License: \* 12345

First Name: \* Test Case Type: \* Restorative

Last Name: \* Test Due Date: \* 2016-09-16

Chart #: Ship To: \* Mike Walsh Dental Lab - Demo

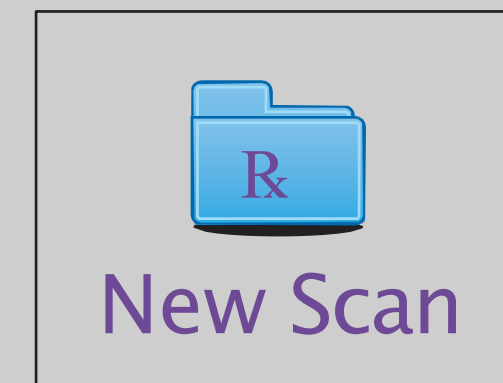
Pre-Treatment Scan

1 2 3 4 5 6 7 8 9 10 14 15 16  
32 31 30 29 28 27 26 25 24 23 19 18 17

Crown  
3/4 Crown  
Implant Abutment  
Scan Body  
Inlay  
Onlay  
Missing (edentulous space)  
Missing (no space)  
Regular  
Bridge

Notes  
Add Notes

Treatment Information



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.

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

## Restorative Prescription – Preparation Design / Shade

New Scan

Dr. Wilson, Jill

Crown

19

Material \* Ivoclar IPS e.max CAD

Preparation Design \* Shoulder

Margin Design

Shade System \* VITA Lumin

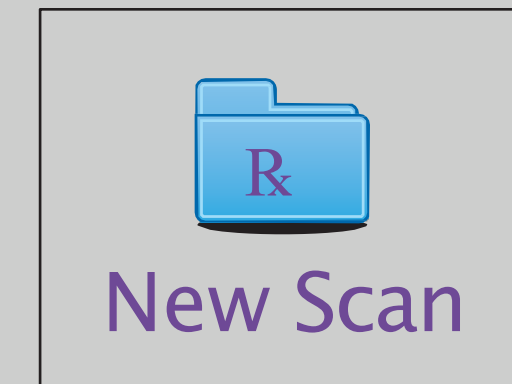
Body \* A2

Gingival

Stumpf Shade

Notes

Add Notes

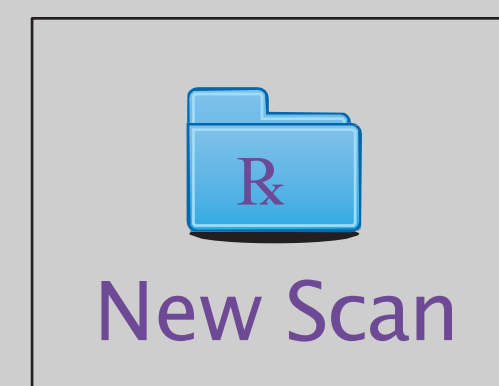
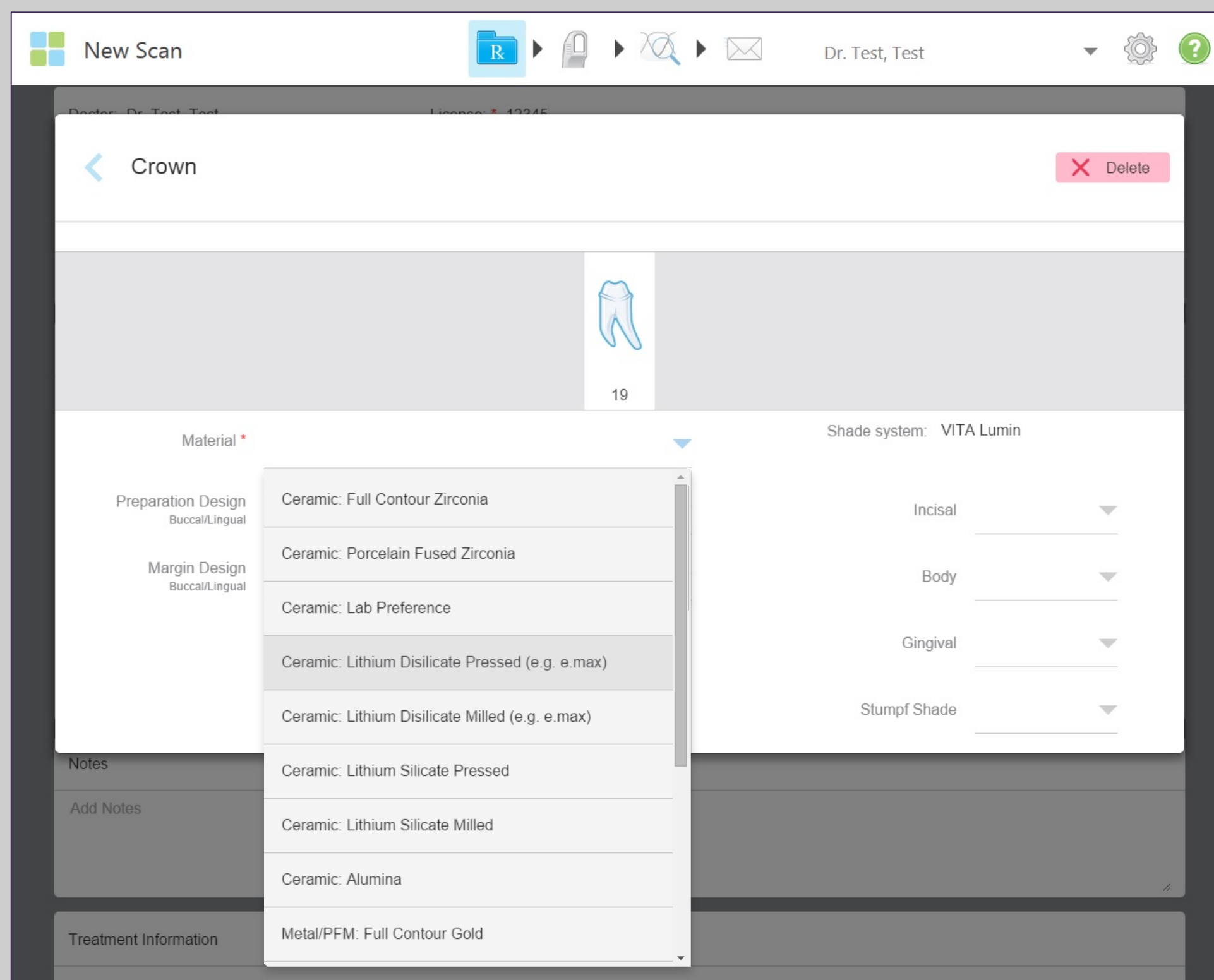


Choose the tooth to be restored.  
Select: Material, Preparation Design,  
Margin Design, and Shade.

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



## 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.**

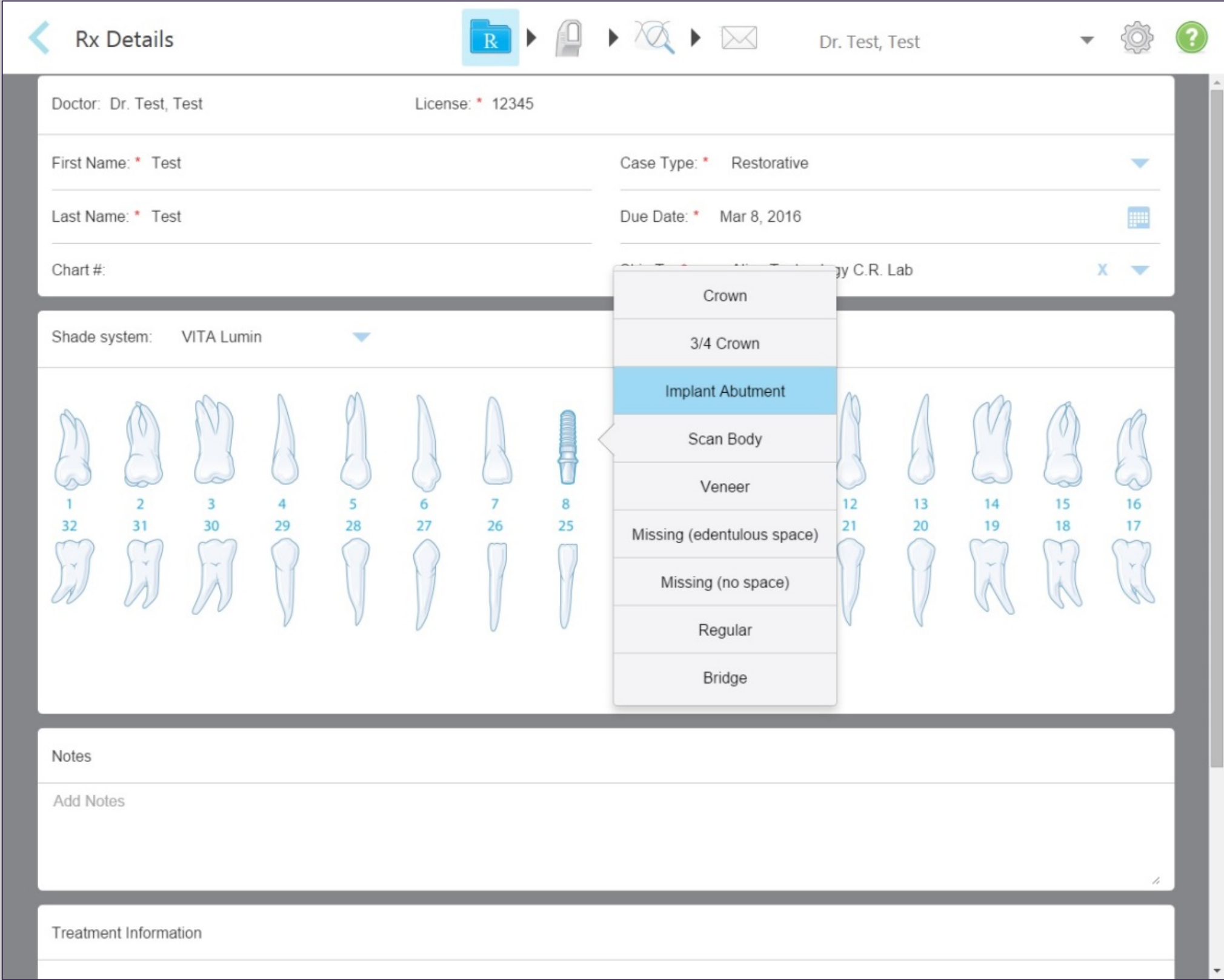
# Restorative Prescription – Notes Section

The image displays two screenshots of a dental software interface. The left screenshot shows the 'Rx Details' screen, which includes a 'Shade system: VITA Lumin' dropdown, a grid of 32 tooth icons (numbered 1-16 and 32-17), a 'Notes' section with an 'Add Notes' button, and a 'Treatment Information' section. The 'Treatment Information' section for tooth 30 lists: Treatment: Crown, Material: PFM: High Noble Yellow, Shade, and Body: B1. A pencil icon is visible next to the 'Treatment' field. The right screenshot shows the 'New Scan' screen, which includes a 'Pre-treatment Scan' label, the same grid of tooth icons, and a 'Notes' section with an 'Add Notes' button. A virtual keyboard is overlaid on the bottom of the right screenshot.

**Tap the pencil icon to make any changes to the Treatment Information.**

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

## Restorative Prescription – Implant Abutment



Select Implant Abutment for scanning existing abutments.

## Restorative Prescription – Implant Abutment

New Scan

Implant Abutment Delete

8

Material \* Ceramic: Lithium Disilicate Pressed (e.g. e.max) ▼

Preparation Design\* Buccal/Lingual Shoulder ▼ Shoulder ▼

Margin Design Buccal/Lingual ▼ ▼

Shade System \* VITA Lumin ▼

Incisal ▼

Body \* A3 ▼

Gingival ▼

Stumpf Shade ▼

Treatment Information

8

Treatment: Implant Abutment

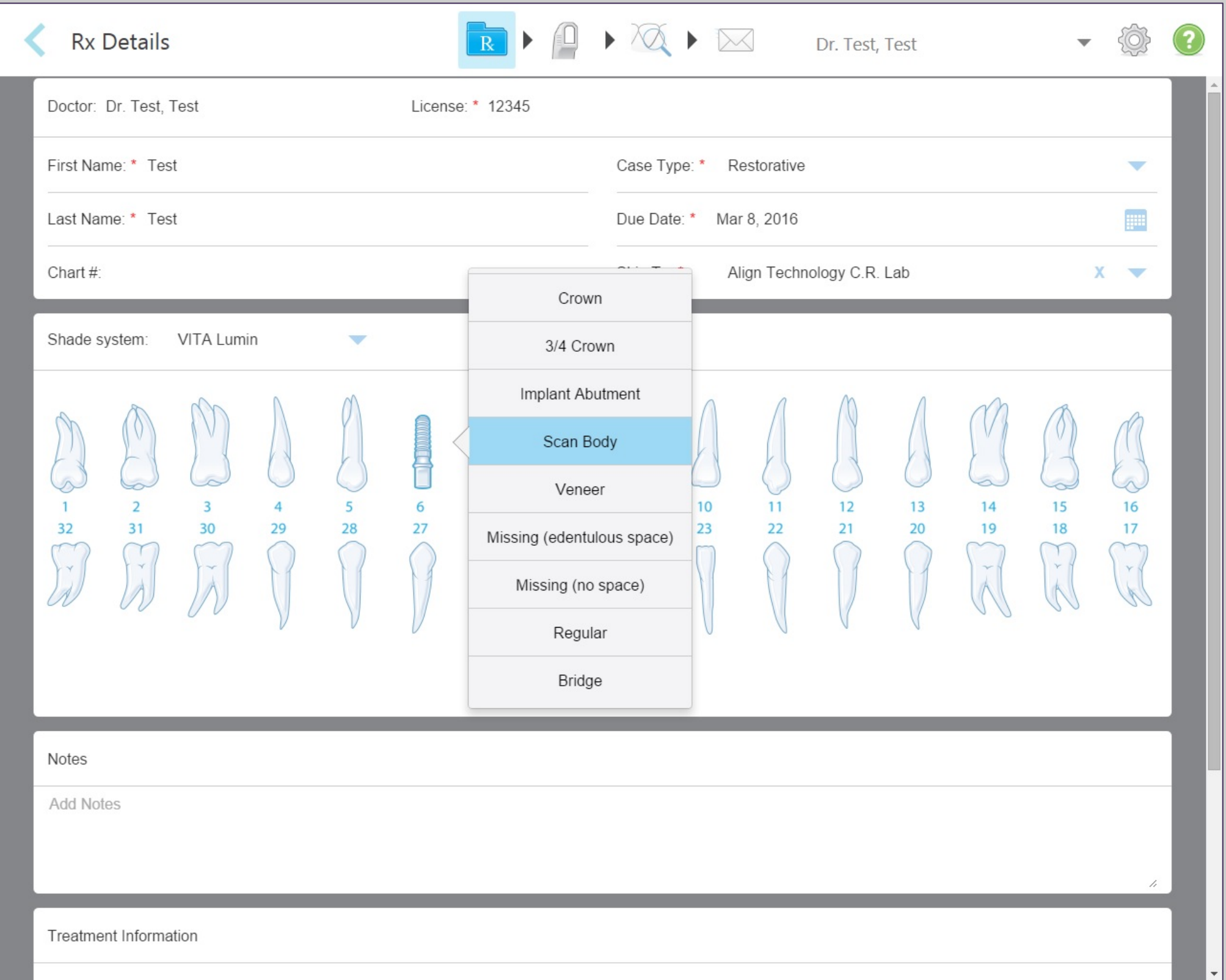
Material: Ceramic: Lithium Disilicate Pressed (e.g. e.max)

Shade

**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**

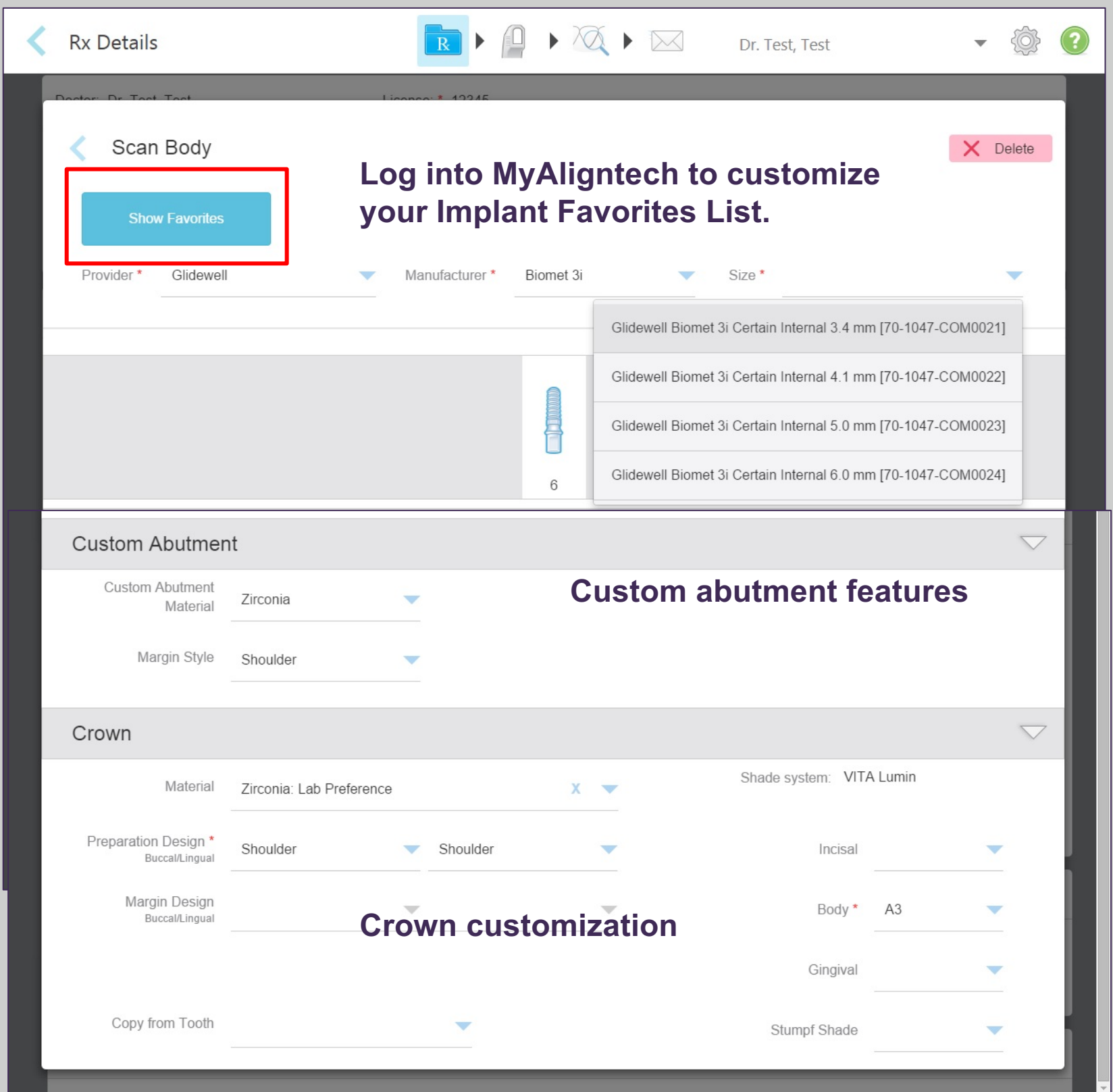


## Restorative Prescription – Implant Scan Body



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

## Restorative Prescription – Implant Scan Body



Complete all fields marked with an asterisk (\*)

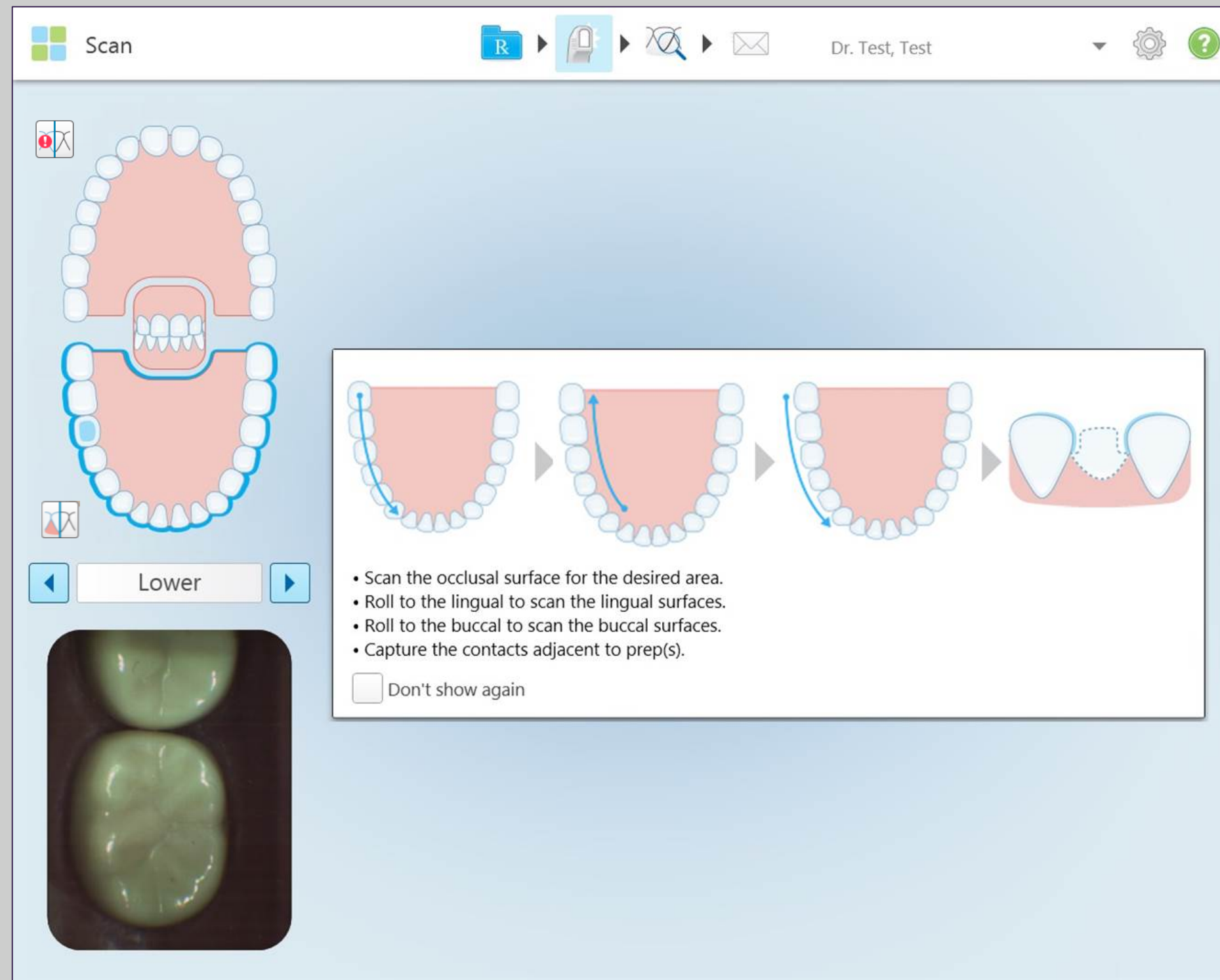
## Restorative Prescription – Manage Favorites

The screenshot shows the 'Manage Favorites' dialog in the MYALIGNTECH iTero OrthoCAD software. The dialog is titled 'Manage Favorites' and has a 'Save' button and a 'Cancel' button at the top right. Below the title bar, there is a breadcrumb trail: 'Home > Profile > Manage Favorites'. The main area of the dialog is divided into two sections: 'Implant / Scan Body Type' on the left and 'Selected' on the right. The left section contains a search bar and a tree view of implant categories and models. The right section contains a tree view of the selected configurations. A red circle highlights the right-pointing arrow button between the two trees. At the bottom of the dialog, there is a disclaimer: '\*Invisalign and iTero, among others, are trademarks and/or service marks of Align Technology, Inc. or one of its subsidiaries or affiliated companies and may be registered in the U.S. and/or other countries. All other trademarks are the property of their respective owners.'

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.

## 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

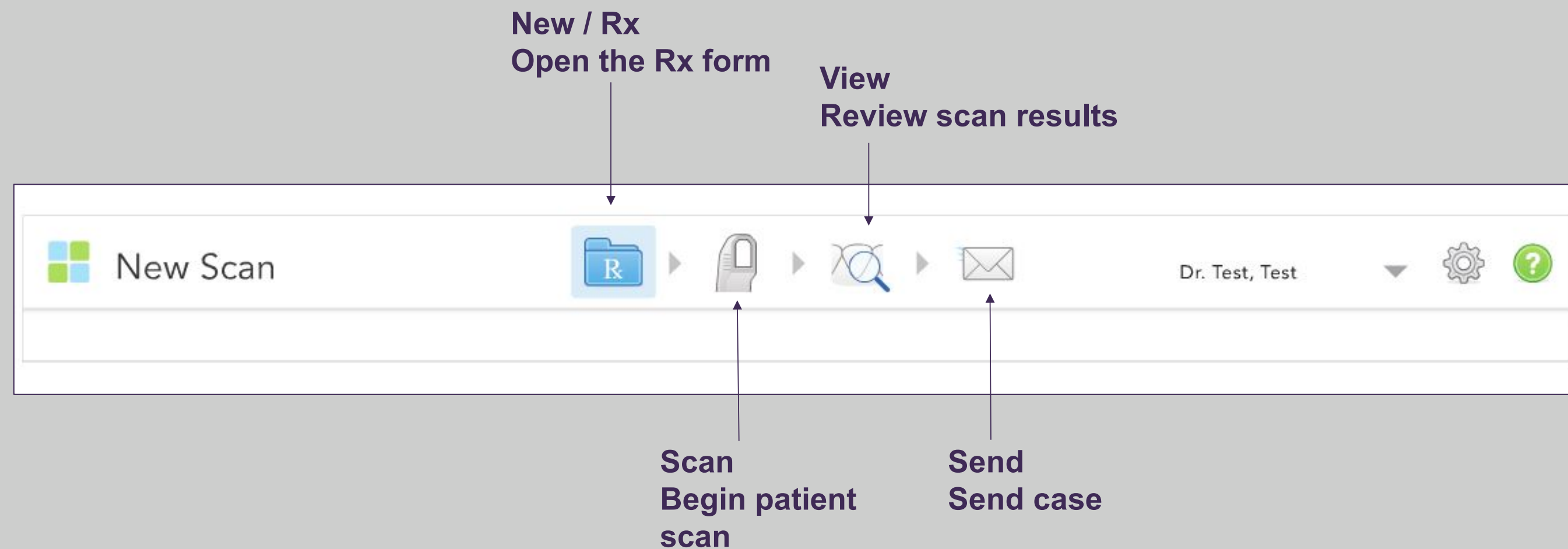
It is important to scan only the anatomy you want included in the model



## 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**

## 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.

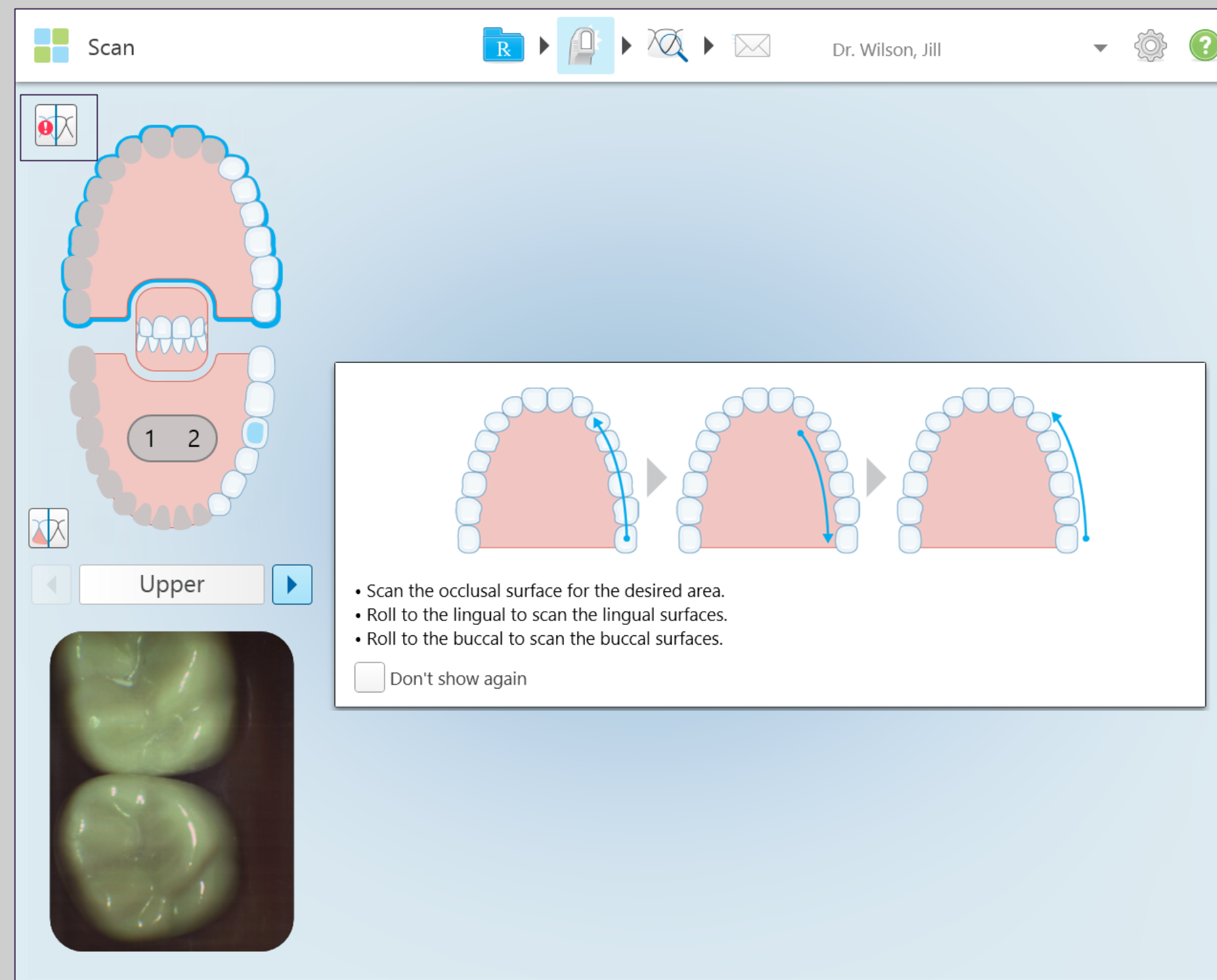
## Starting



**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.**

## Opposing Arch Scan



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.

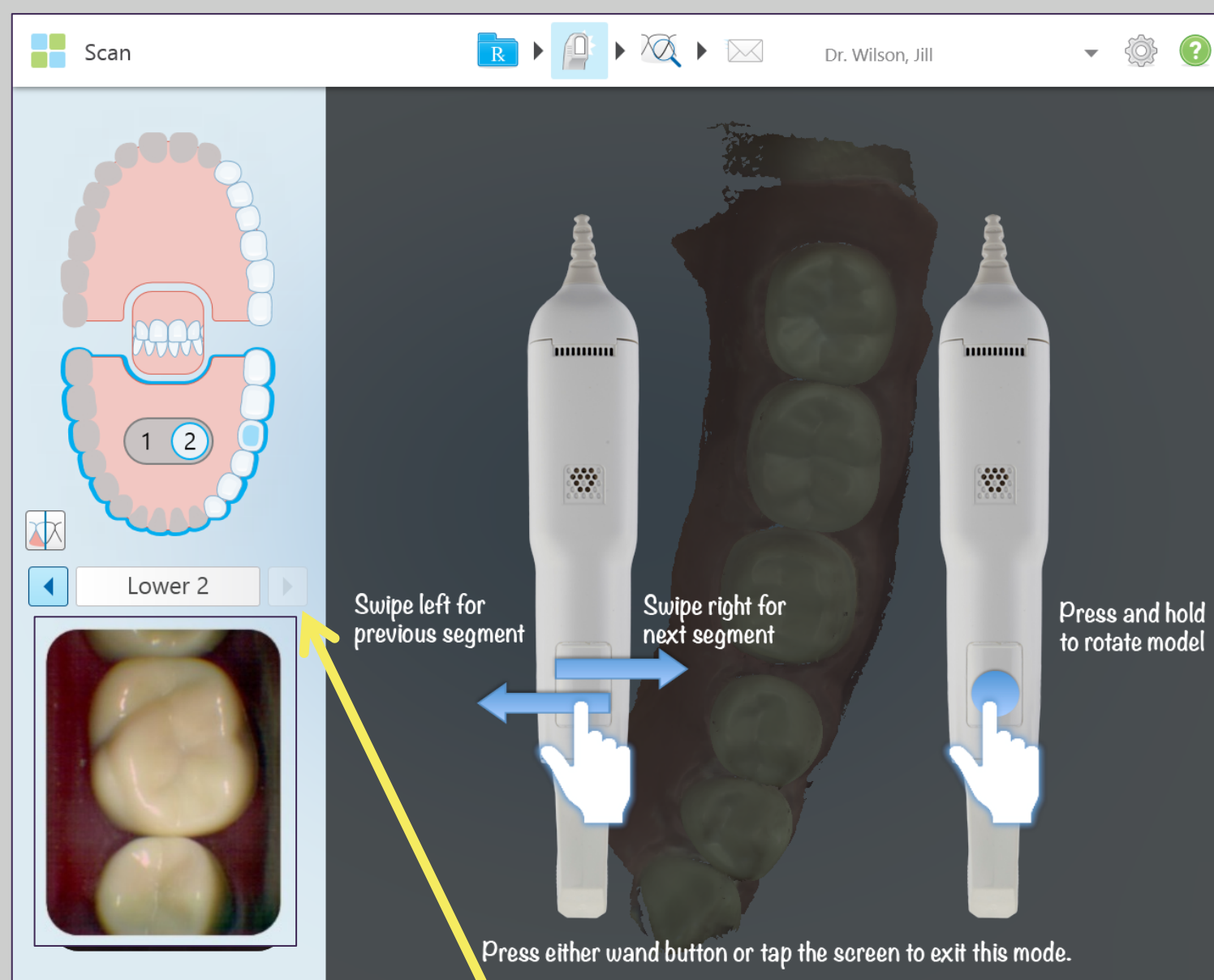
The blue scrolling bar in the segment selection box indicates the scanning is active.

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

Full arch scan is not necessary if prepping one tooth.



## Switching Segments



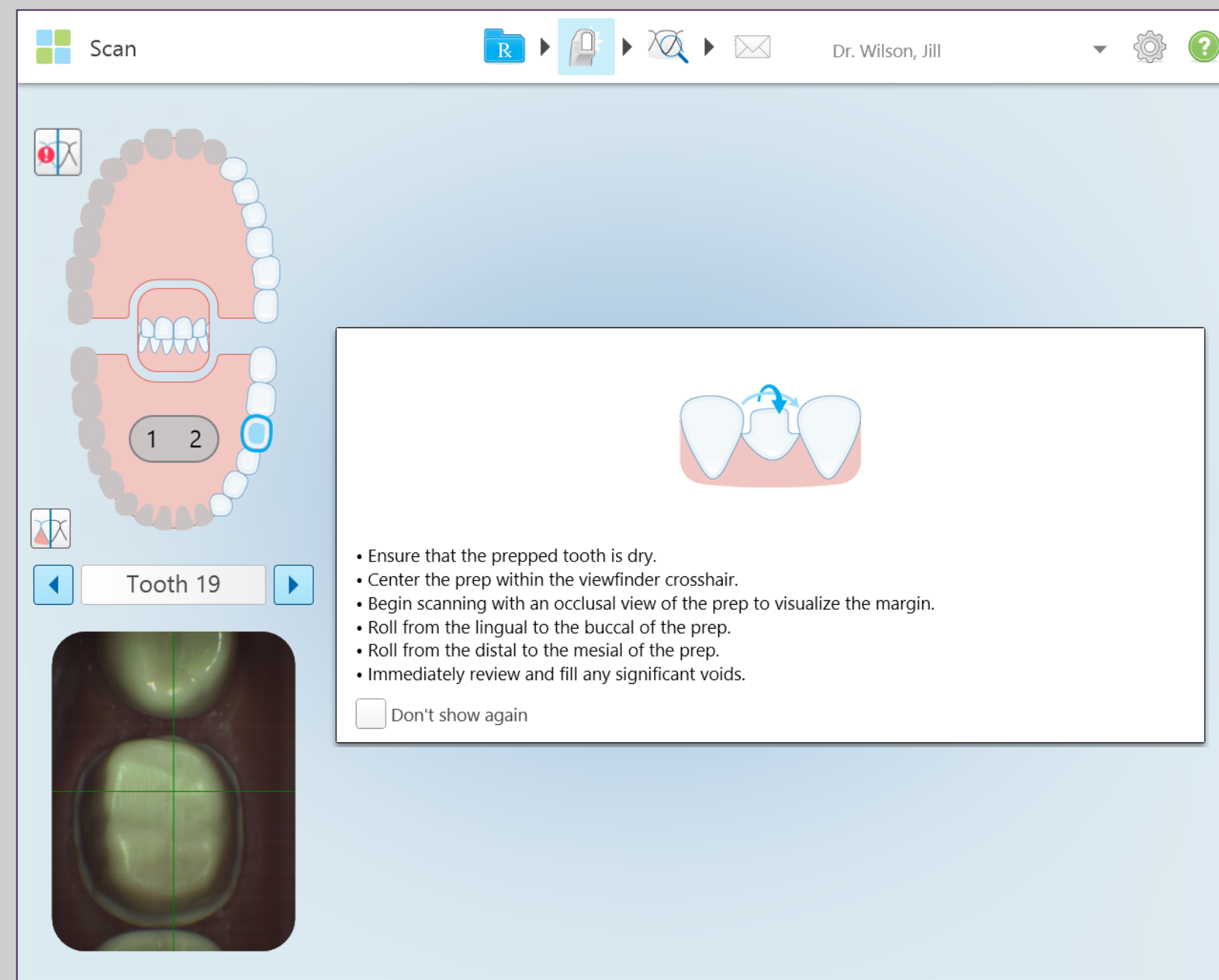
On the display, move between segments by tapping the arrow key on the segment indicator box.



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.

## Prepped Tooth

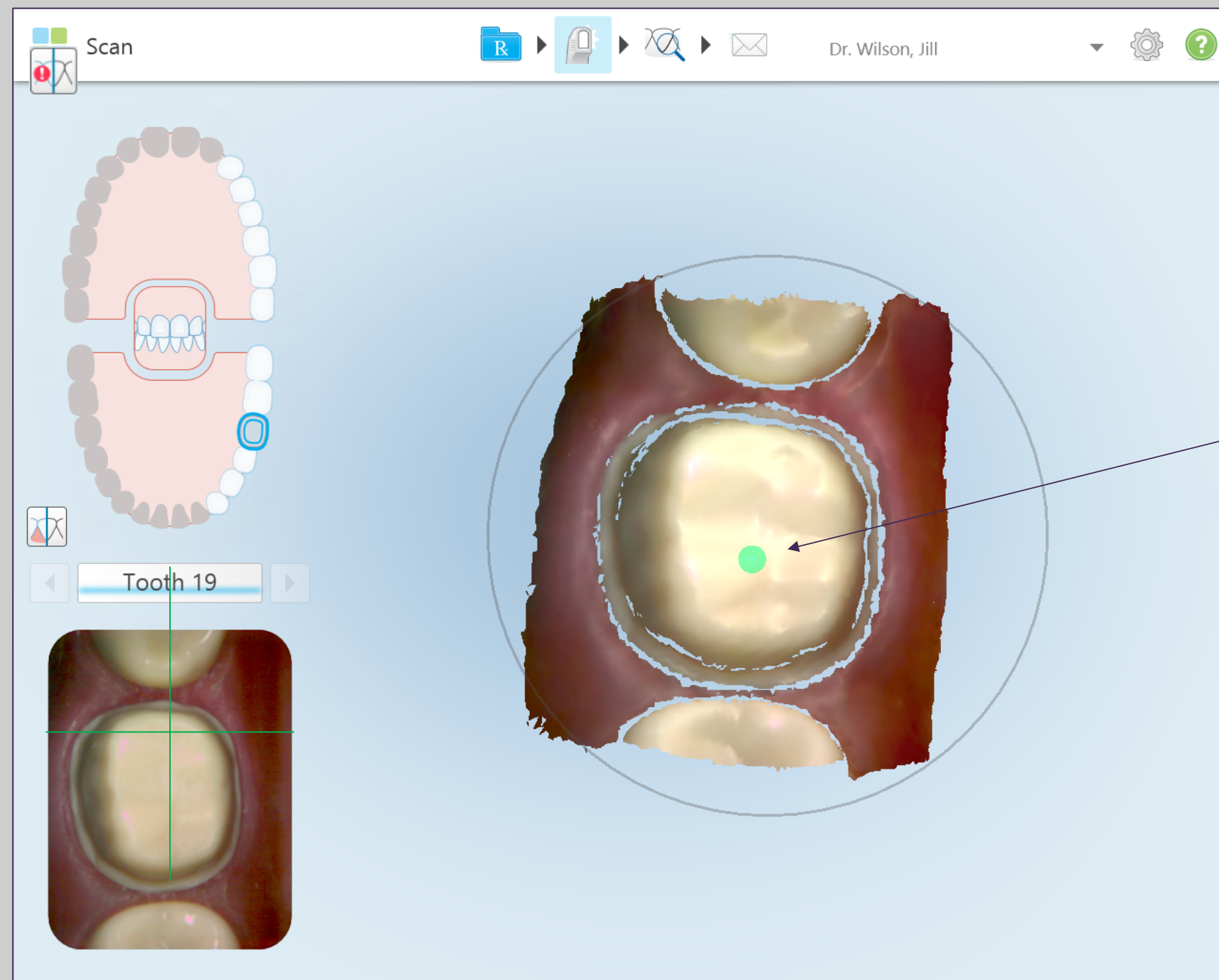


### Scanning sequence:

- Occlusal
- Lingual
- Buccal
- Distal
- Mesial

***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.***

## Green Dot on Prepped Tooth



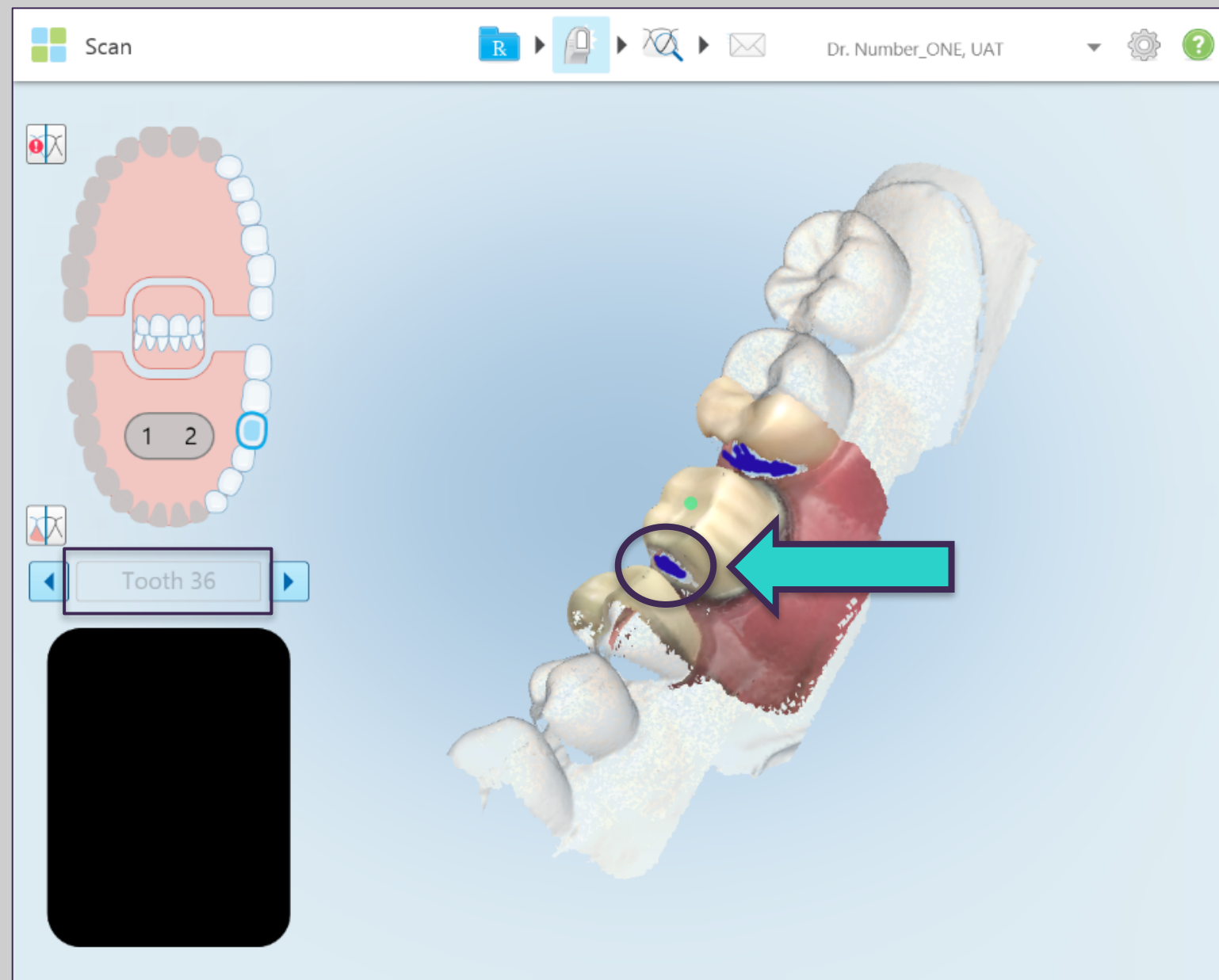
If scanning accidentally begins on the adjacent tooth instead of the prep, the green dot should be moved to the prep. This will help ensure that the prep is processed in the highest quality.

