

Ortho Simulation



Version 1.3
December 2022



Medit Ortho Simulation

Version 1.3 (December 2022)

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Getting Started

Medit Ortho Simulation Overview

Simulate the trajectory of teeth movement using Medit Ortho Simulation.

With Ortho Simulation, create numerous outcome scenarios by adjusting each tooth position.

The easy-to-follow guide messages accompany each stage to help you create sophisticated simulations in minutes.

Run Medit Ortho Simulation from both clinic and lab accounts in Medit Link.

Intended Use and Disclaimer

1. The user is entirely responsible for the process and informing the patients that the simulation results generated by the application may not be precise or reliable; it should only be used for consultation or communication purposes.

Medit does not take any responsibility or liability for any misunderstandings or miscommunications that might happen. The application is to be used solely for communication purposes.

2. Medit Ortho Simulation is not developed for medical or clinical use.
3. The software may not be used for the following purposes:
 - For the purposes of diagnosing, treating, mitigating, or preventing diseases.
 - For the purposes of diagnosing, treating, mitigating, or preventing injuries or disorders.
 - For the purposes of inspecting, replacing, or transforming a structure or function.

System Requirements

Windows

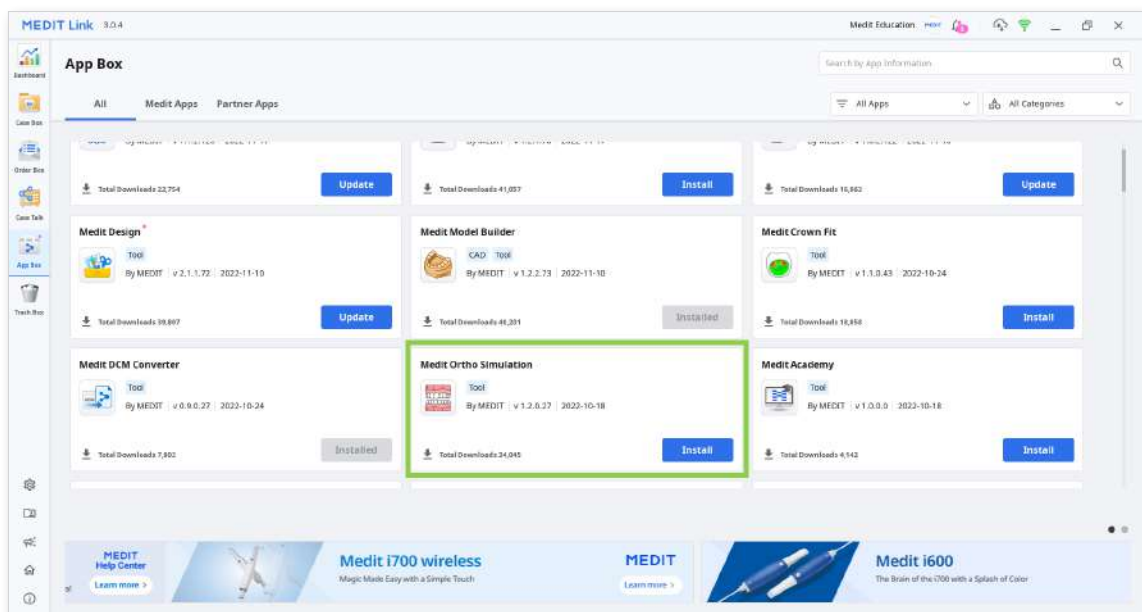
CPU	Intel Core i5 2.6GHz or higher
RAM	16GB or higher
Graphics	NVIDIA GeForce GT 1060 (2GB) or higher
OS	Windows 10 64-bit, Windows 11 64-bit

macOS

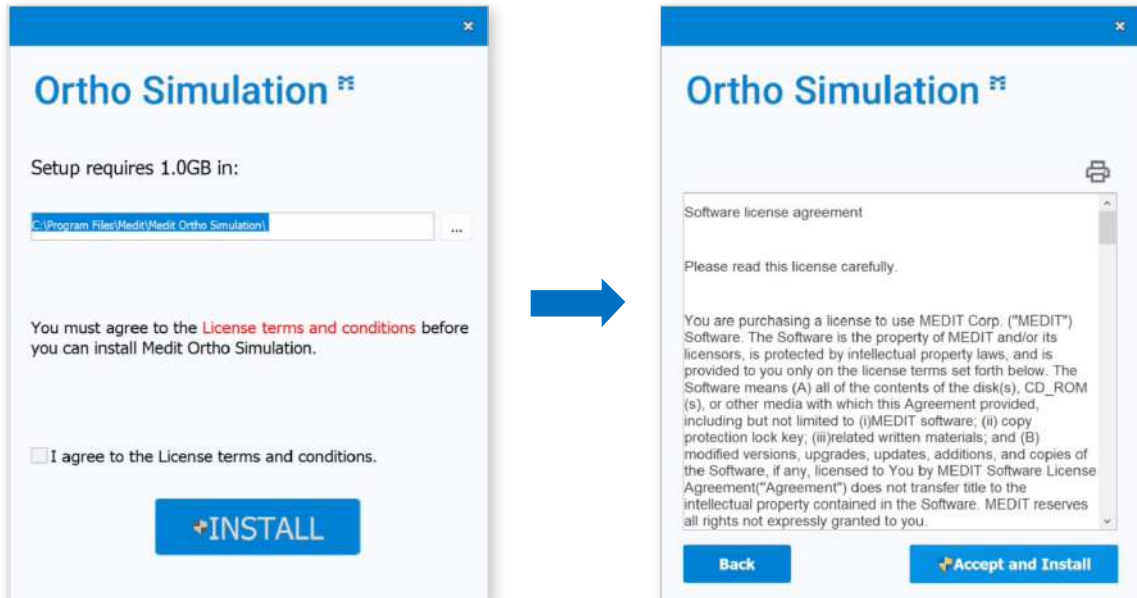
Chip	M1/M2 or higher
CPU	8-core or higher
RAM	16GB or higher
OS	Monterey 12

Installation Guide

- ① Log in to your Medit Link account and go to the App Box.
- ② Find the Medit Ortho Simulation app and click “Install.”



- ③ Once the download is complete, the Medit Ortho Simulation installer will run automatically.
- ④ Read and agree to the License Terms and Conditions to continue.

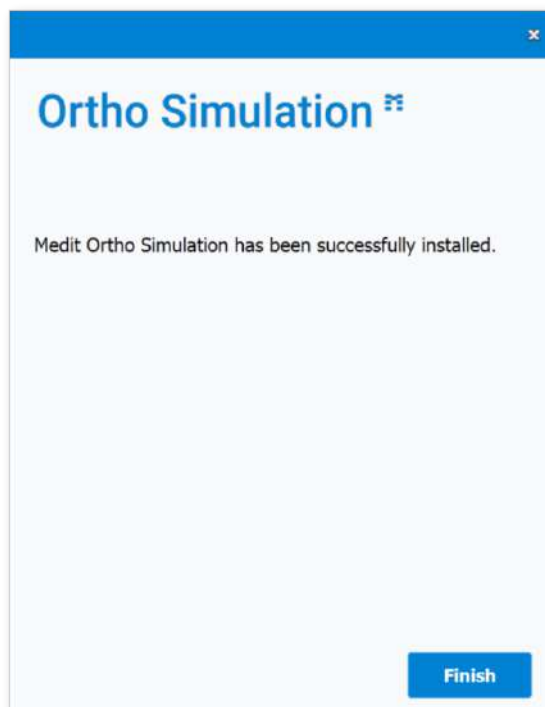


- ⑤ It may take up to several minutes to finish the installation process.



Do not turn off the PC until the installation is complete.

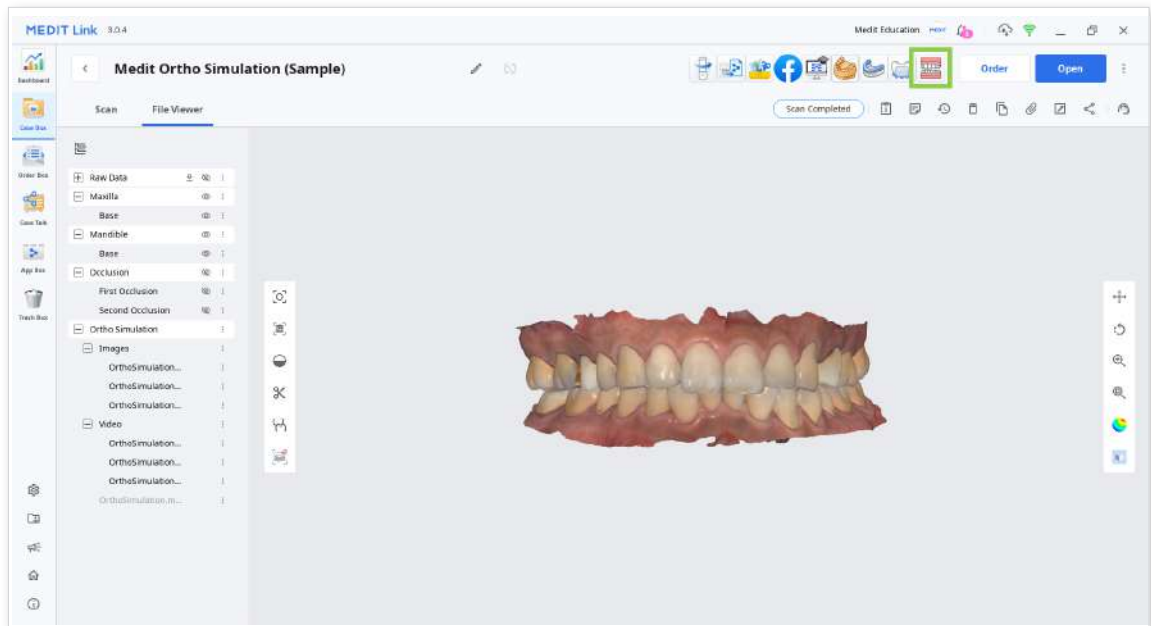
- ⑥ Click “Finish” to complete the installation.



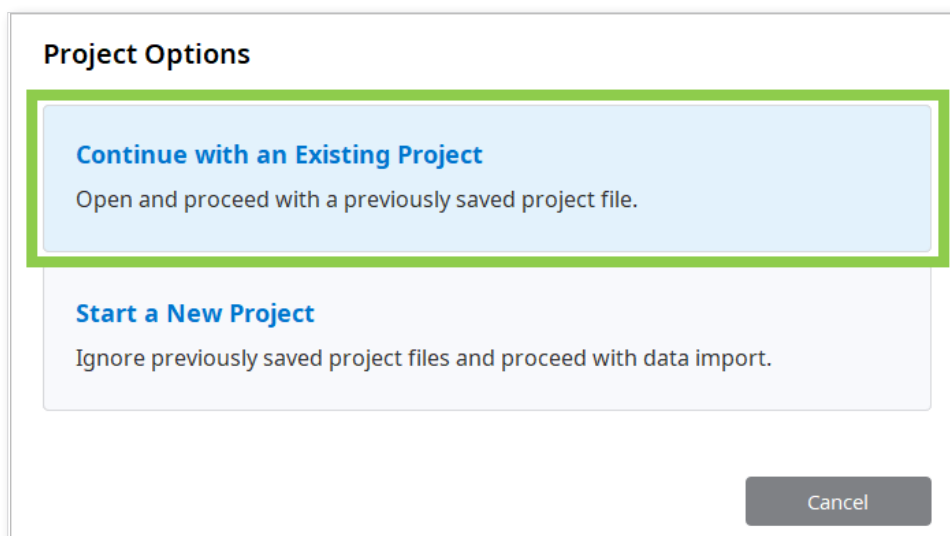
Running Medit Ortho Simulation from Medit Link

Follow these steps to run Medit Ortho Simulation from Medit Link.

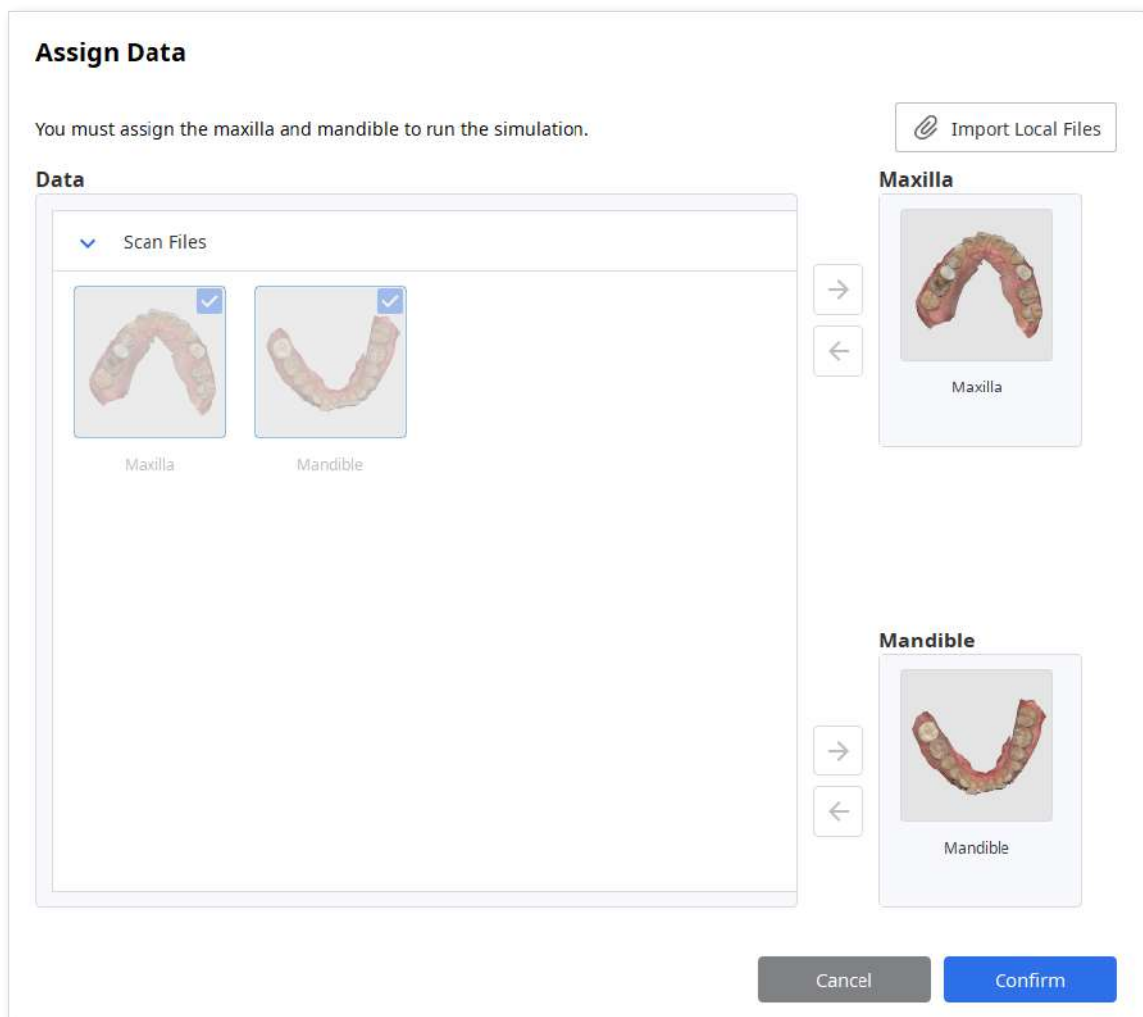
- ① Go to Case Box (Clinic account) or Work Box (Lab account) and choose the case you would like to open in Ortho Simulation.
- ② Click the “Ortho Simulation” icon in the top right corner of the Case Detail window. The icon will automatically appear once you have installed the app.



- ③ If you want to continue working on your last project, select Continue with an Existing Project.



- ④ To create a new project, choose Start a New Project and assign data in the next dialog window.



- ⑤ The project file along with the captured images and animation will be saved to Medit Link once you finish and close the app.



Note that you'd start in the Model Settings stage if your scans were acquired using Medit software and in the Alignment Mode stage if using scans from attached files.

Data Management

Acquiring 3D Data

There are several ways to gather 3D data that will be used in Medit Ortho Simulation:

① Acquire scan data in Medit Scan for Clinics

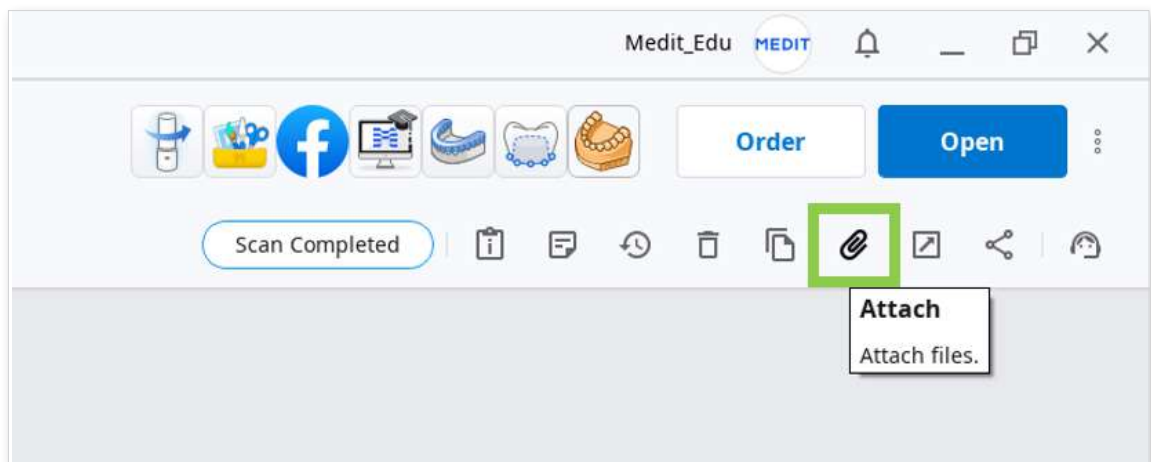
Complete the necessary scans in the program, and they will be saved to the case in Medit Link. The app will automatically import the required data from the case that you run it from.



To run the app, you must use maxilla and mandible scans for which the occlusal scanning was completed.

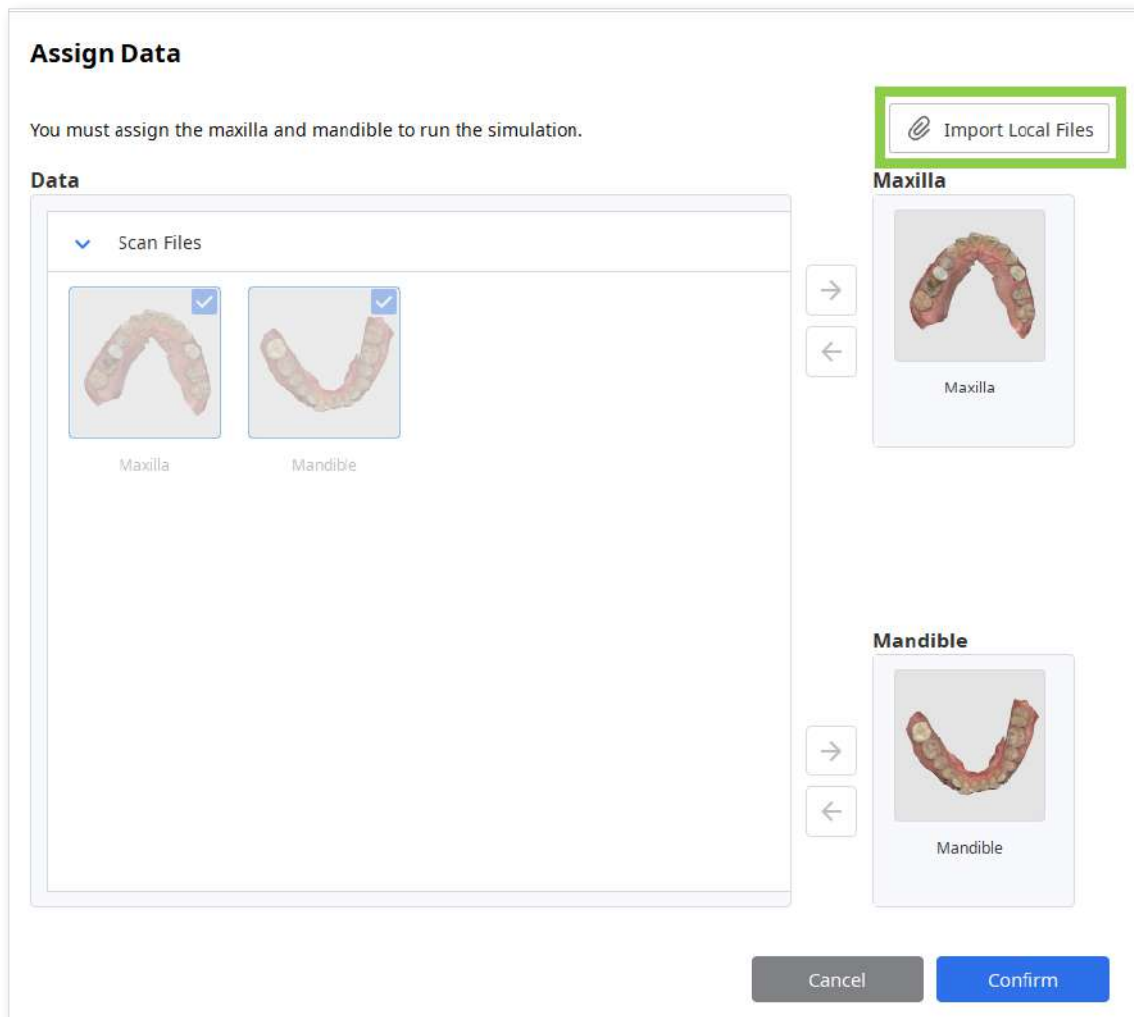
② Attach files to the Medit Link case

You can import data scanned by third-party software before running the app in the Case Detail window.










③ Import local files after running the app

You can import local files after running the app in the Assign Data window.





















3D Data Control

3D data control using mouse:

Button	Action	Use	Image
Left	Click	Select or delete entities in the view screen when using the “Polyline Selection” or “Polyline Trimming” tool.	
Left	Drag	Select or delete entities in view screen when using “Brush Selection” or “Brush Trimming” tool. Performs sculpting.	
Left	Double Click	Zoom in and out a specific area by double-clicking on the specific area. Place data in the center by double clicking on the background.	
Wheel	Drag	Move data around in the view screen.	
Wheel	Scroll	Zoom in and out on data in the view screen.	
Right	Click	Complete the selection or deletion of entities in the view screen when using the “Polyline Selection” or “Polyline Trimming” tool. Access data view options in the Data Tree.	
Right	Drag	Rotate data in the view screen.	

3D data control using mouse and keyboard actions:

Action	Use	Windows	macOS
Left click and drag	Zoom in and out	Shift + 	 + 
Up and down keys	Zoom in and out	Shift + 	 + 
Left click and drag	Rotate	Alt + 	 + 
Up, down, left and right keys	Rotate	Alt + 	 + 
Left click and drag	Move	Ctrl + 	 + 
Up, down, left and right keys	Move	Ctrl + 	 + 


Saving Completed Project

The Complete stage is the final step in the simulation workflow.


By clicking it you will be saving the finalized simulation scenario to Medit Link. Your project file will be saved to the case alongside the captured images and animation.

Save to Medit Link

Select one or more simulation scenario results to create capture images. They will be saved in the Medit Link case together with animation.



Scenario 1



Scenario 2

Patient Information

Select the information you want to include in the Ortho Simulation Report.

Patient	Case
<input type="checkbox"/> ID	<input checked="" type="checkbox"/> Name
<input checked="" type="checkbox"/> Name	<input checked="" type="checkbox"/> Scanned Date
<input type="checkbox"/> Birth Date	<input checked="" type="checkbox"/> Report Created On
<input type="checkbox"/> Include Facial Data	<input checked="" type="checkbox"/> Teeth Movements Data

Select All



You can still save your work even if you click "Exit."

Exit Options

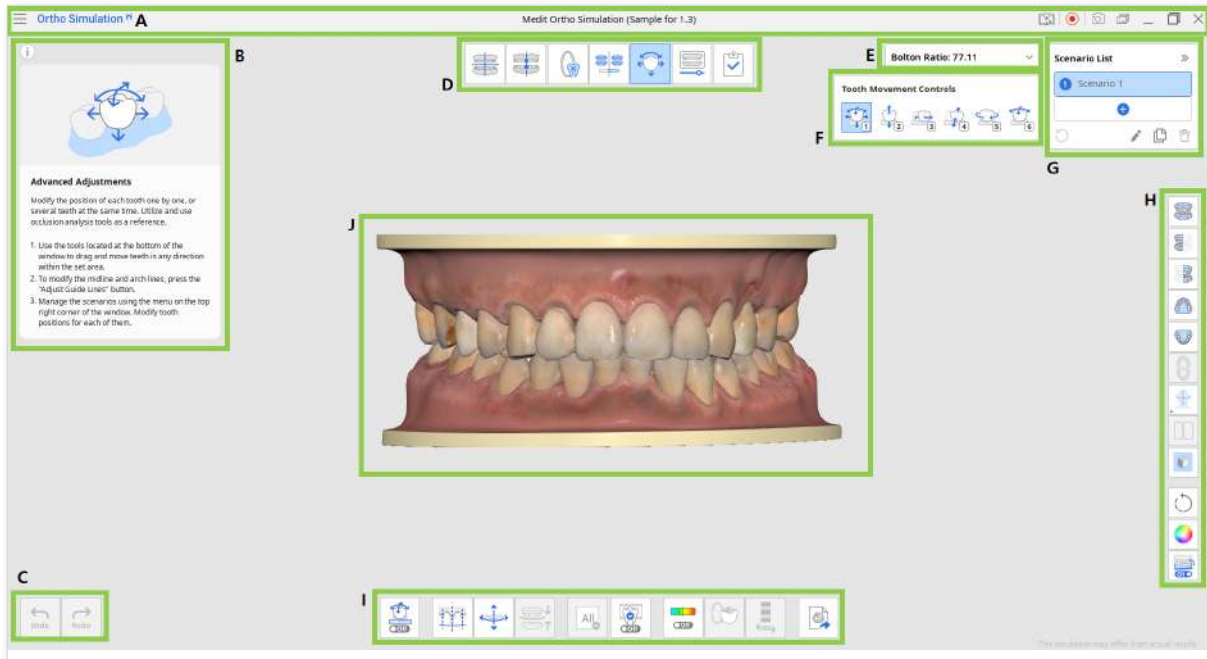
Exit Program After Saving

Save all current progress and terminate the program.

Exit Program Without Saving

Terminate the program without saving any of the current progress.

User Interface



- | | | |
|------------------|------------------|----------------------------|
| A. Title Bar | B. Guide Message | C. Undo/Redo |
| D. Stage | E. Bolton Ratio | F. Tooth Movement Controls |
| G. Scenario List | H. Side Toolbar | I. Toolbox |
| J. 3D Data | | |



Please note that the interface varies depending on the stage.




Title Bar



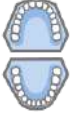










The Title Bar includes the following elements:

Menu	Adjust settings, access available assistance resources, and check application details.
Help Center	Go to the Medit Help Center page.
Start Video Recording	Start video capture.
Screenshot	Capture the screen. You can select the area automatically or manually. The automatic select area captures either the program area or the main 3D area.
Screenshot Manager	Manage screen capture images.
Minimize	Minimize the application window.
Maximize or Restore	Maximize or restore the application window.
Exit	Close the application.

Side Toolbar



The Side Toolbar provides a set of tools for controlling the data display and view options.

Icon	Tool	Description
	Frontal View	Show frontal view.
	Right Lateral View	Show right lateral view.
	Left Lateral View	Show left lateral view.

	Maxilla View	Show maxilla occlusal surface.
	Mandible View	Show mandible occlusal surface.
	Occlusal Surface View	Show the occlusal surfaces of maxilla and mandible.
	Show/Hide Reference Data	Show or hide such reference data as midline, arch line or face data.
	Show/Hide Face	Show or hide the face data.
	Show/Hide Midline	Show or hide the midline on the data.
	Show/Hide Arch Line	Show or hide the arch line on the data.
	Scenario Comparison Mode	Show the selected scenario or all scenarios in comparison to the original model.
	Grid Settings	Set grid display options. It shows or hides the grid and control its position in relation to the model (overlay on/off).
	Rotate	Left-click and drag to rotate the data.  Useful when you use touch screen.
	Model Display Modes	Change the model display mode between “Original Color Display Mode” and “Study Model Display Mode.”
	Lower Jaw Movement On/Off	When on, shows lower jaw movement together with teeth.

Undo / Redo

The Undo/Redo buttons are located at the bottom left corner of the window.








Icon	Tool	Description
 Undo	Undo	Undo the previous action.
 Redo	Redo	Redo the previous action.

Stages

Stages indicate the current step of the simulation process. They are subject to a specific sequence; however, after completing work in Advanced Adjustments you can return to Simulation Preview to compare the created scenarios with the original model.



Note that you'd start in the Model Settings stage if your scans were acquired using Medit software and in the Alignment Mode stage if using scans from attached files.

Icon	Tool	Description
	Alignment Mode	Align data to the occlusal plane.
	Model Settings	Set the model midline and clean the data. ⚠ If you change the midline settings while working on the project, you will lose all current progress.
	Simulation Settings	Adjust settings for the simulation by defining missing teeth, planned extractions and prostheses.
	Simulation Preview	Display the simulation preview in comparison with the original model.
	Advanced Adjustments	Make advanced adjustments to the position of each tooth.
	Animation View	View simulation in animation. Choose a scenario in the top right corner to see its teeth movement animation.
	Complete	Save all information and create capture images. 💡 The captured images will be saved to the case in Medit Link under attachments.