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

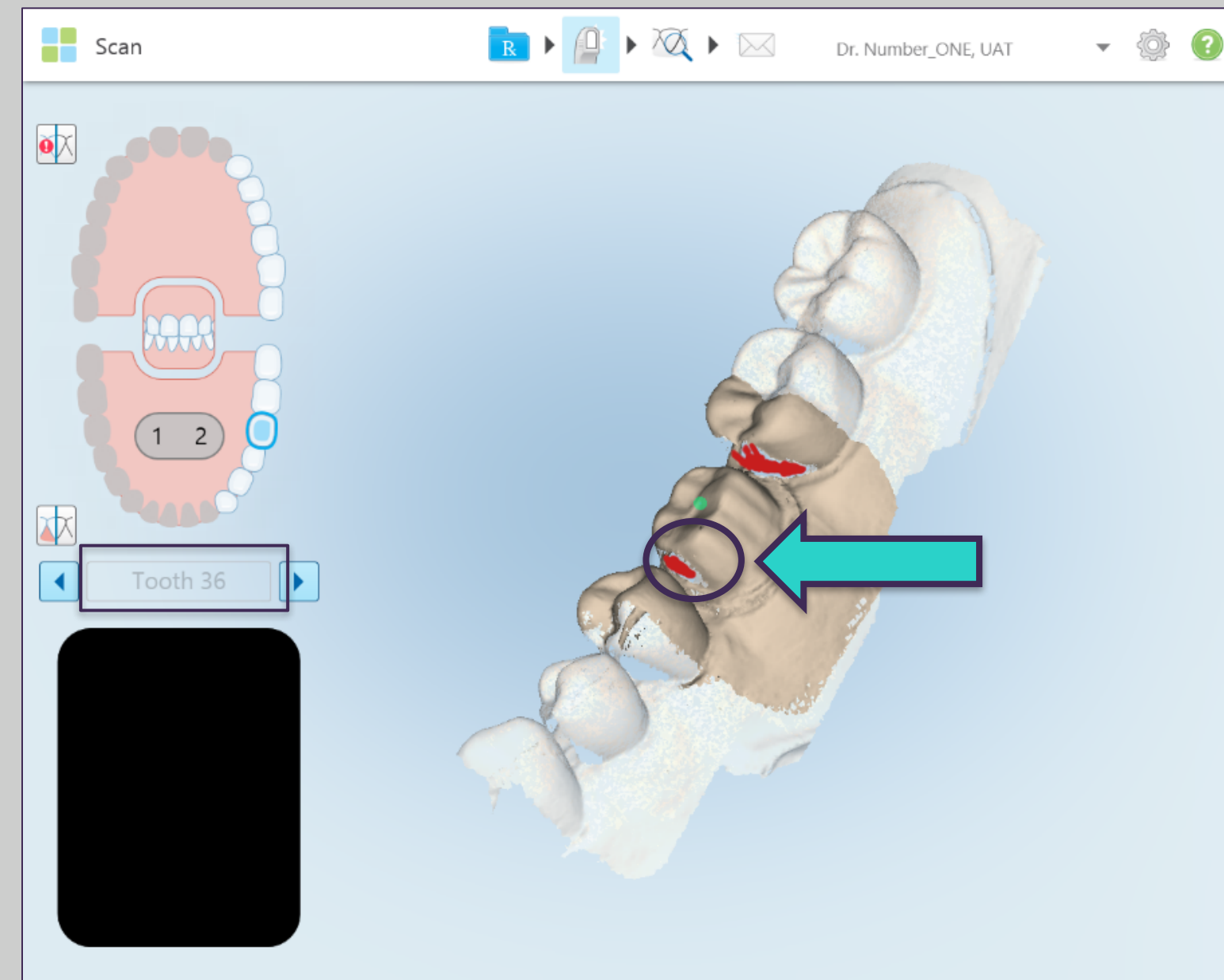
When scanning the prep have the green cross hairs centered on the prep.



## Prepped Tooth Optimized Scan Feedback - Incomplete capture of prep walls



Color Scan mode



Monochrome scan mode



## Prepped Arch

Scan

R

Dr. Wilson, Jill

Lower 2

1 2

2

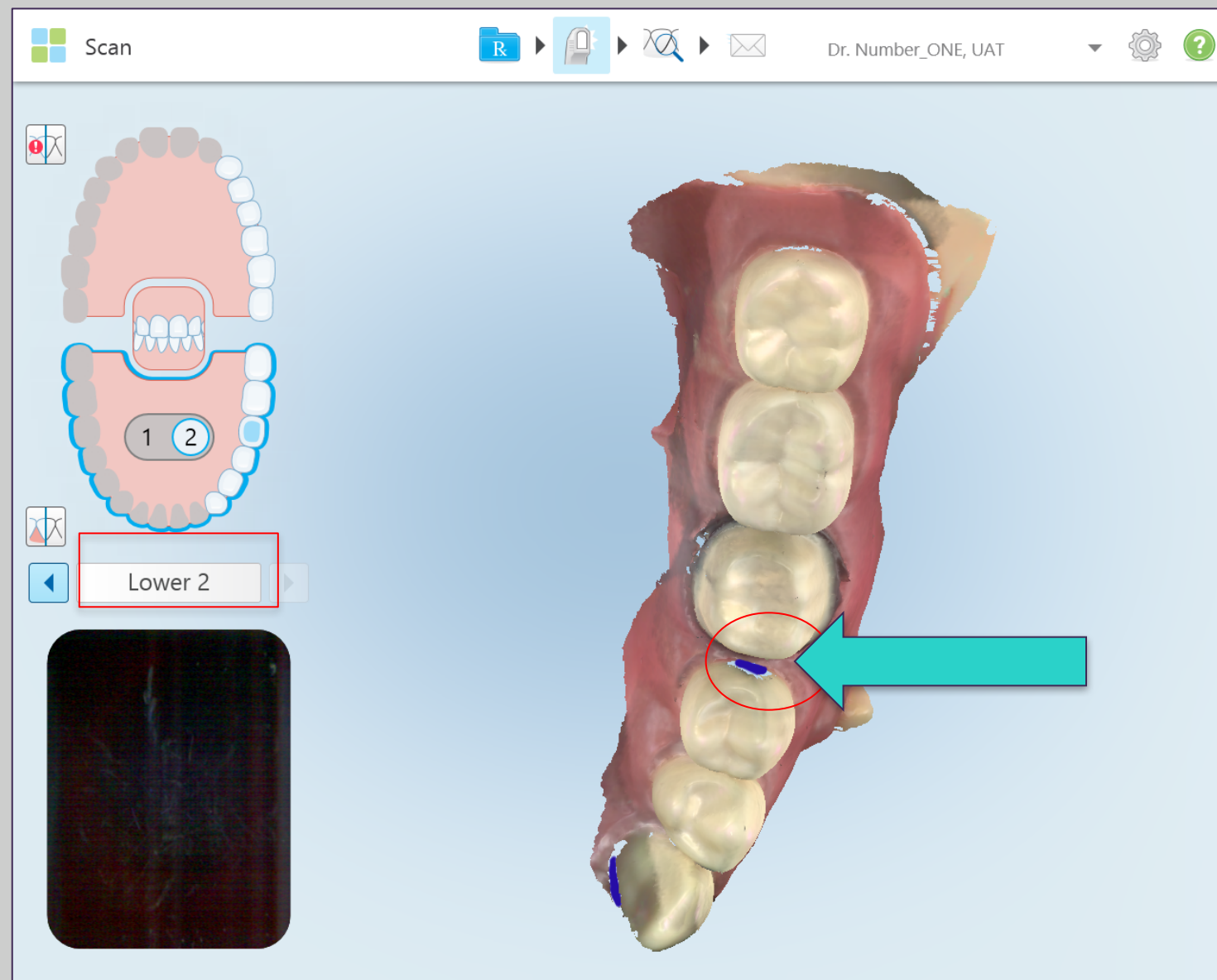
- Scan the occlusal surface for the desired area.
- Roll to the lingual to scan the lingual surfaces.
- Roll to the buccal to scan the buccal surfaces.
- Capture the contacts adjacent to prep(s).

Don't show again

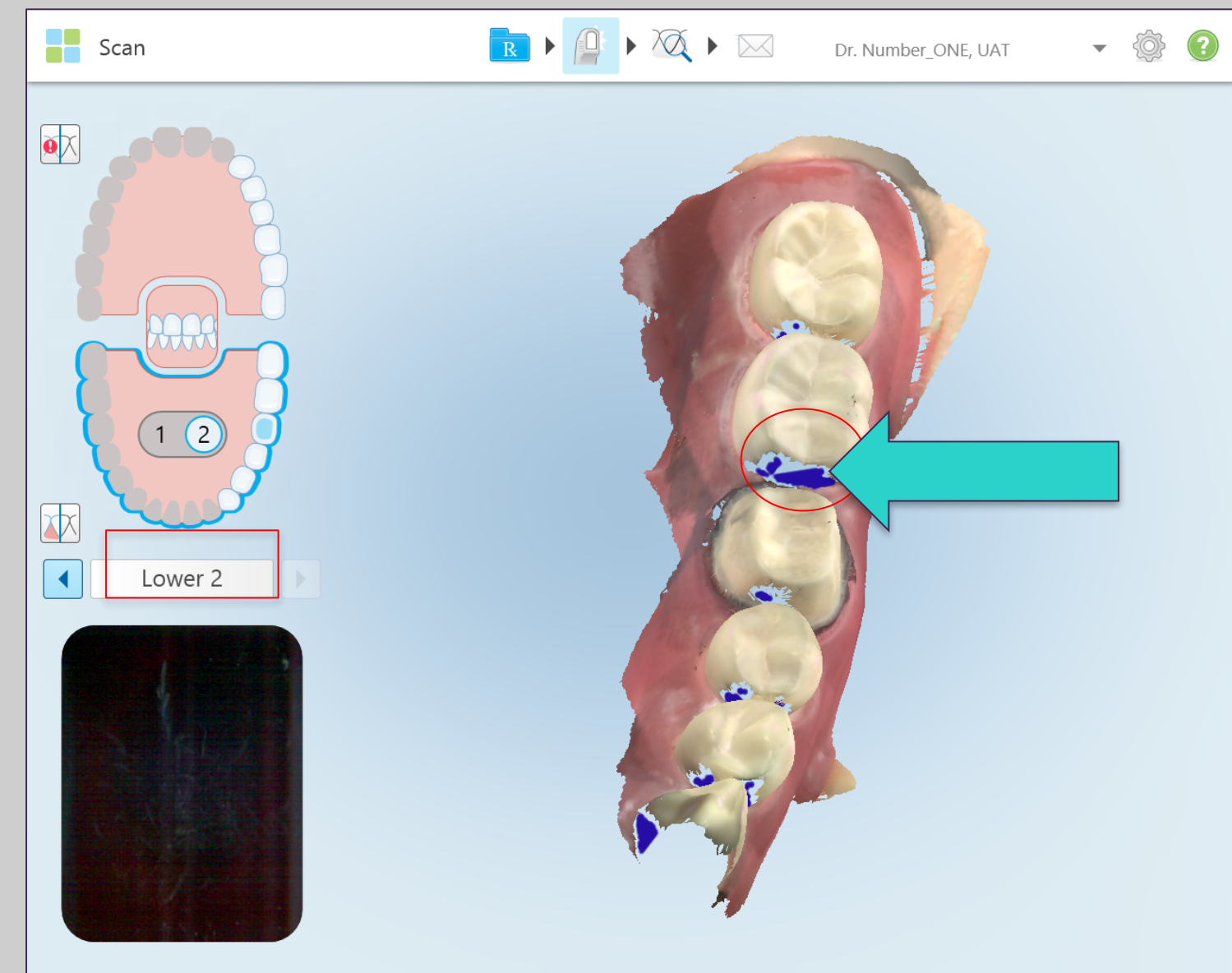
### Suggested scanning sequence

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

## Prepped Arch Optimized Scan Feedback - Incomplete capture of contact points

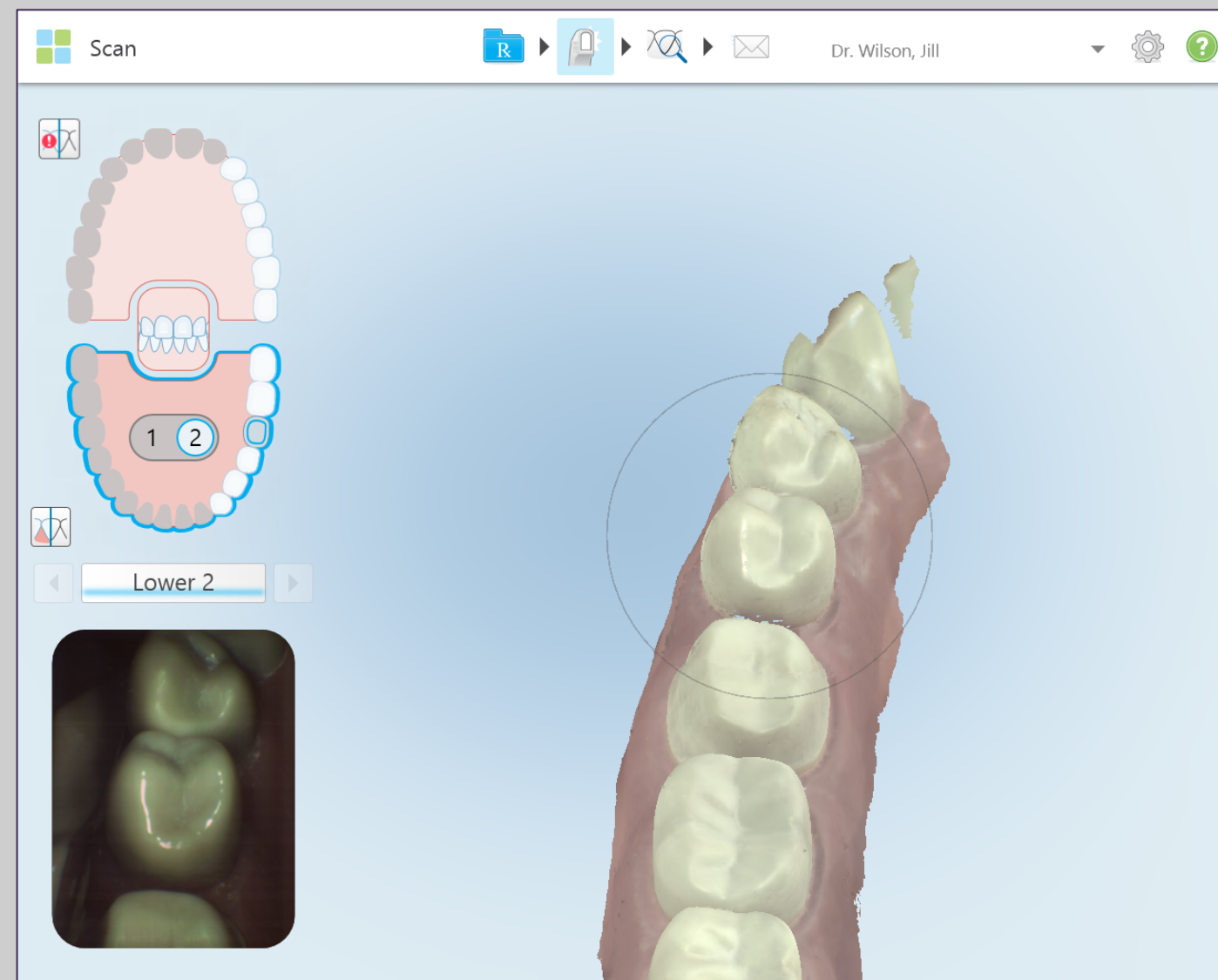


Mesial Contact

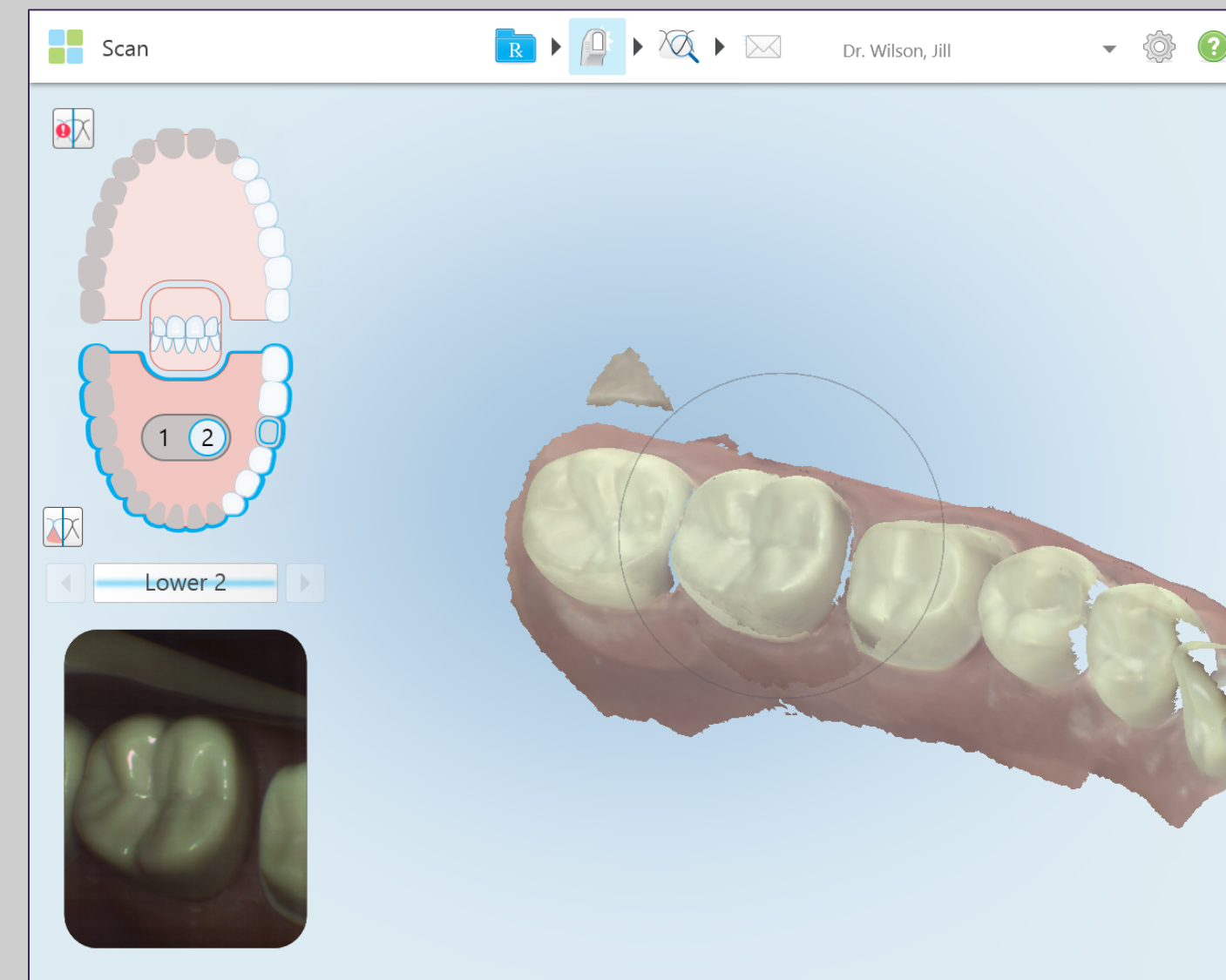


Distal Contact

## Prepped Arch – Proper capture of contact points



**Mesial**



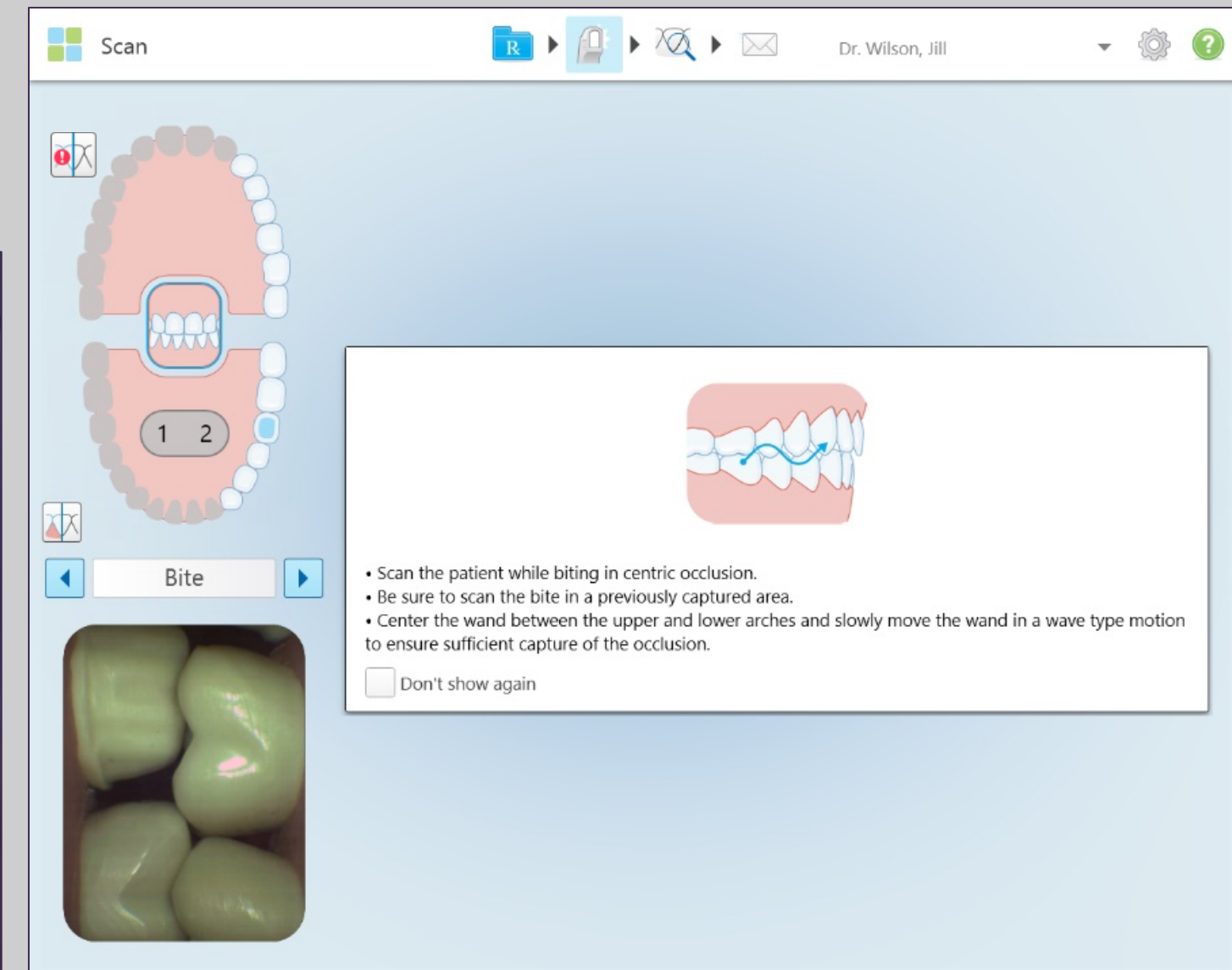
**Distal**

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.



## Bite

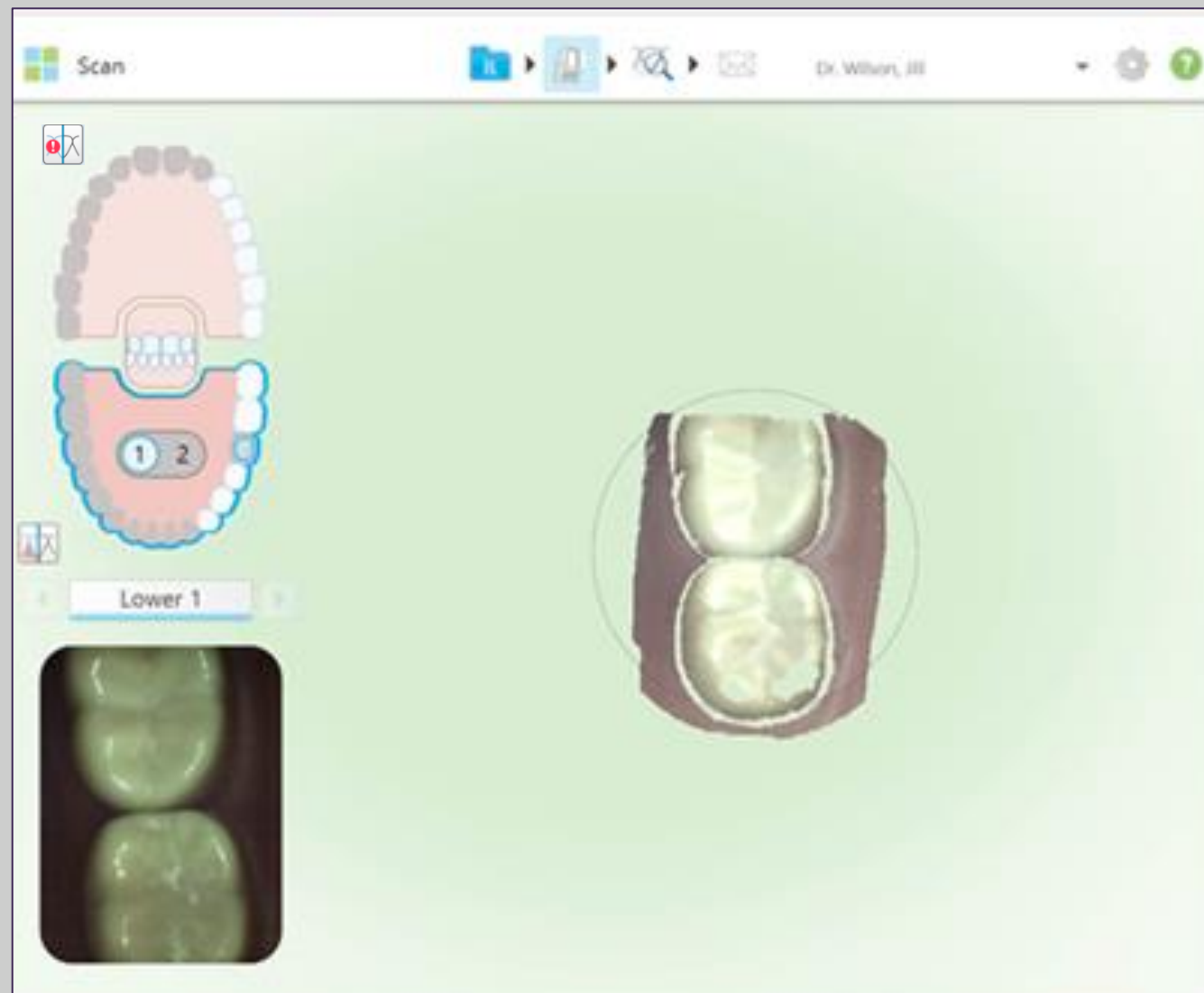
Bring the wand tip gently against the teeth observing the occlusion in the view finder.



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

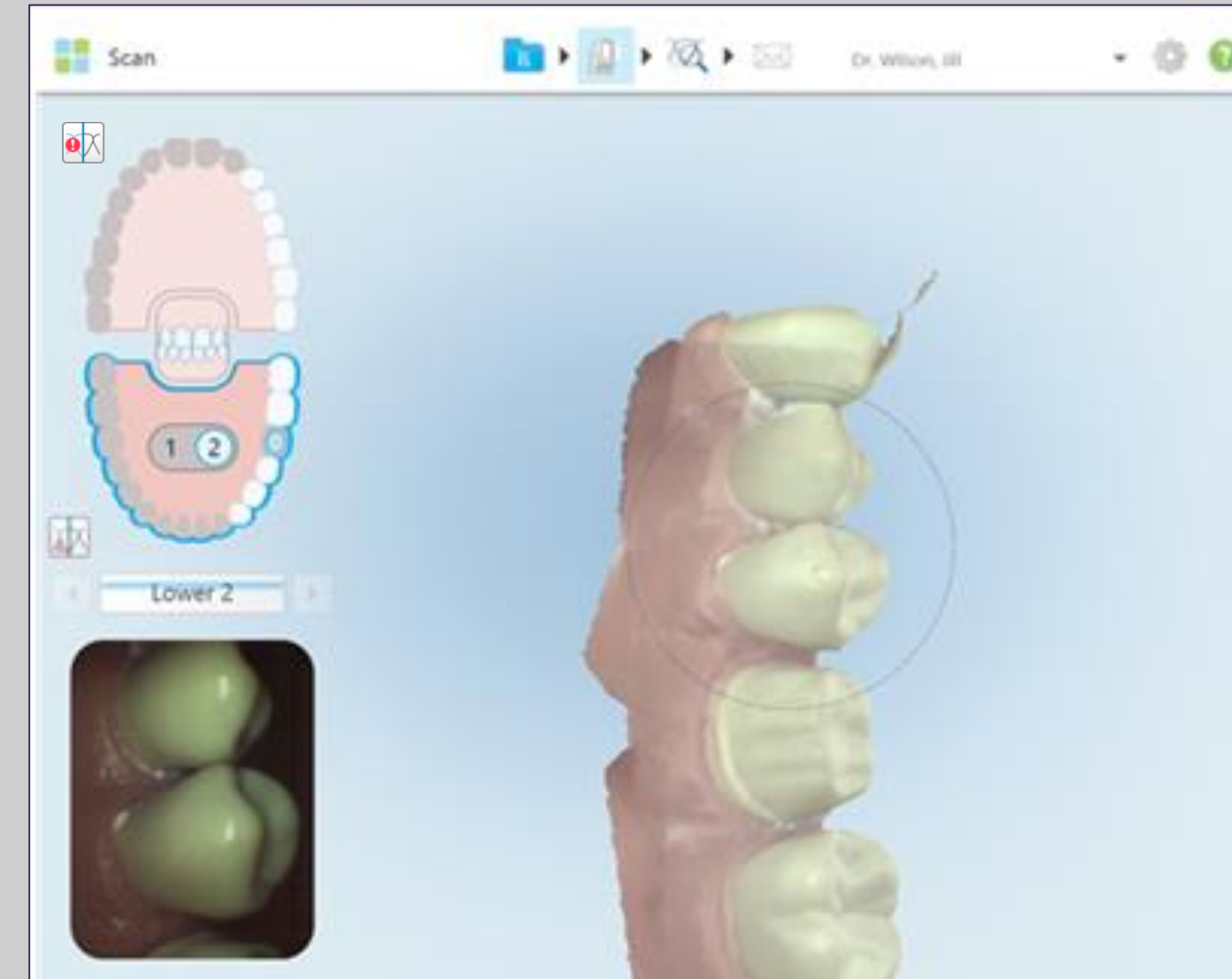


## Pre-Treatment Scan



### 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

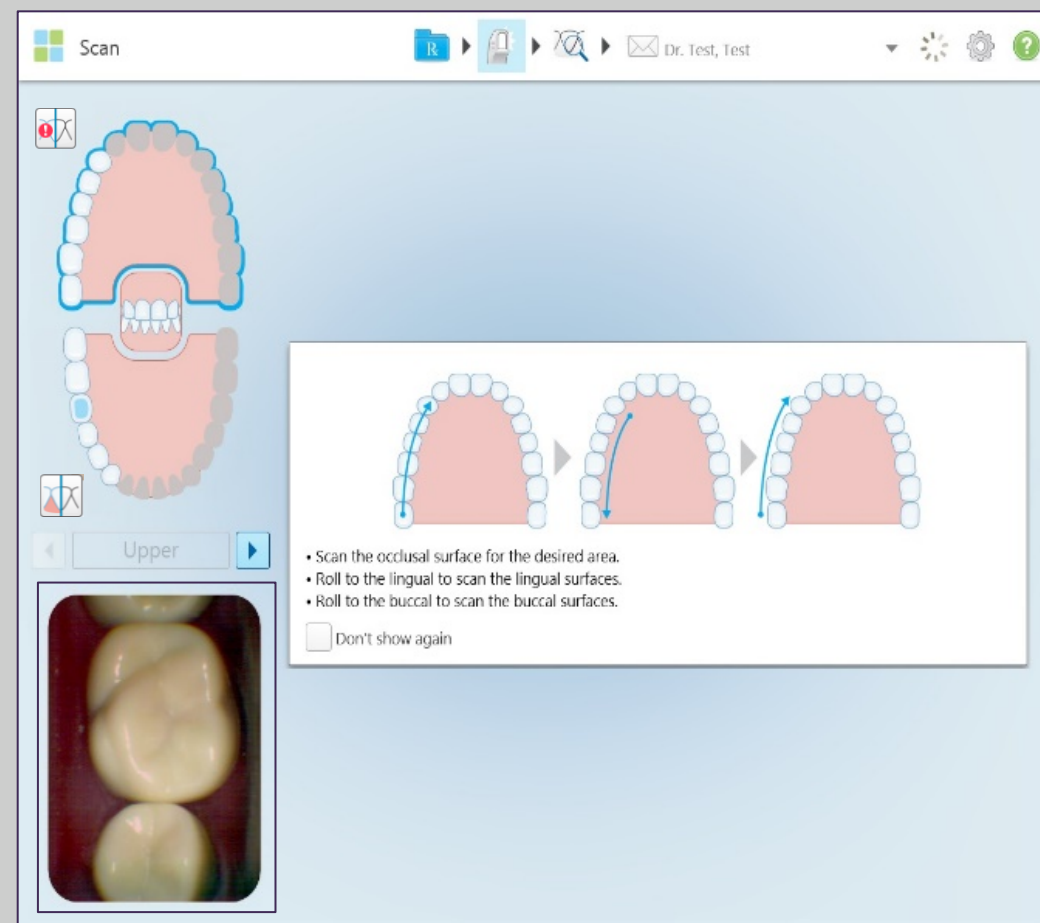


### Workflow

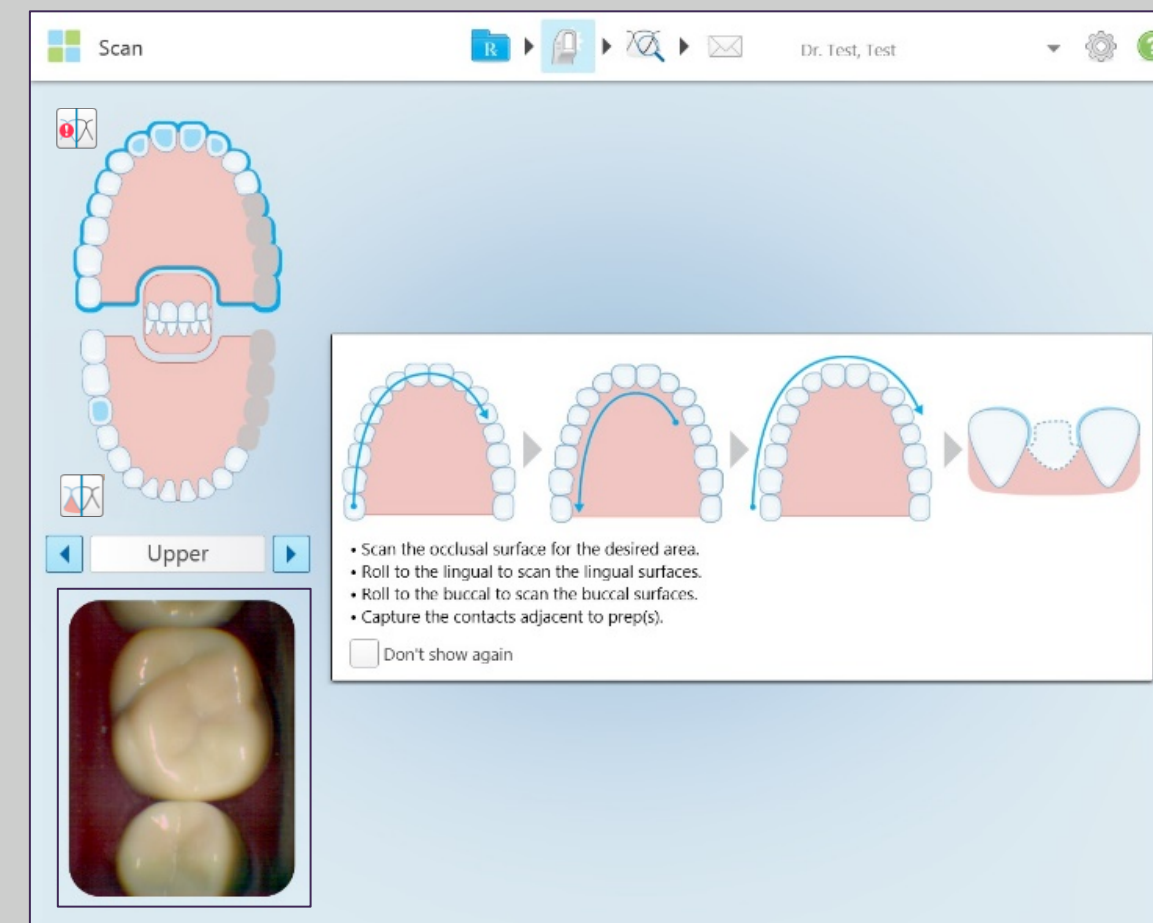
- “1” Pre-treatment, green background
- “2” Post-Treatment, blue background
- Note: Doctor can switch between Jaws by tapping the associate number on the screen

## Interactive Scanning Range

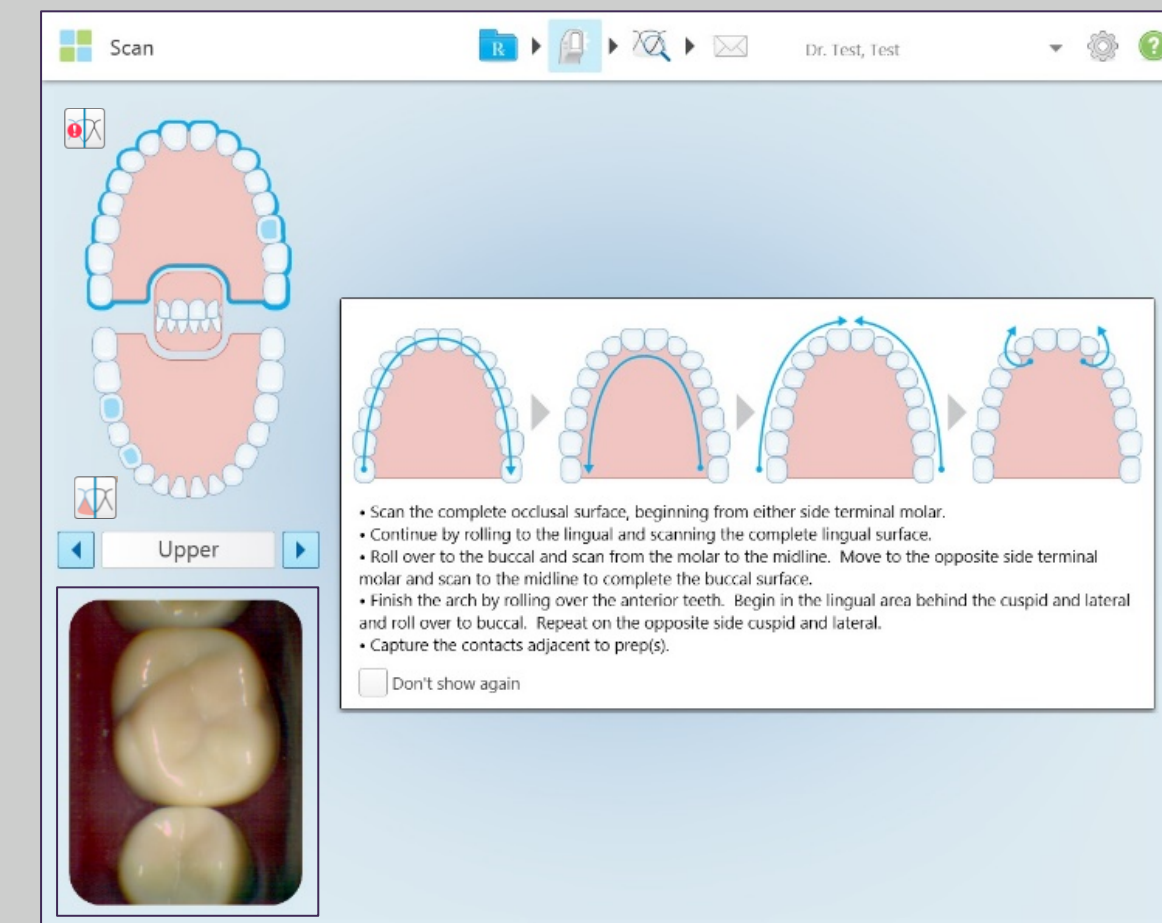
### Quadrant



### Expanded

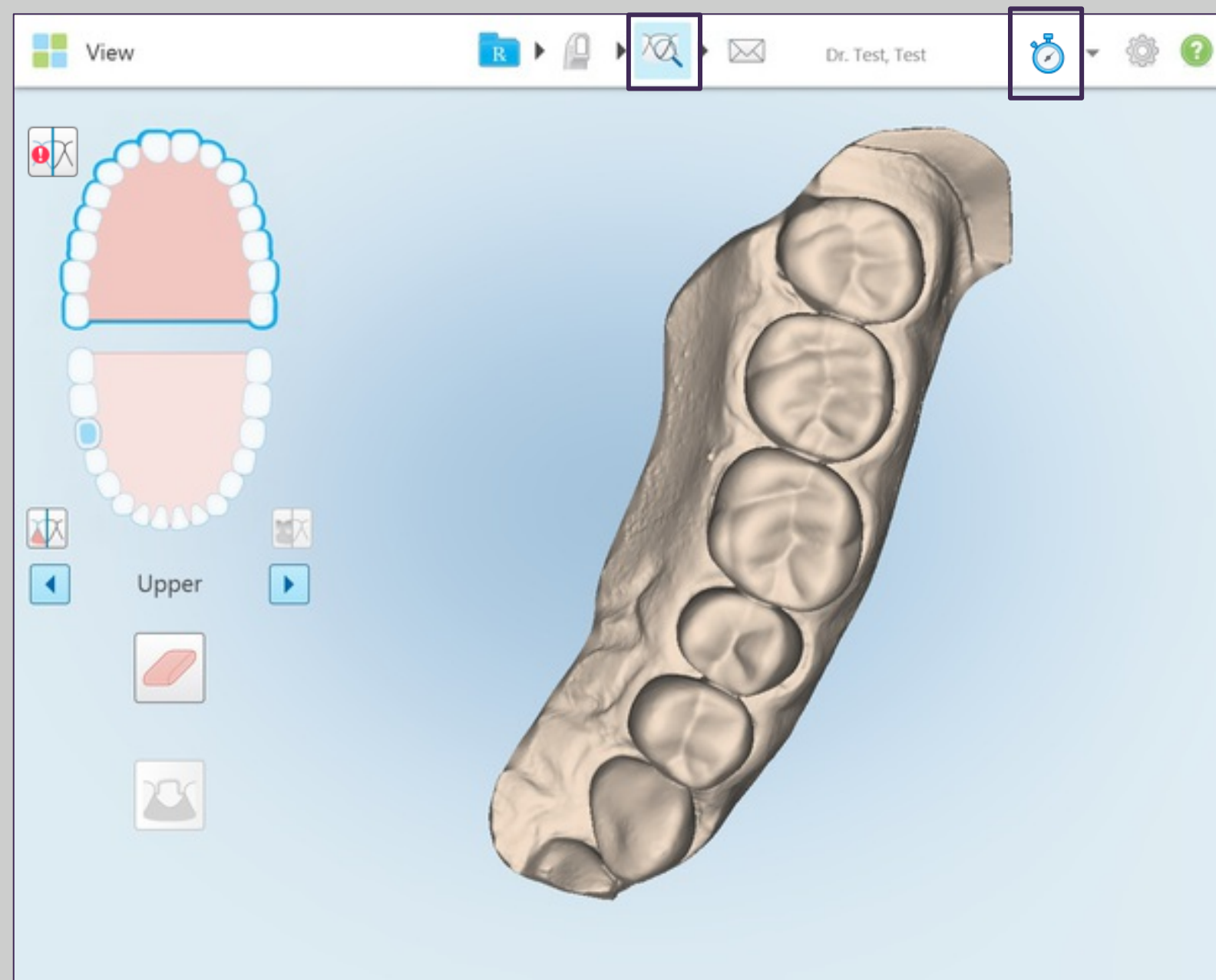


### Full Arch



- 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.

## Evaluate Digital Model - Opposing Arch



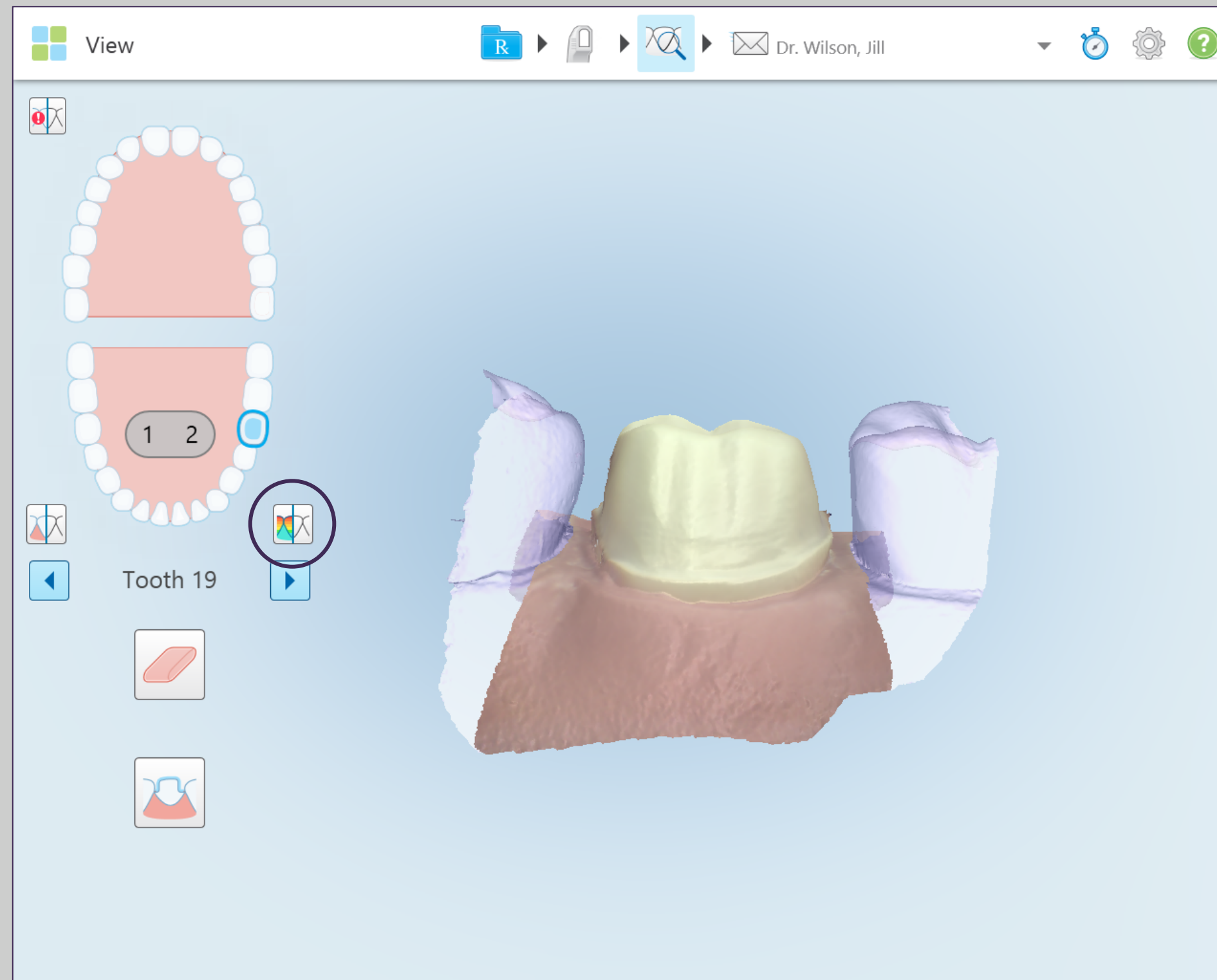
Once the segments have been scanned, tap the view icon at the top of the touchscreen display to view the digital model in high resolution. Once the case has processed, evaluate the model to ensure that it is accurate and complete.

Use the Scan Timer icon to view your scanning time.

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



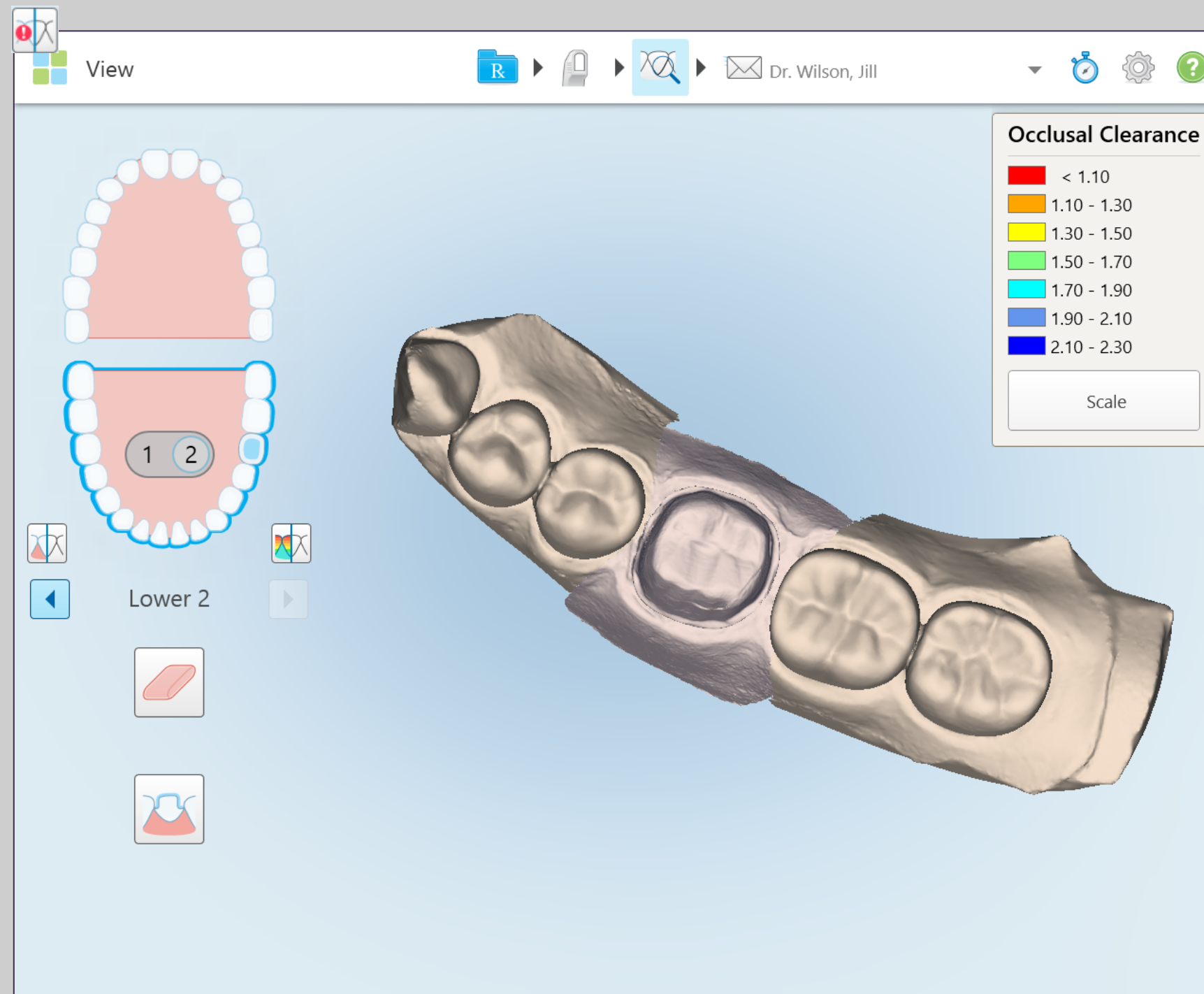
## Evaluate Digital Model - Prepped Segment



- 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



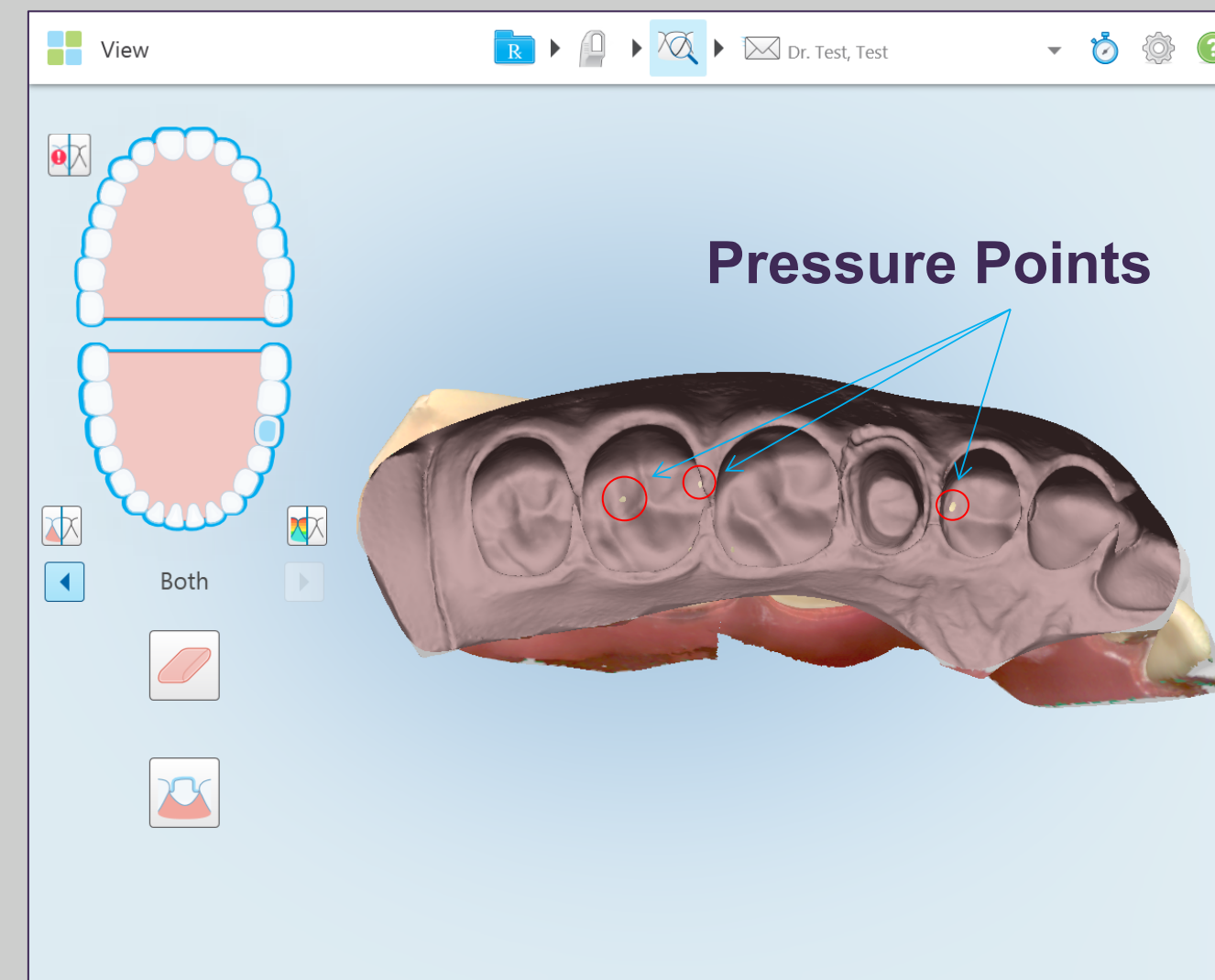
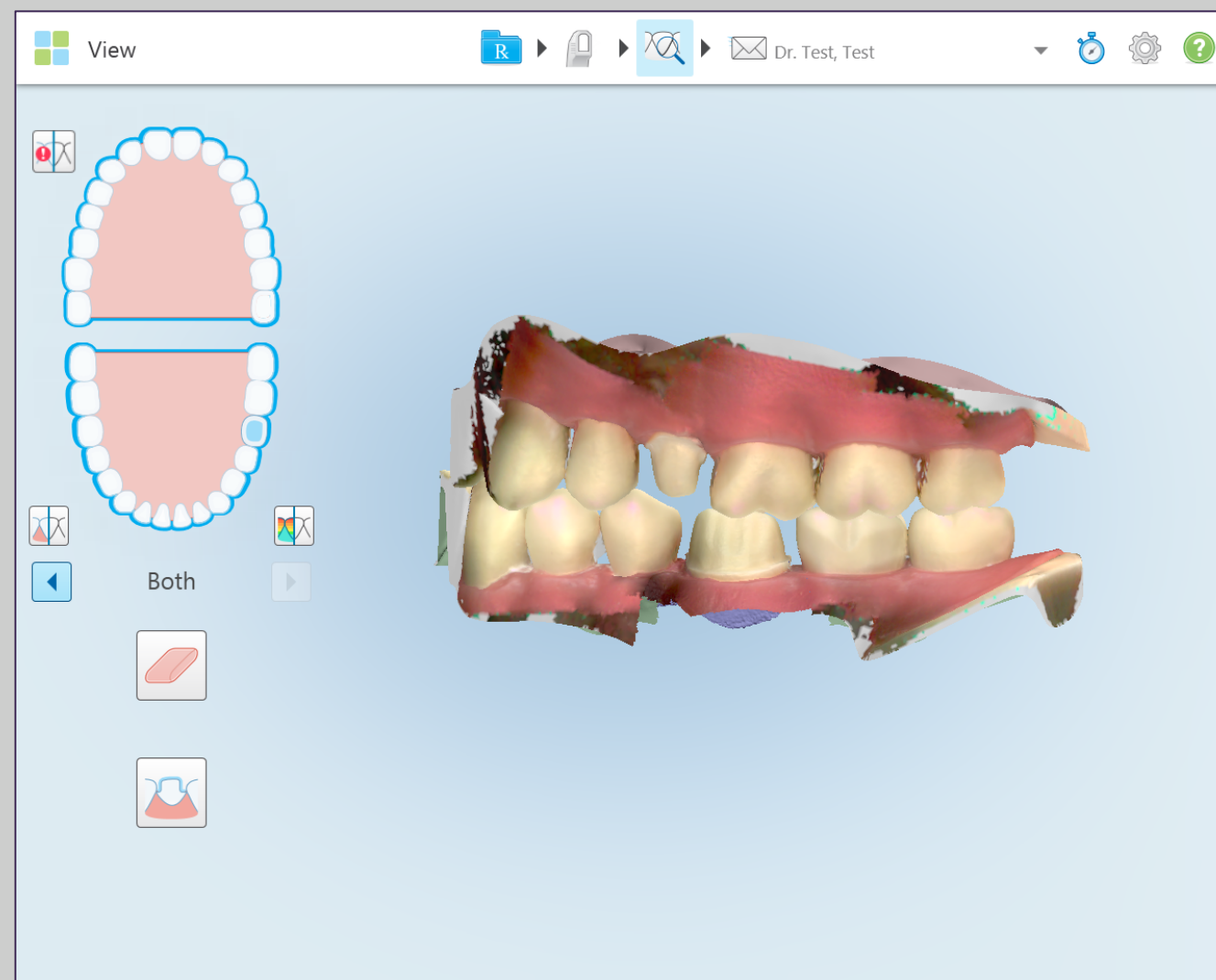
## Evaluate Digital Model - Prepped Arch



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

Solid mesial and distal anatomy adjacent to the prep

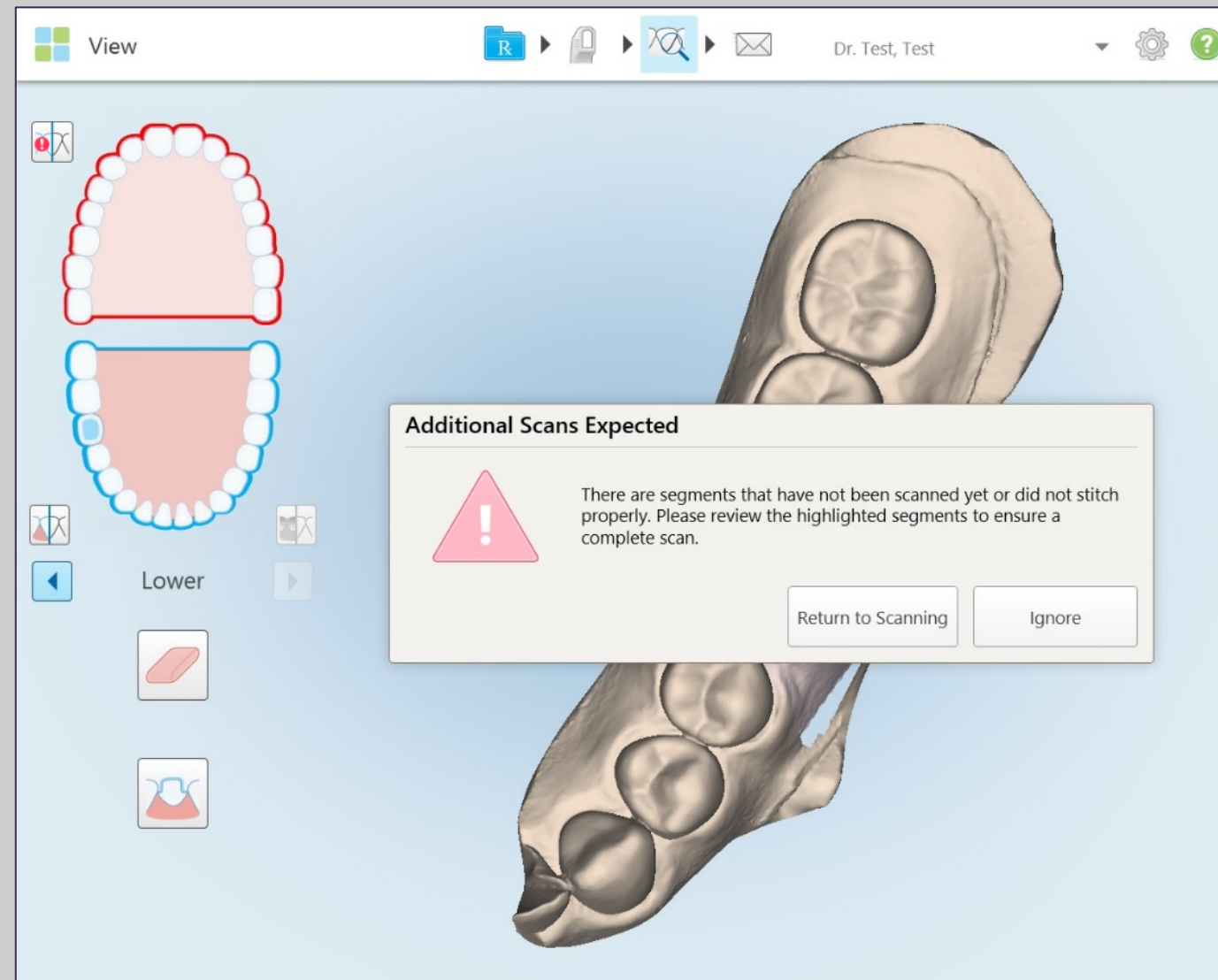
## Evaluate Digital Model - Bite



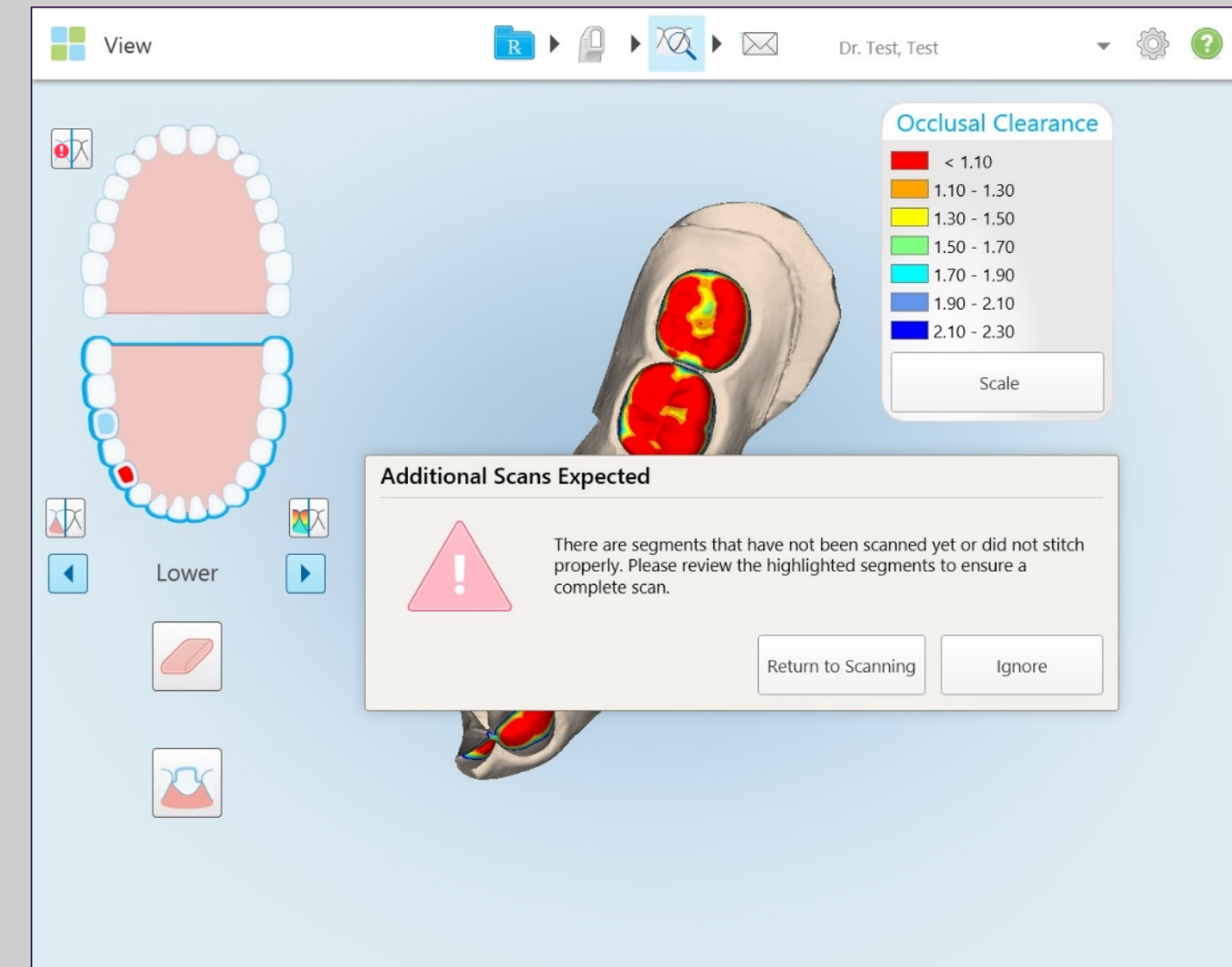
Verify that the patient's bite is in centric occlusion and has occlusion on the adjacent teeth by checking the pressure points.

## Missing Scan Segments – Warnings

## Segments



## Prepped Teeth



## 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

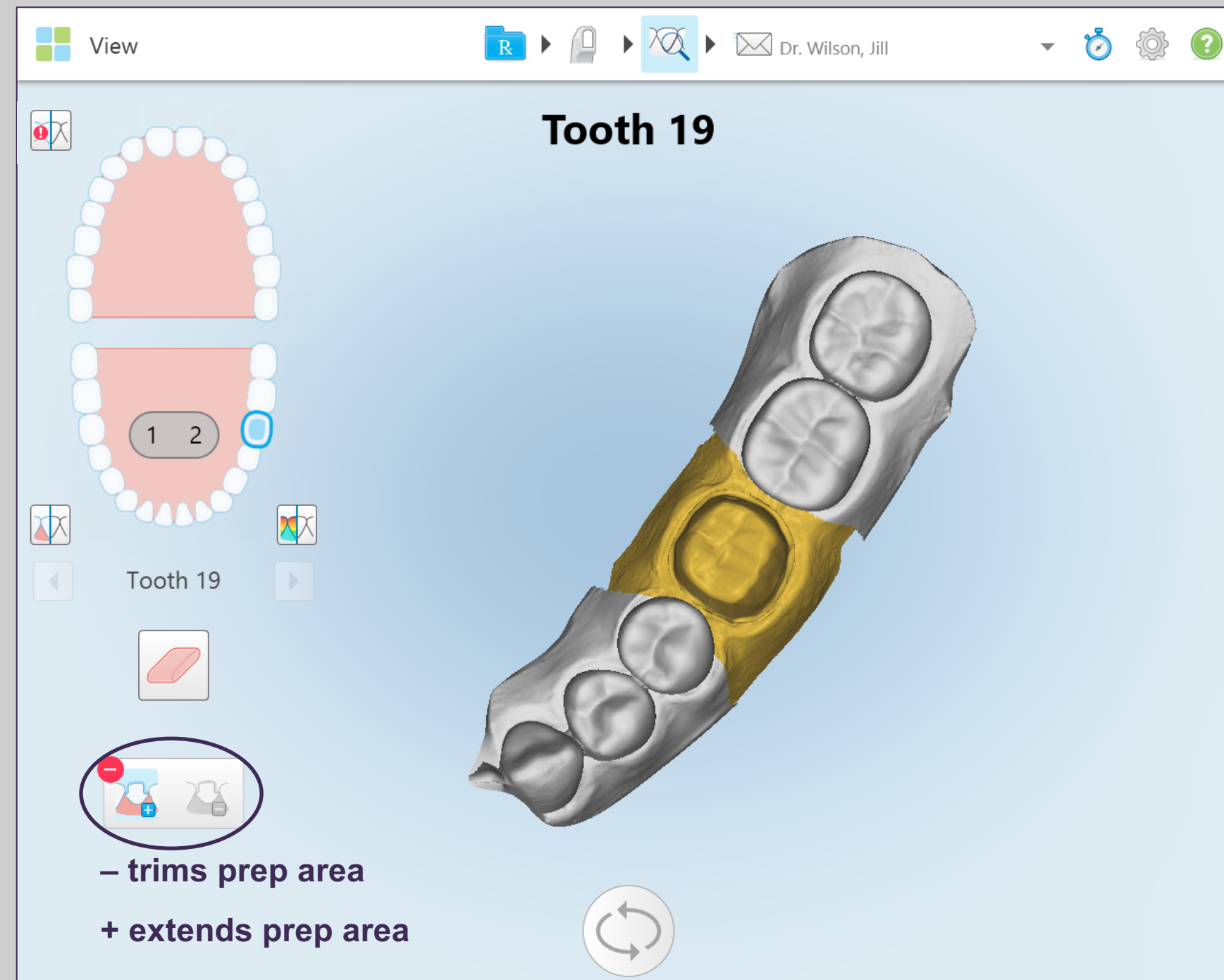
Ensure that the scanned bite registration matches the patient's occlusion

### Prescription

Confirm lab and additional notes



## Analyzing Tools - Prepped Separation Tool



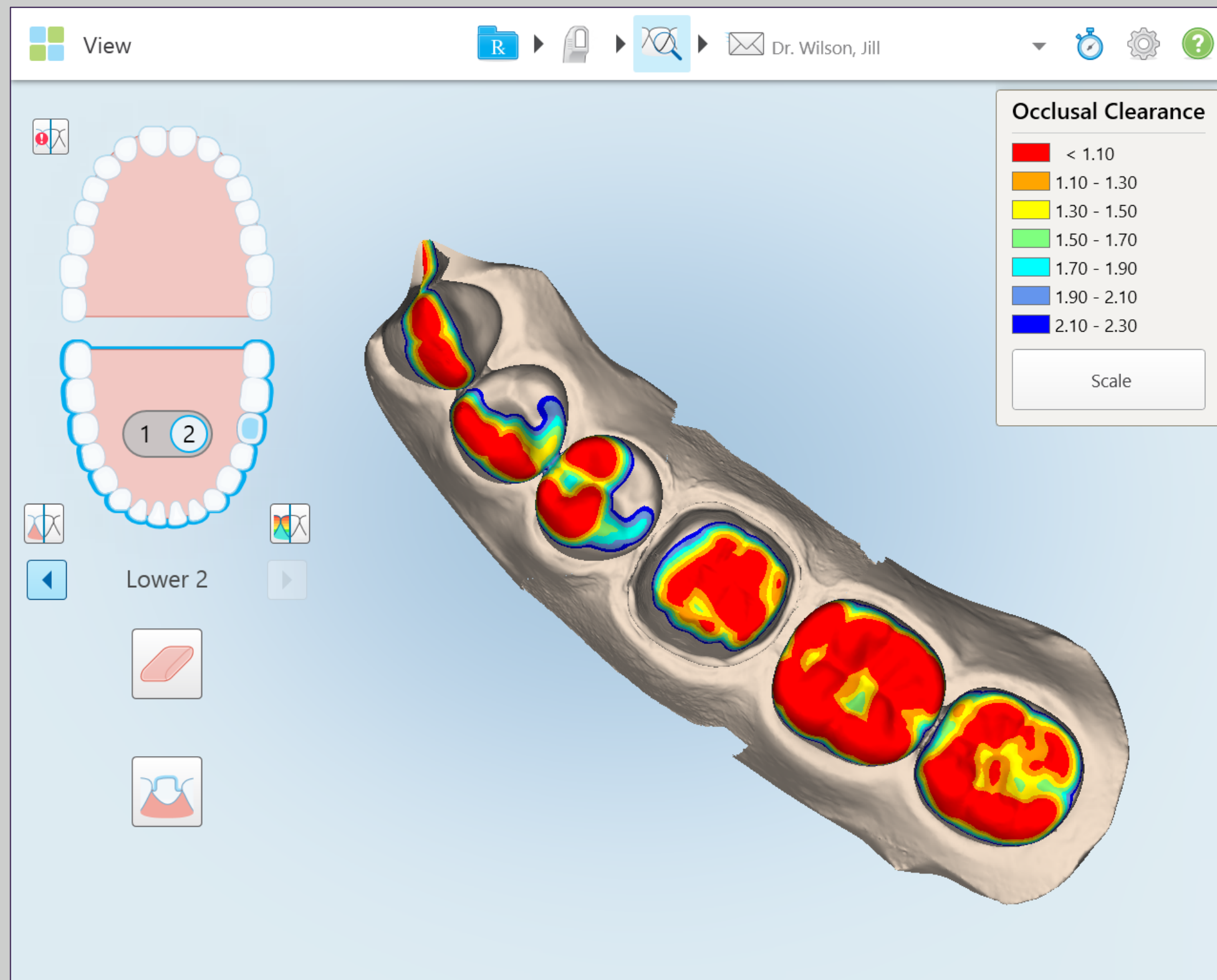
The Prepped Separation Tool is used to analyze the prep and surrounding areas in high resolution.