Alignment Mode

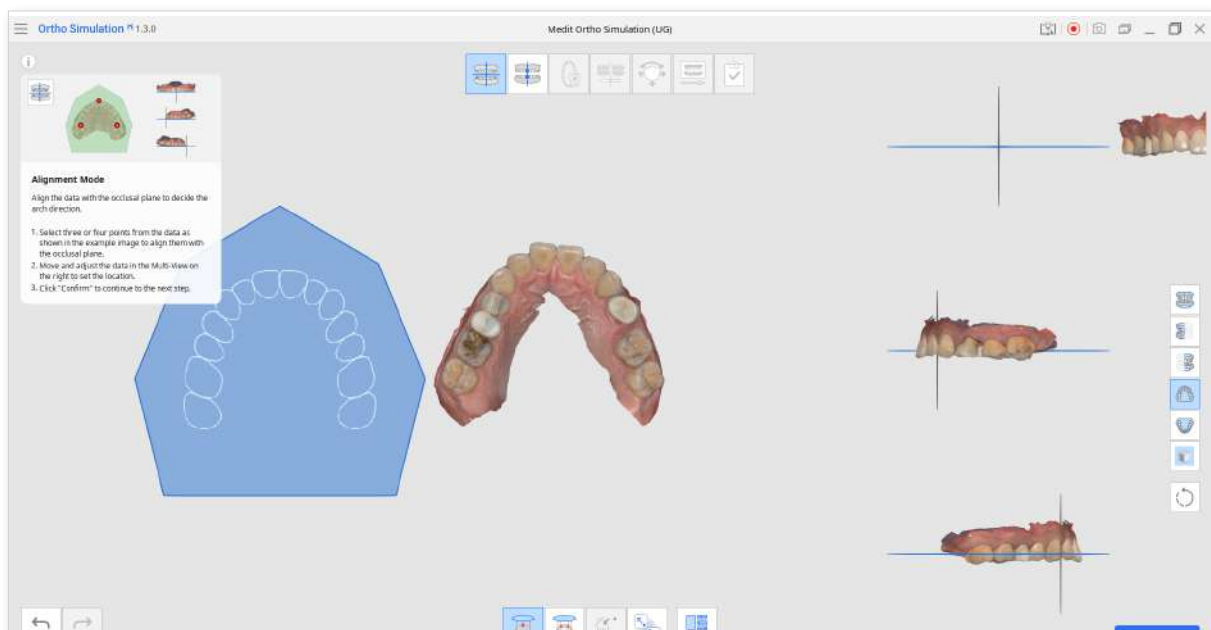
In Alignment Mode, align the maxilla and mandible data to the occlusal plane.








You must align data to the occlusal plane if you are using attached scan data.



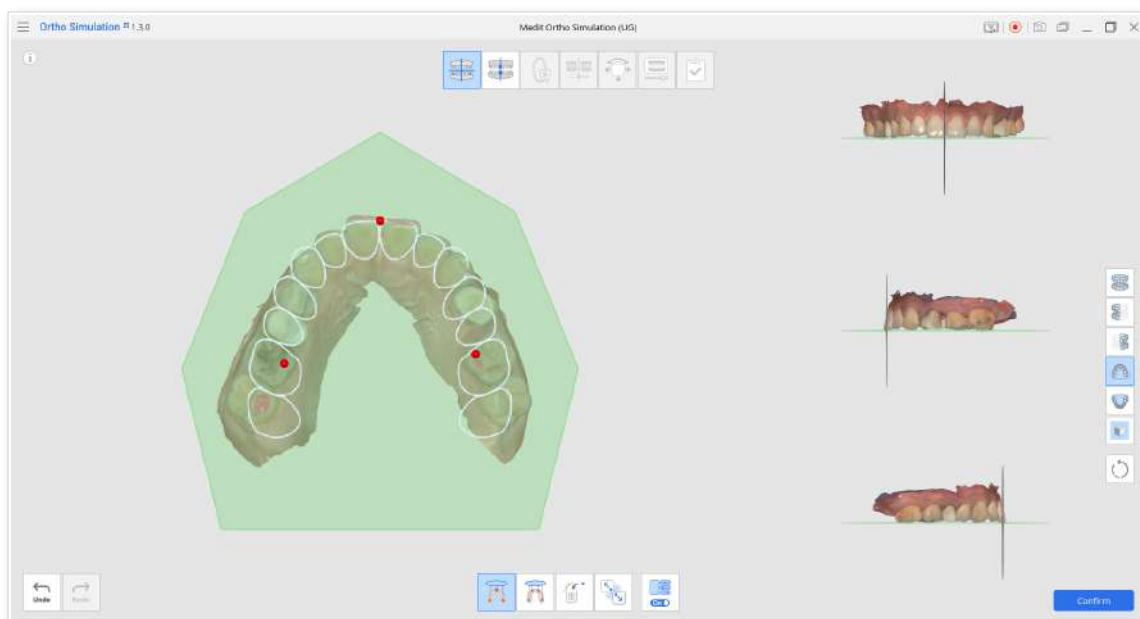
This stage is automatically skipped if you are using data acquired in Medit Scan for Clinics or Medit Scan for Labs.



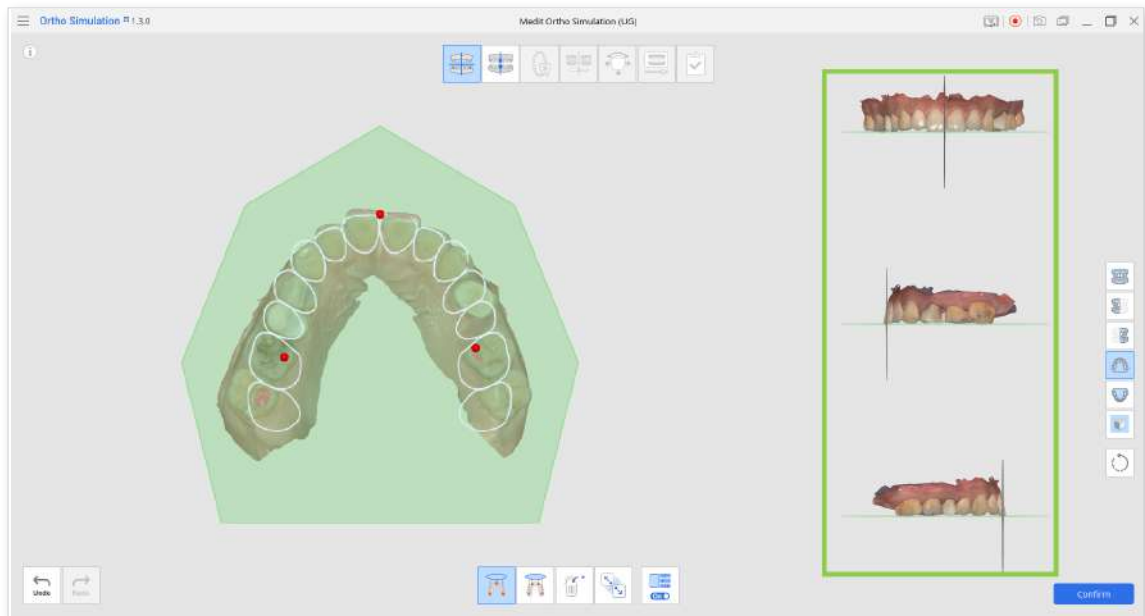
Toolbox

Icon	Tool	Description
	Align with Occlusal Plane by Three Points	Select three points to align the maxilla or mandible data with the occlusal plane.
	Align with Occlusal Plane by Four Points	Select four points to align the maxilla or mandible data with the occlusal plane.
	Delete Marker Point	Delete marker points.
	Detach Data	Reset alignment and move data to the initial position. Select points on the data to align it manually.
	Multi-View	Turn on to show data from four different angles.

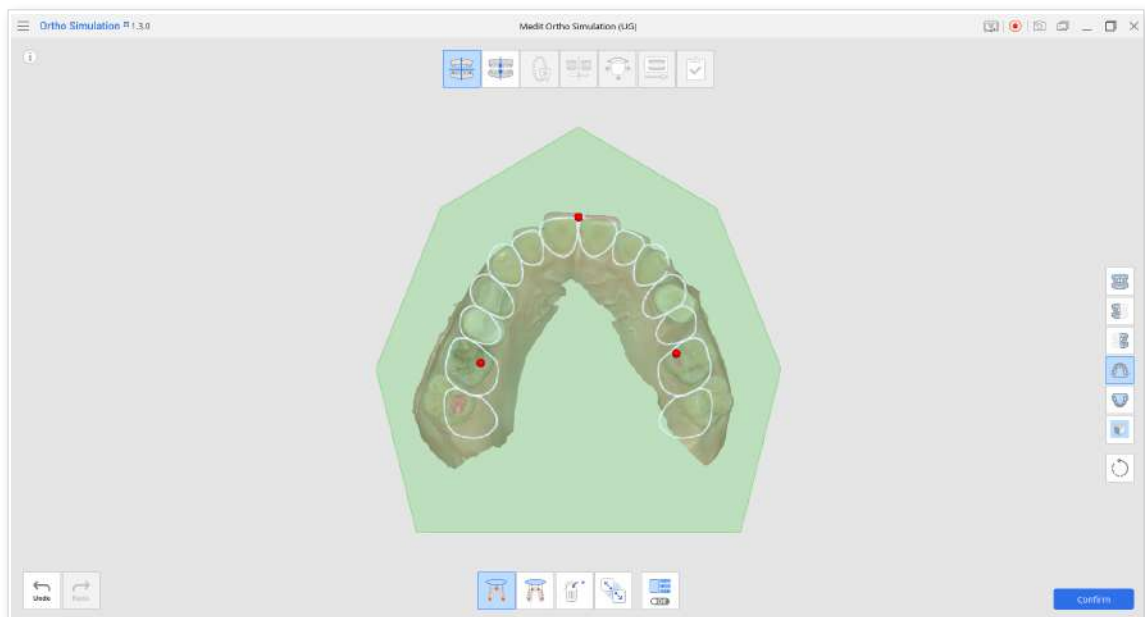
- ① Place three or four points on the data to automatically align it to the occlusal plane.



- ② Use the Multi-View on the right to move the data around and control the alignment process.



- ③ If you turn off Multi-View, only the occlusal plane will be displayed.

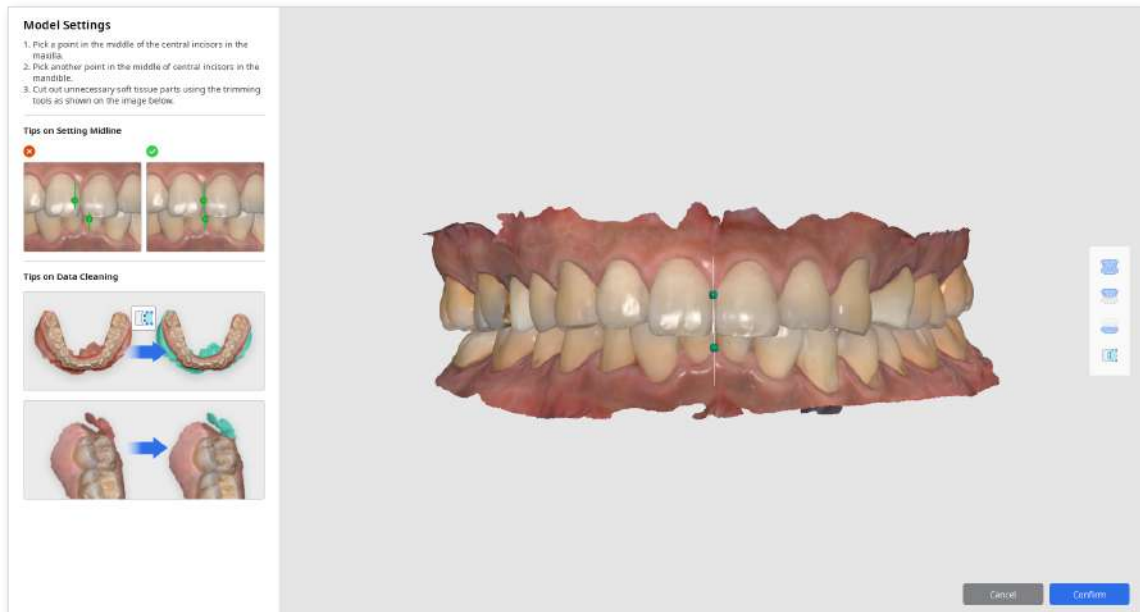


Model Settings

In this stage, you must adjust the orientation of the arches by defining midline points on each arch.

This is a mandatory step for creating the simulation.

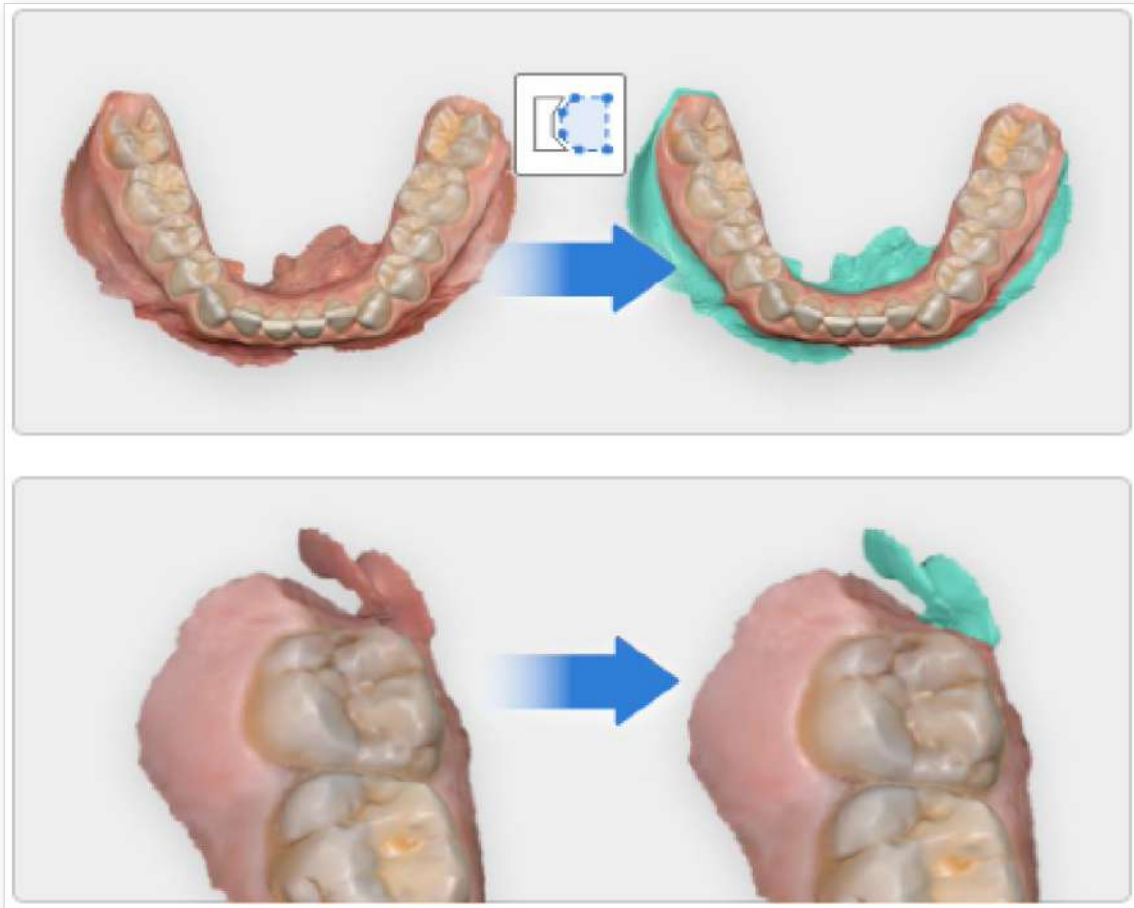
- ① Adjust the midline points on each arch as shown below.



- ② Use the trimming tool located on the right to edit data. Trimming the gingiva area will make the model appear cleaner for consultation. Left-click and drag to select the area, then right-click to delete.

Click on the trimming tool again to return to midline adjustment.