Select the prepped tooth to be analyzed

Tap on prepped separation icon

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

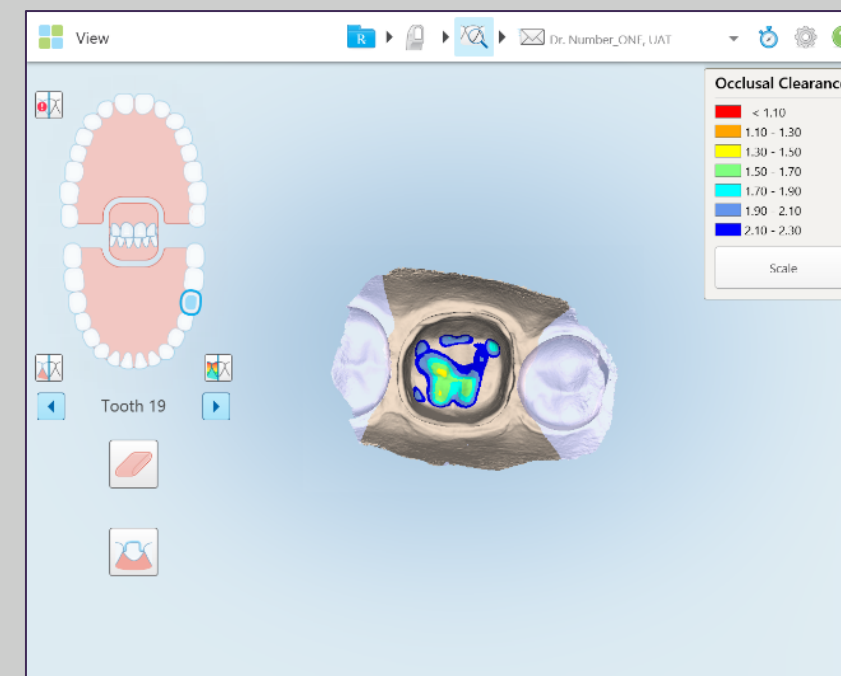
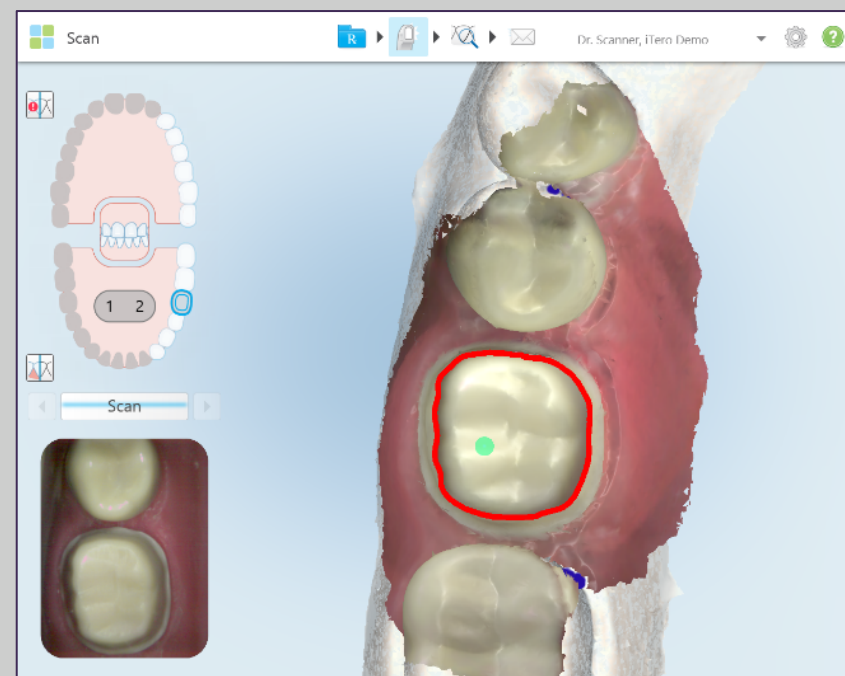
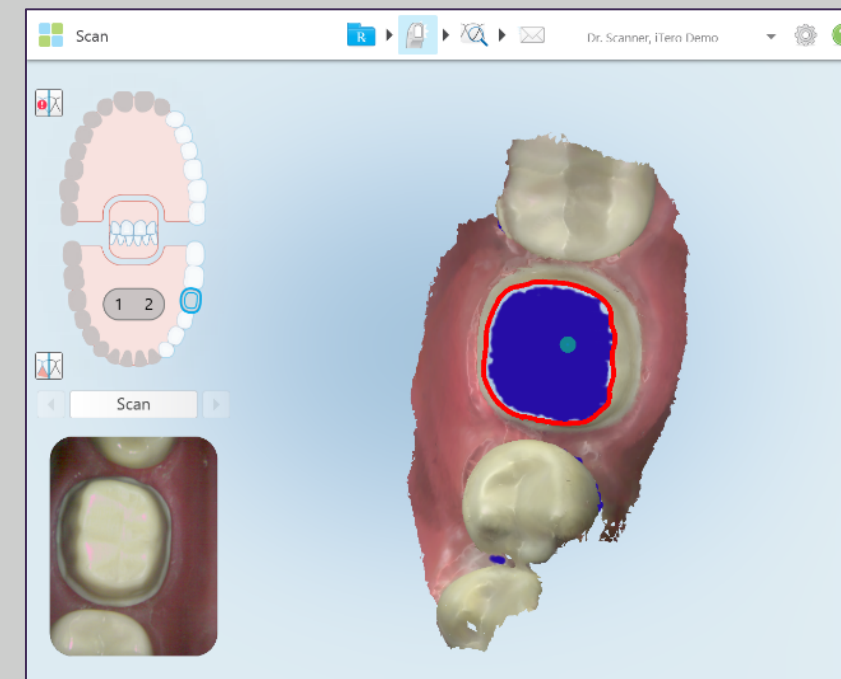
## Analyzing Tools – Occlusal Clearance Tool



**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.**

## Corrective Scenario - Erase and Correct Prep Clearance

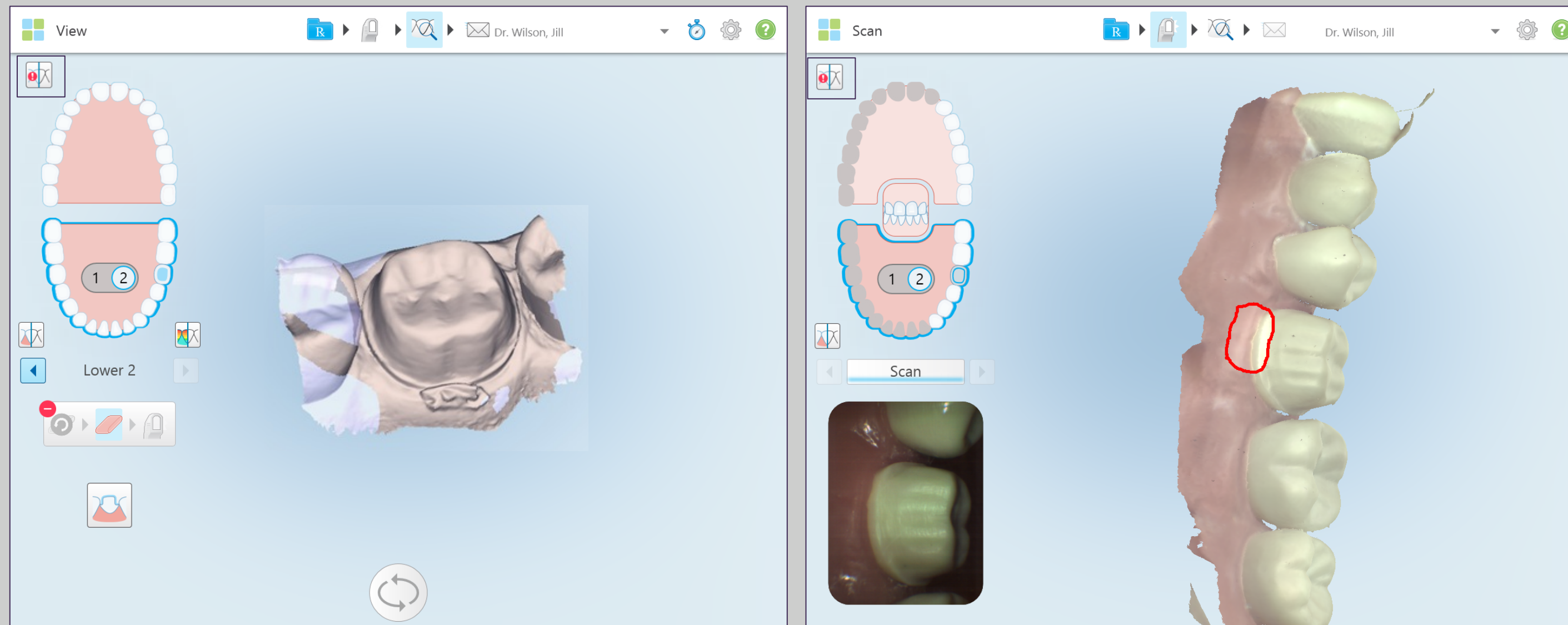


### Occlusal Clearance Corrections

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



## Corrective Scenario - Eraser Tool



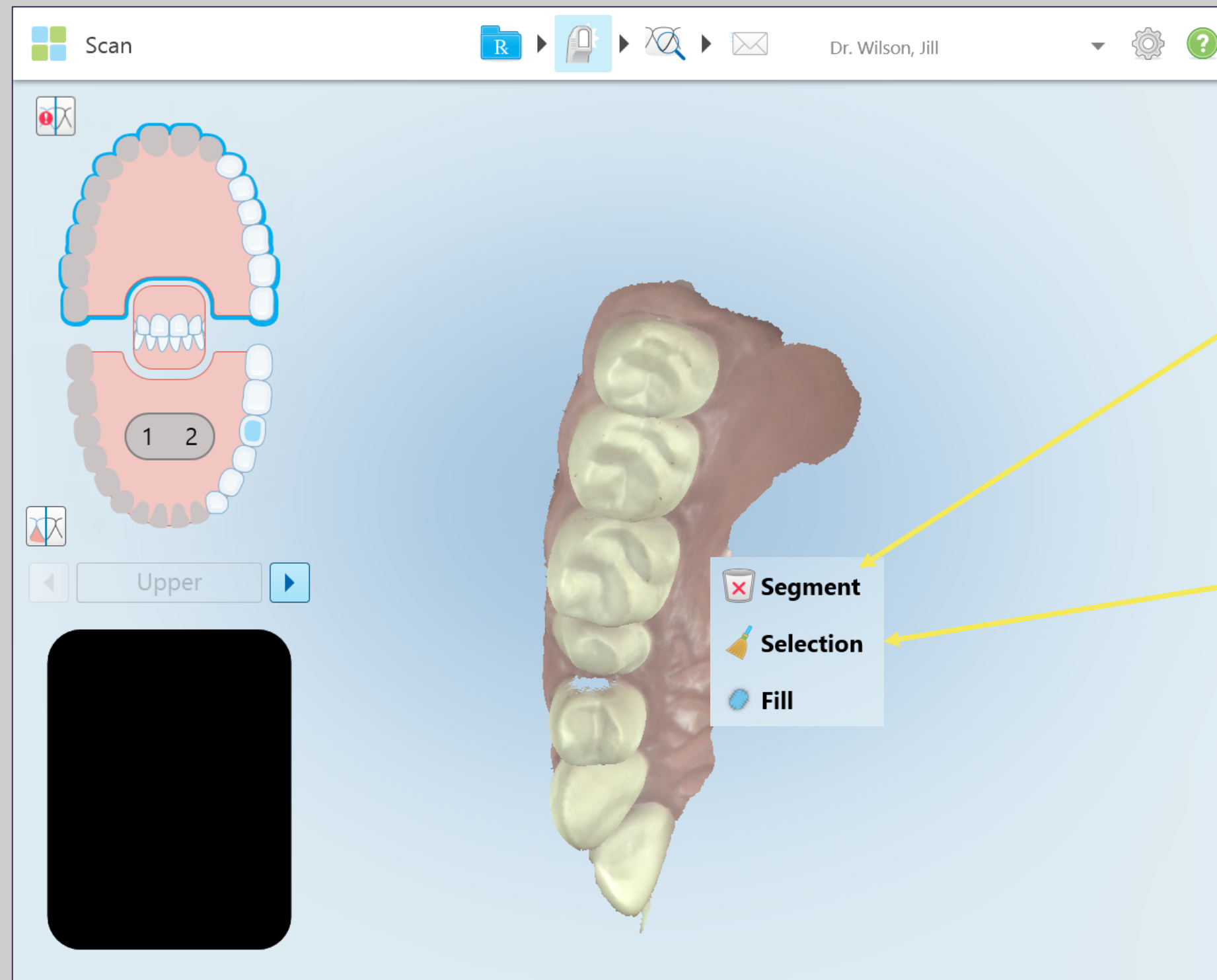
**Adjustments needed at the margin level (e.g. moisture, artifacts)**

**Follow the steps described previously**



# Restorative Scanning Basics

## 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.

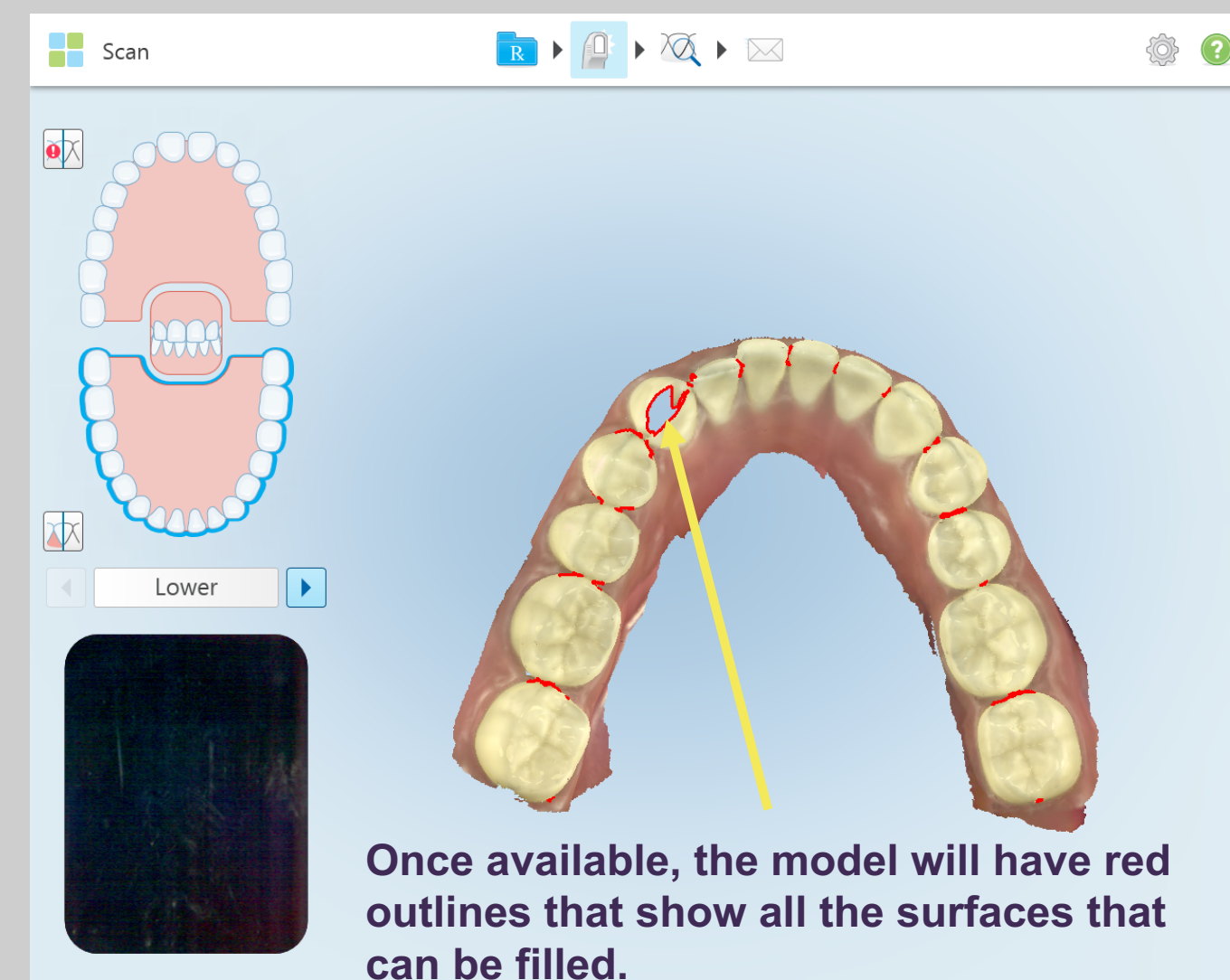
# Fill Mode

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.



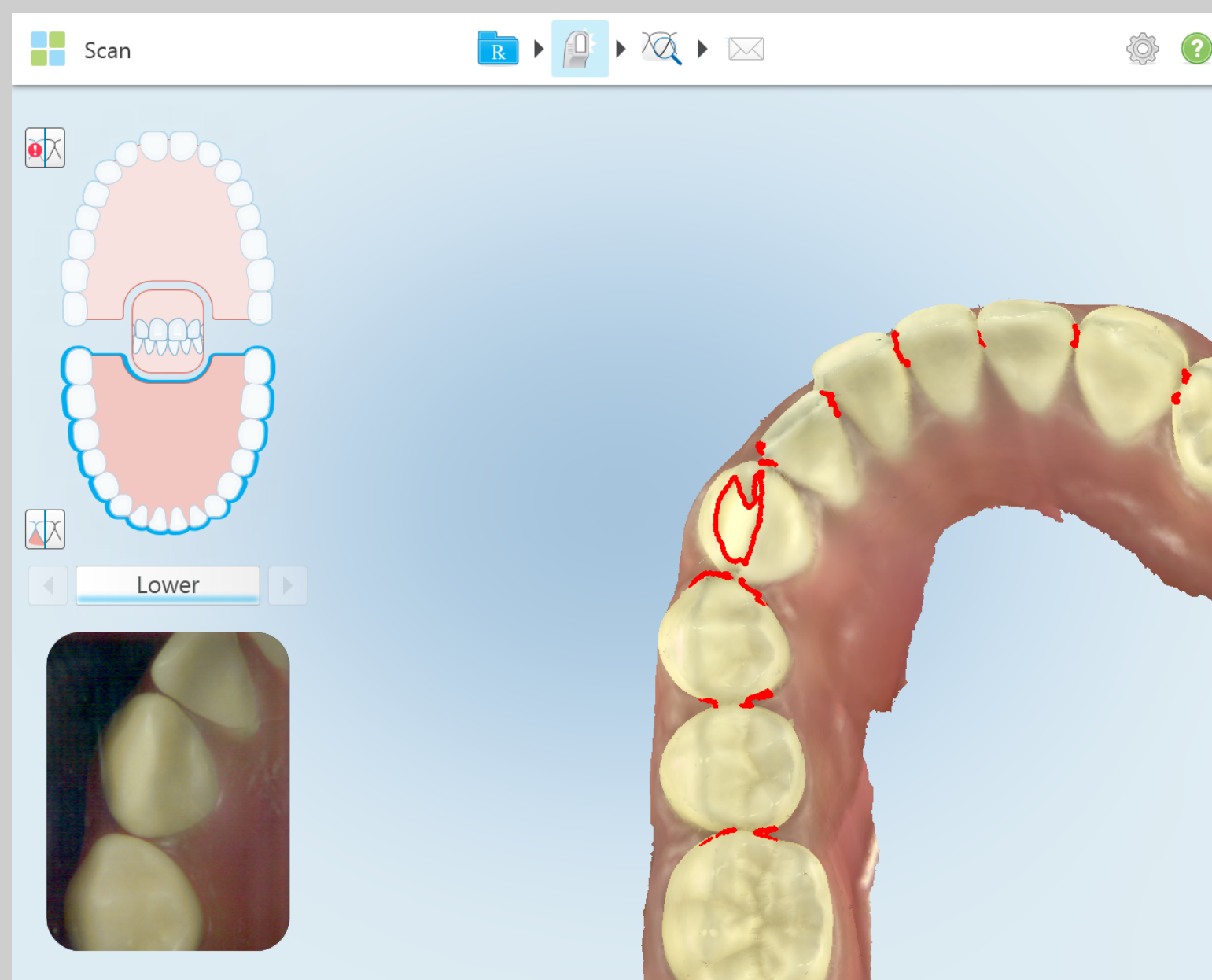
2. Select the "Fill" option. Depending on the number of scans taken, it may take a few moments to prepare the scan for the Fill mode to appear.



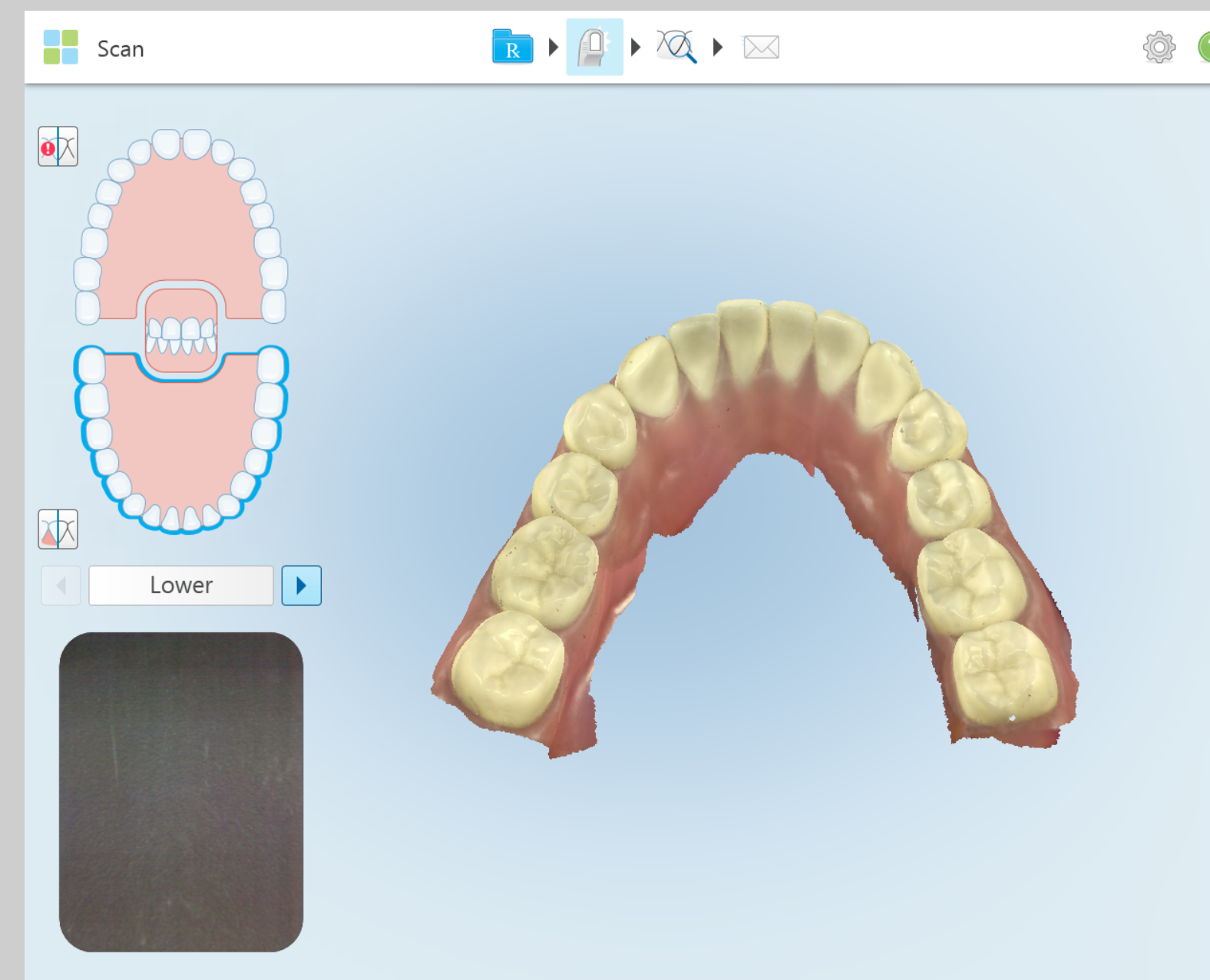


## Fill Mode

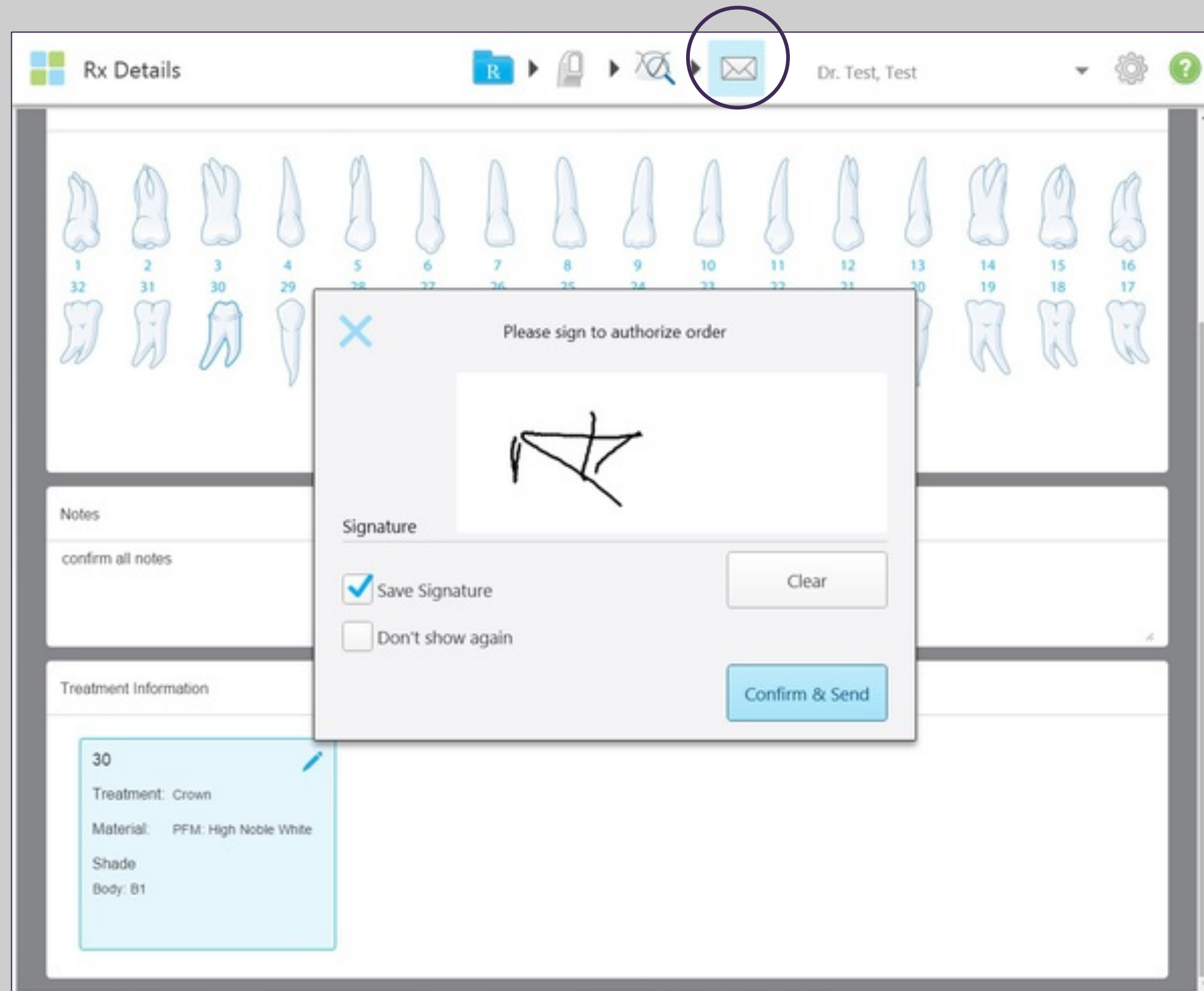
3. Rescan the area of persistent missing anatomy. Note: there is no need to fill every area marked in red. It is recommended to only fill the area not being captured.



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.



## Send a Restorative Case

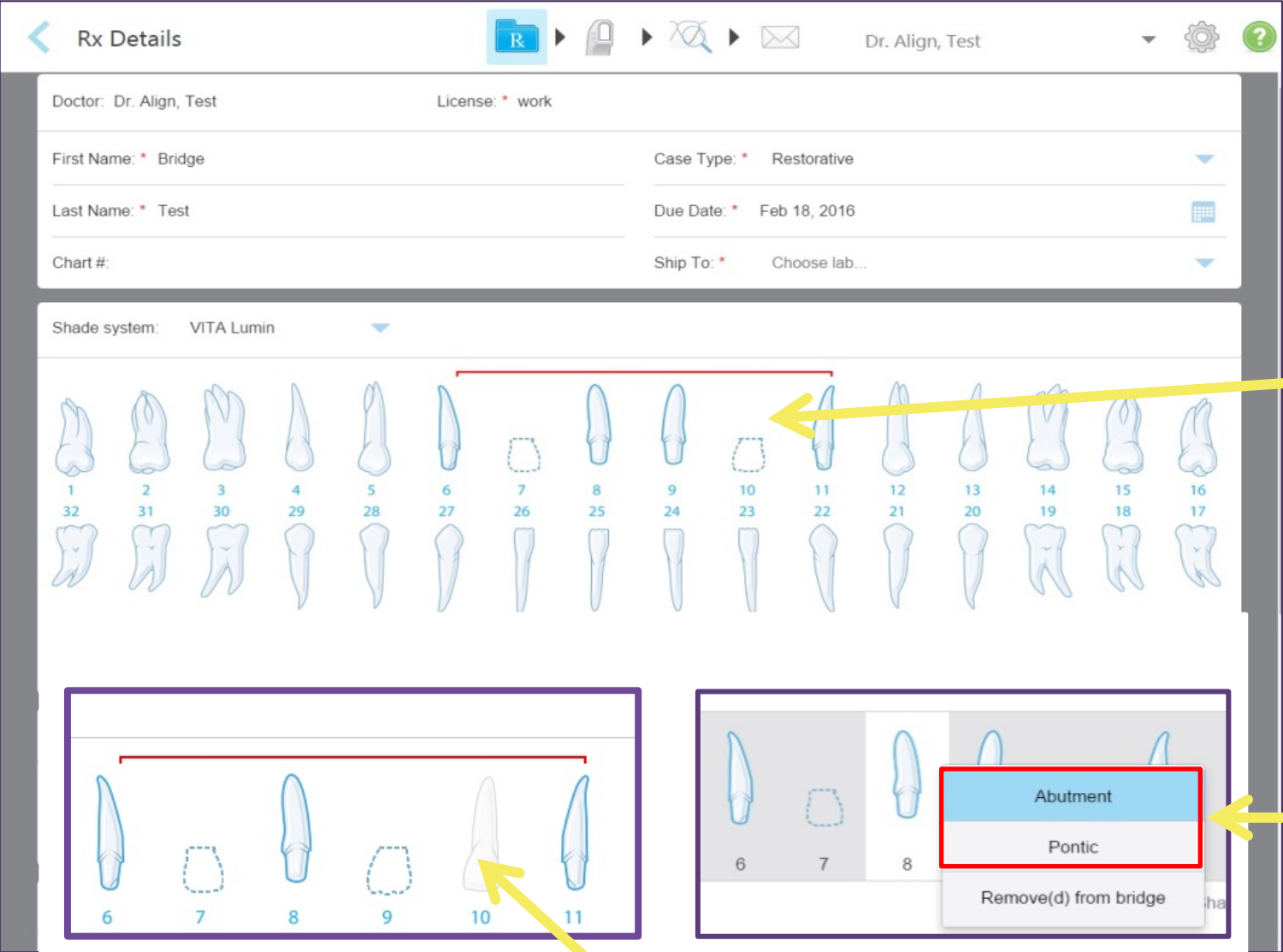


**Prior to sending a case, review the Rx again to confirm the prescription is filled out properly and all relative information is communicated to the lab.**

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



## 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'.

## Restorative Prescription for Bridges - Prep Design and Material

Rx Details

Dr. Align, Test

Bridge 6 To 11 Delete

6 7 8 9 10 11

Material \* PFM: Semi-Precious Shade system: VITA Lumin

Preparation Design \* Shoulder Shoulder Incisal

Margin Design \* Porcelain Butt Margin Metal Collar Mini (0.25... Body \* A3

Gingival

Stumpf Shade

Copy from Tooth 6 (Crown)

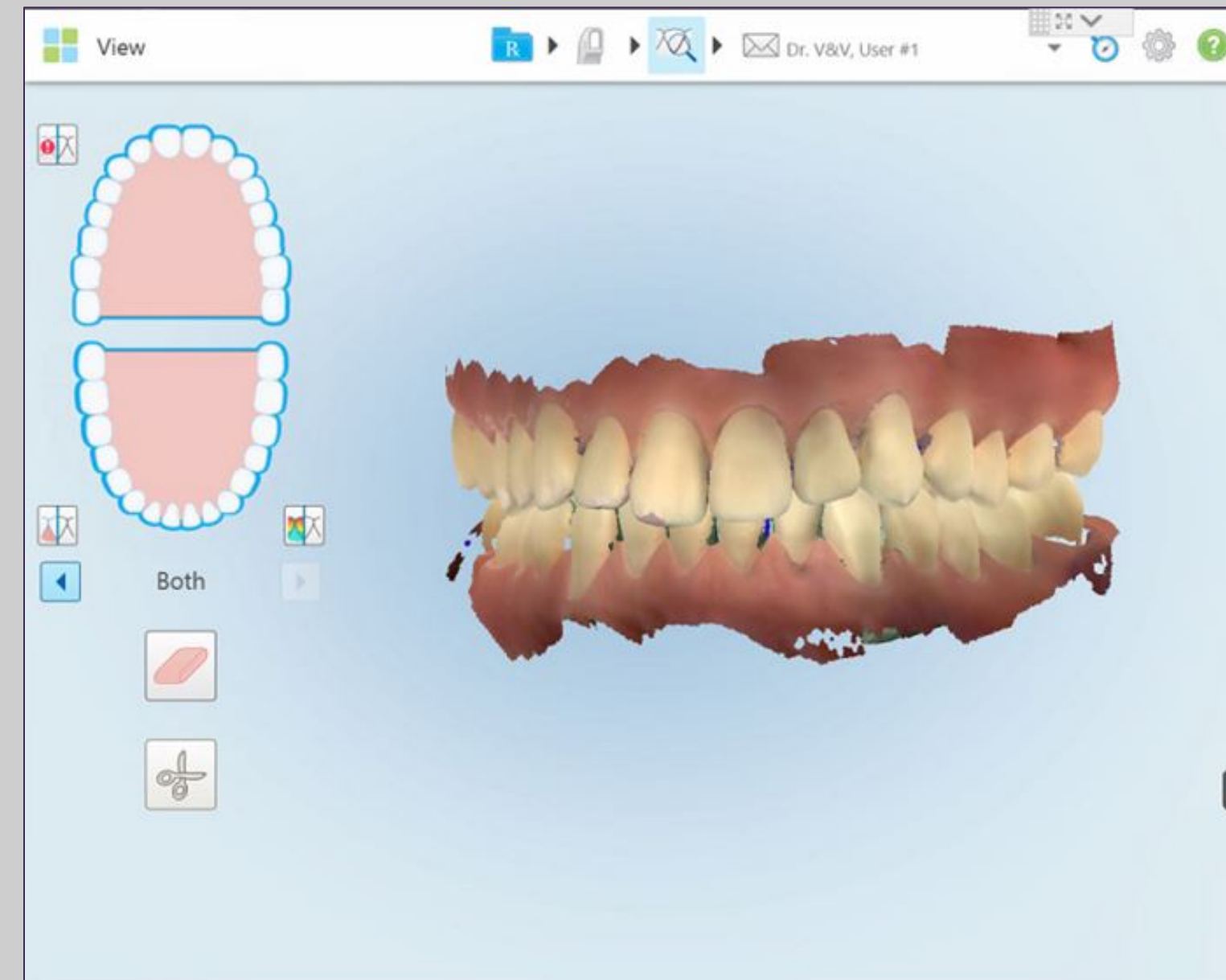
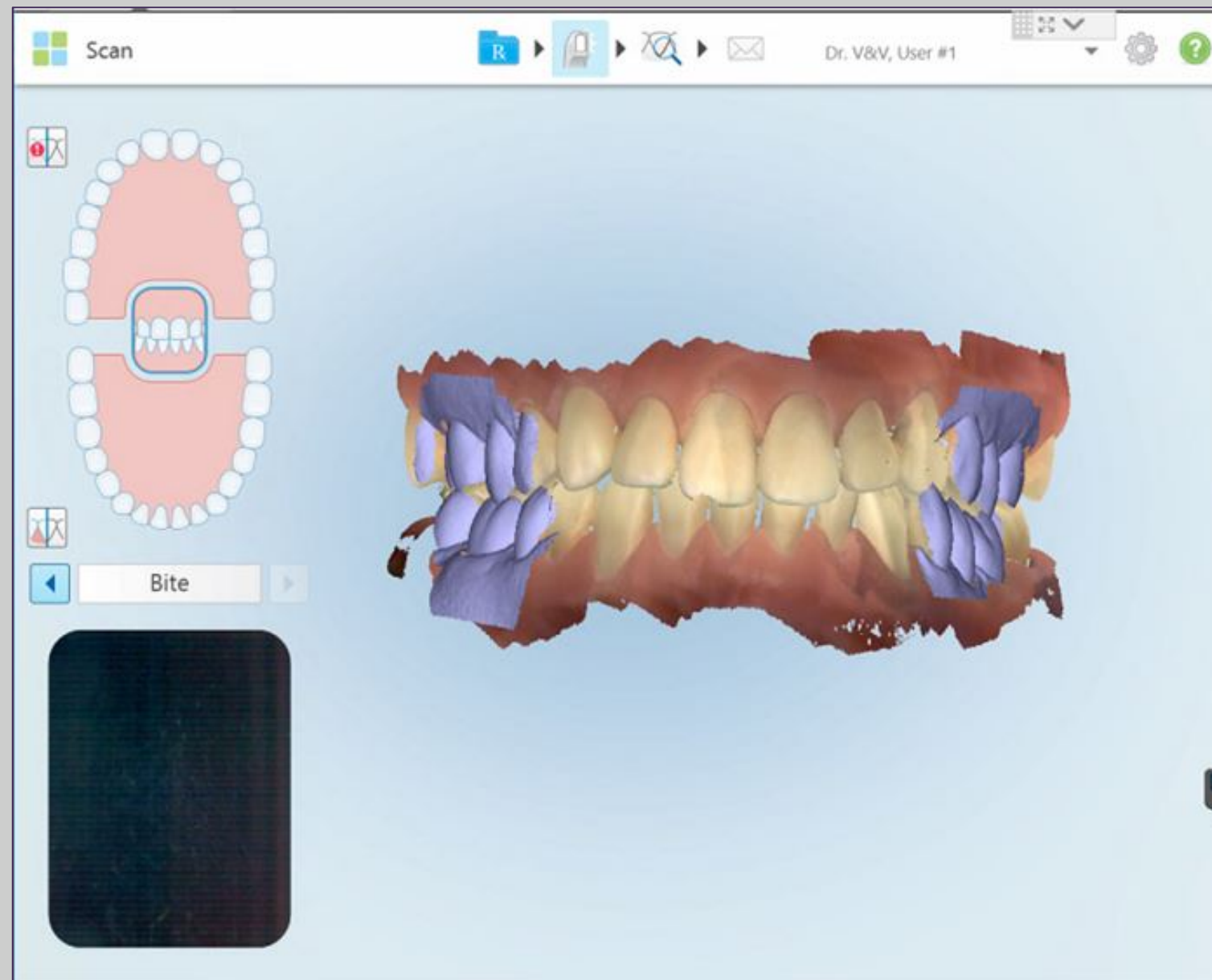
Notes

Add Notes

Treatment Information

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

## 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.

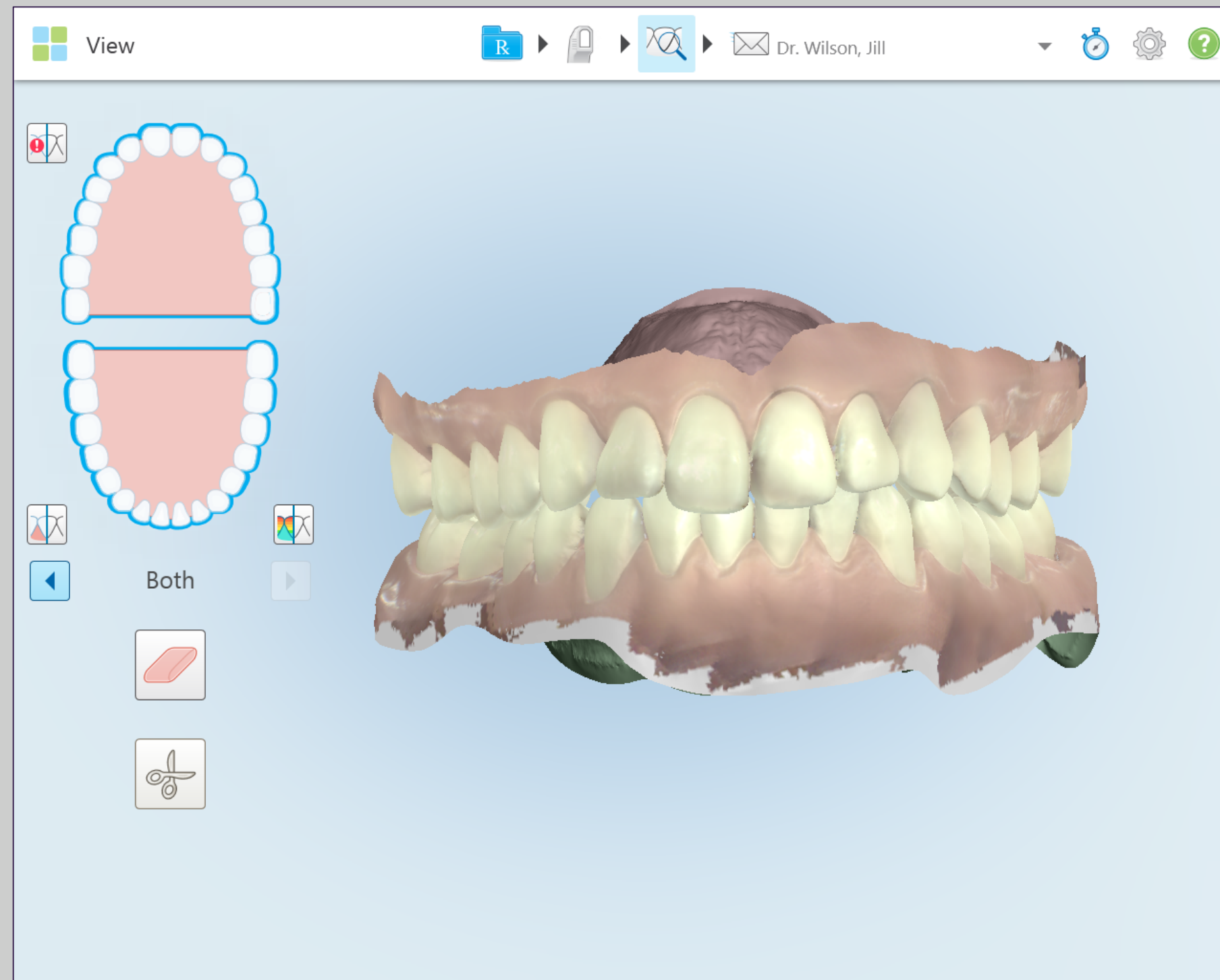
## Invisalign Powered by iTero



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



## Evaluate Digital Models

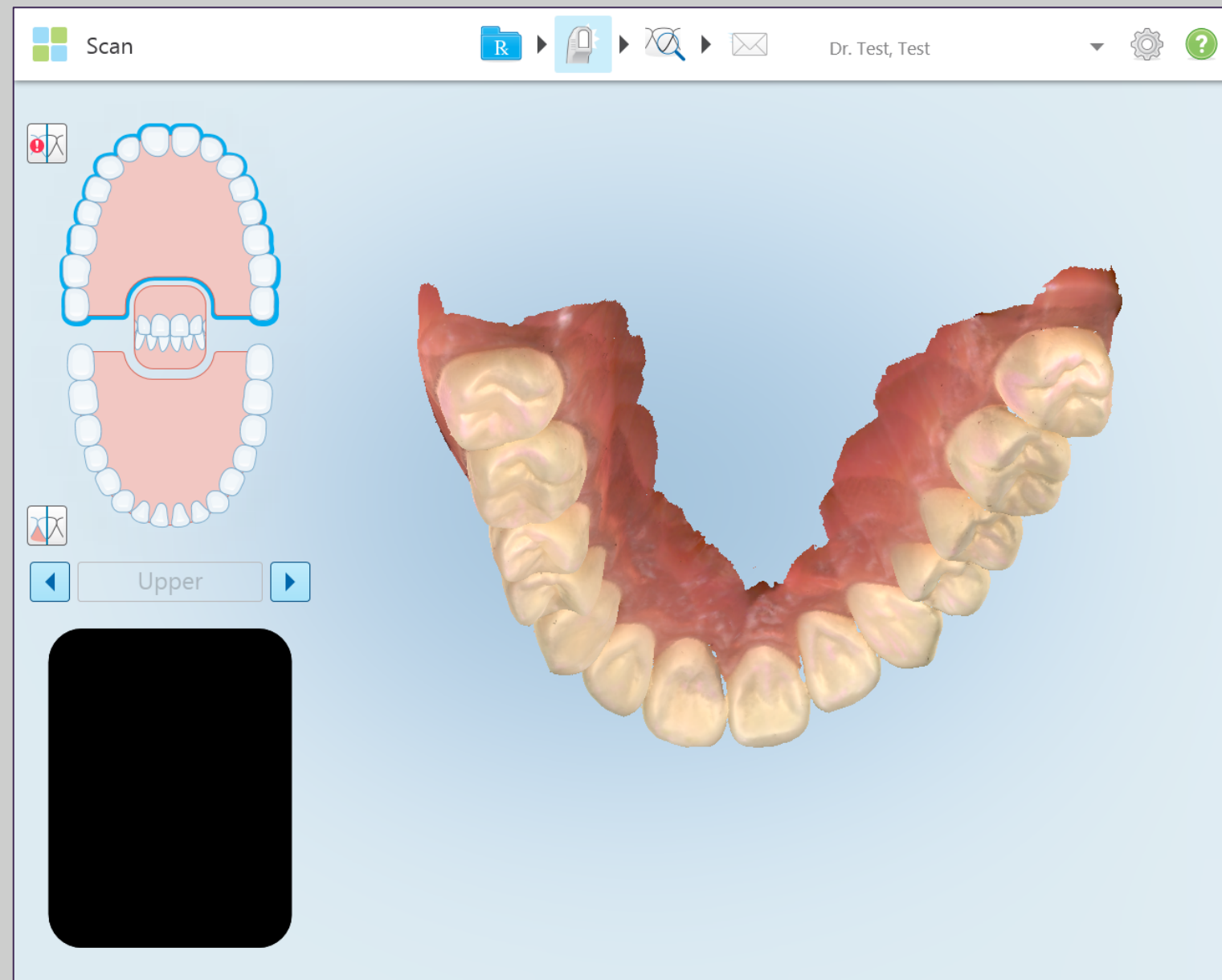


For production of properly fitting aligners, evaluate the digital model for the following before submitting