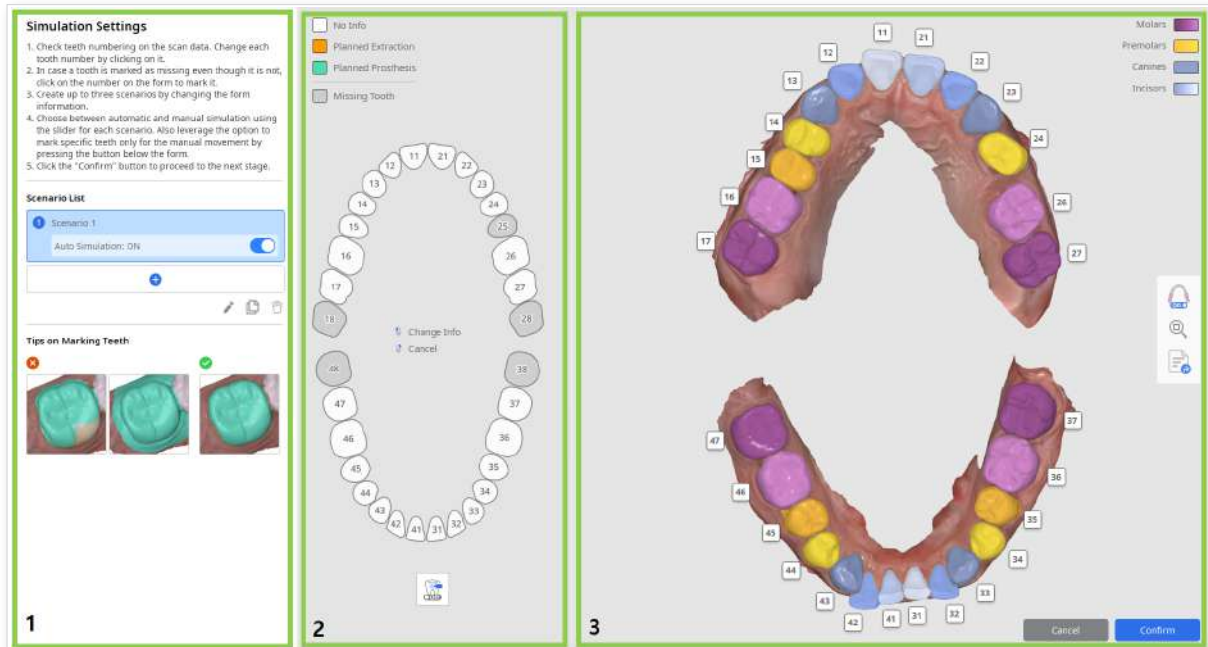
Tips on Data Cleaning






- ③ Click “Confirm” to move to the next stage.

Simulation Settings

In the Simulation Settings stage you will be creating scenarios, adjusting form information and segmenting the teeth.









<p>1</p>	<p>Overview</p>	<p>The overview section allows you to create up to 3 scenarios of teeth movement. The form information for each scenario is filled out separately, and the results can be compared later on.</p> <p>In each scenario, you can toggle Auto Simulation on and off.</p> <div style="background-color: #e0f2f1; padding: 10px; border: 1px solid #ccc;"> <p> Use the tools in the Advanced Adjustments stage to make additional adjustments to the teeth' position.</p> </div>
<p>2</p>	<p>Form Information</p>	<p>Use the form information section to designate teeth as missing, or as planned for prosthesis or extraction.</p> <div style="background-color: #e0f2f1; padding: 10px; border: 1px solid #ccc;"> <p> To prohibit any tooth from being moved during Auto Simulation, click the "Manual Movement Only" option and then pin any teeth you wish to be fixed.</p> </div>
<p>3</p>	<p>Scan Data</p>	<p>In case the program does not segment teeth correctly, you can change tooth numbering in the scan data section.</p> <div style="background-color: #e0f2f1; padding: 10px; border: 1px solid #ccc;"> <p> You can export each of the segmented teeth as a separate file to the case via Segmented Export on the right.</p> </div>

Overview & Creating Scenarios

Create up to three scenarios of teeth movement based on the form information to visualize possible simulation outcomes. You can create variations of the form information by changing the planned teeth for extraction or prosthesis, along with the option to turn “Auto Simulation” on and off in each scenario.



- ① To create a new scenario, either click “+” icon below the first one or clone the selected one.

Icon	Tool	Description
	Auto Simulation	Turn the Auto Simulation on and off.  When off, the original and simulation results will be the same.
	Add	Add a new scenario to the list.
	Rename	Change the name of the selected scenario.
	Clone	Clone the selected scenario.
	Delete	Delete the selected scenario.

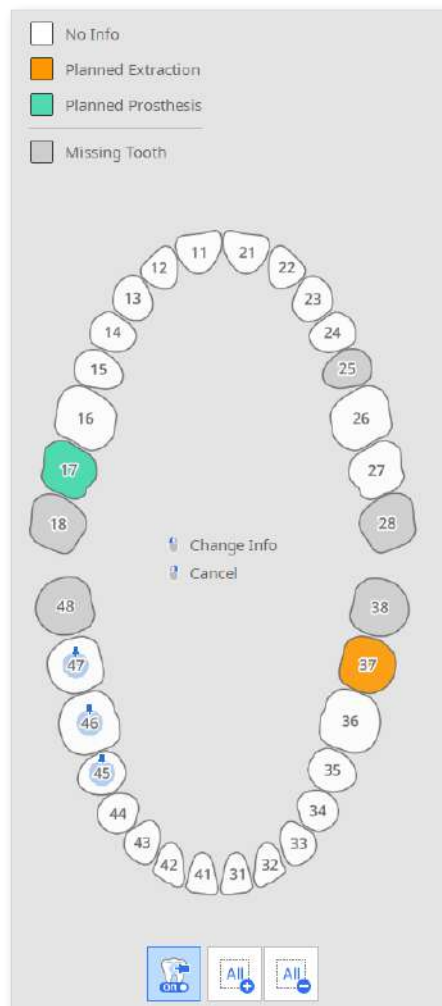
- ② Edit the form for each of the scenarios.
- ③ When you're finished with the simulation scenario, click "Confirm" to move on to the next stage.

Form Information

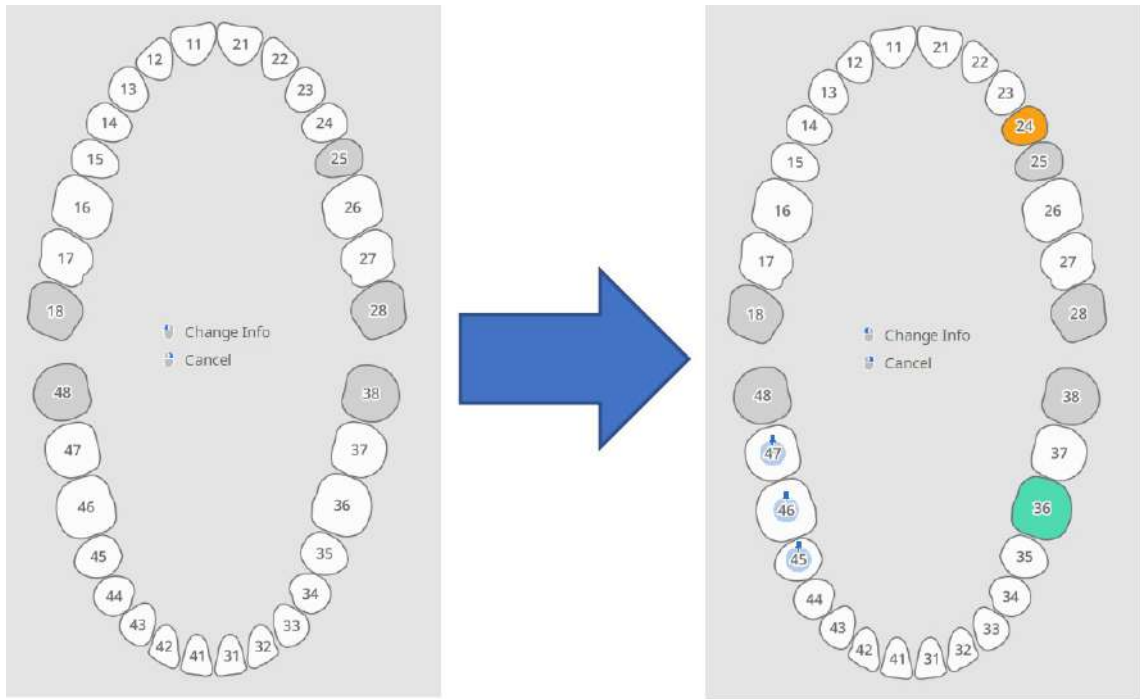
The form information section represents your treatment plan.

- ① Click a tooth once to mark it as "Planned Extraction" or double-click to mark it as "Planned Prosthesis."
- ② Teeth pinned by "Manual Movement Only" will not be moved during "Auto Simulation"; you can only change their position manually later in the Advanced Adjustments stage.

This feature is useful when you only want to check the simulation of certain teeth while the rest remain fixed. You can move the fixed teeth manually in "Advanced Adjustments."



- ③ Click a tooth in the form if an extraction or prosthesis is planned.
- ④ Click once to mark a tooth as “Planned Extraction.”
- ⑤ Click again to mark it as “Planned Prosthesis.”



Simulation result cannot be created if there are less than 10 teeth.

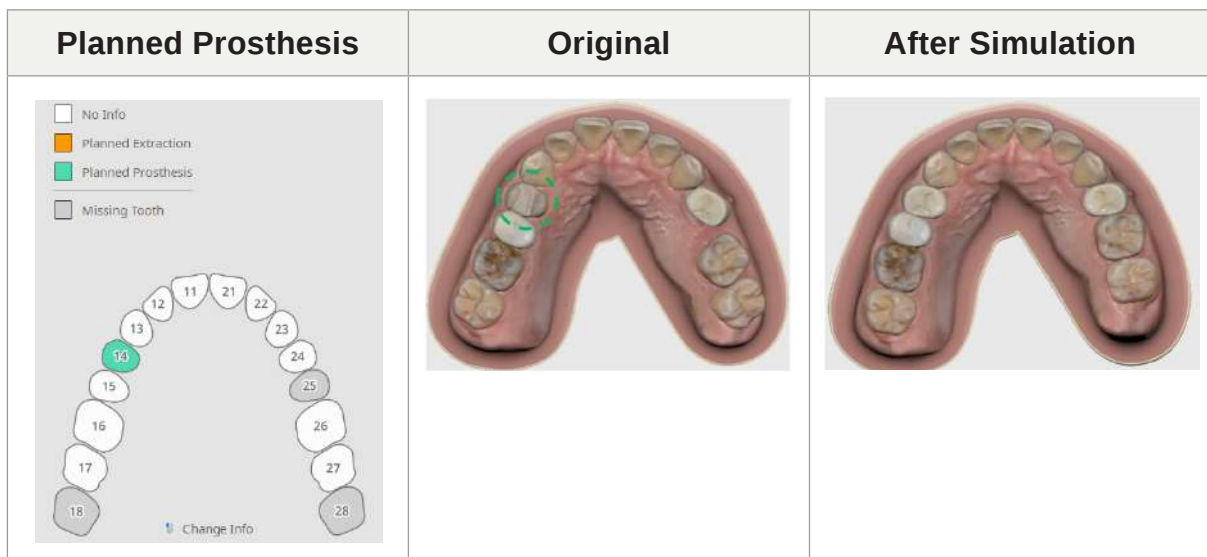
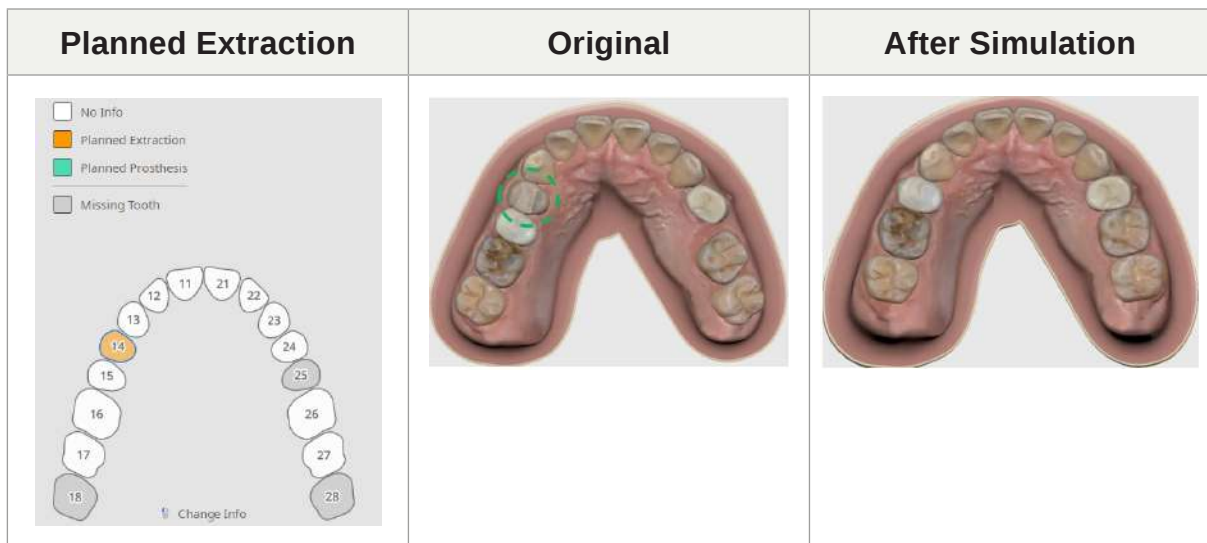
- ⑥ Click “Add Tooth Area” button to add a tooth if the tooth is still present but marked as a missing tooth.



- ⑦ Click “Add Prosthesis Tooth” button to add a “Planned Prosthesis.”



Differences between “Planned Extraction” and “Planned Prosthesis”

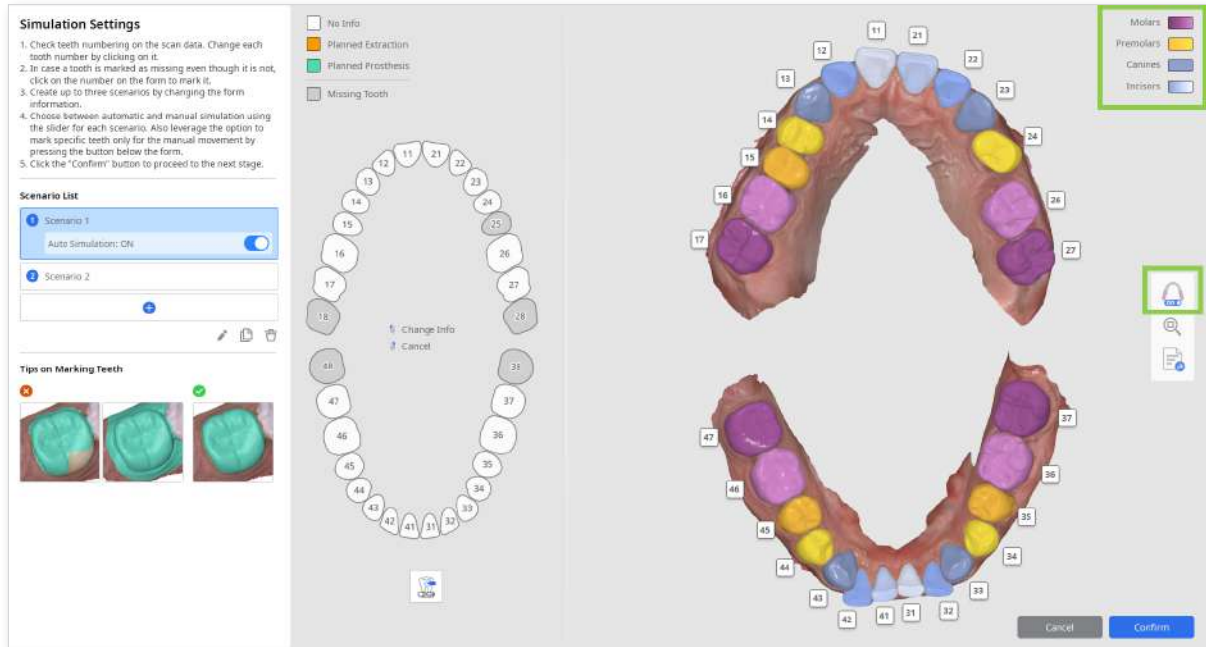


Check the teeth numbering on the scan data. You can change the teeth number by clicking on the tooth on the scan data.