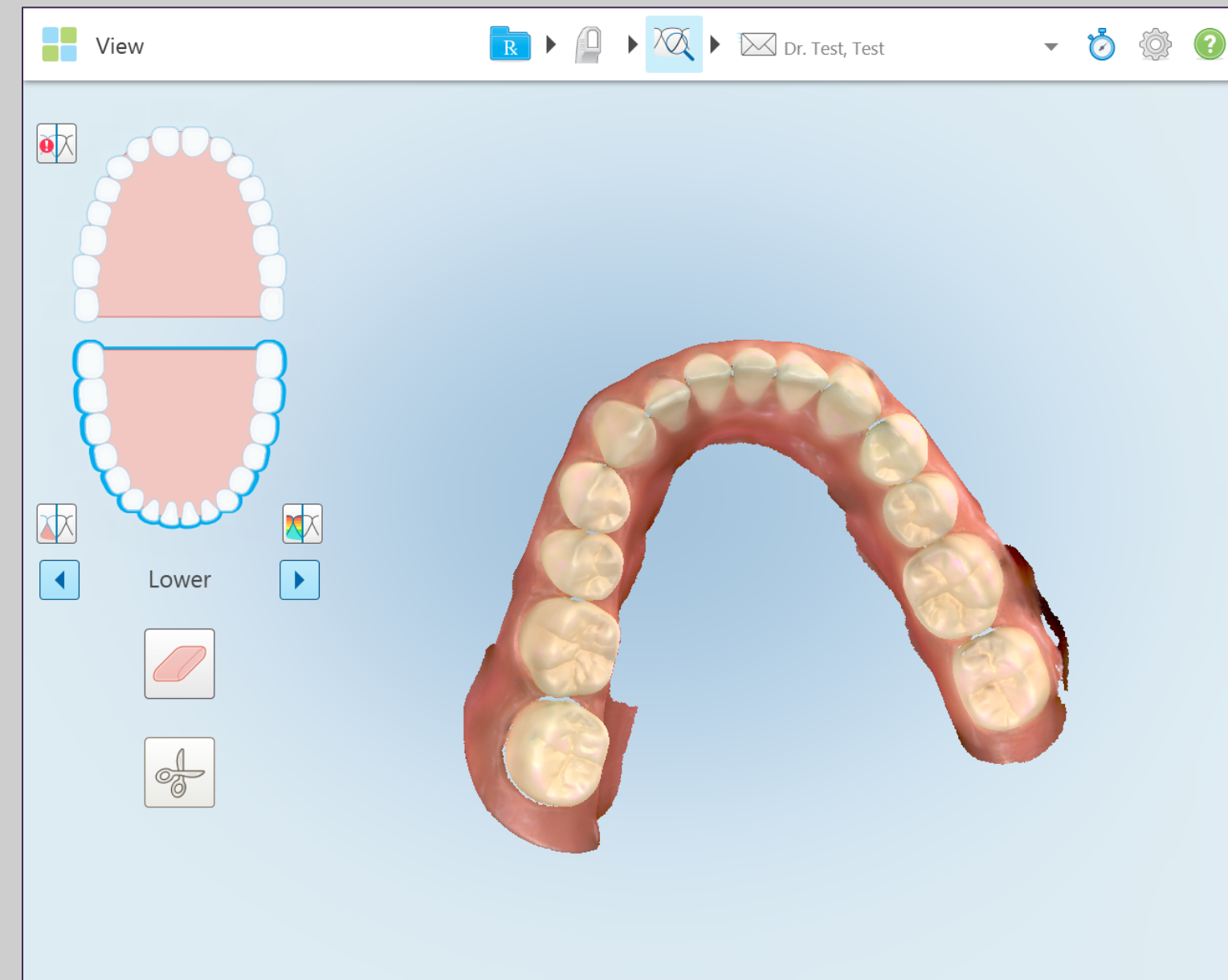
- Capture 2 mm of gingival tissue
- Distal wall of the terminal teeth
- Mesial and distal interproximal anatomy
- The complete incisal / occlusal surfaces of both mandible and maxilla
- Accurate bite with the patient in centric occlusion

## Evaluate Digital Models

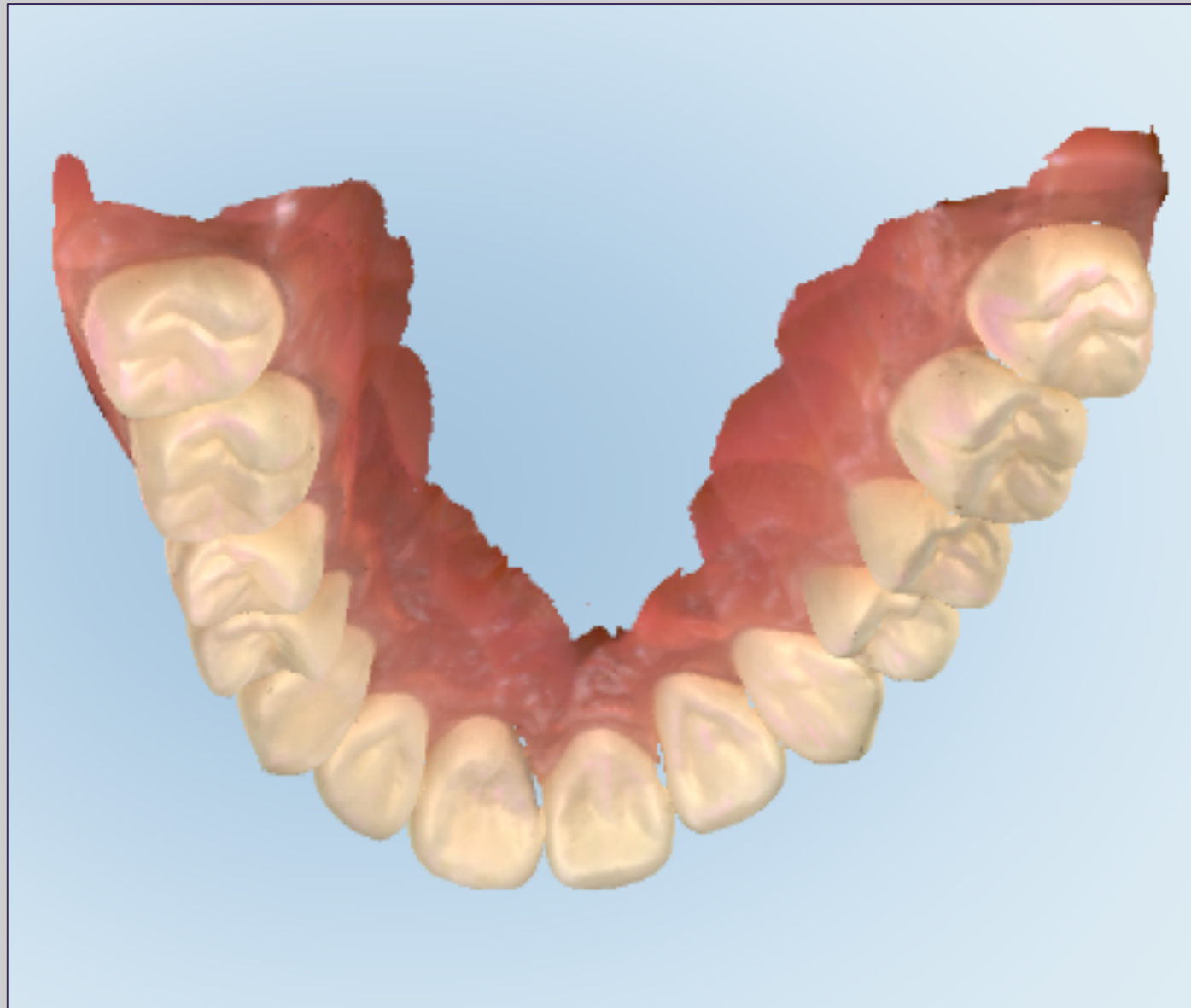
Distal wall of upper terminal teeth.



Distal wall of lower terminal teeth.



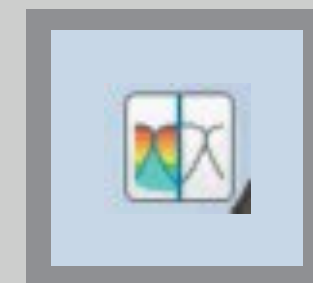
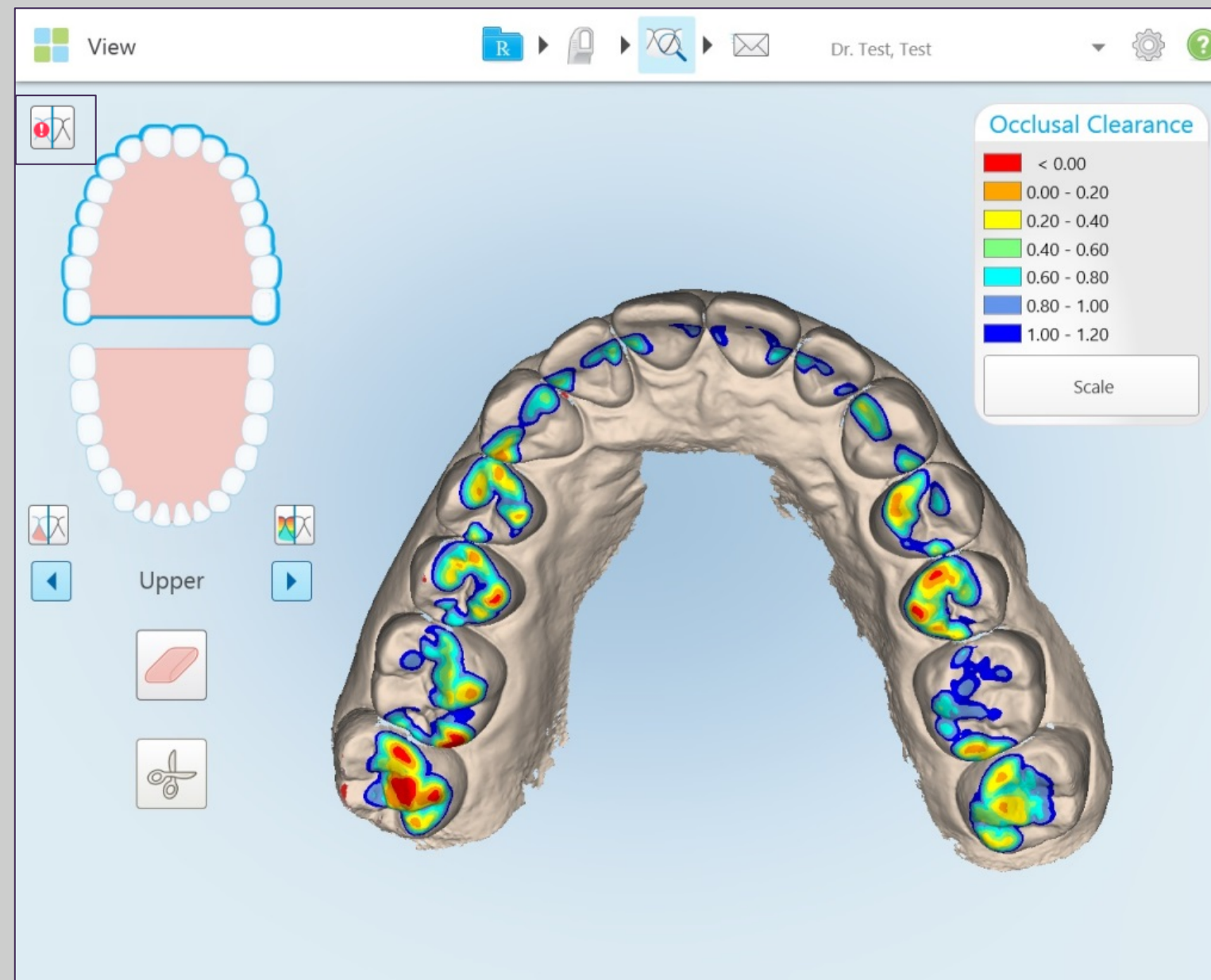
## Evaluate Digital Models



**The complete incisal / occlusal surfaces of both mandible and maxilla**



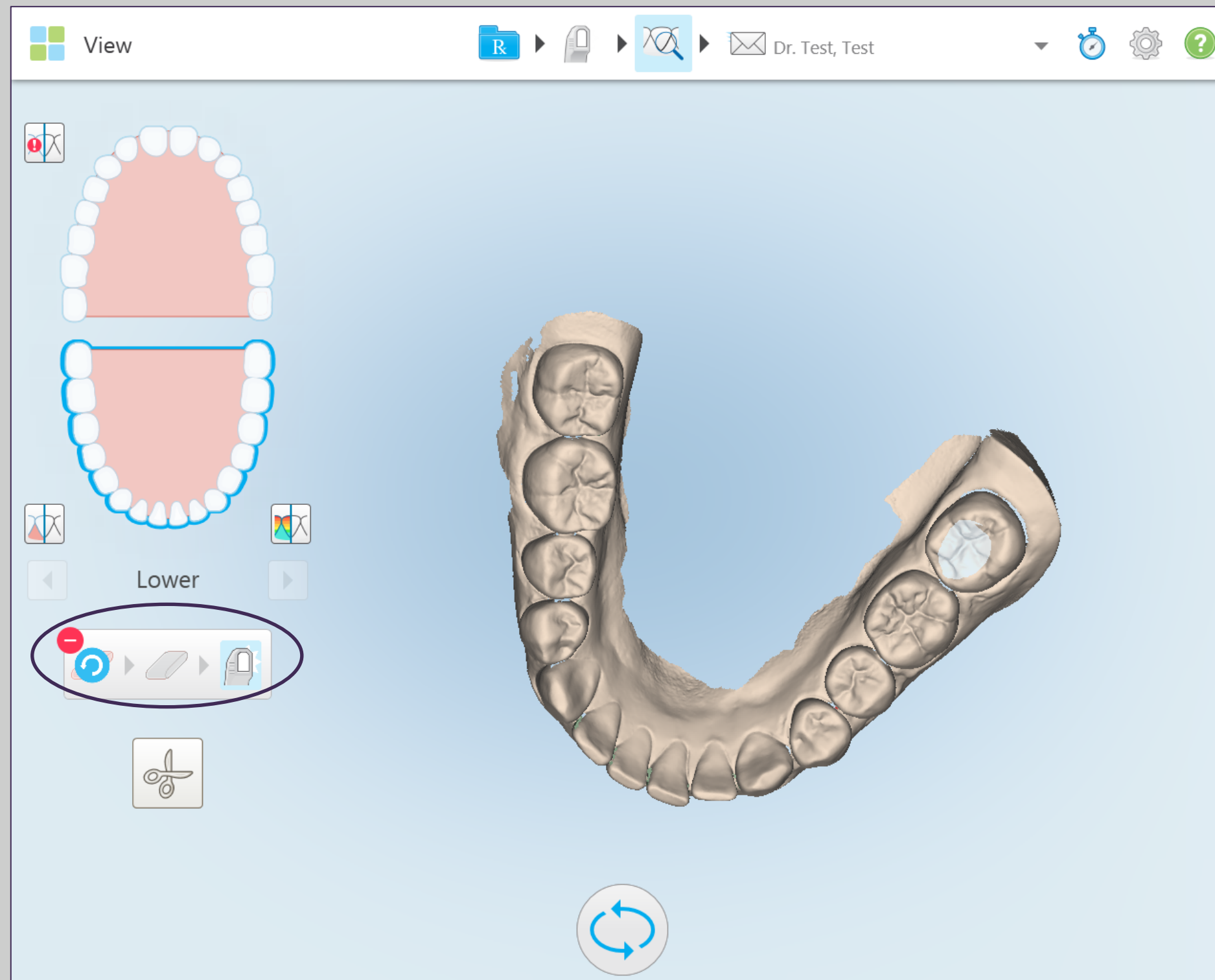
## Evaluating Digital Model / Occlusal Analysis



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

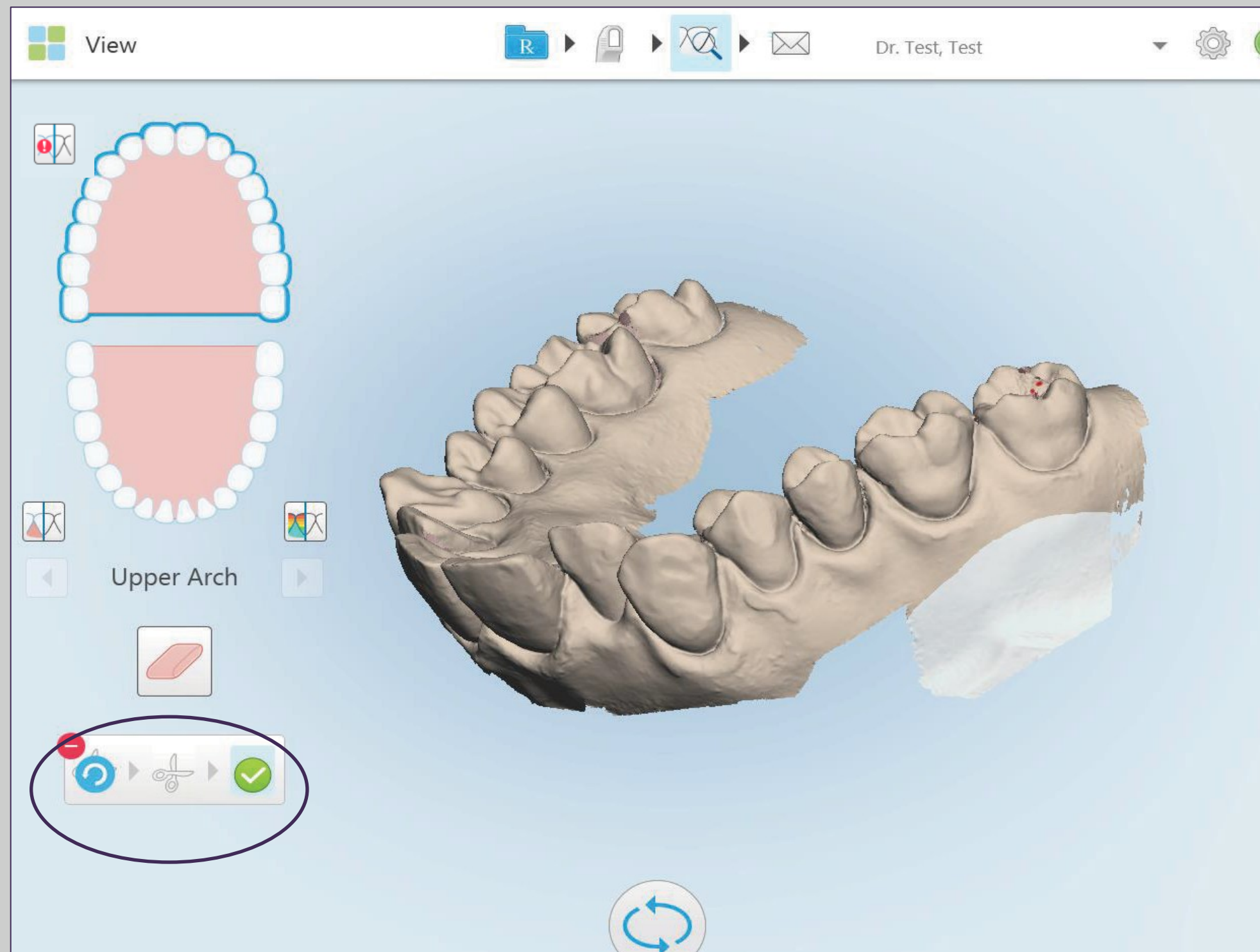


# Using Eraser Tool



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

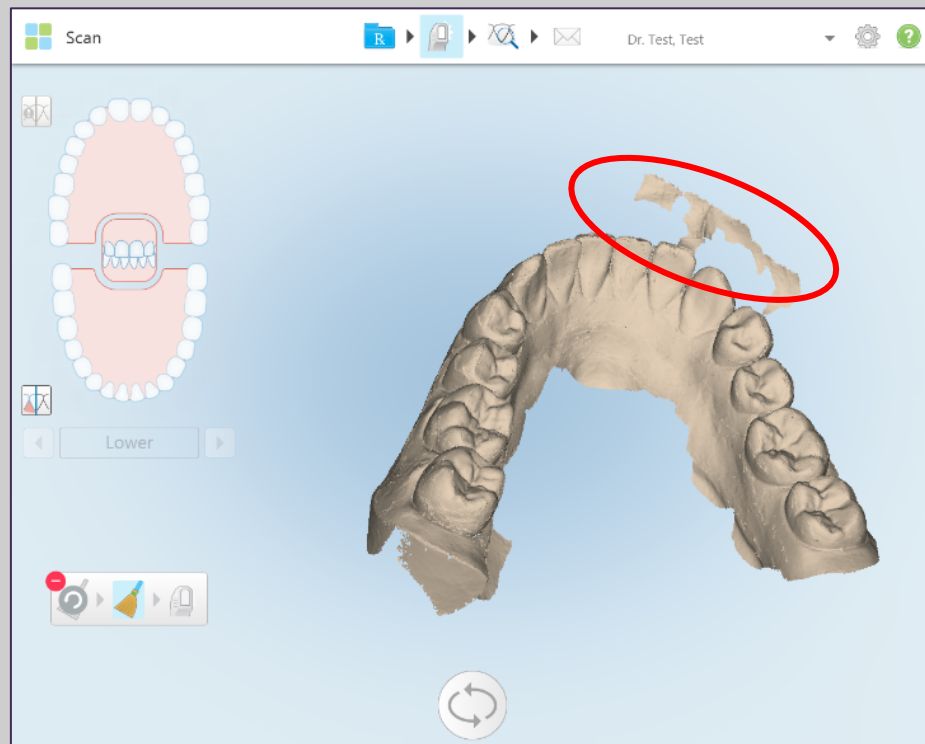
# Using Trim Tool



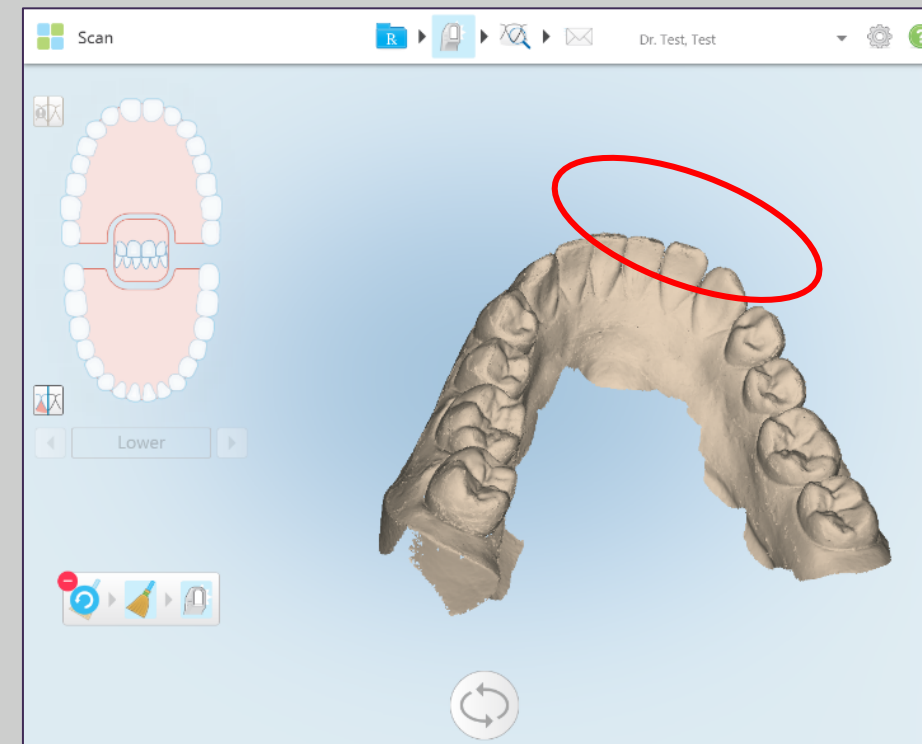
Use the Edge Trim tool if there is excessive cheek or lip artifacts that should be removed from the scan

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

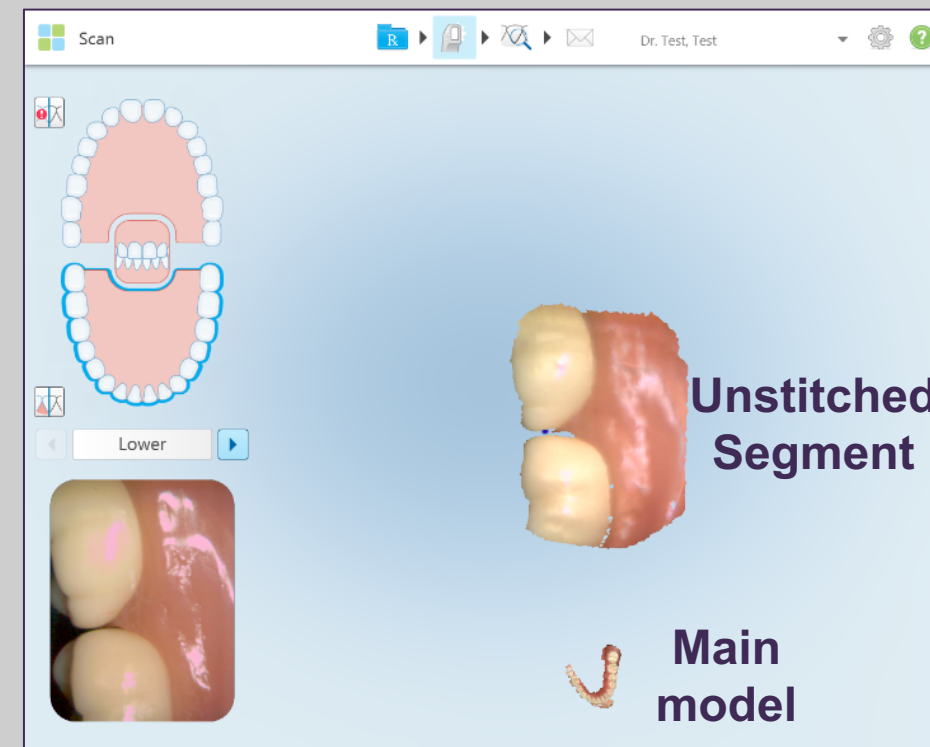
# Tools – Deleting a Scan



Remove an artifact (soft tissue)



Wrong jaw scanned



Tooth anatomy not stitching

## Available in scan mode

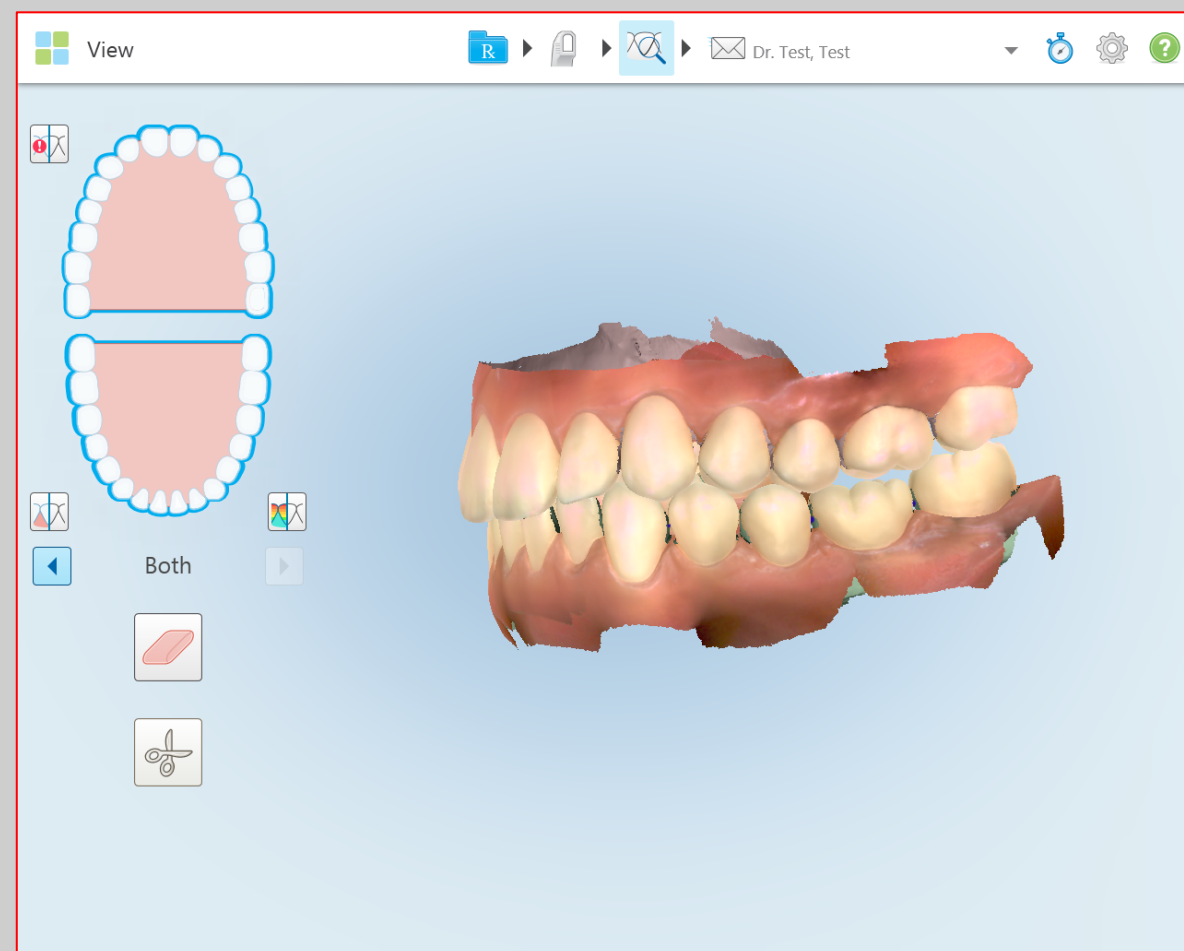
1. Tap on the arch to be deleted
2. Press and hold on the model
3. Tap on the waste pail segment or broom icon
4. Confirm deletion
5. Rescan area



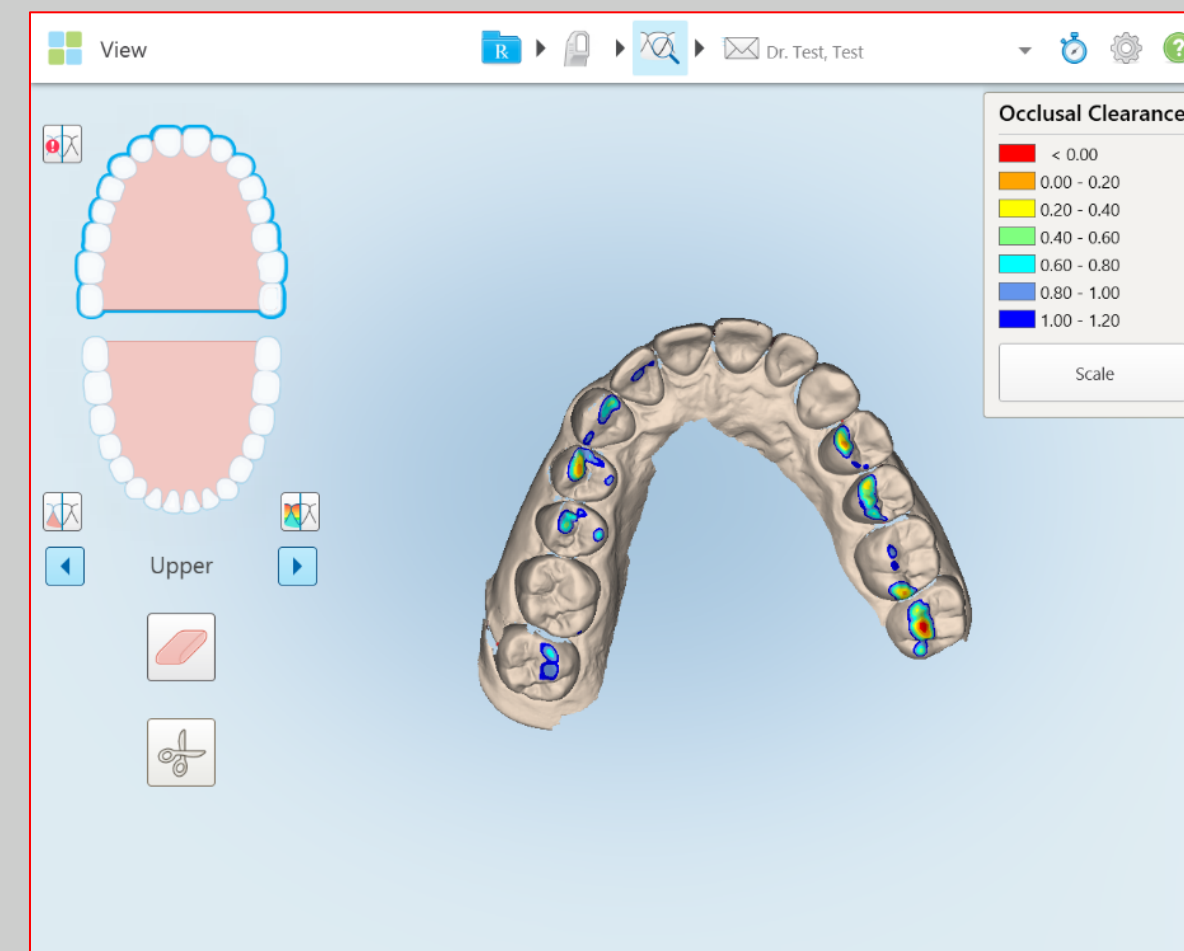
# Tools – Deleting a Scan and Correcting the Bite

## 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.



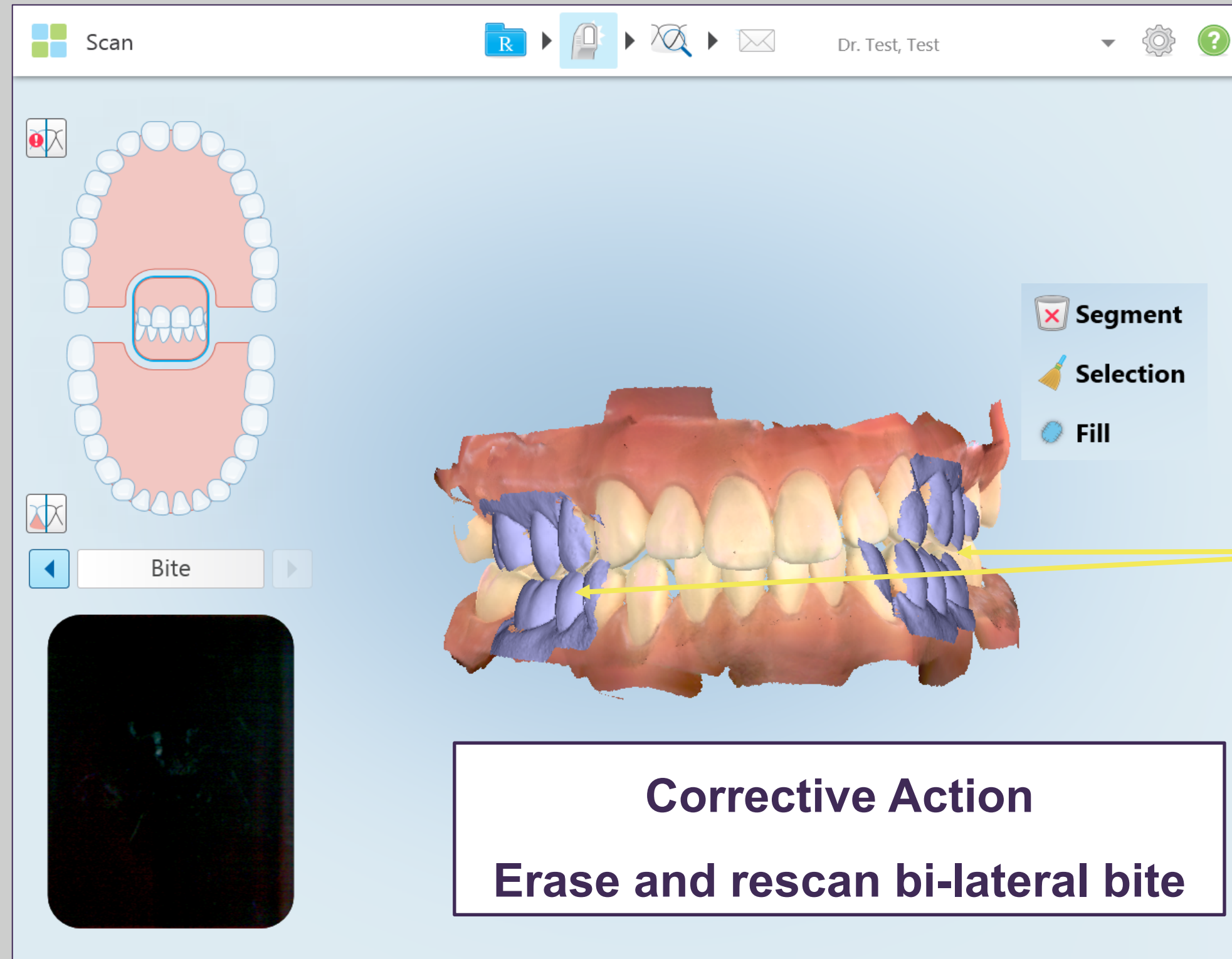
**Incorrect bite registration**



**Occlusogram display  
Poor contacts**

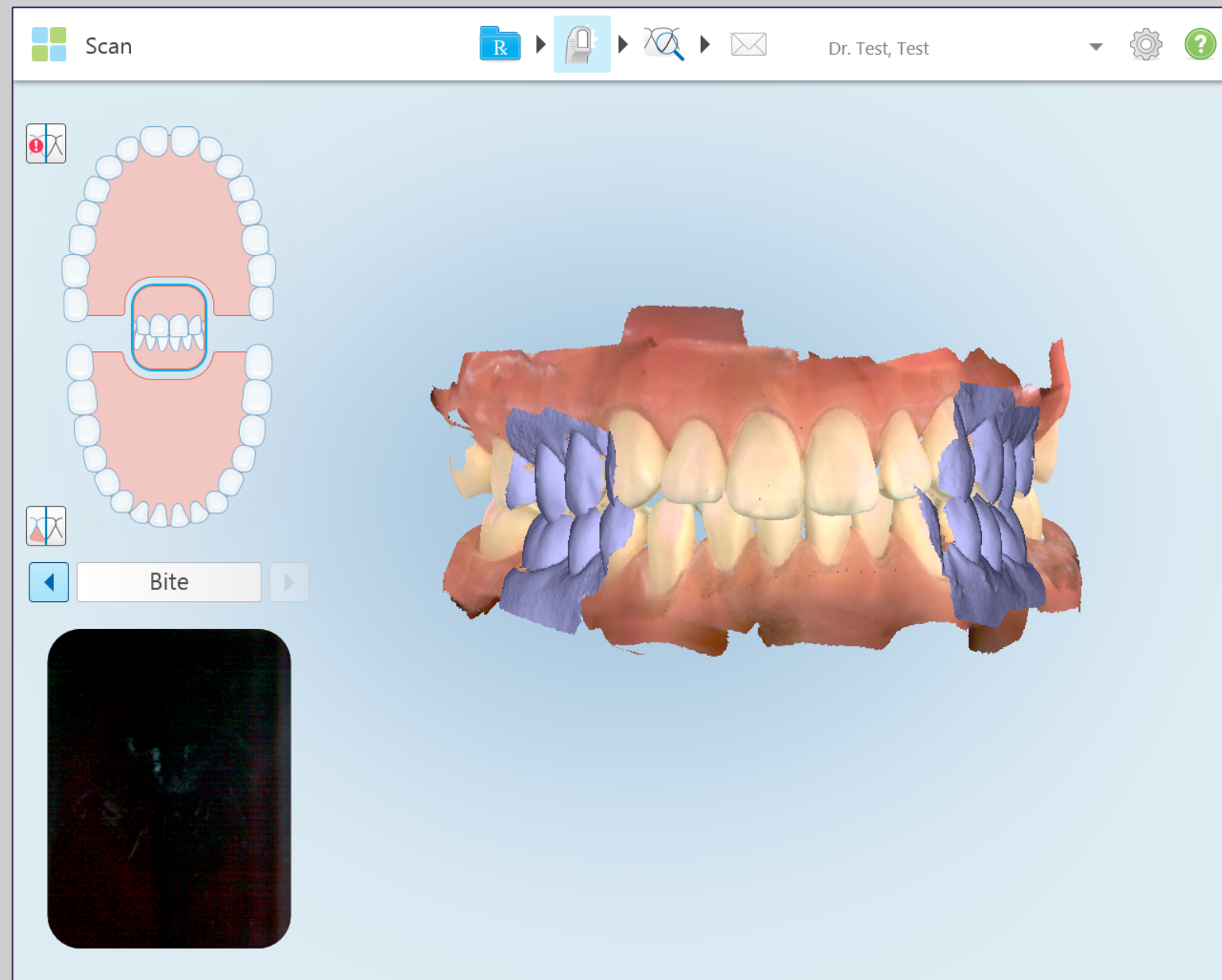


## Tools – Deleting a Scan and Correcting the Bite

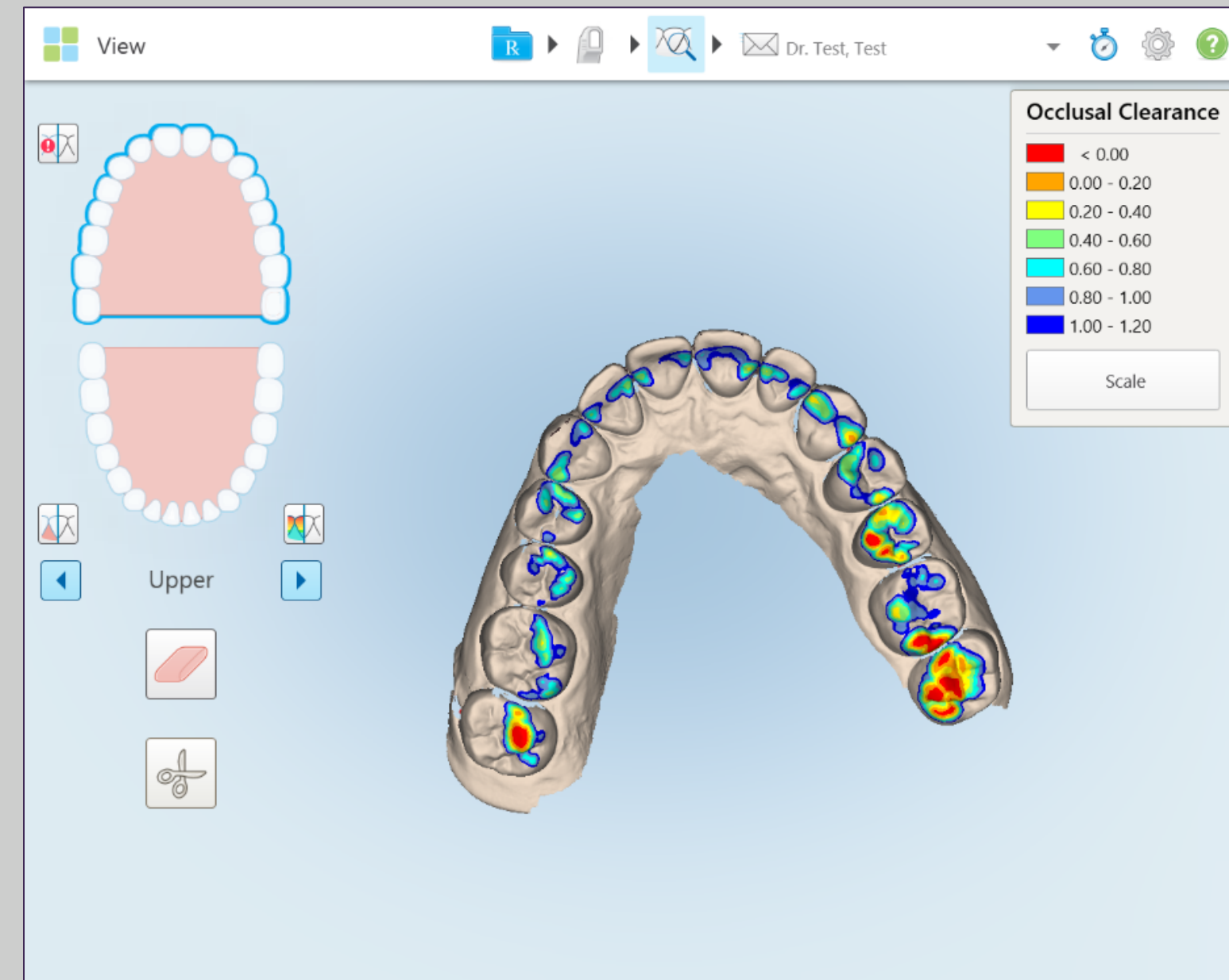


Tap on both bite segments to delete  
Rescan

## 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

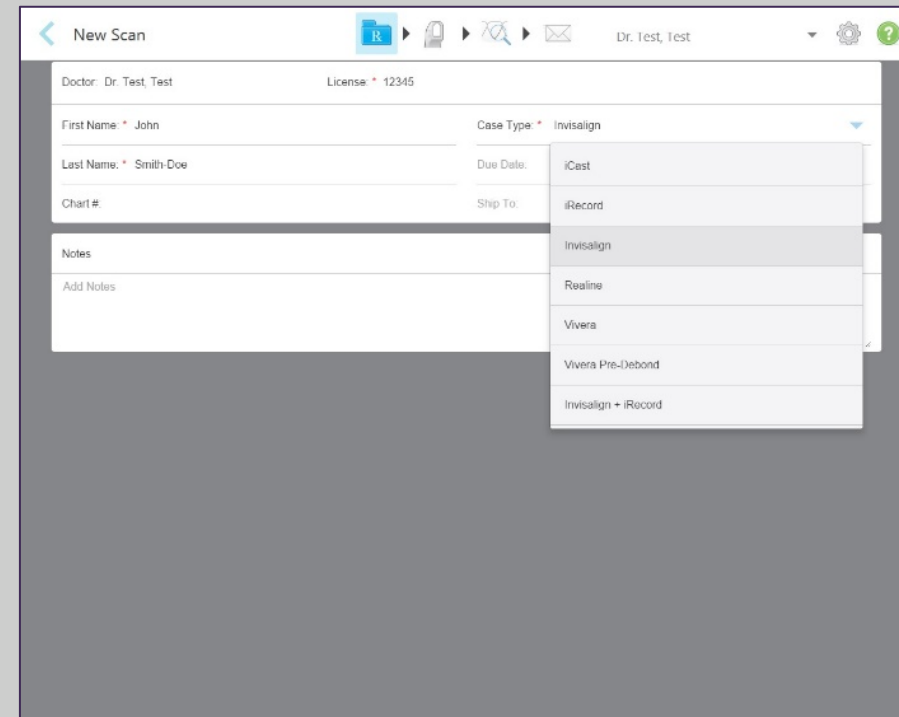
### Conditions for the Add Rx to be enabled:

- 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

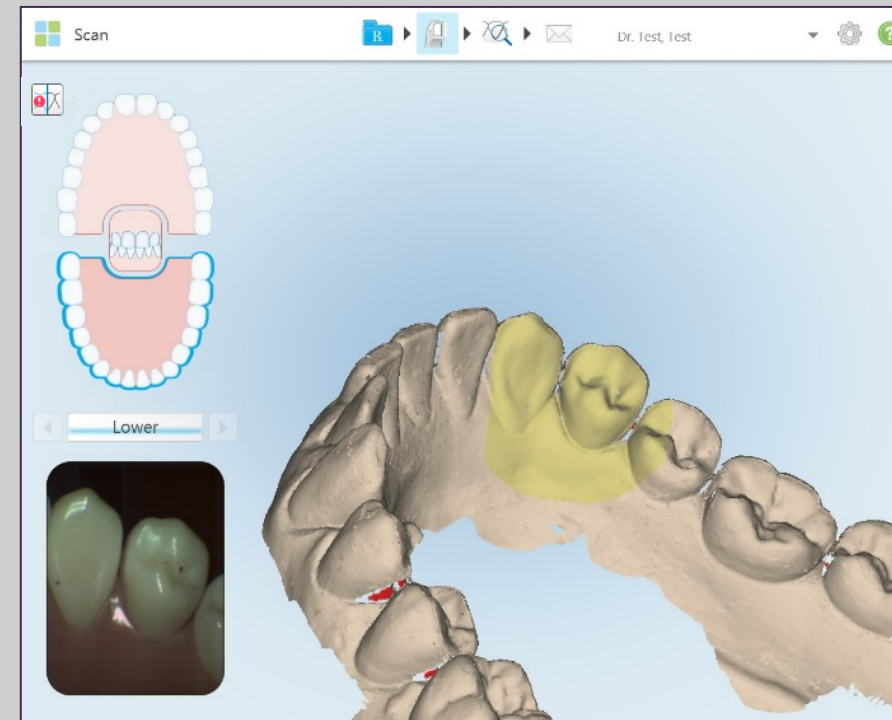


# Add Rx To An Existing Sent Scan – Workflow

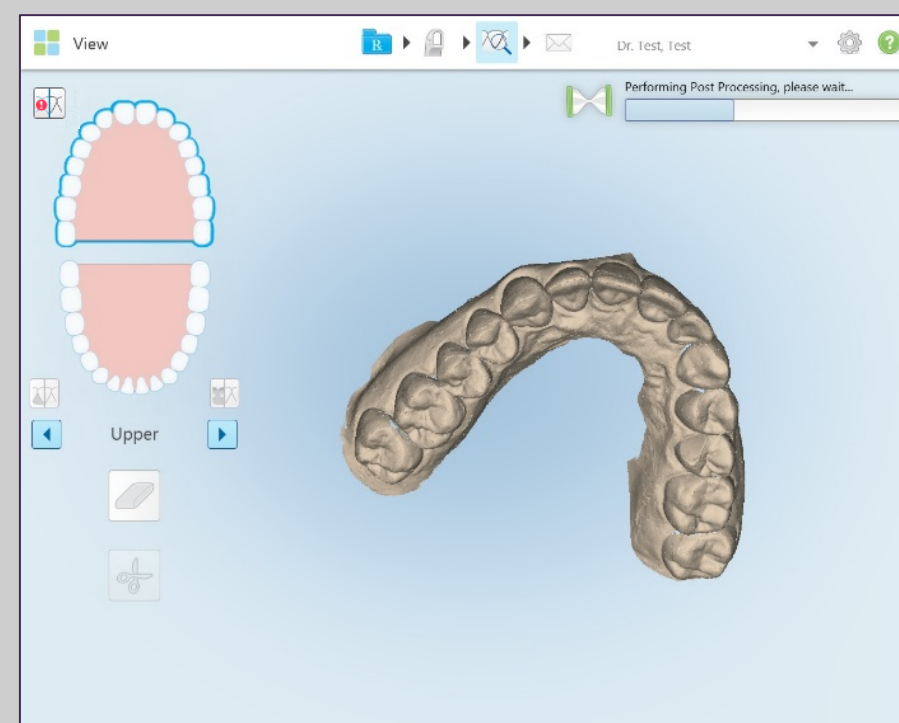
## 1. Select case type



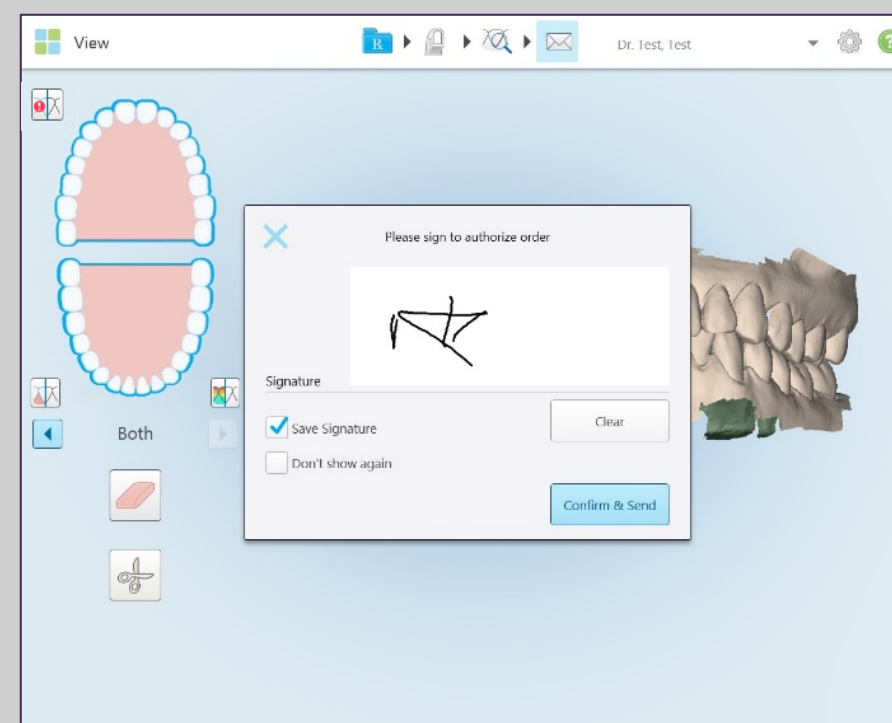
## 2. Add scans as needed



## 3. Tap on view tool

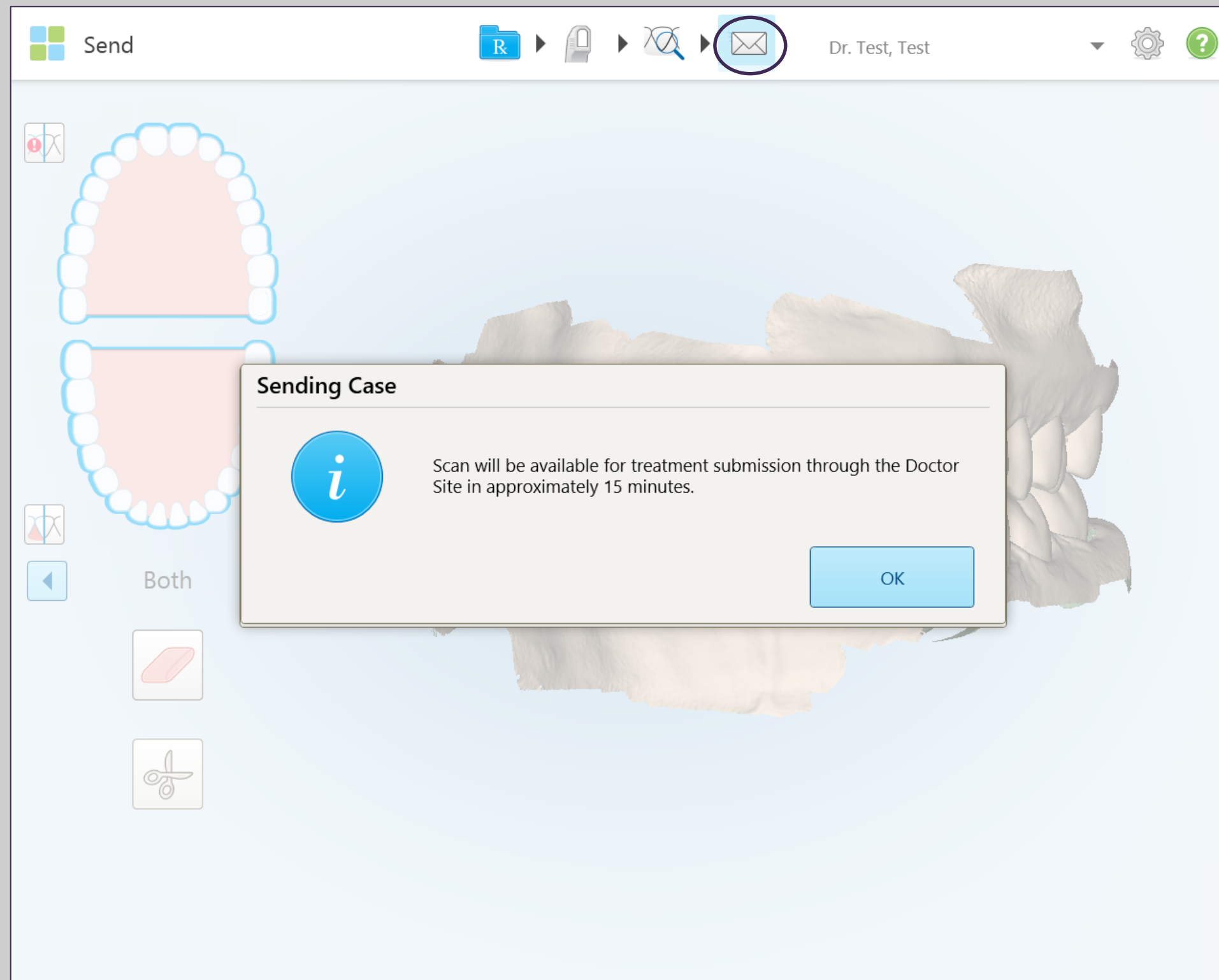


## 4. Send the case





## Submitting Case

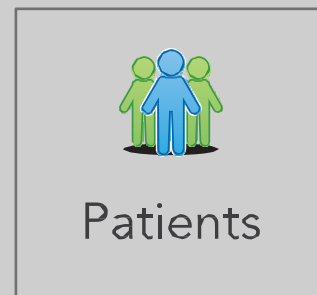
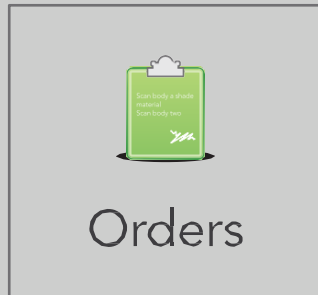


**To submit the case, simply tap on the envelope.**

**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
			<span>View Rx</span> <span>Viewer</span> <span>Invisalign Outcome Simulator</span>	
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/monochrome toggle (Color/monochrome), and an occlusogram icon (Occlusogram). A yellow arrow points from the text 'Preset views of the model.' to the toolbar. On the left, a yellow arrow points from the text 'Hide / Display Maxilla or Mandible' to the occlusal view icon. 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

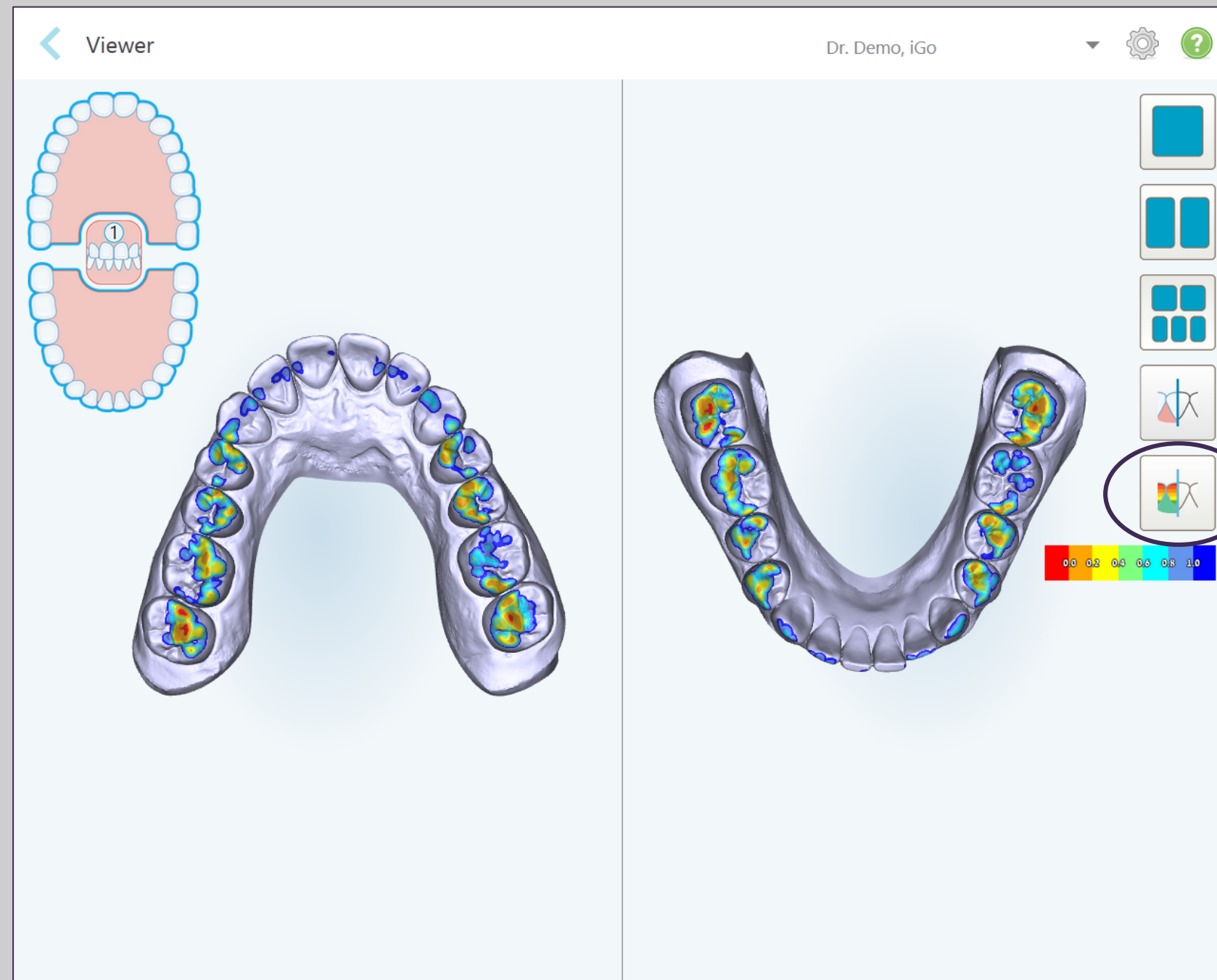
Occlusal View

Gallery View

Color/monochrome

Occlusogram

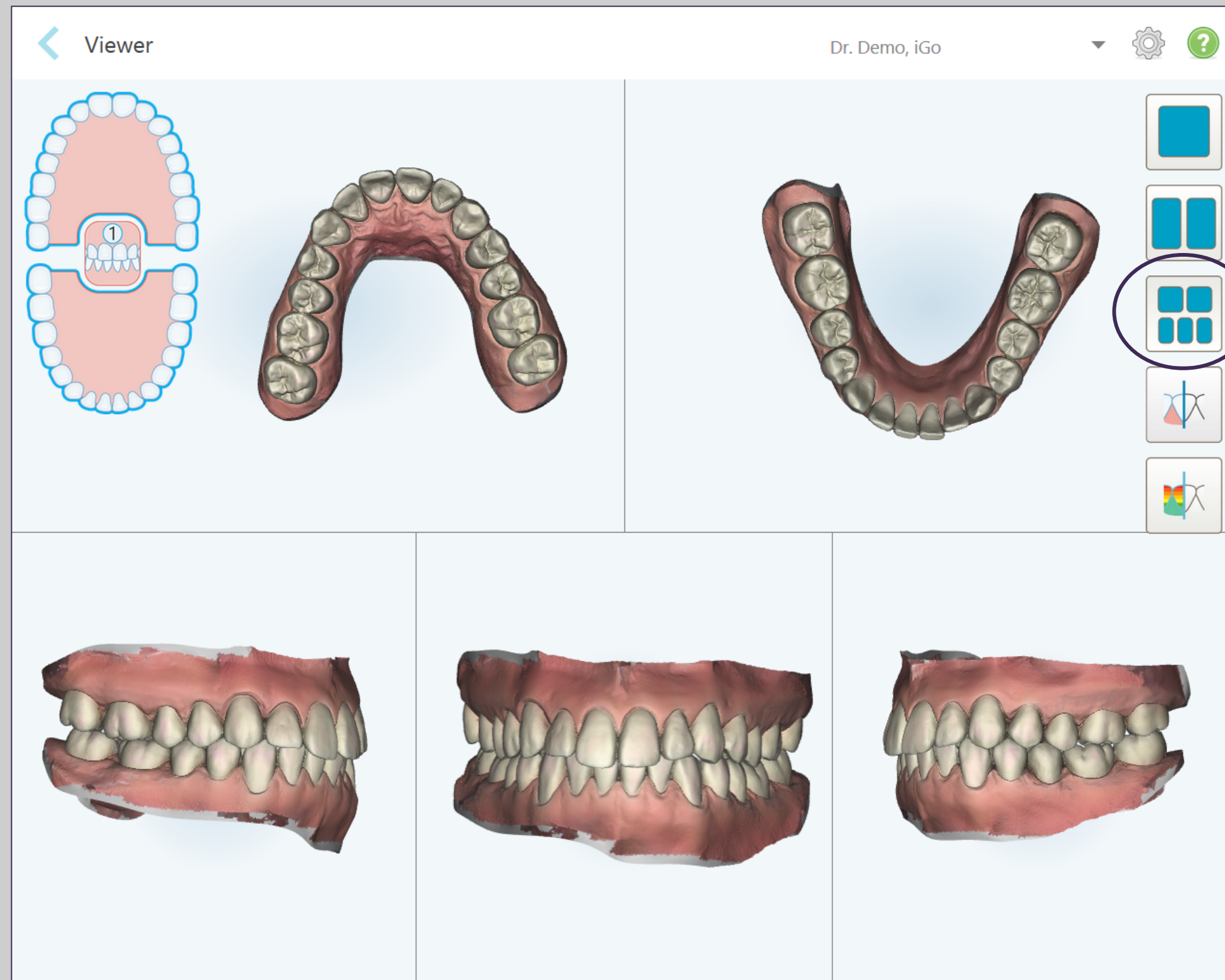
# Viewer / Occlusogram



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.**

# 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.



← Margin Line

← Ditch Cut-Out

← Color / Monochrome

← Clearance

## Chairside Milling – Certified Connectivity

New Scan
Dr. Align, Test

Doctor: Dr. Align, Test      License: \* work

First Name: \* Test

Last Name: \* Test

Chart #:

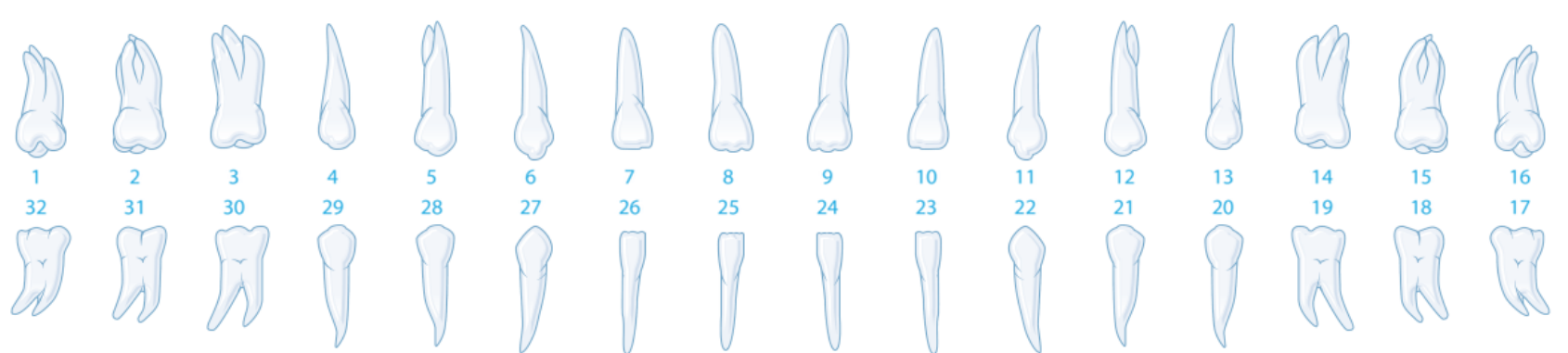
Case Type: \* Chair Side Milling

Due Date: \* 2016-10-25

Ship To:

Patient already exists - additional scans will be added to existing patient's records.

Pre-Treatment Scan



Certified connectivity with:

Notes

Add Notes

**E4D Planmeca Chairside Milling System**

**Glidewell IOS Technologies Fast Design System**

- **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**

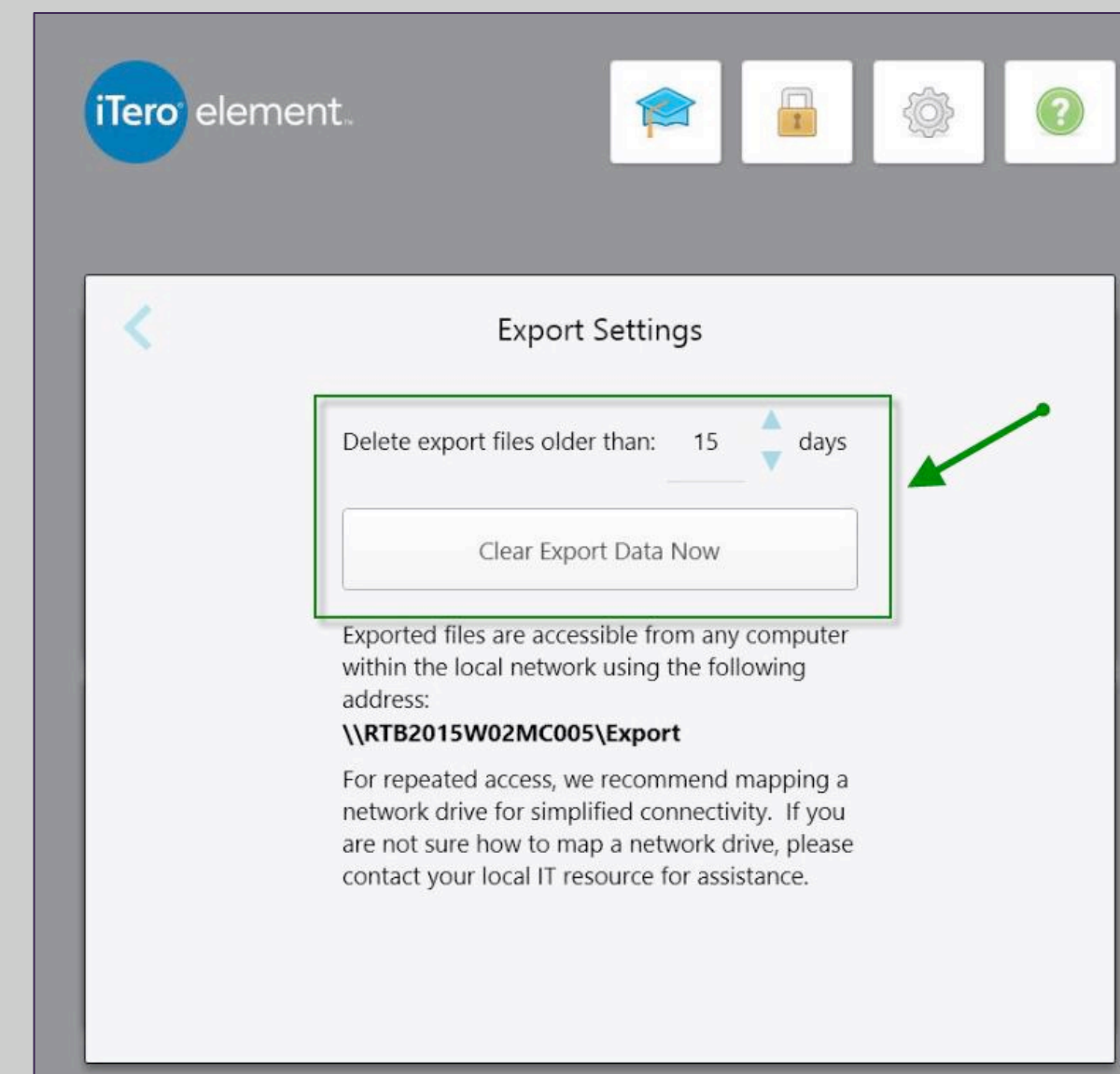
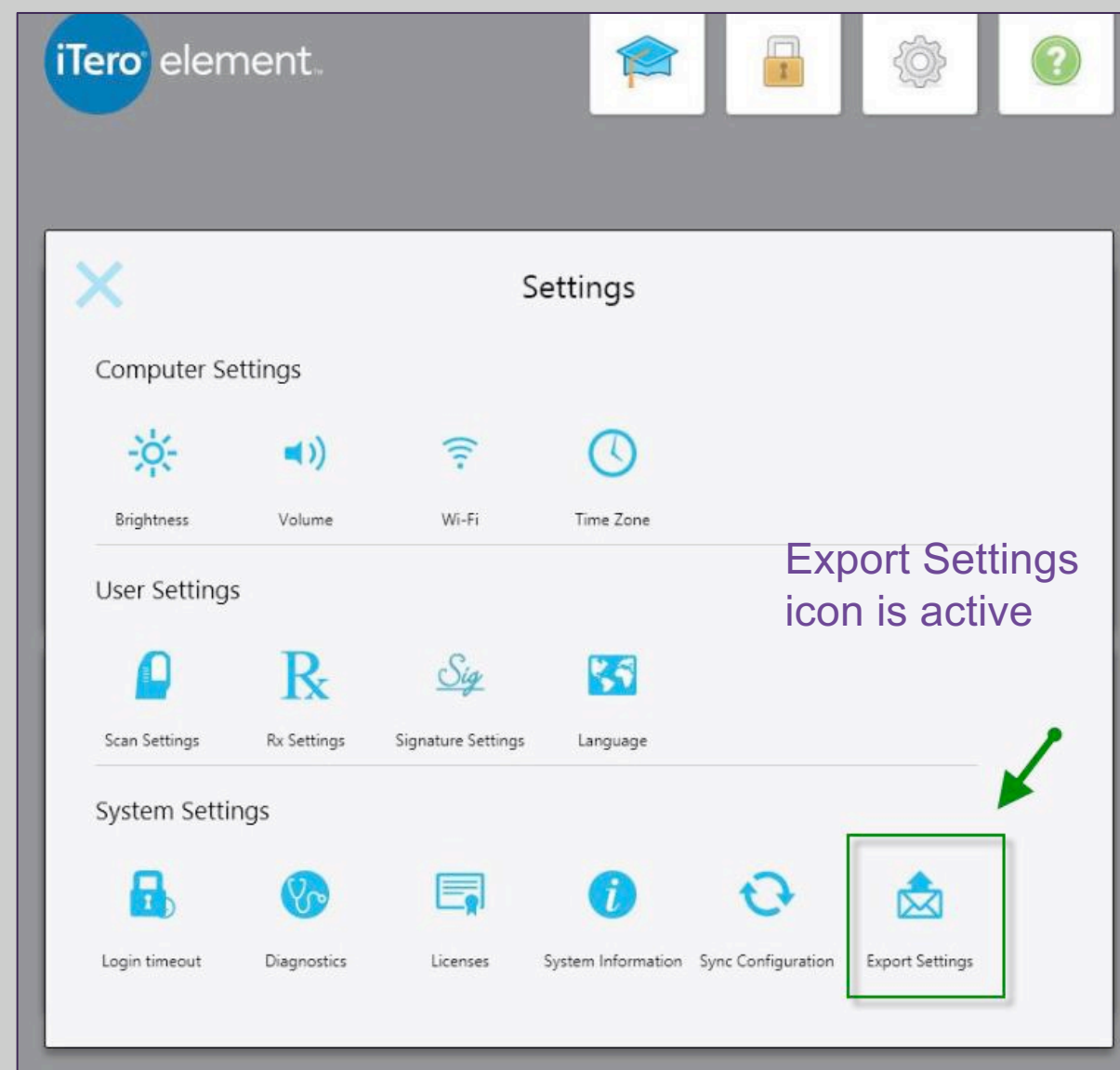
# Chairside Milling – Export Settings

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





# Chairside Milling – Default Folder Path

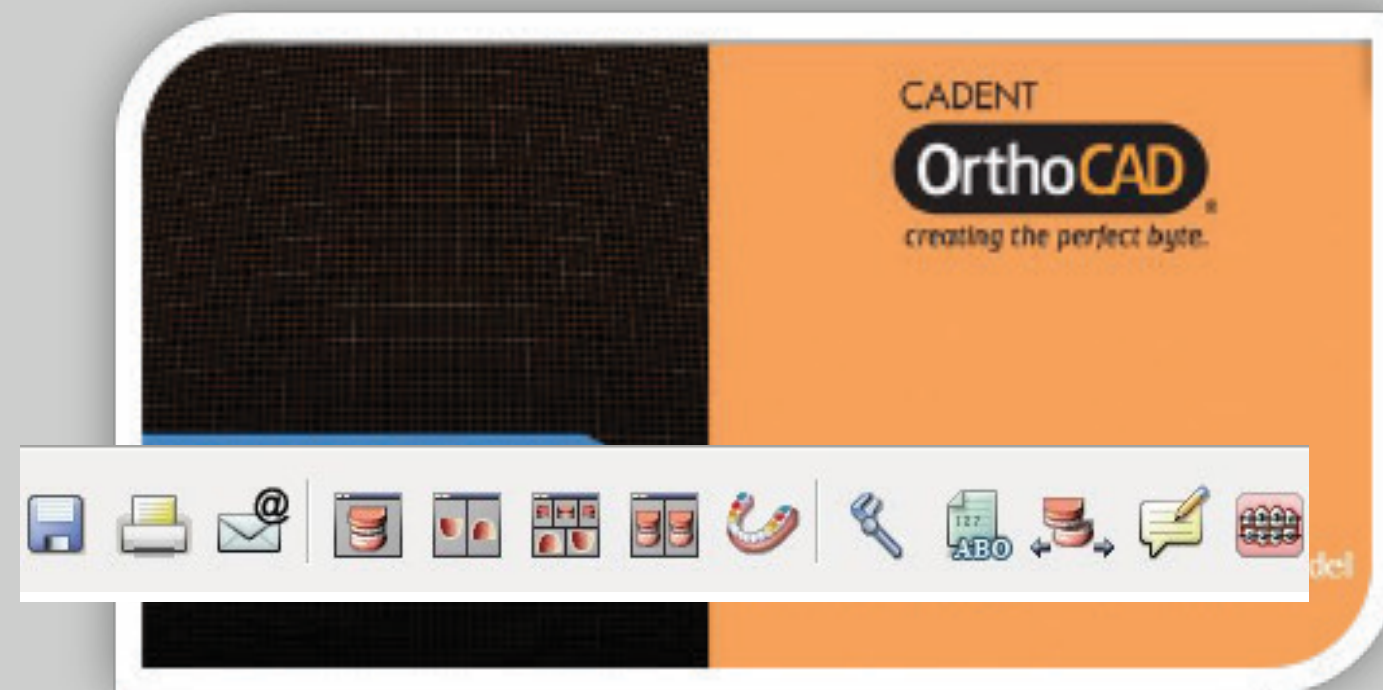
The image shows two screenshots. The left screenshot is the 'Export Settings' page in the iTero element. interface. It features a 'Delete export files older than: 15 days' setting and a 'Clear Export Data Now' button. Below this, it states: 'Exported files are accessible from any computer within the local network using the following address: \\RTB2015W02MC005\Export'. A green box highlights a note: 'For repeated access, we recommend mapping a network drive for simplified connectivity. If you are not sure how to map a network drive, please contact your local IT resource for assistance.' The right screenshot is a Windows File Explorer window titled 'iTero\_Case\_#\_20160215153106'. The address bar shows the path 'Computer > Local Disk (C:) > itero > export > iTero\_Case\_#\_20160215153106'. The file list contains three items: 'itero\_export\_#\_v23' (XML Document, 33 KB), 'lower\_jaw' (Certificate Trust List, 30,746 KB), and 'upper\_jaw' (Certificate Trust List, 24,345 KB). An arrow points from the green box in the left screenshot to the 'export' folder in the right screenshot.

Name	Date modified	Type	Size
itero_export_#_v23	2/15/2016 3:31 PM	XML Document	33 KB
lower_jaw	2/15/2016 3:31 PM	Certificate Trust List	30,746 KB
upper_jaw	2/15/2016 3:31 PM	Certificate Trust List	24,345 KB

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.

# 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:

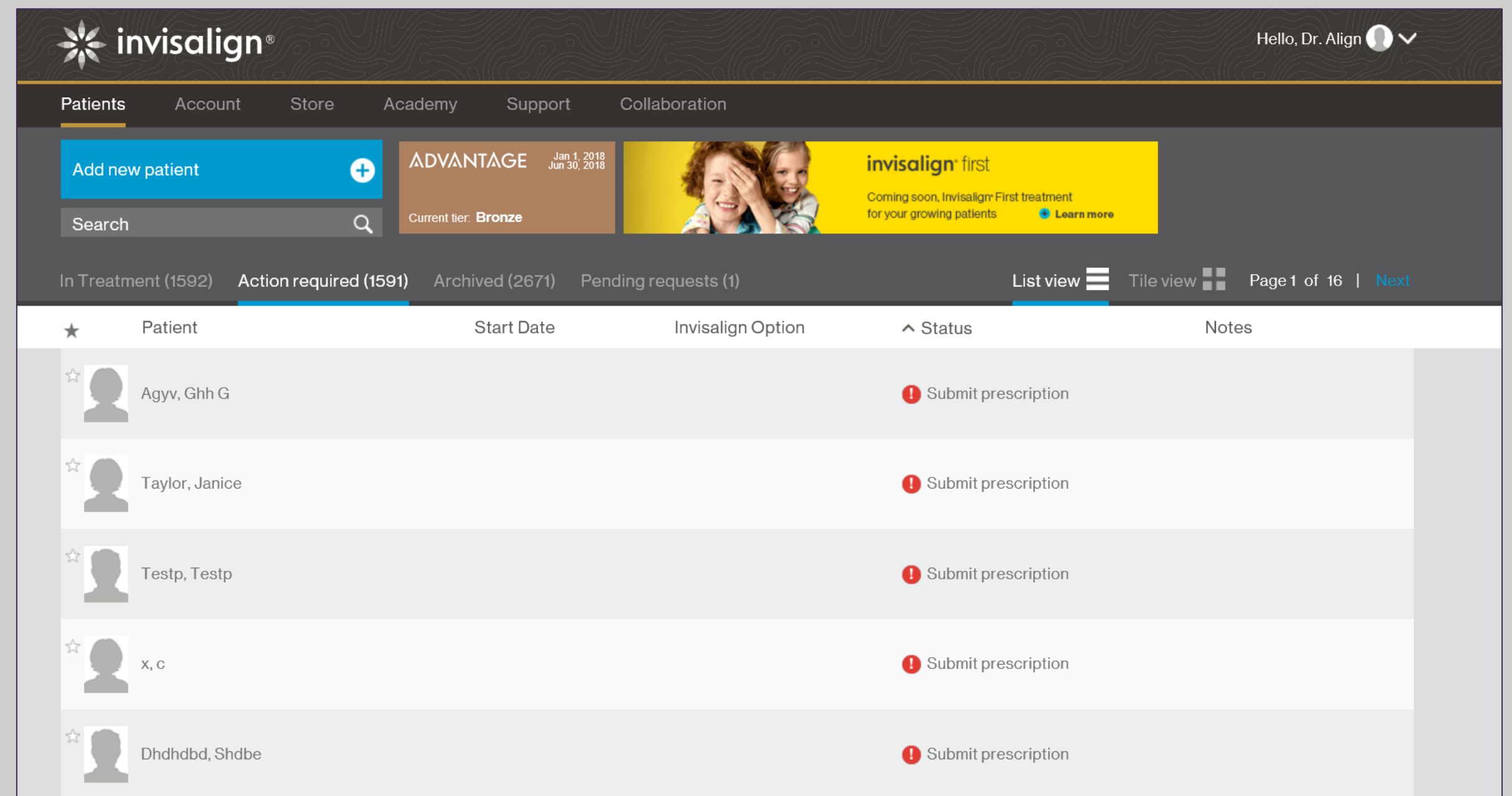
- a) Communicate between dental offices - printing or emailing the 3D models
- b) Perform diagnostic analysis of the 3D orthodontic models
- c) Presenting cases to patients for discussion of the treatment plan

# 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.

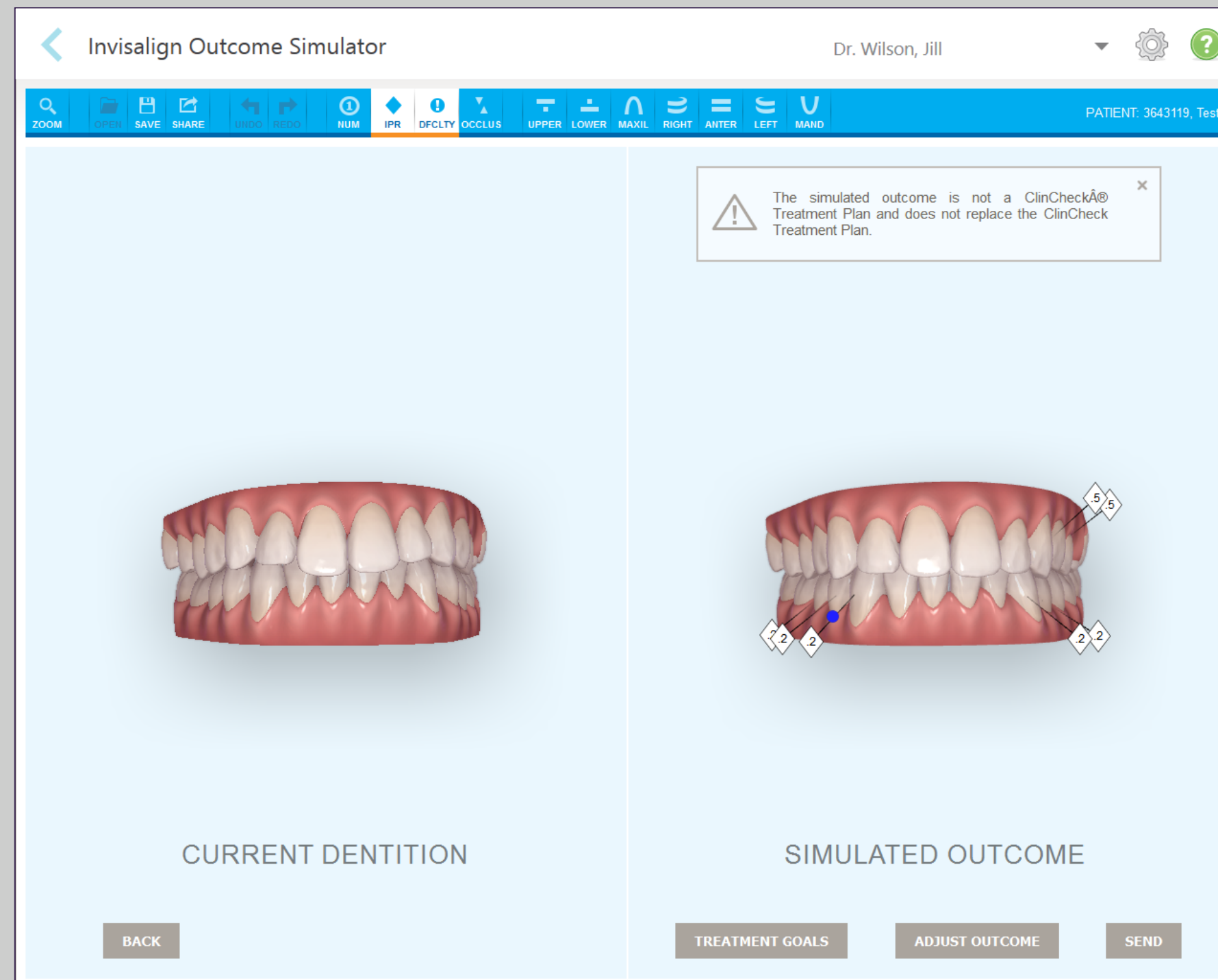
The digital scan may be associated with a prescription in IDS prior to submitting the Invisalign order.