If a tooth is misnumbered, click its number on the scan data. The program will suggest one or two options to change the numbering.

Teeth Marking

The program will automatically segment and mark teeth based on their type. You can always edit the number if it is inaccurate. You also have the option to export segmented teeth as a separate file.

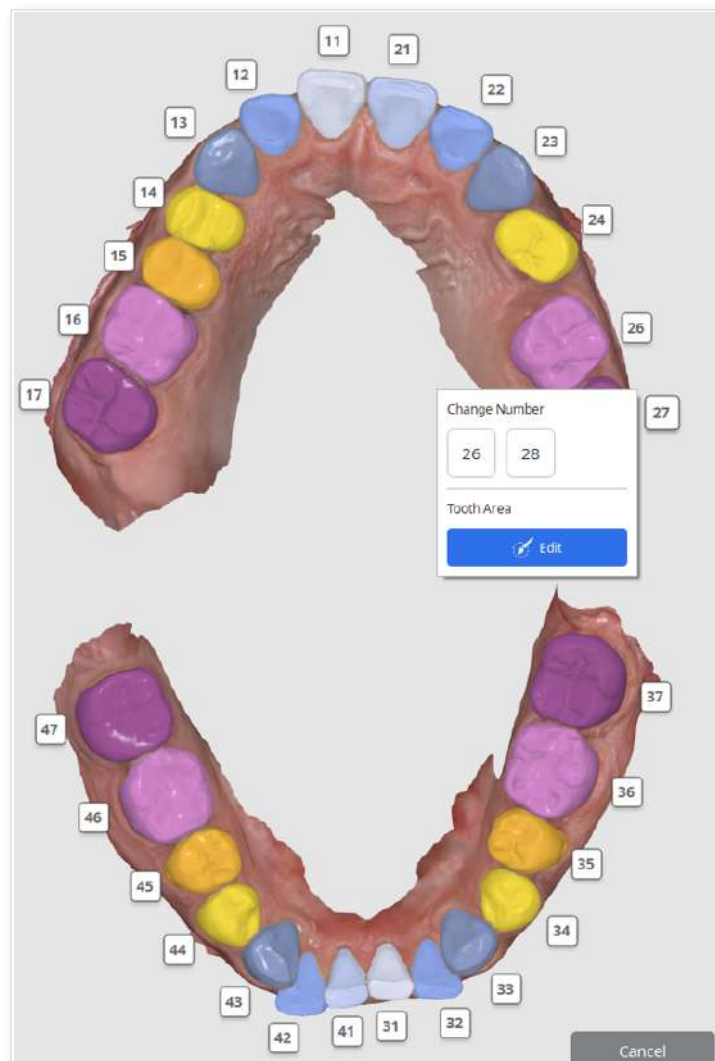


Use the marked teeth as a reference for when you have to manually mark a tooth. Ensure that only the tooth (and no soft tissue) is selected as shown on the image below.

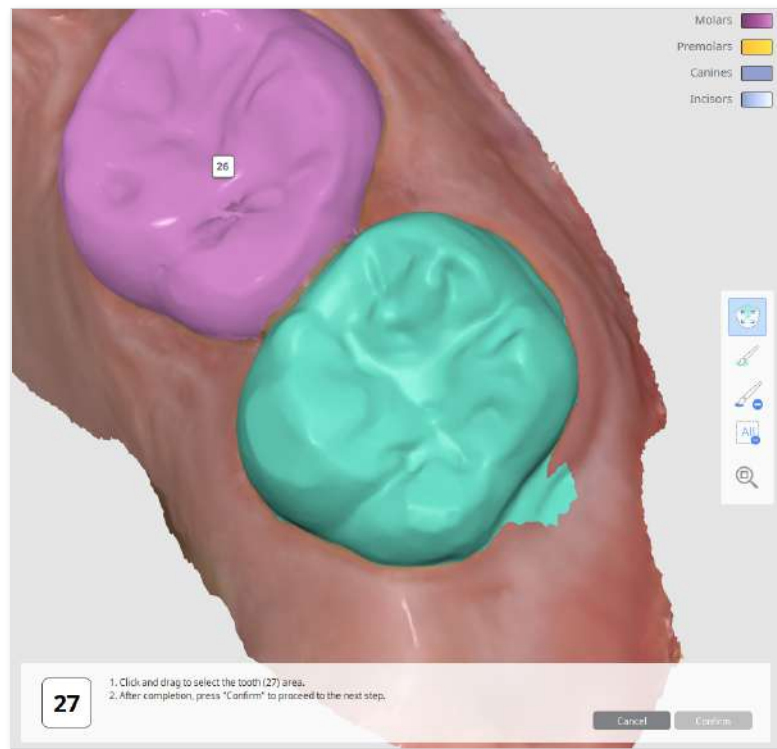
Tips on Tooth Area Selection








- ① Check the tooth number in the scan data. If it has to be changed, click the tooth number for suggestions.
- ② Click the tooth number to see the possible options if the wrong number is assigned.



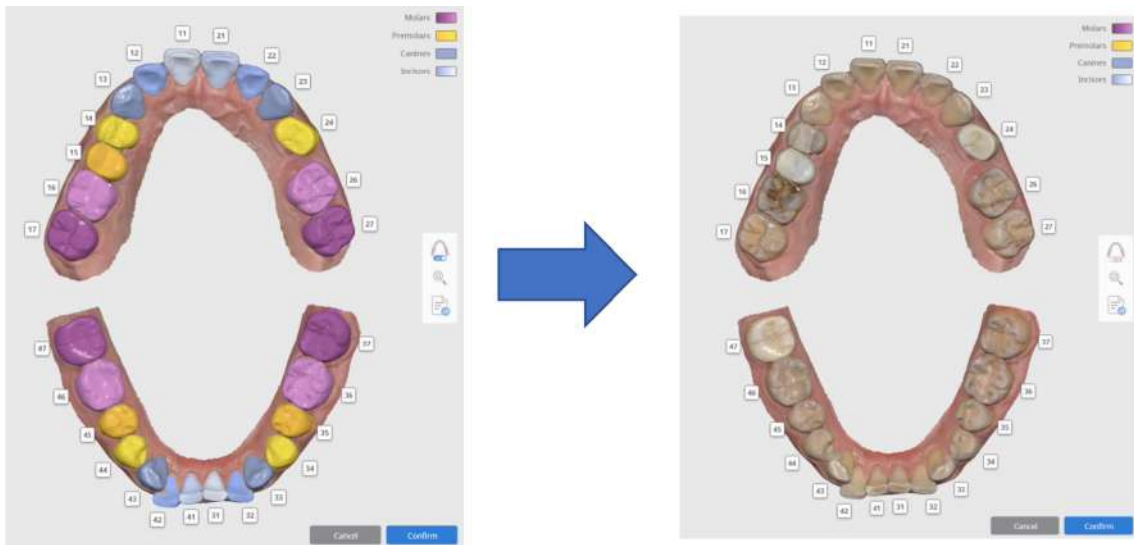
- ③ Use the tools located on the right to select the correct area for the tooth.
- ④ Use Smart Tooth Selection to mark the area in one click or by clicking and dragging the mouse to automatically expand the selected area. You can also use the brush tool to mark the tooth.



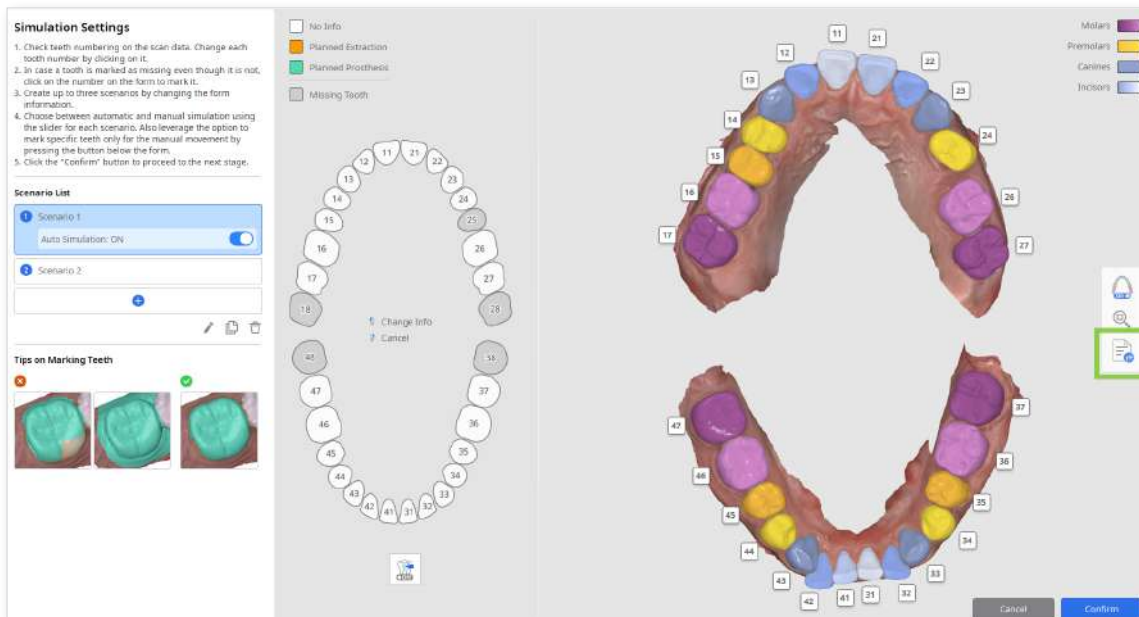
Toolbox

Icon	Tool	Description
	Smart Tooth Selection	Automatically select the area of a tooth. Click and drag the mouse on the tooth.
	Brush Selection	Select the area using the brush.
	Brush Deselection	Deselect the area using the brush.
	Clear All Selection	Clear all selection.
	Zoom Fit to Selection	Zoom to the selected area.

- ⑤ Click “Show/Hide Teeth Marking” to see the data in its original color.



- ⑥ Click Segmented Export on the right to export each of the segmented teeth as a separate file to Medit Link.

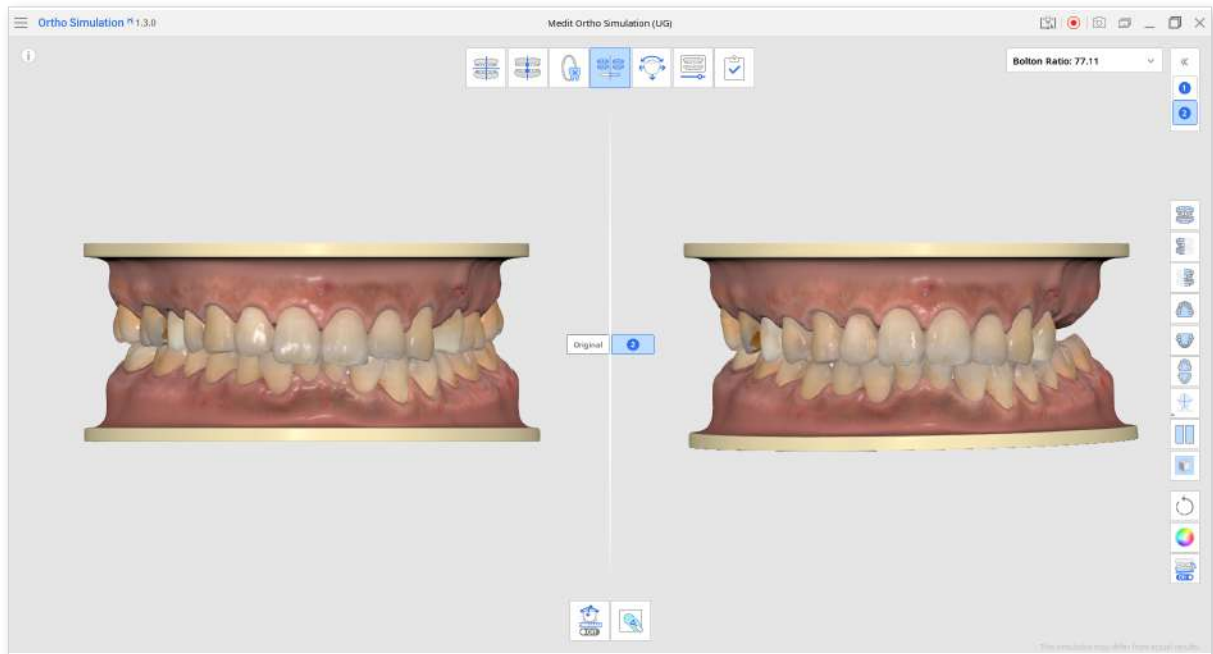


Simulation Preview

This stage addresses two important tasks in the simulation workflow.

For starters, it is an excellent visual aid for patient consultation. Secondly, it contains a number of tools for analyzing simulation results.

When you enter this stage, expected simulation results are generated and shown alongside the original model.

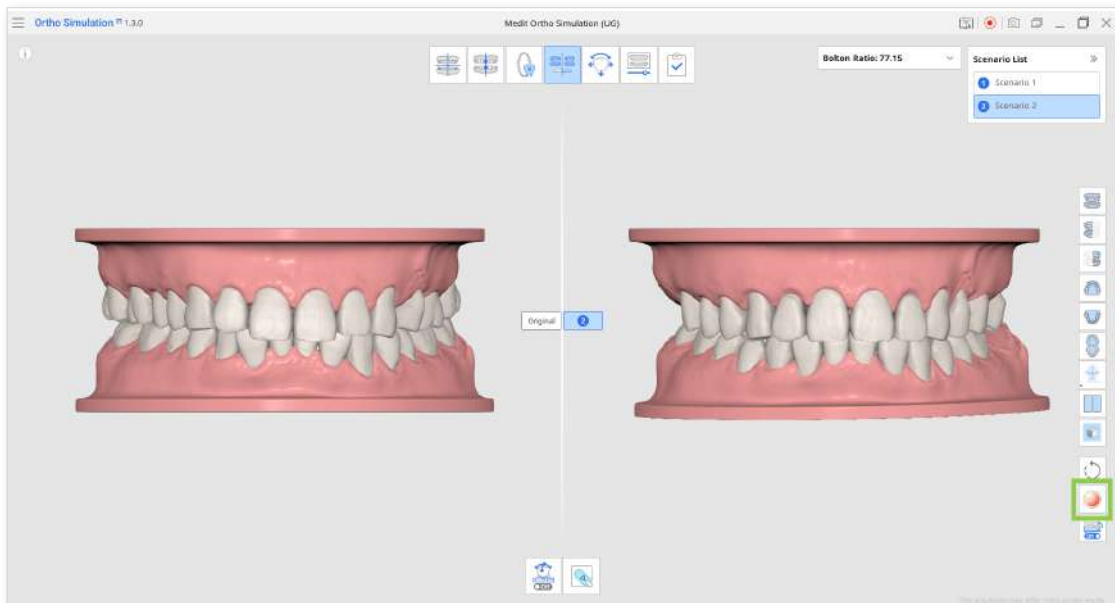


Patient Consultation

The Side Toolbar contains a number of elements that can be useful during a consultation with the patient.

① Model Display Modes

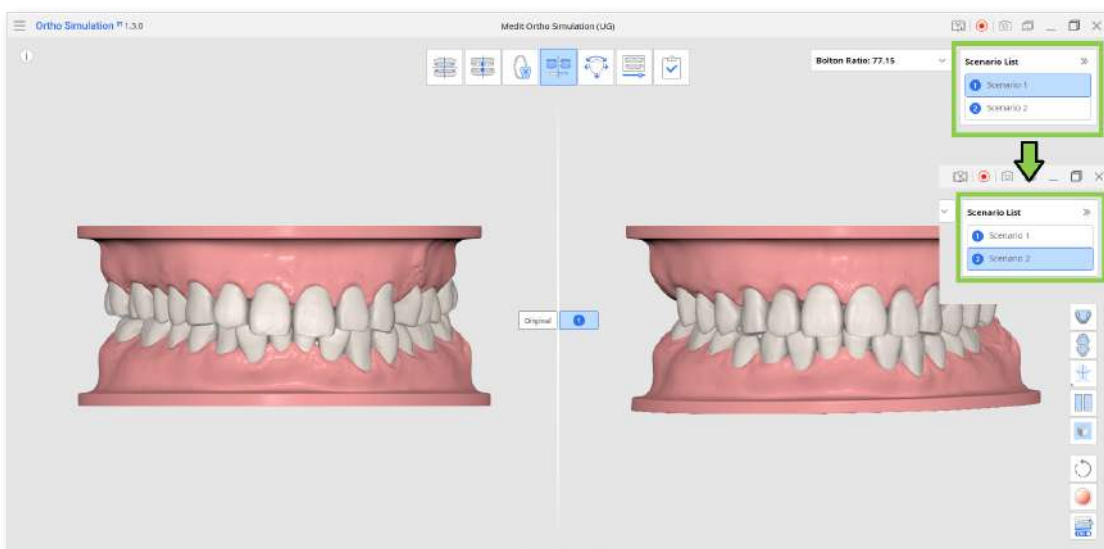
If the patient is sensitive to visual stimuli, you can change the 3D data display mode to the study model to make them feel more comfortable.



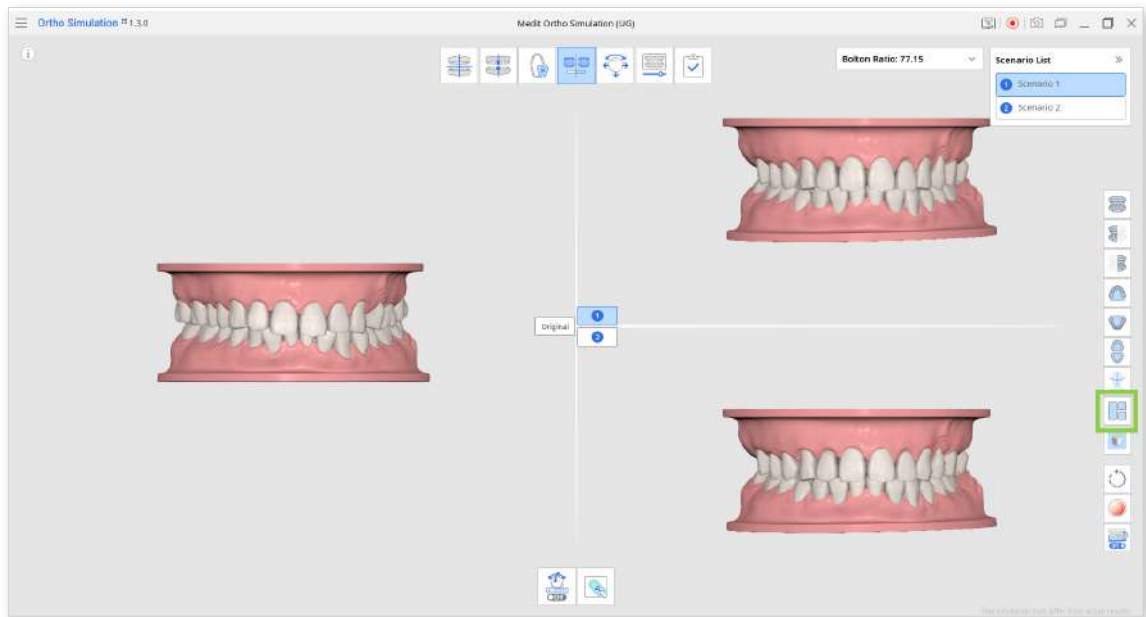
② Scenario Comparison Mode

Each scenario in the top right corner can be compared to the original model individually or all at once.

- To see the individual comparisons, switch between scenarios in the top right corner.



- To see the comparison of all scenarios to the original at once, click Scenario Comparison Mode.

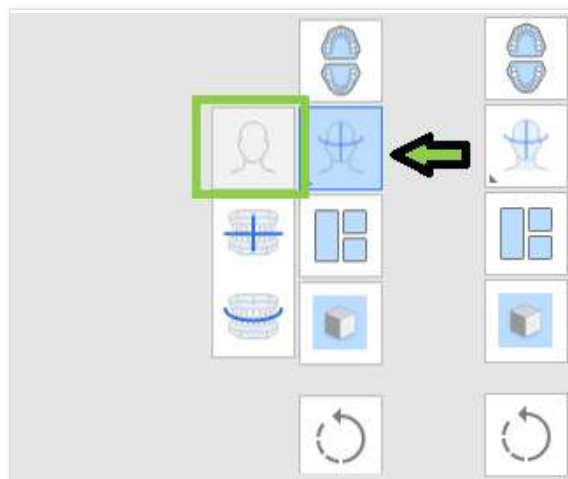


You can use different view options for a more comprehensive examination.

③ Show/Hide Reference Data

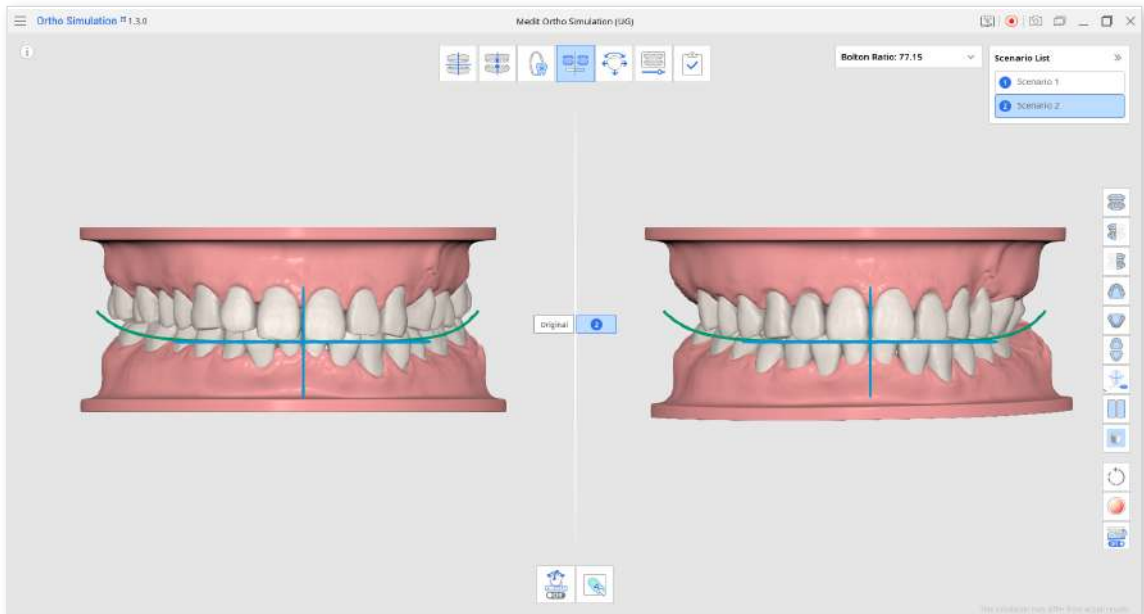
Various reference data can be displayed together with the model data.

- Click Show/Hide Reference Data and then select the Show/Hide Face option.



To use this feature face scan data must be acquired and aligned in Medit Scan for Clinics.

- Select the Show/Hide Midline or Show/Hide Arch Line options to reference their location.



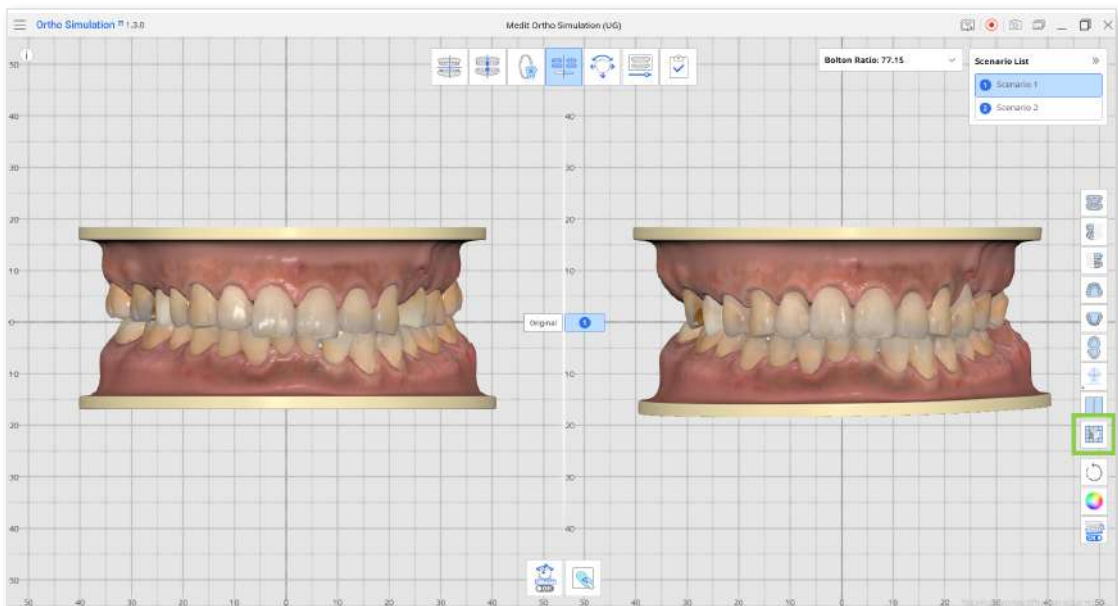
You can adjust the midline and arch line at the next stage (Advanced Adjustments).



Simulation results for each scenario will be saved to the Medit Link case when completed as captured images.

④ Grid Settings (mm)

Select “Grid Settings” to show or hide the grid and control its position in relation to the model (Overlay On/Off).

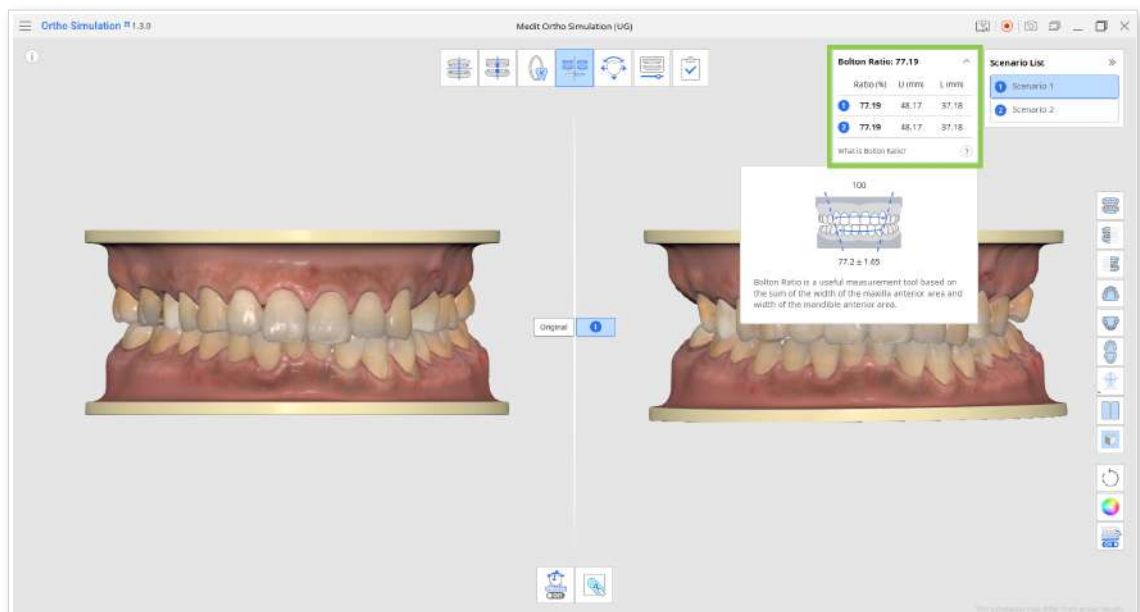


Analyzing Simulation Results

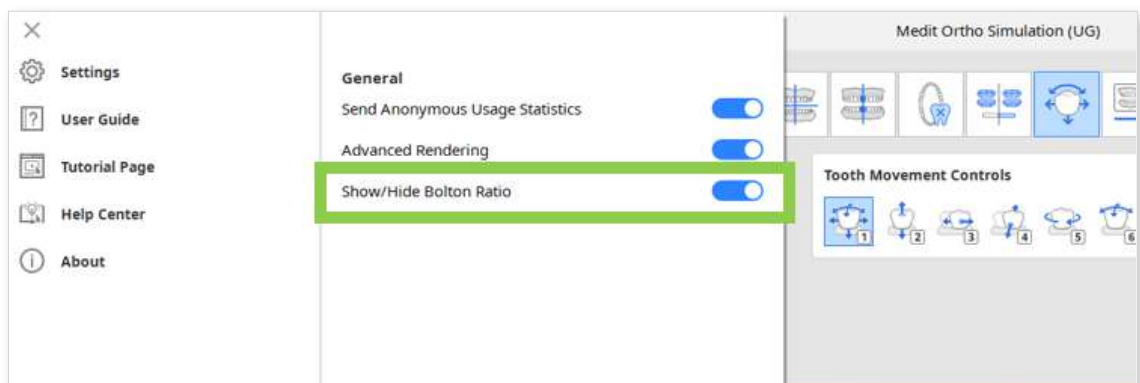
For examining the simulation results, several tools are offered, including the Bolton Ratio, Teeth Movements Data, and Sculpting.

① Bolton Ratio



The Bolton Ratio window is located in the top right corner of the window. If there is more than one scenario in the list, expand the Bolton Ratio window to see each scenario's value.



- To hide or show the Bolton Ratio window, go to app settings in the menu.



② Toolbox

Icon	Tool	Description
	Teeth Movements Data	Check the values of the teeth movements after simulation.
	Sculpting	Sculpt data using tools to add, remove, morph or smooth its parts.