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 'Add new patient' button, a search bar, and a promotional banner for 'invisalign first' with a 'Learn more' link. The main content area shows a table of patients with the following columns: Patient, Start Date, Invisalign Option, Status, and Notes. The table is currently displaying 5 patients, all with a 'Submit prescription' status.

★ 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



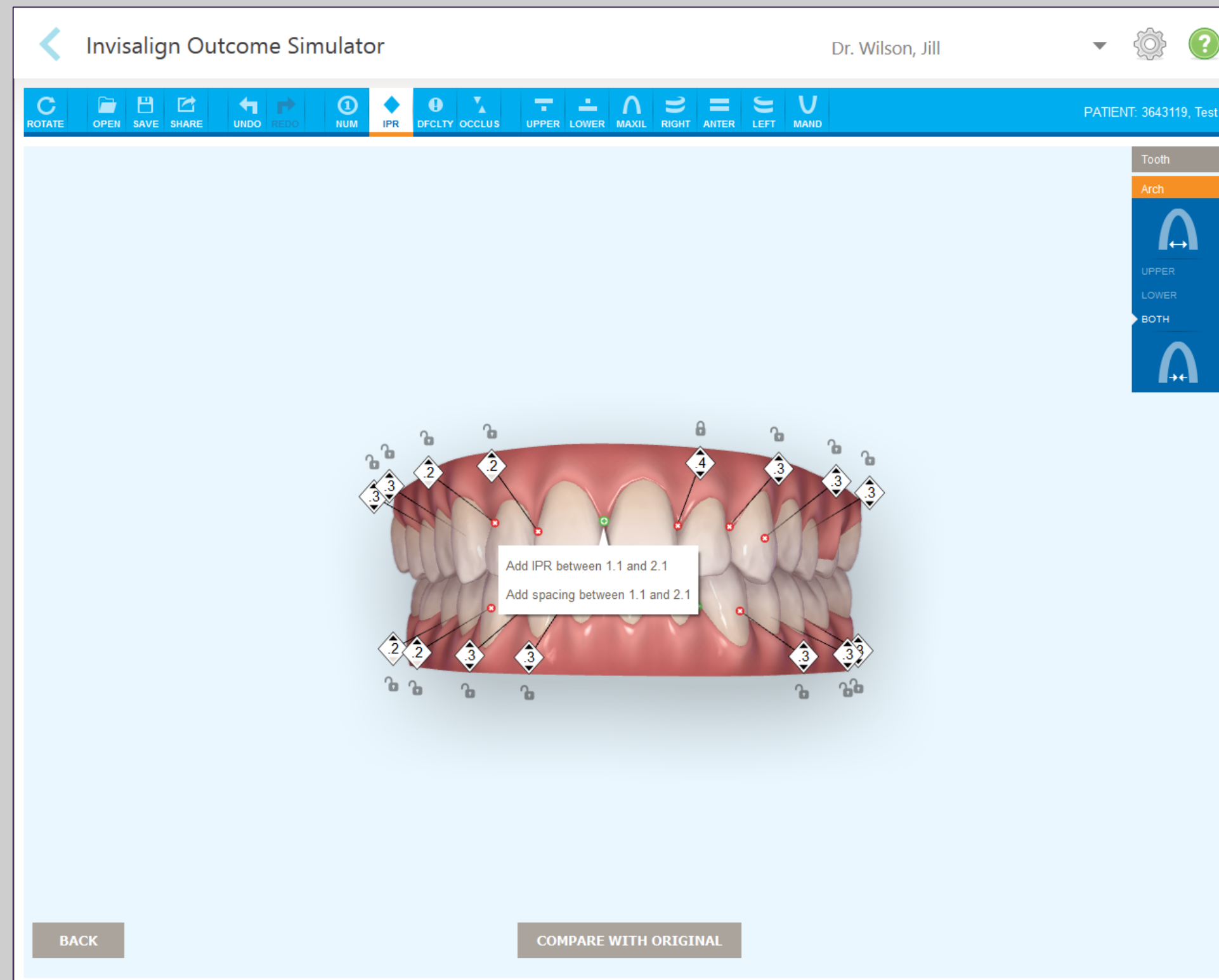
The Invisalign Outcome Simulator is a software tool that shows patients the simulated outcome of their Invisalign treatment.

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

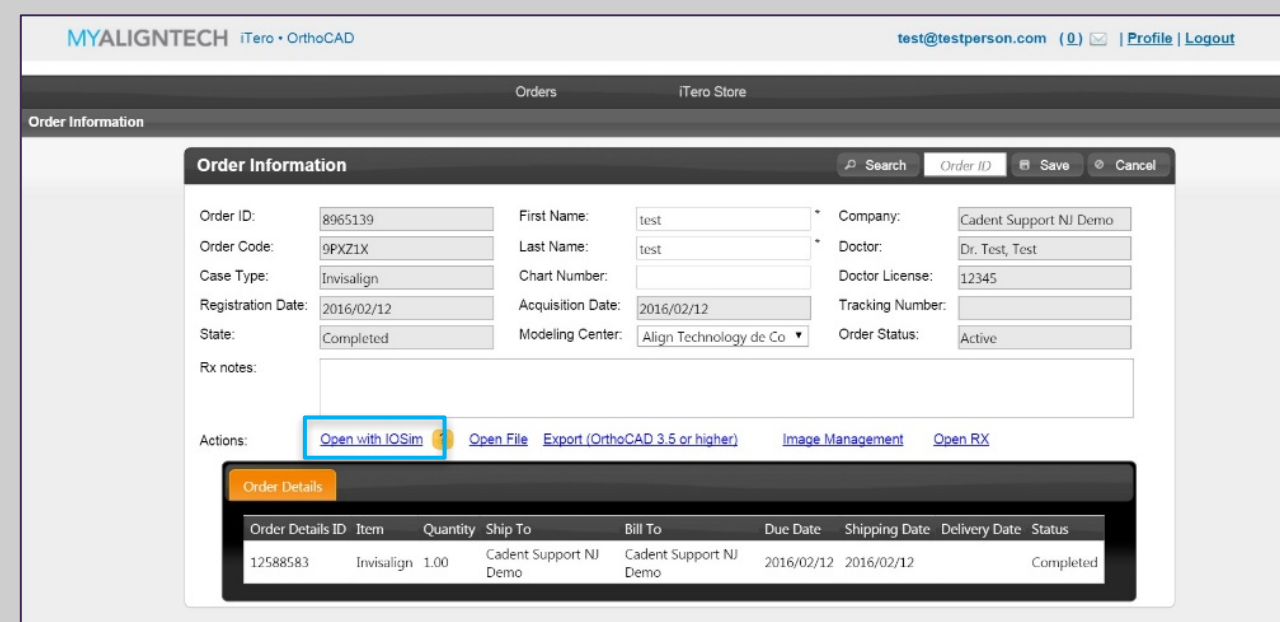
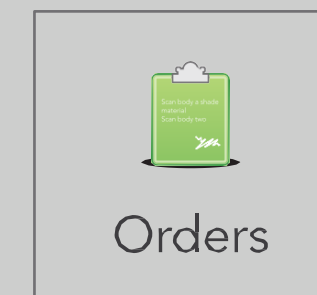
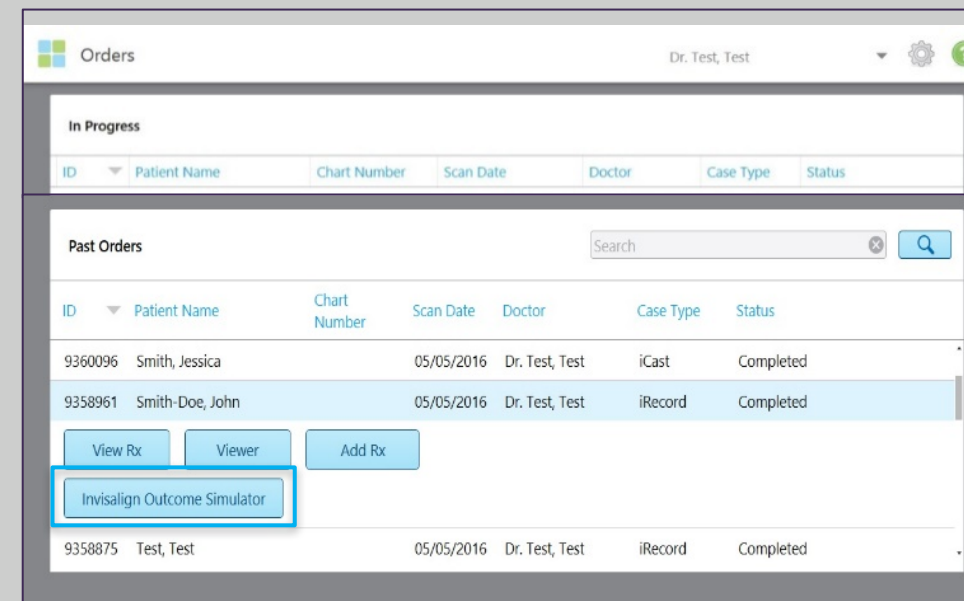
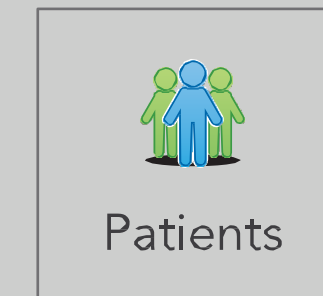
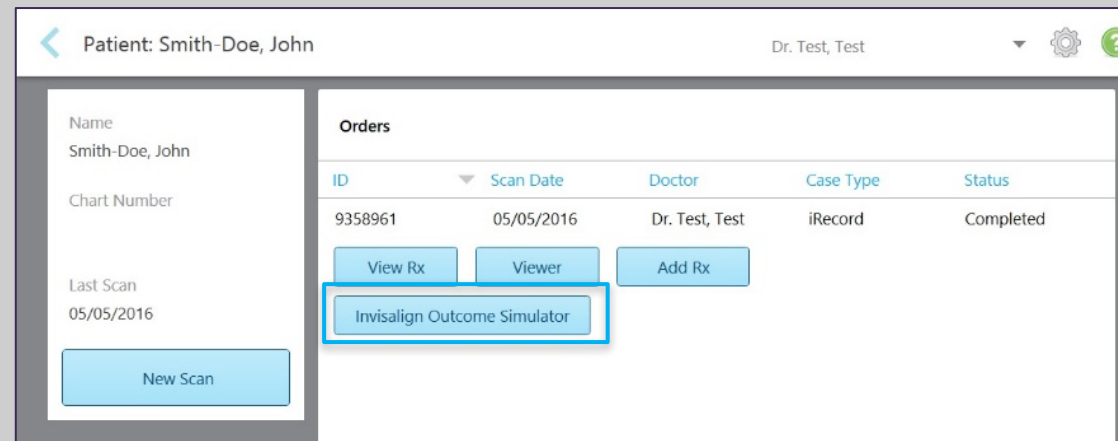
### Share with Patient

### 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 sections: 'In Progress' and 'Past Orders'. The 'Past Orders' section contains a table with columns for ID, Patient Name, Chart Number, Scan Date, Doctor, Case Type, and Status. Below the table, there are buttons for 'Viewer', 'Invisalign Outcome Simulator', and 'Progress Assessment', with the latter being highlighted by a red box.

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

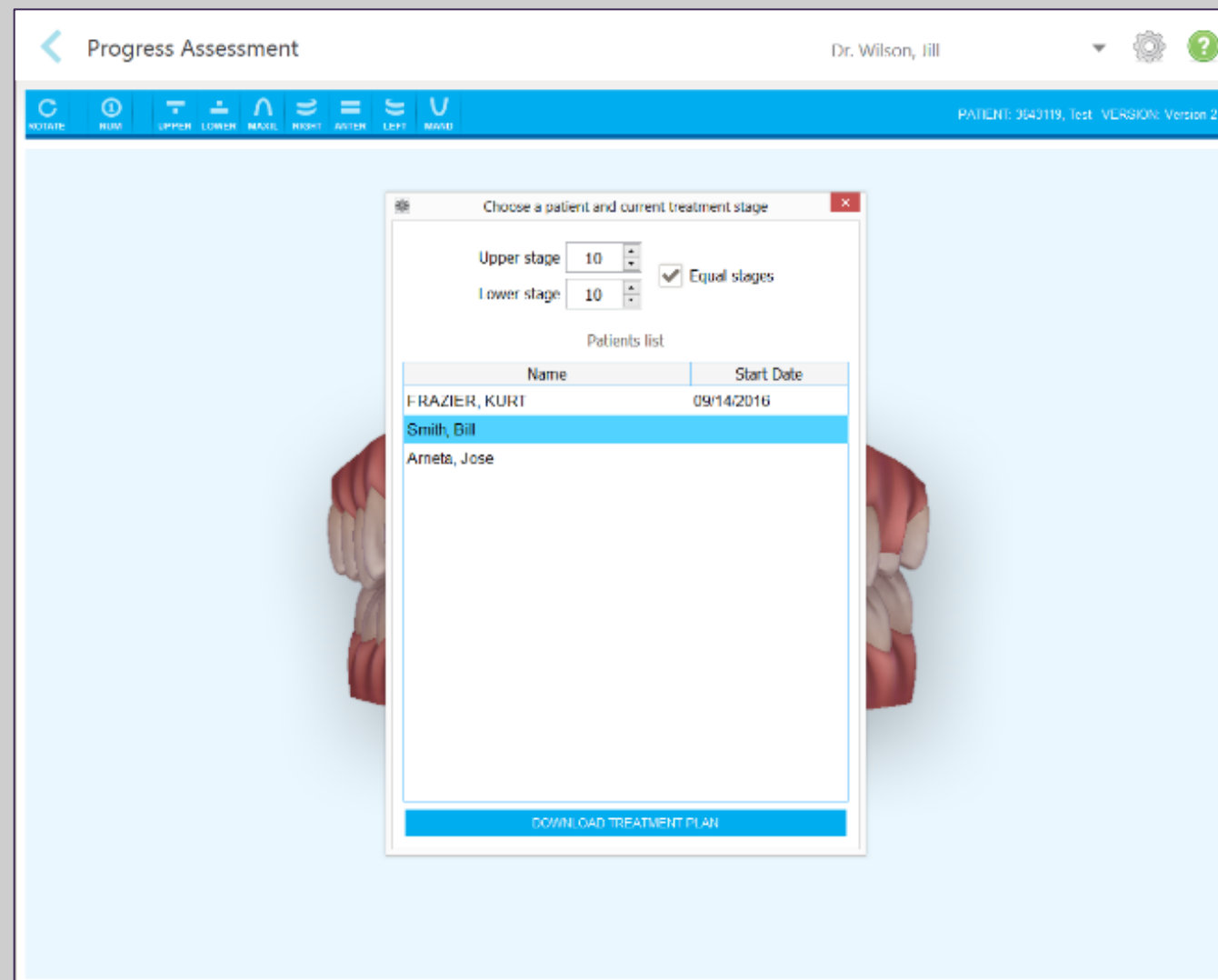
### Correct Axis Lines (optional)

The screenshot shows the 'Progress Assessment' interface with a 3D dental model. A message at the top reads: 'Please check axes and make necessary corrections prior to Progress Assessment'. Below the model, a message says: 'Progress Assessment will start in 7 seconds. Touch screen to adjust axes'. The model has several blue lines representing axes. At the bottom right, there is a 'PROGRESS ASSESSMENT' button.

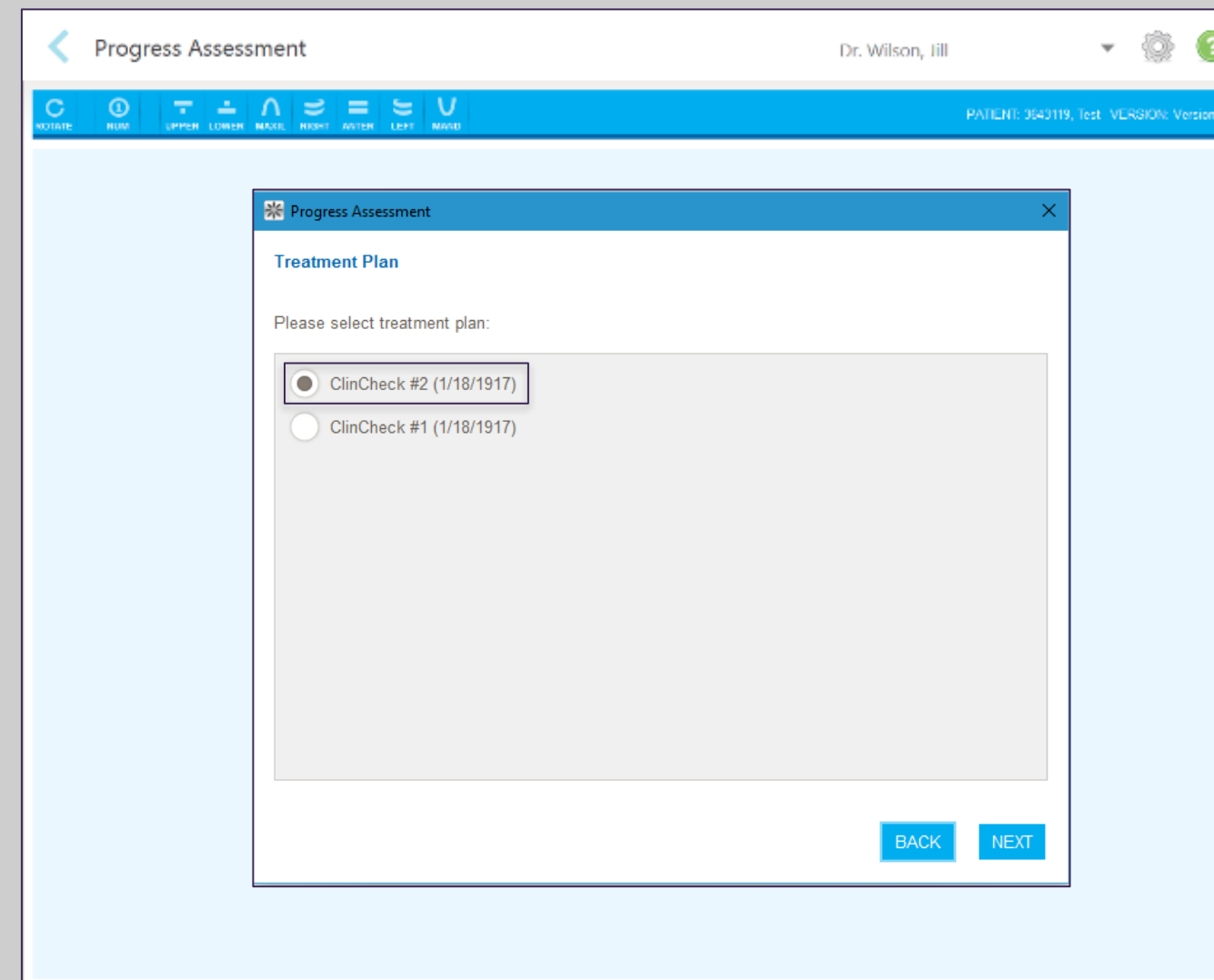


## Progress Assessment

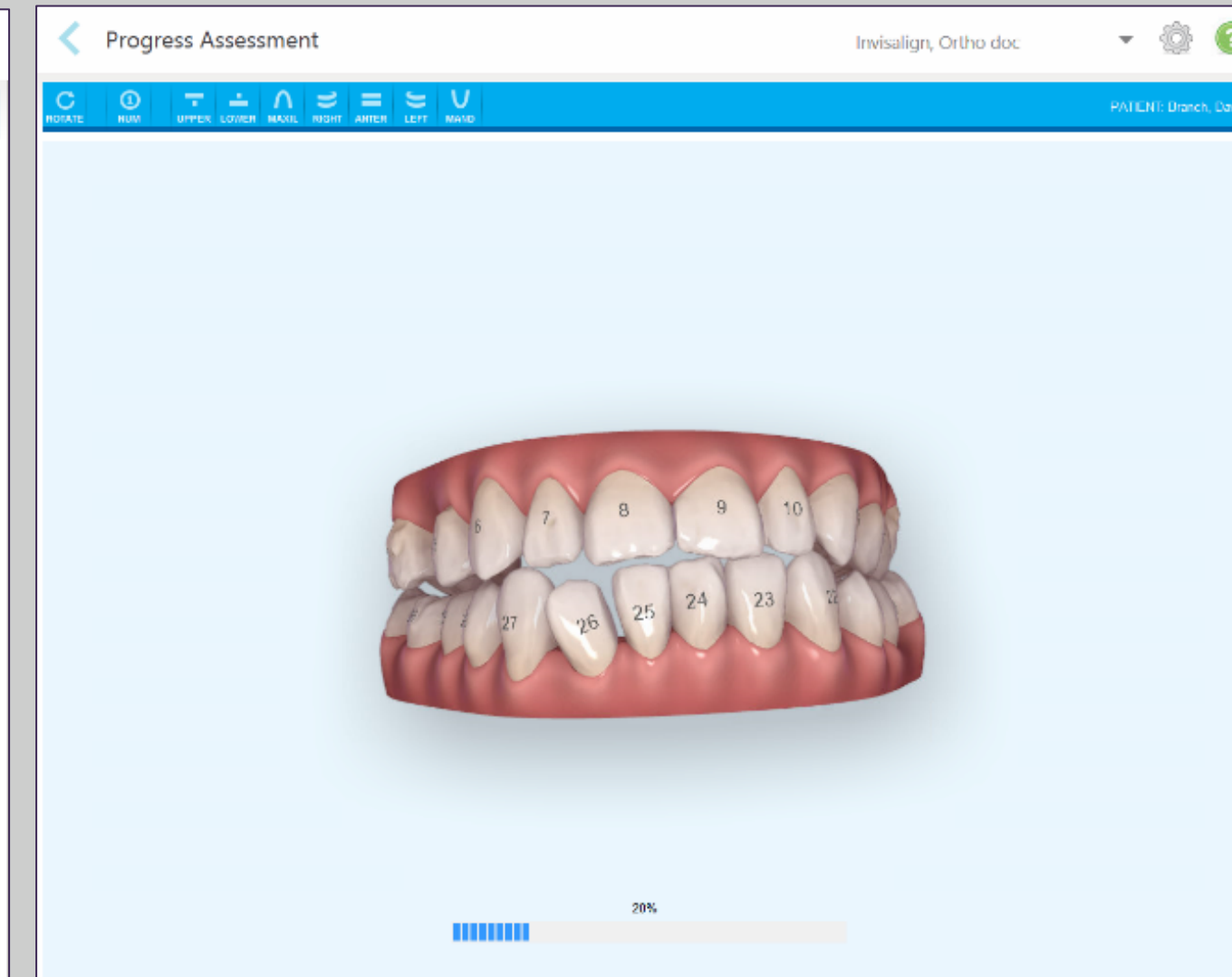
### Access IDS Database



### 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 analysis. 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 teeth and movement types. At the bottom, a 'Report Panel' contains a table with columns for tooth numbers (2-14) and rows for various movement metrics.

**Assessment Tools** (points to the top toolbar)

**Stage Button** (points to the 'CHANGE CURRENT STAGE (28)' button)

**Stage Slider** (points to the slider bar)

**Stage Controls** (points to the 'INITIAL', 'CURRENT', 'FINAL' buttons)

**Legend** (points to the legend section)

**Page Buttons** (points to the 'UPPER', 'LOWER', 'SAGITTAL', 'VERTICAL', 'TRANSVERSE', 'ARCH LENGTH', 'PAR SCORE' buttons)

**Report Panel** (points to the table below)

	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.

## Invisalign Go System



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

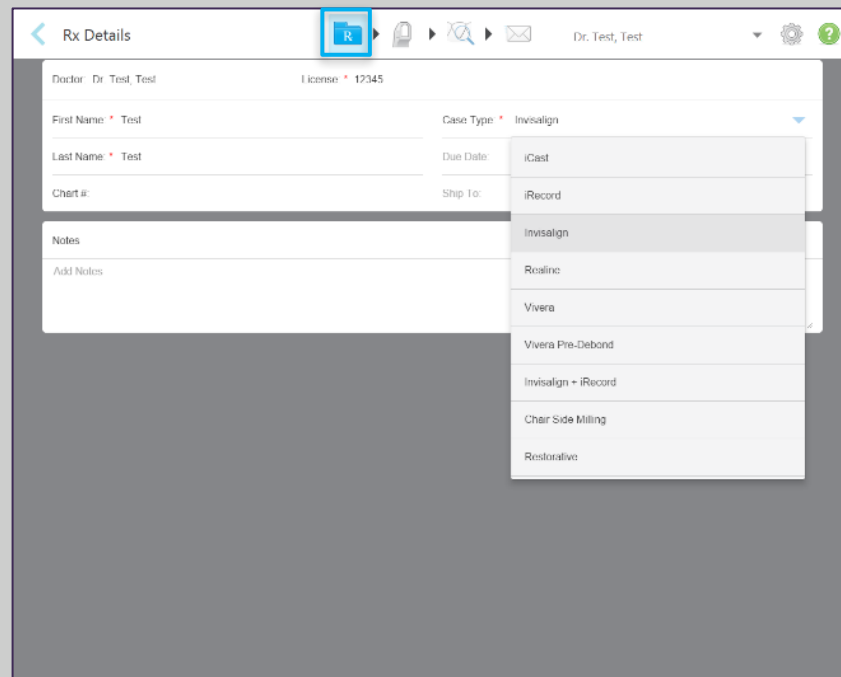
**See treatment through to completion in as little as 14 weeks**

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

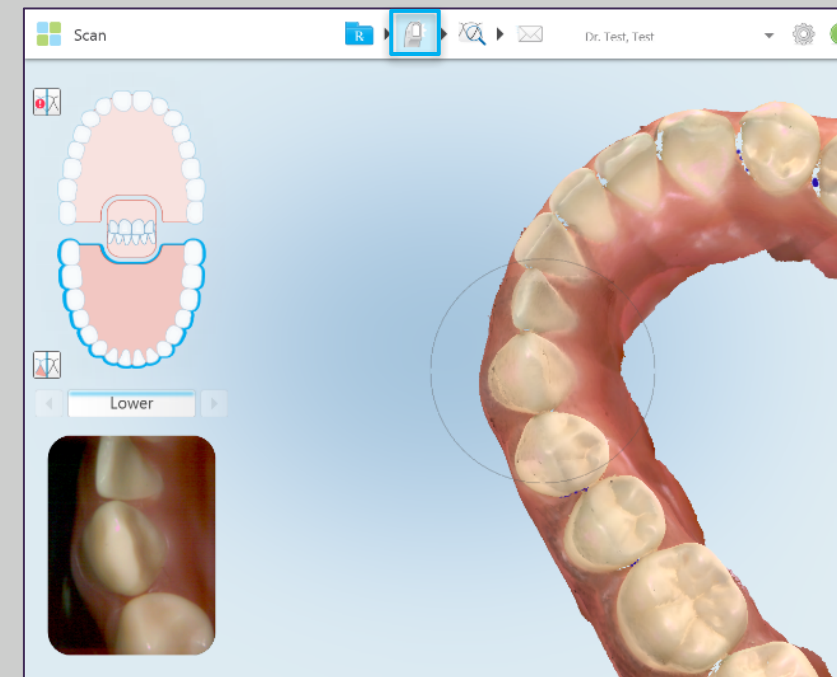
**Receive guidance and support from start to finish through Case Assessment and treatment planning and Progress Assessment**



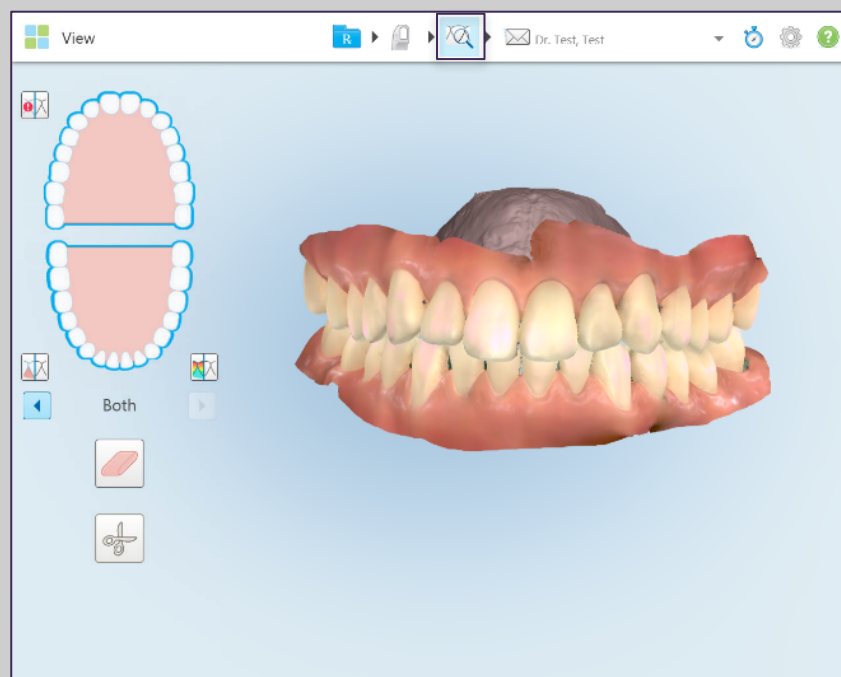
## Invisalign Go System – Case Submission



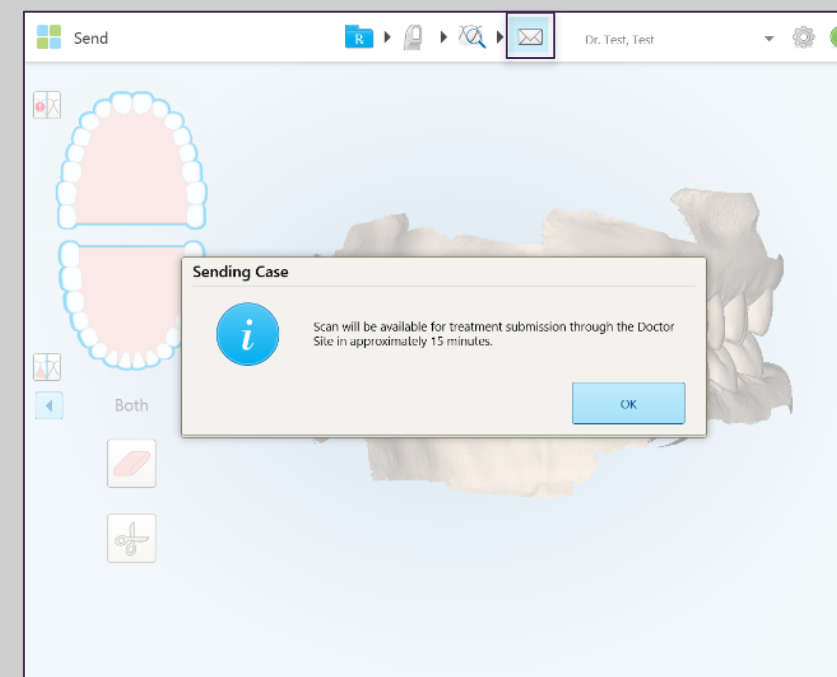
1. Complete the patient Rx.  
Choose Invisalign case type



2. Scan both arches and bilateral bite



3. Confirm capture of the required anatomy in view mode

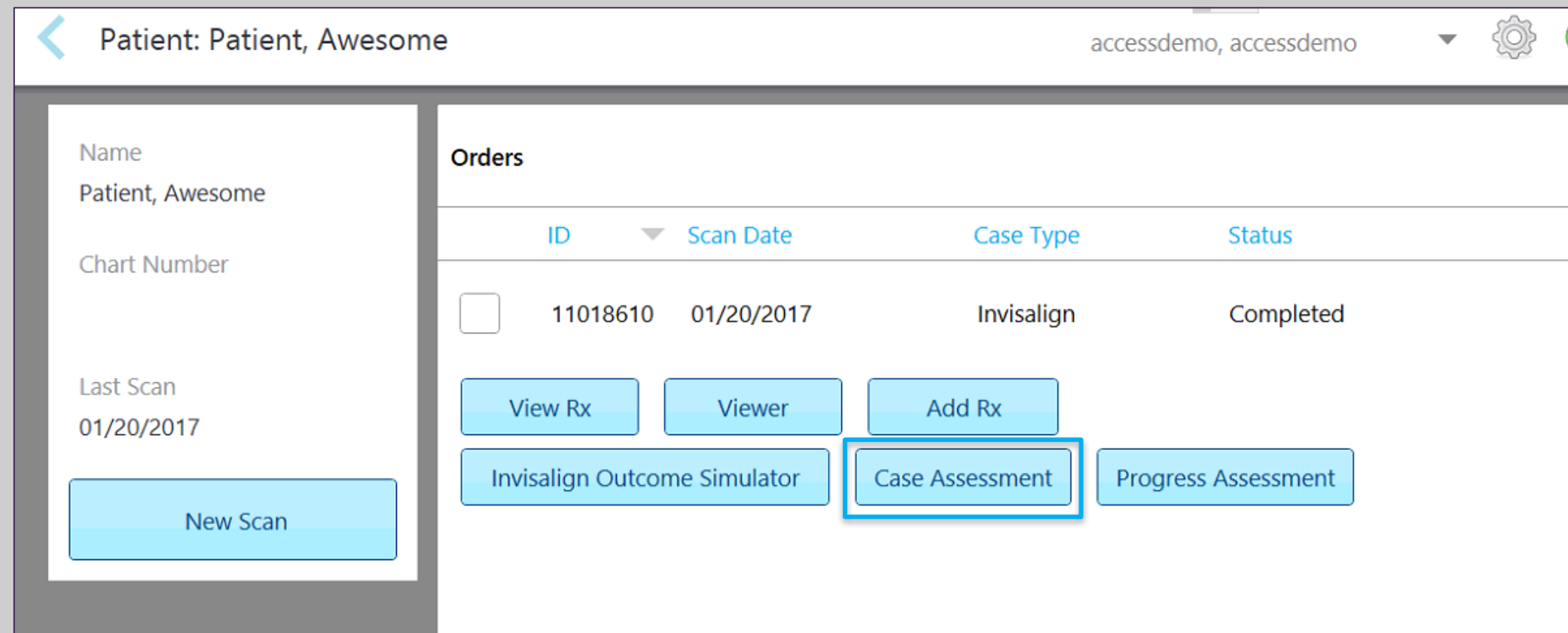


4. Send Invisalign scan

**Steps for Invisalign Go case submission**



# Invisalign Go System – Case Assessment



The screenshot displays the Invisalign Go system interface for a patient named "Patient, Awesome". The interface includes a sidebar with patient details and a main area with an "Orders" table and action buttons.

**Patient Information:**

- Name: Patient, Awesome
- Chart Number: [Blank]
- Last Scan: 01/20/2017
- Buttons: New Scan

**Orders Table:**

ID	Scan Date	Case Type	Status
<input type="checkbox"/> 11018610	01/20/2017	Invisalign	Completed

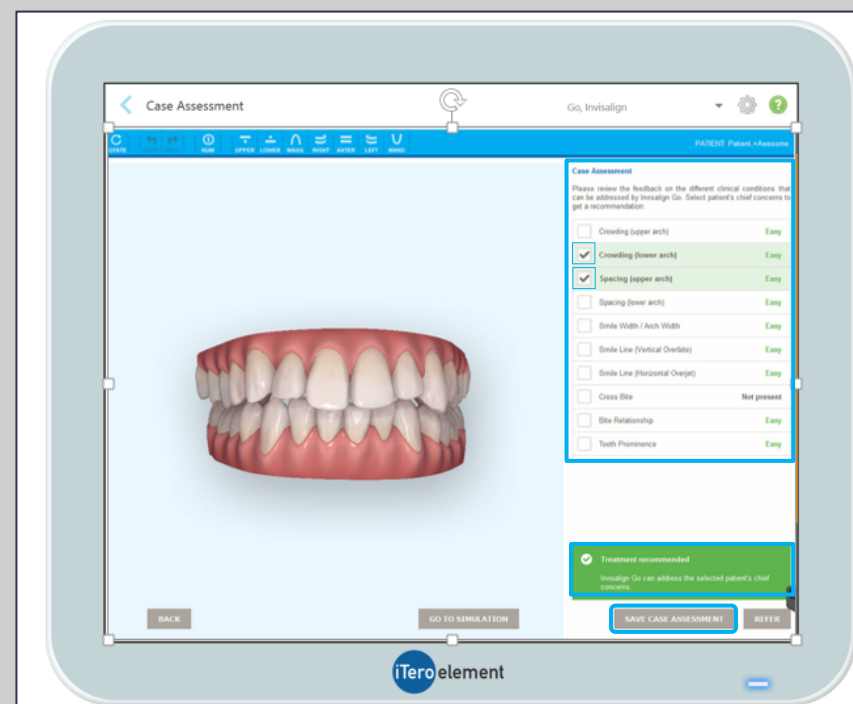
**Action Buttons:**

- View Rx
- Viewer
- Add Rx
- Invisalign Outcome Simulator
- Case Assessment** (highlighted)
- Progress Assessment

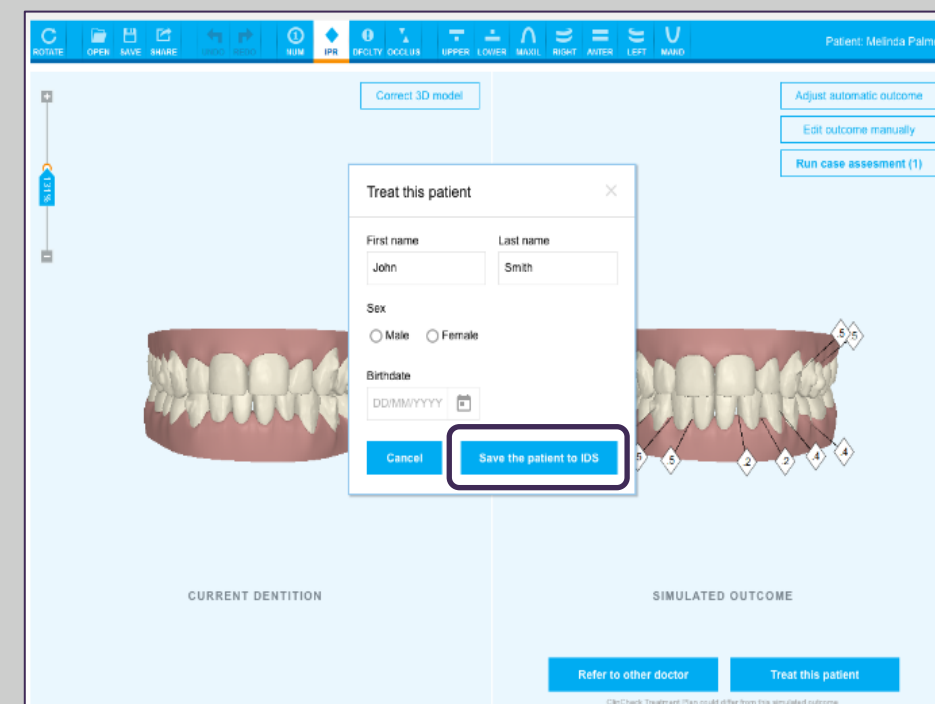
The Invisalign Go case assessment feature delivers a detailed analysis, based on the patient's chief complaint, of whether the case is appropriate for Invisalign Go therapy. If the analysis determines that the chief complaint cannot be treated with the Invisalign Go product the case assessment report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

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

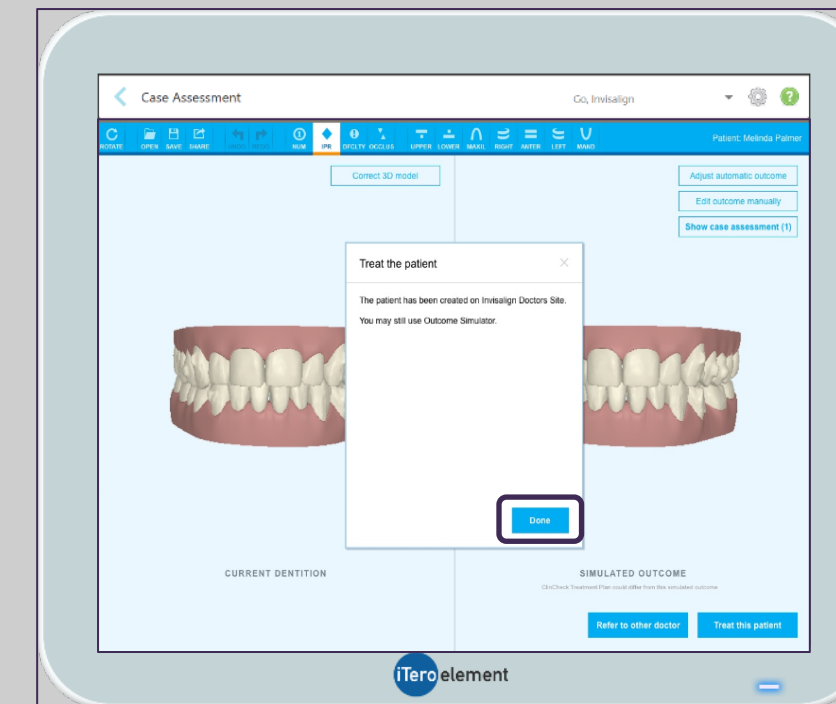
## Invisalign Go System – Case Assessment / Treat



**Case assessment report.  
Case is easy, proceed with  
treatment**



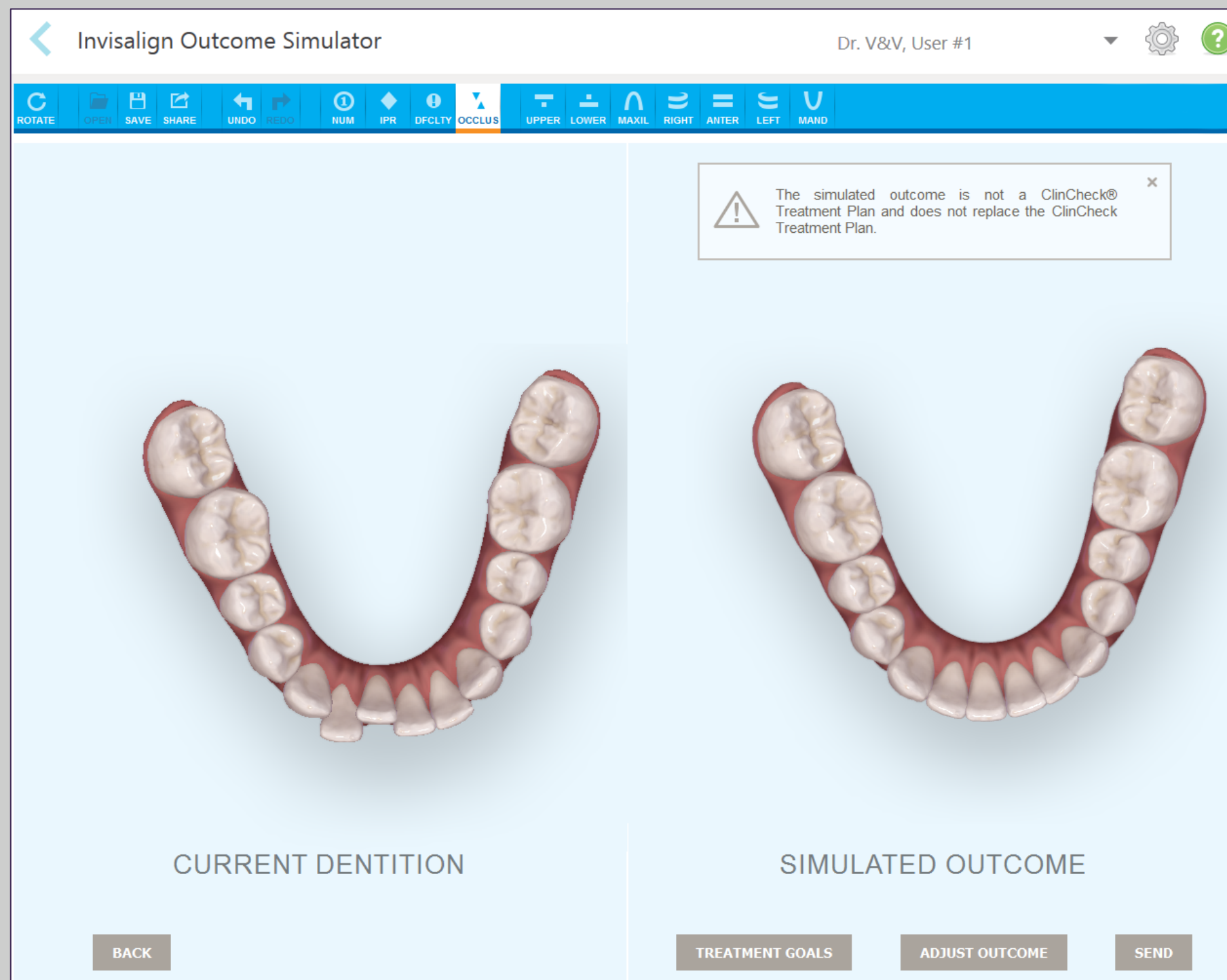
**Complete the patient  
information**



**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.**

# 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.

# Invisalign Go System – Case Assessment / Referral

ROTATE | NUM | UPPER LOWER MAXIL RIGHT ANTER LEFT MAID | PATIENT: Serious, +Martin

**Case Assessment**

Please review the feedback on the different clinical conditions that can be addressed by Invisalign Go. Select patient's chief concerns to get a recommendation:

<input checked="" type="checkbox"/>	Crowding (upper arch)	Difficult
<input type="checkbox"/>	Crowding (lower arch)	Easy
<input type="checkbox"/>	Spacing (upper arch)	Not present
<input type="checkbox"/>	Spacing (lower arch)	Not present
<input type="checkbox"/>	Smile Width / Arch Width	Easy
<input type="checkbox"/>	Smile Line (Vertical Overbite)	Easy
<input type="checkbox"/>	Smile Line (Horizontal Overjet)	Easy
<input type="checkbox"/>	Cross Bite	Not present
<input type="checkbox"/>	Bite Relationship	Difficult
<input type="checkbox"/>	Tooth Prominence	Easy

**!** Invisalign Go Treatment not recommended  
Based on the analysis of patient's chief concerns, this case is too complex to be addressed by Invisalign Go. Referral to an Invisalign Specialist is recommended.