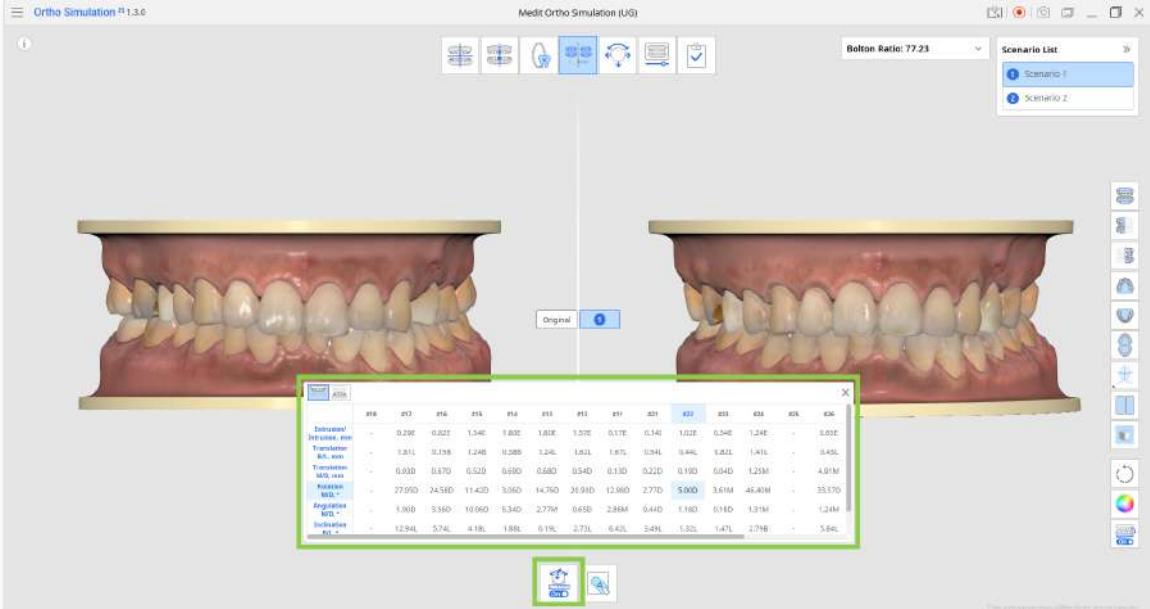
Teeth Movements Data

The Teeth Movements Data table displays the values of all teeth movements after the simulation, allowing the user to check the feasibility of the created scenario. It is also helpful when reviewing the movement of the teeth after extraction.



By referring to the teeth movement data you can consult the patient on orthodontic treatment.

- Review data for the teeth of both jaws by choosing maxilla or mandible icons at the top of the chart.
- You can copy data from the table by using Ctrl+C/ Cmd+C. To select the data, click and drag the cursor over the cells you want to copy.



The screenshot shows the Ortho Simulation software interface. At the top, there is a menu bar and a toolbar. The main area displays a 3D model of a human jaw with teeth. A data table is overlaid on the model, showing the following data:

	#18	#17	#16	#15	#14	#13	#12	#11	#10	#9	#8	#7	#6	#5
Delinquency	-	0.290	0.821	1.348	1.802	1.818	1.572	0.172	0.140	1.022	0.348	1.242	-	0.832
Inclination	-	1.811	0.158	1.248	0.288	1.248	1.821	1.875	0.391	0.846	0.821	1.471	-	0.451
Translation	-	0.030	0.170	0.520	0.680	0.580	0.540	0.130	0.210	0.190	0.040	1.231	-	4.911
Rotation	-	27.050	24.510	11.420	3.060	14.760	26.910	12.960	2.710	5.000	3.611	45.811	-	35.170
MDL *	-	3.900	3.580	10.060	5.340	2.750	0.650	2.884	0.440	1.180	0.180	1.311	-	1.211
Angular	-	12.841	5.741	4.181	1.881	0.191	2.711	0.421	0.421	1.321	1.471	2.711	-	5.841
MDL *	-												-	



When exported at the Complete stage, Teeth Movement Data is saved as an .xls file.

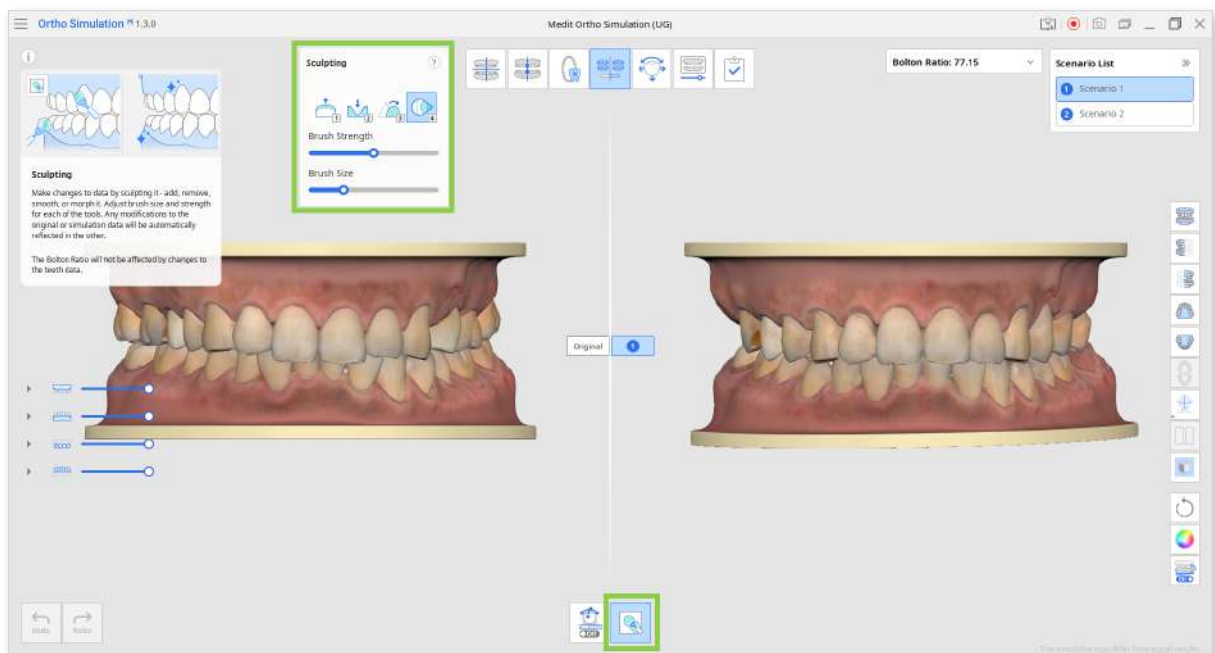
Sculpting

The sculpting tool allows making changes to both teeth and gingiva data by adding, removing, smoothing, or morphing the data. Any sculpting done in either the original or simulation data is immediately reflected in the other.

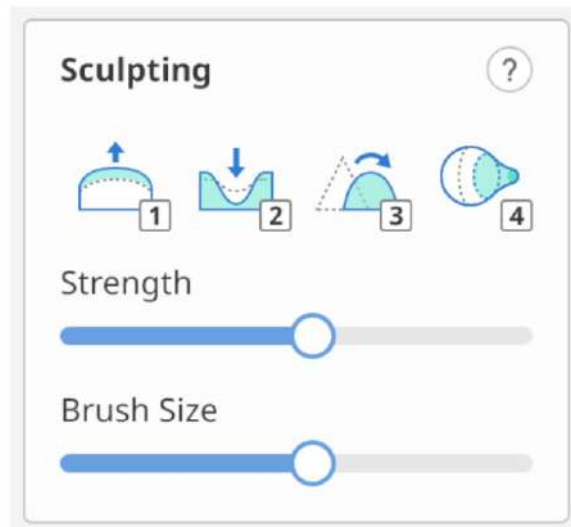
This feature can help you make small edits or corrections to the data if any is needed.



The Bolton Ratio is not affected by changes to the teeth data.



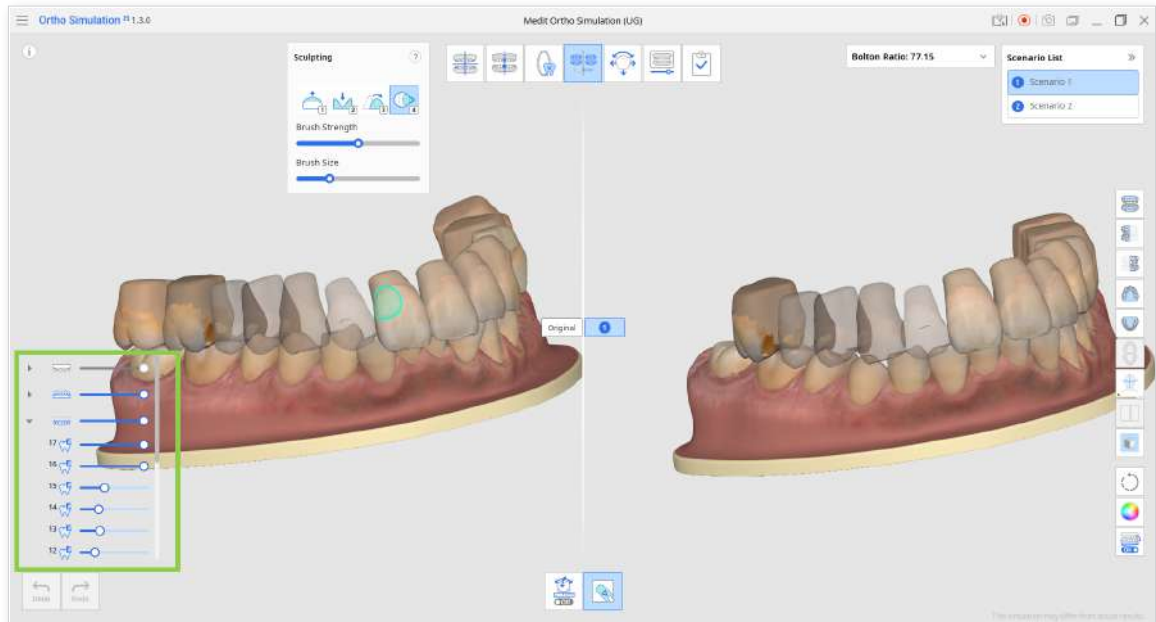
- In the sculpting toolbox, you can adjust the strength and size of the brush. Click each tool option to utilize it or use the following hotkeys for quick access to each action: 1 Add/ 2 Remove/ 3 Smooth/ 4 Morph.



Add	1	Add	1
Remove	2	Remove	2
Smooth	3	Smooth	3
Morph	4	Morph	4
Extra Strength	1 / 2 + Alt	Extra Strength	1 / 2 + ⌘
Flatten	3 + Alt	Flatten	3 + ⌘
Morph in View Direction	4 + Alt	Morph in View Direction	4 + ⌘
<hr/>			
Brush Strength	Alt +	Brush Strength	⌘ +
Brush Size	Ctrl +	Brush Size	⌘ +

<Sculpting shortcuts for Windows and macOS.>

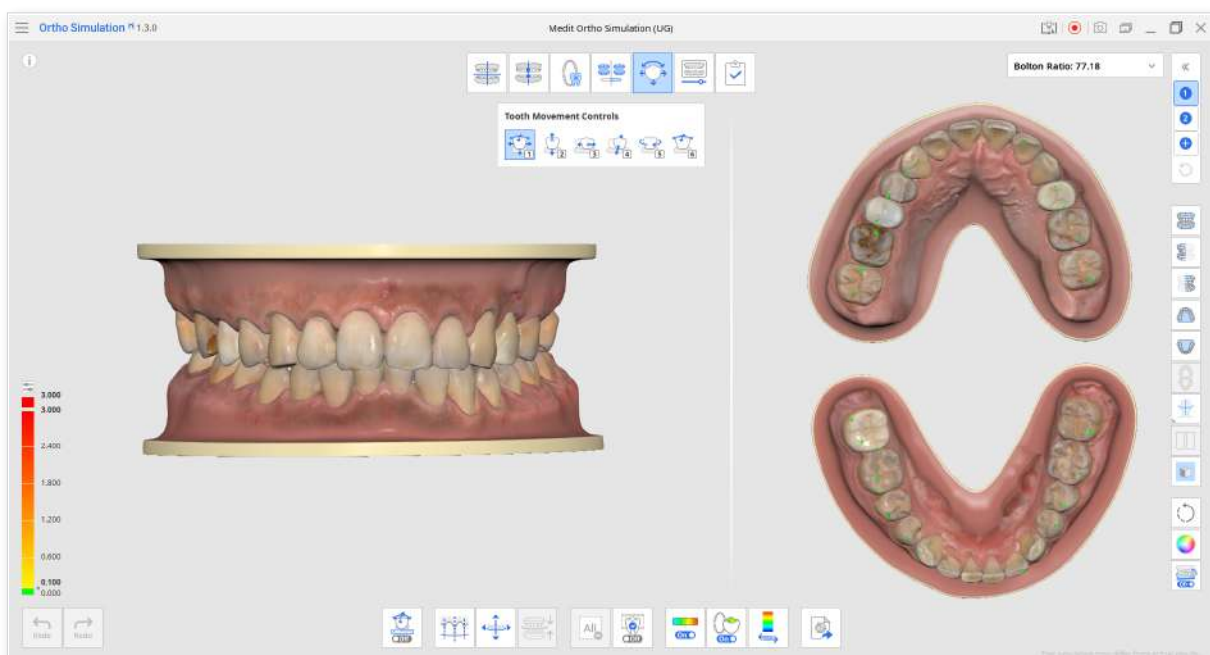
- To have more control over what data is being sculpted, hide gingiva or teeth data in the Data Tree by clicking it. You can also change transparency of the data by adjusting the slider. The Data Tree is only visible when using Sculpting.



Advanced Adjustments

In this stage you can modify the position of each tooth and edit (add or delete) teeth movement scenarios.

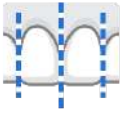


This stage also provides Export to Medit Link feature, that allows for exporting model in the current state of progress.



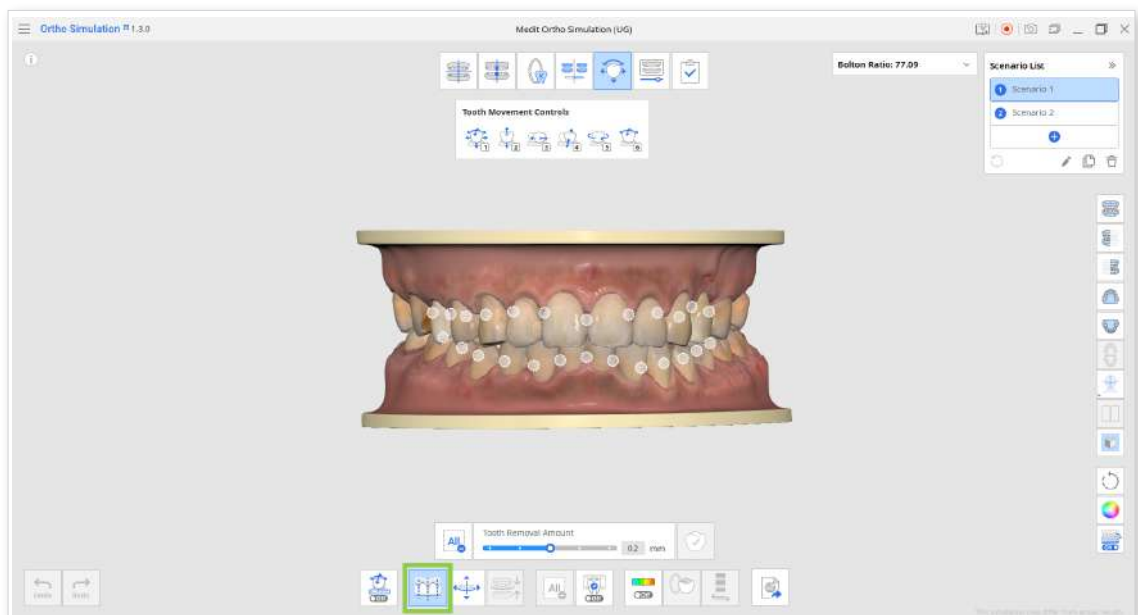
Preview IPR

Find the Preview IPR icon in the Toolbox to set tooth removal amount in mm and then get a preview of the interproximal reduction.