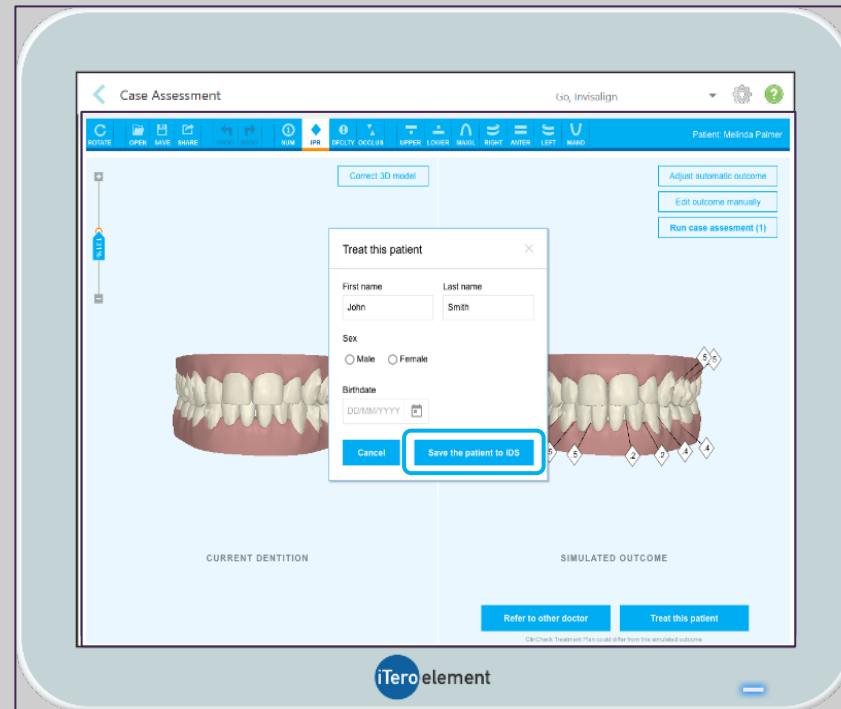
BACK | GO TO SIMULATION | SAVE CASE ASSESSMENT | REFER

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

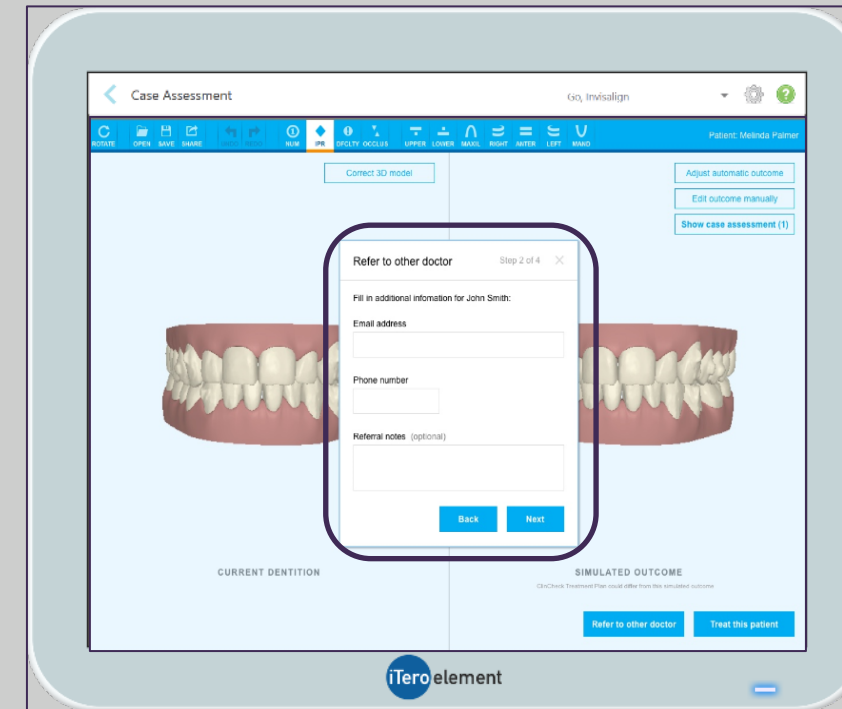
If the patient agrees to consult with a specialist, the dentist can inform the new doctor of this referral by sending it off right from the scanner.



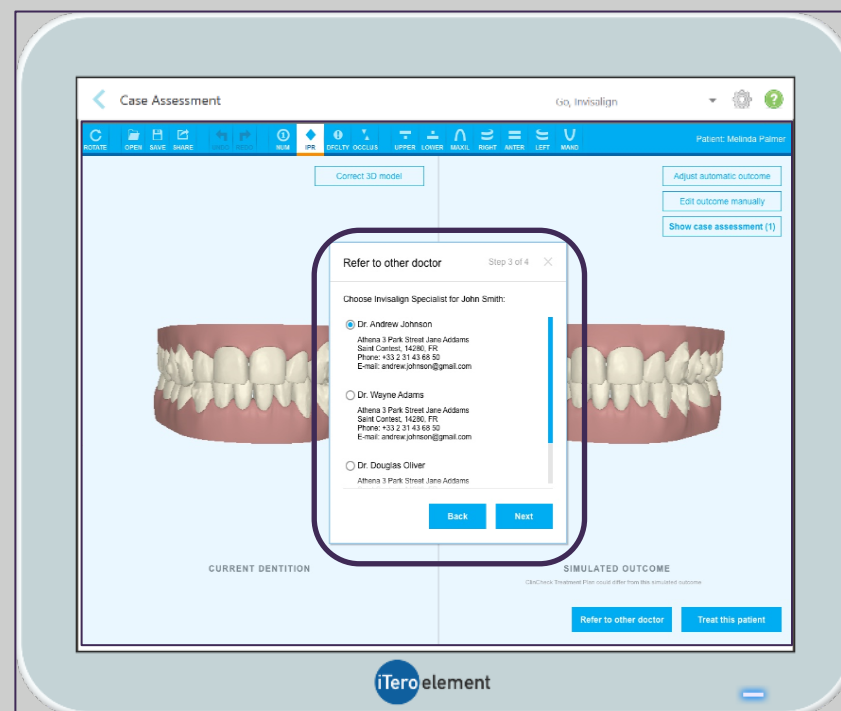
## Invisalign Go System – Case Assessment / Referral



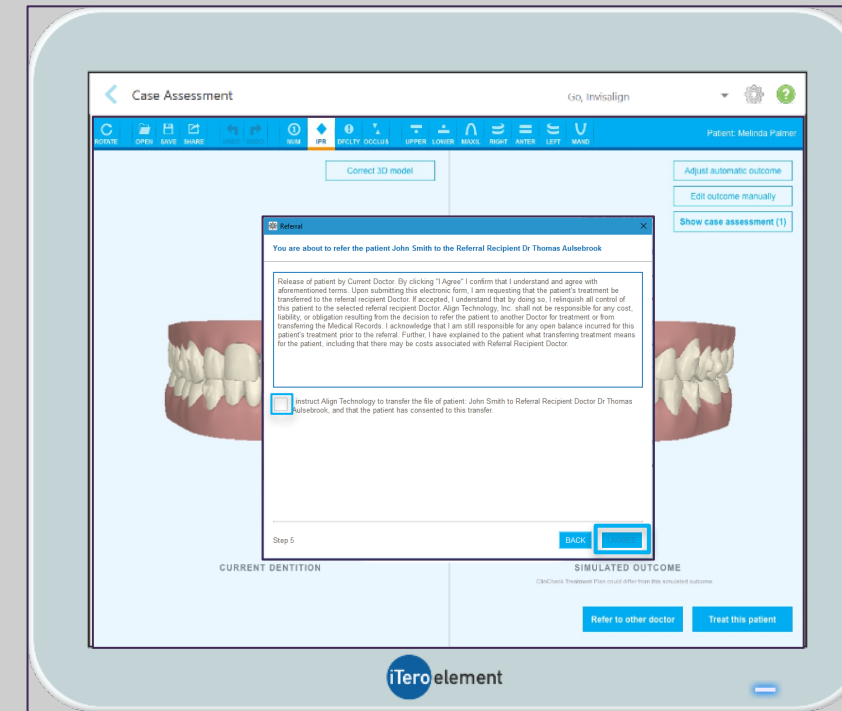
Complete Patient Information



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

# Invisalign Go System – Progress Assessment

Orders Go, Invisalign

**In Progress**

ID	Patient Name	Chart Number	Scan Date	Doctor	Case Type	Status
	Case07, Cp			Go, Invisalign	Restorative	Rx Created
	Gorokhov, Fedor			Go, Invisalign	Invisalign	Rx Created

**Past Orders** Search

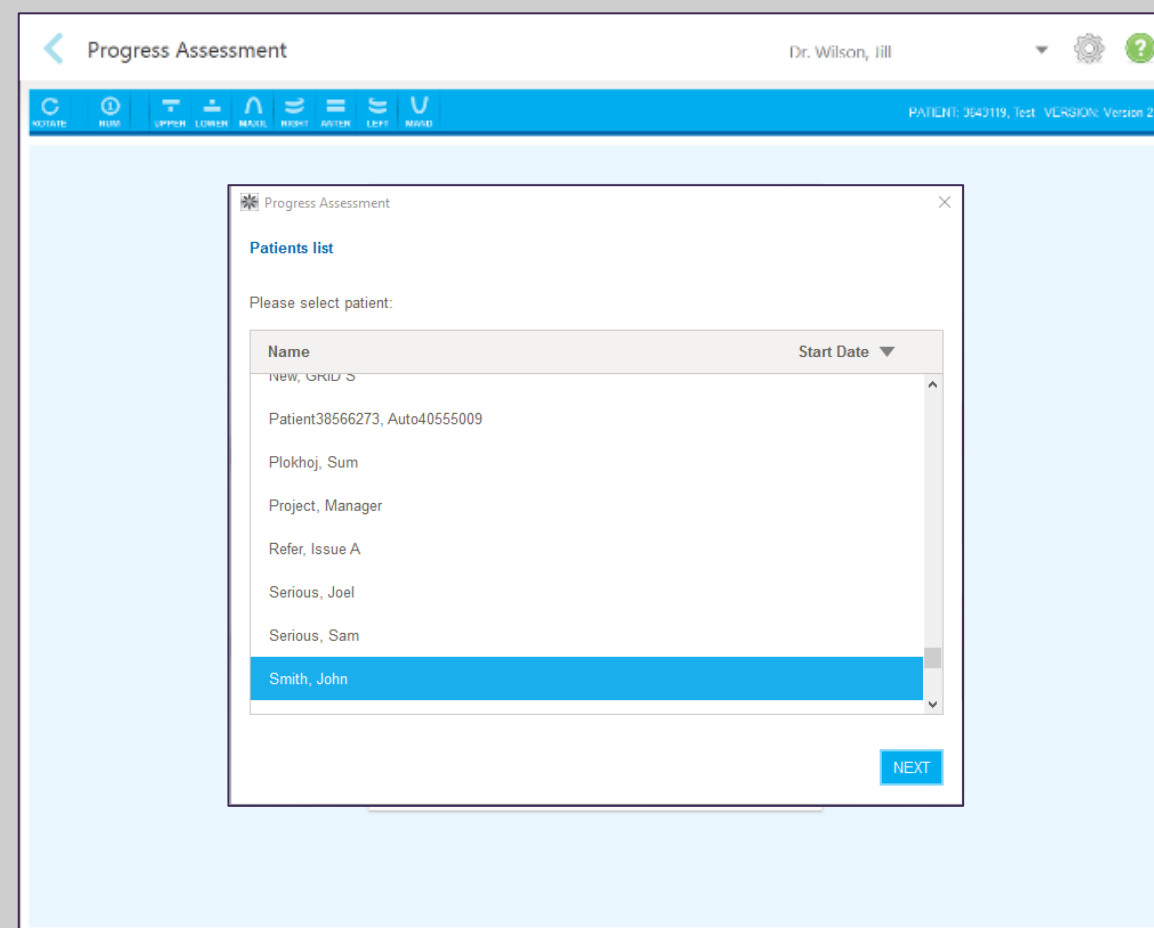
ID	Patient Name	Chart Number	Scan Date	Doctor	Case Type	Status
9009478	InvIR-AXZ0RF, 001	CN001	09/23/2016	Go, Invisalign	Invisalign + ii	Completed
9009477	Stick, Joy	CN001	09/23/2016	Go, Invisalign	Invisalign	Completed
9009476	Invisalign-AVA5RX, 001	CN001	09/23/2016	Go, Invisalign	Invisalign	Exporting to Doctor Site

Viewer Invisalign Outcome Simulator Case Assessment **Progress Assessment**

iTero element

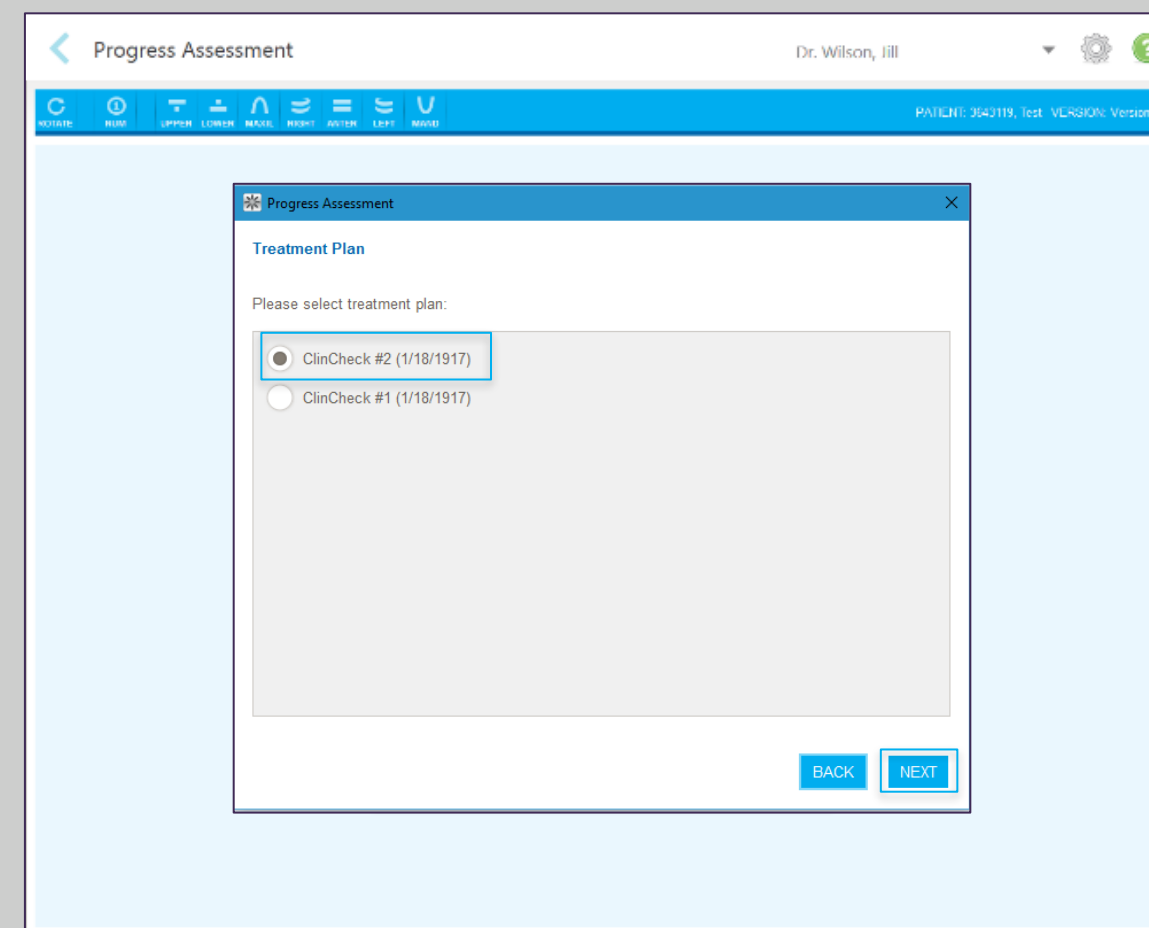
At any time during the treatment, you can take advantage of the progress assessment tool to monitor your patients Invisalign Go treatment by simply taking another scan of the patient. Like the Invisalign Outcome Simulator, the Progress Assessment tool is accessible in the Orders or Patients icon.

# Invisalign Go System – Progress Assessment



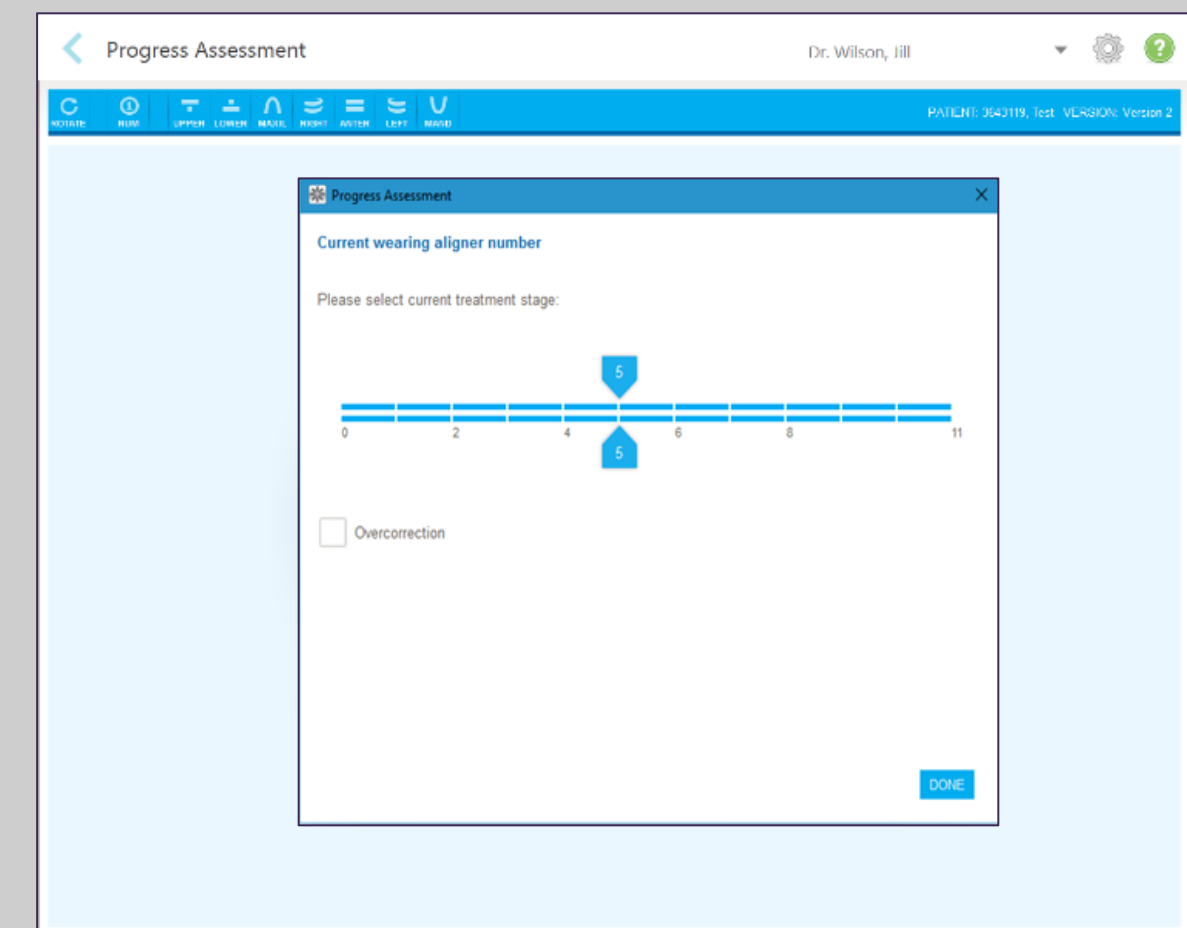
The screenshot shows the 'Progress Assessment' app interface. At the top, it displays 'Dr. Wilson, Jill' and 'PATIENT: 3642119, Test, VERSION: Version 2'. A dropdown menu titled 'Patients list' is open, showing a list of patient names. The name 'Smith, John' is highlighted in blue. A 'NEXT' button is visible at the bottom right of the dropdown.

The patient's name is highlighted in dropdown list



The screenshot shows the 'Progress Assessment' app interface. At the top, it displays 'Dr. Wilson, Jill' and 'PATIENT: 3642119, Test, VERSION: Version 2'. A dropdown menu titled 'Treatment Plan' is open, showing two options: 'ClinCheck #2 (1/18/1917)' and 'ClinCheck #1 (1/18/1917)'. The 'ClinCheck #2 (1/18/1917)' option is selected with a radio button. 'BACK' and 'NEXT' buttons are visible at the bottom right of the dropdown.

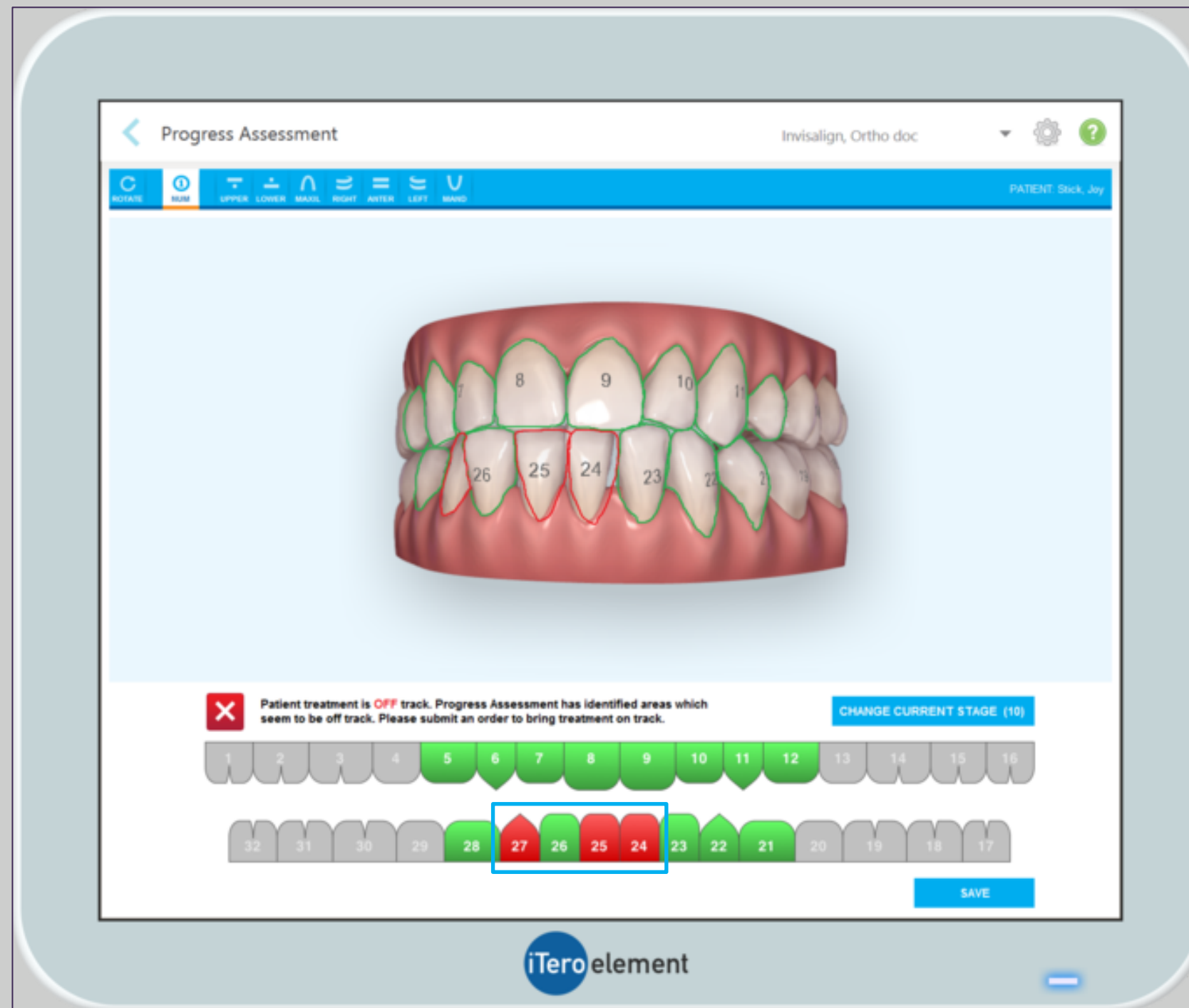
Select the ClinCheck you would use to use for the Progress Assessment



The screenshot shows the 'Progress Assessment' app interface. At the top, it displays 'Dr. Wilson, Jill' and 'PATIENT: 3642119, Test, VERSION: Version 2'. A dropdown menu titled 'Current wearing aligner number' is open, showing a horizontal timeline from 0 to 11. The number 5 is selected on the timeline. An 'Overcorrection' checkbox is visible below the timeline. A 'DONE' button is visible at the bottom right of the dropdown.

Select the current aligner stage

# 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.



# Invisalign Go System – Progress Assessment

ROTATE NUM UPPER LOWER MAXIL RIGHT ANTER LEFT MAND

233%

Save Progress Assessment

Progress Assessment results saved to the patient's history on the Invisalign Doctor Site.

DONE CANCEL

ON Patient treatment is ON track. Please proceed with treatment as indicated on the treatment plan.

RIGHT LEFT

Movements On Track Movements Off Track Tooth missing in scan

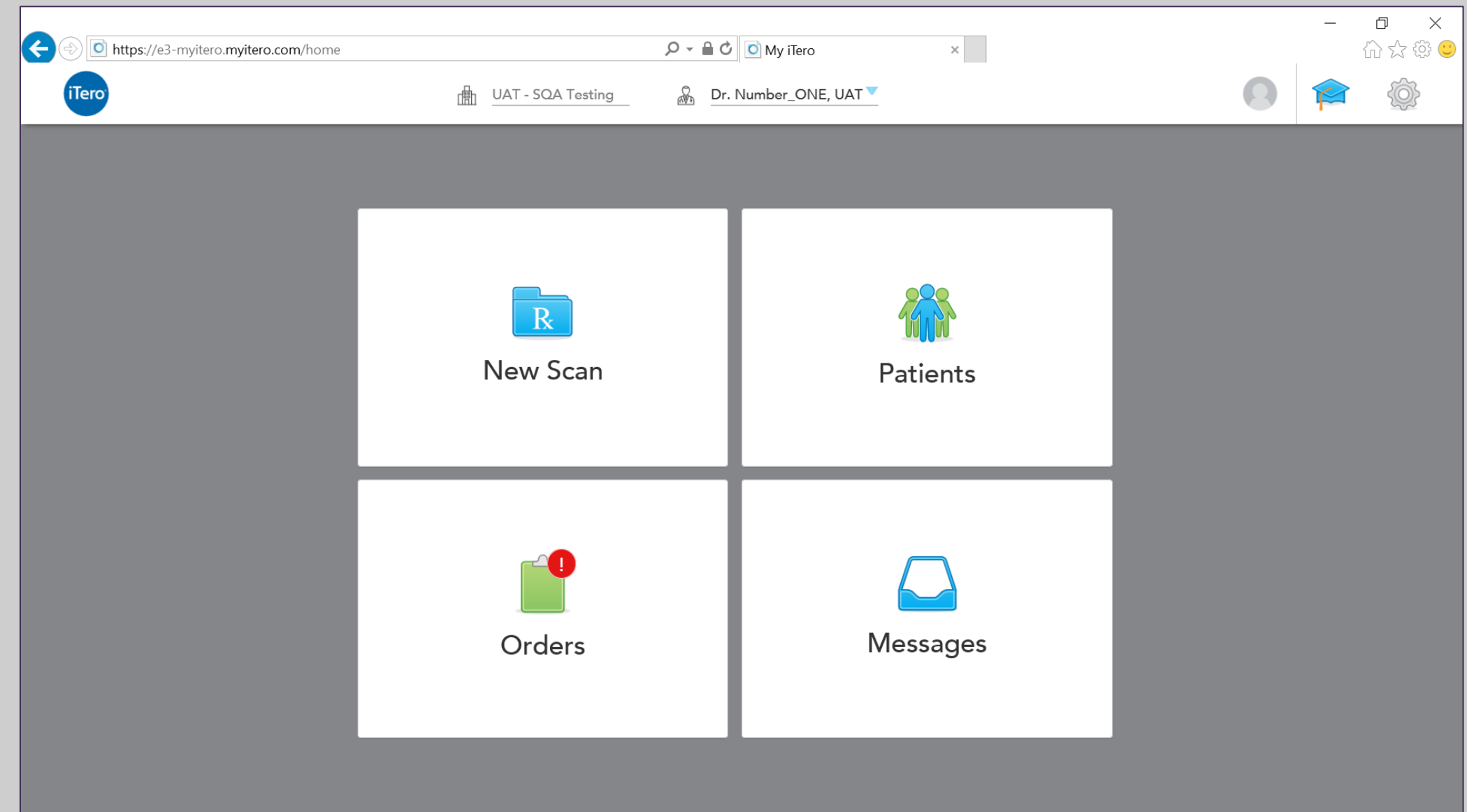
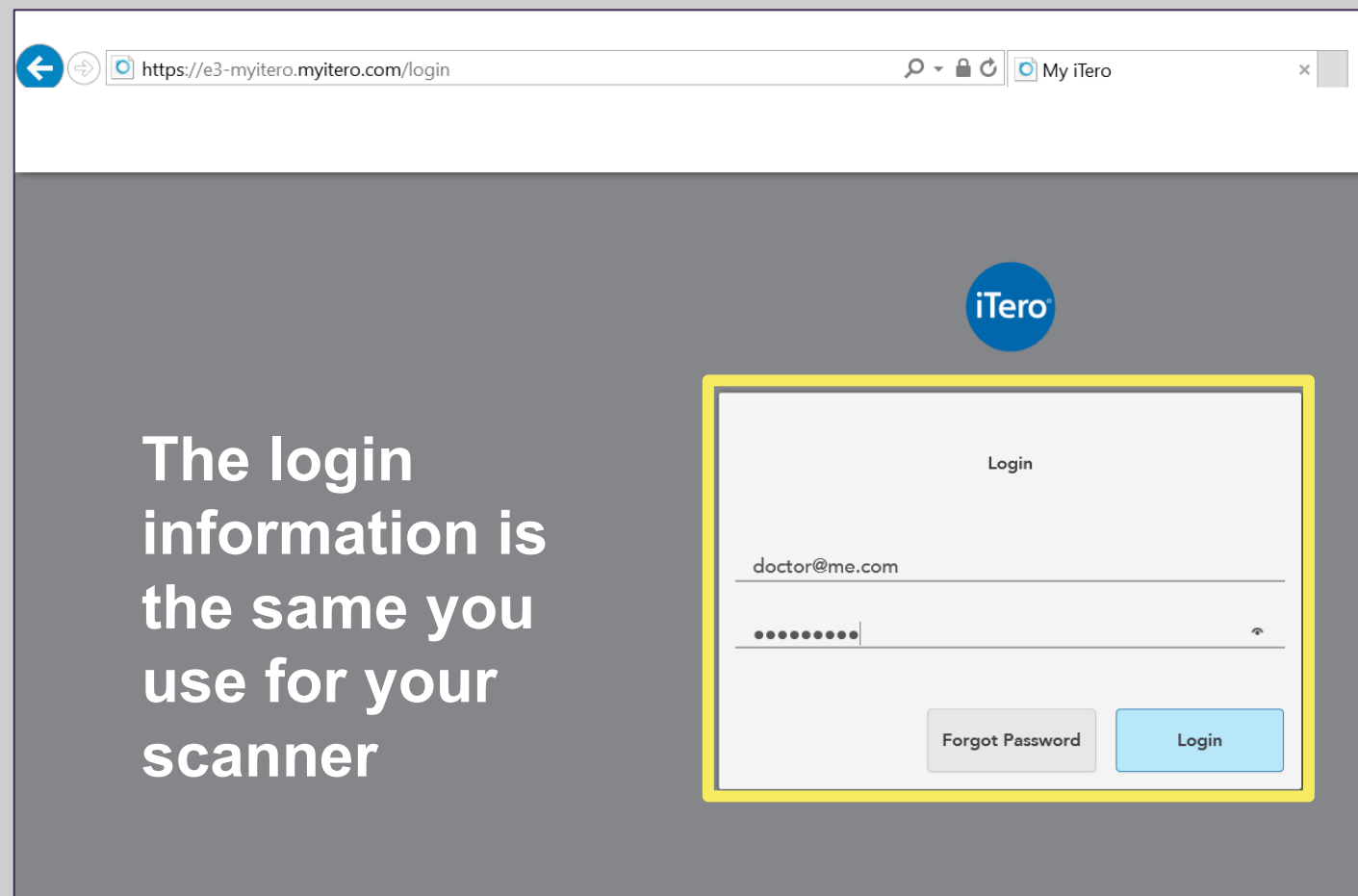
Minor movements not assessed Assessment not available

SAVE

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

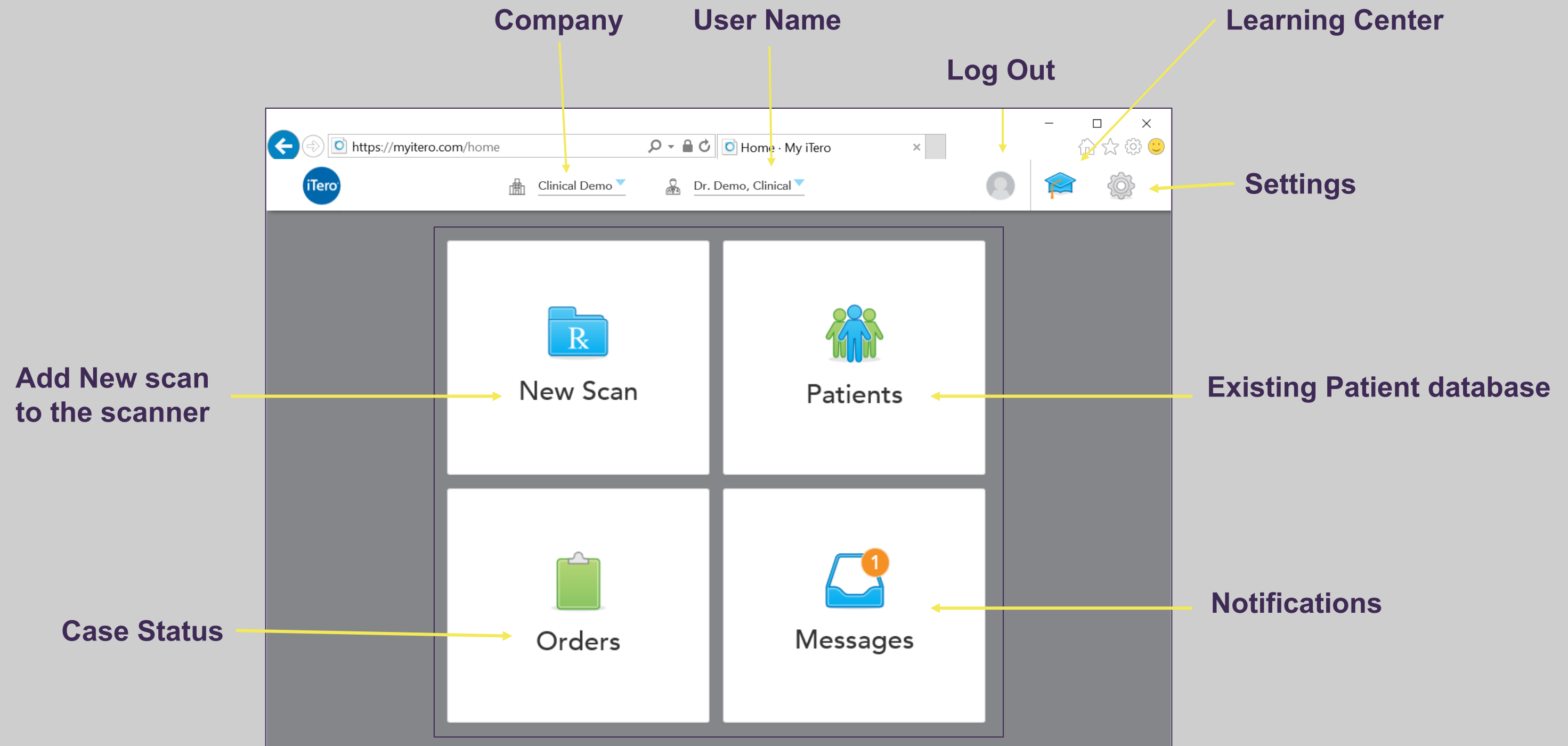
## MyiTero.com

In your web browser, go to [www.myitero.com](http://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](http://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**

## PDF Files

[iTero Element Operation Manual](#)

[Invisalign Outcome Simulator Quick Reference Guide](#)

[STL Export Instructions](#)

[iTero Element Video](#)

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