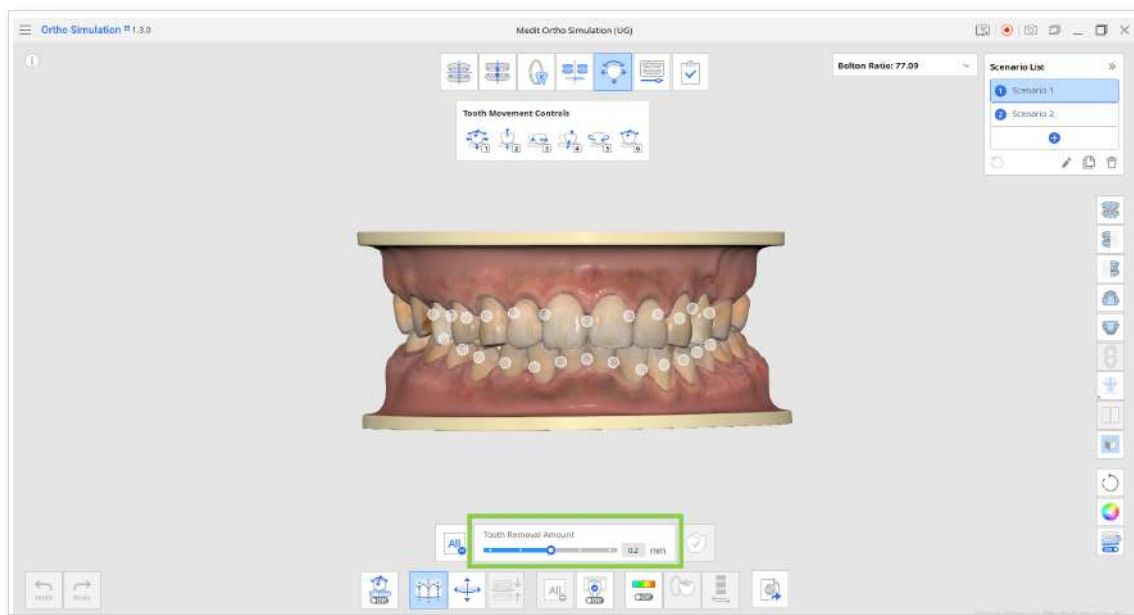
Toolbox

Icon	Tool	Description
	Preview IPR	Set the tooth removal amount (mm) and preview the results.
	Deselect All	Remove all selections.
	Apply	Apply and save the changes.

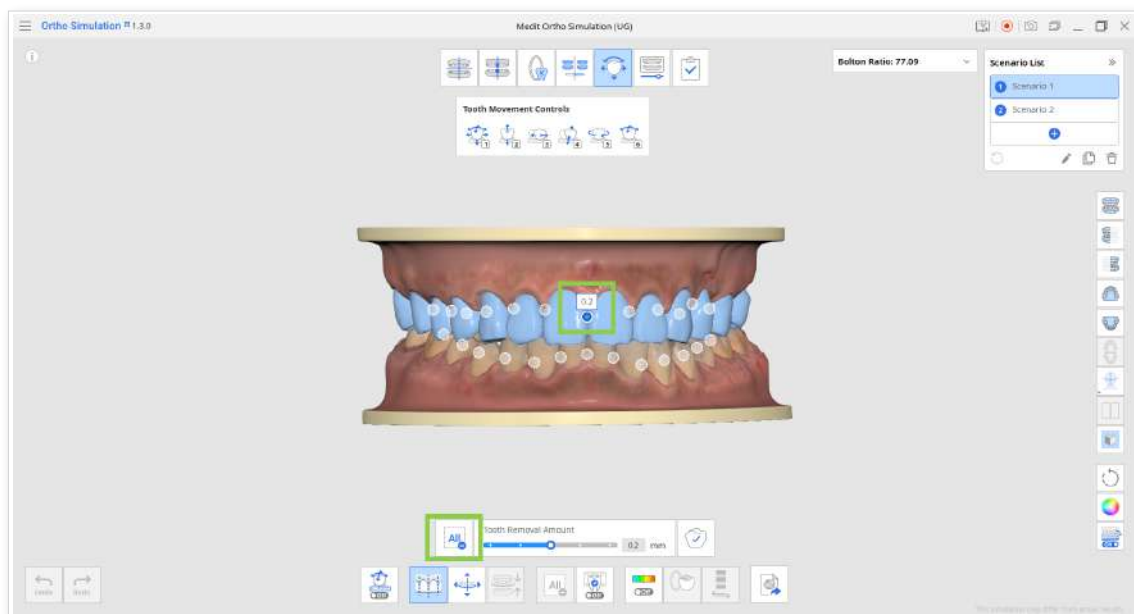
- Click the icon to preview how the teeth would look like after interproximal reduction.



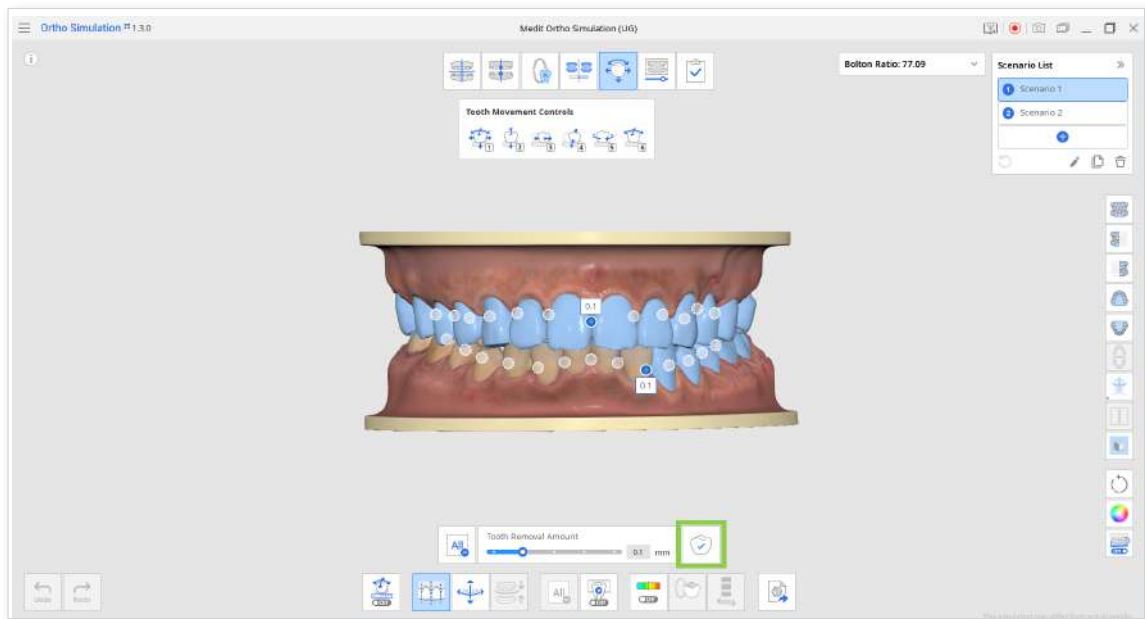
- ② Set the tooth removal amount (mm) using the slider.



- ③ Designate what interproximal area you would like to remove by clicking the dot between the teeth. Click it again to deselect, or use Deselect All to remove all selections.





- ④ When finished, don't forget to click "Apply" to save changes.



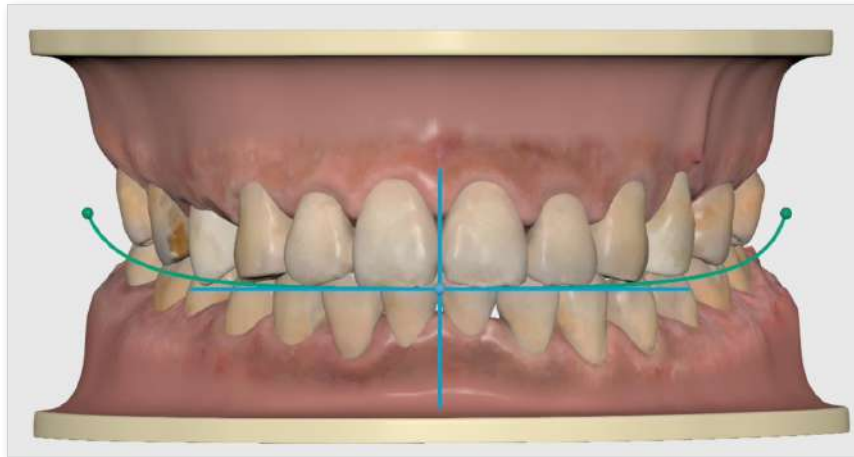
Working with Guidelines

You can work with guidelines by adjusting them and aligning the model to match them.

Toolbox

Icon	Tool	Description
	Adjust Guidelines	Adjust the guidelines.
	Align to Guidelines	Automatically adjust the model so that it fits to the guidelines.


- ① Use the “Adjust Guidelines” function to move the position of guidelines.



- ② If needed, use the “Align to Guidelines” tool that will automatically make the model fit the new guidelines.

Adjusting Teeth Position

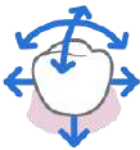


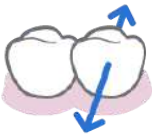


- ① Select a scenario where you would like to make additional changes to the position of the teeth.
- ② Using Tooth Movement Controls drag and move the teeth in various directions within an allowed range.

 If you move the tooth out of the allowed range, it will be extracted (displayed in orange).





- ③ You can move teeth as a group by selecting several of them with a left click.
When multiple teeth are selected, they will not be extracted even if you move them out of the allowed range. Use Deselect All tool from the Toolbox when done.

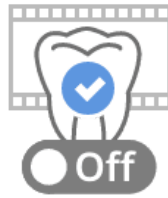
Tooth Movement Controls

Icon	Tool	Description
	Move Freely (1)	Move the tooth freely without any constraints. Press and hold "Ctrl/Cmd" to rotate in any direction
	Move along Occlusal Direction (2)	Move the tooth along occlusal direction.
	Move along Mesial/Distal Direction (3)	Move the tooth along mesial/distal direction.
	Move along Lingual/Buccal Direction (4)	Move the tooth along lingual/buccal direction.
	Rotate around Occlusal Direction (5)	Rotate the tooth around occlusal direction.
	Rotate around Lingual/Buccal or Mesial/Distal Direction (6)	Rotate the tooth around occlusal direction.

Toolbox

	Deselect All	Cancels the selection of all teeth.
	Selected Simulation	Shows the simulation of selected teeth and allows you to move them.

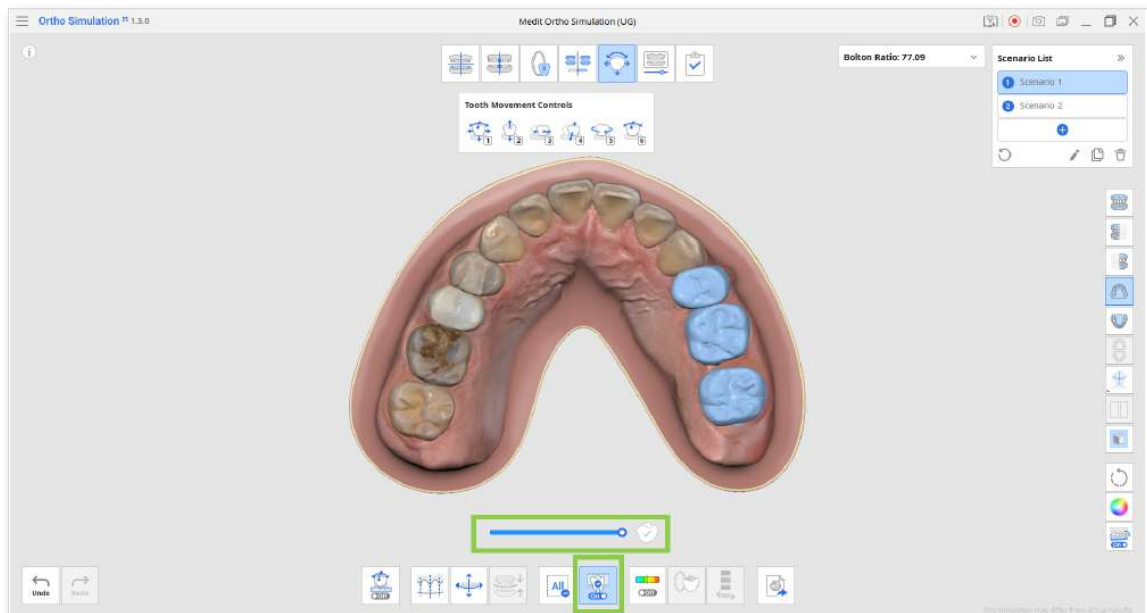
- ④ Using the Selected Simulation feature you can see the simulation for a specific tooth and adjust its position based on the simulation.
- ⑤ Left-click one or more teeth and turn on “Selected Simulation.”



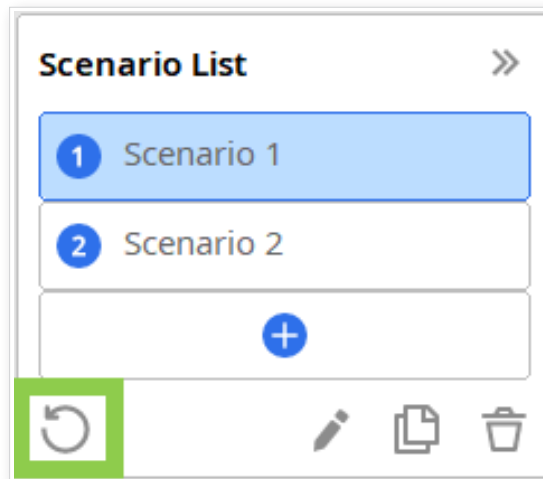
- ⑥ Check how the position changes from the original to the current by moving the slider. If you want to reset the position of the selected tooth to the current one from the simulation, click “Apply.”





This function is useful when you want to track the changes of each tooth or move the tooth/teeth during the middle of the scenario.



- ⑦ To reset any changes made in this stage click “Reset” on the Scenario List.



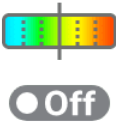

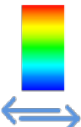
 You can freely move between the scenarios and adjust the teeth position.

 Go back to the previous stage to see the comparison between all scenarios and the original model.

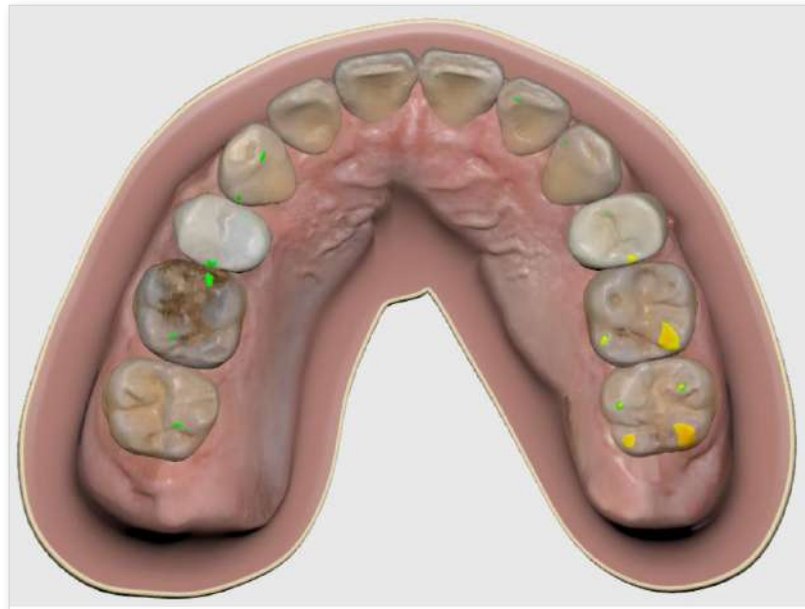
Adjusting Teeth Position While Referencing the Occlusion

You can adjust the position of each tooth while referencing the occlusion deviation scale.

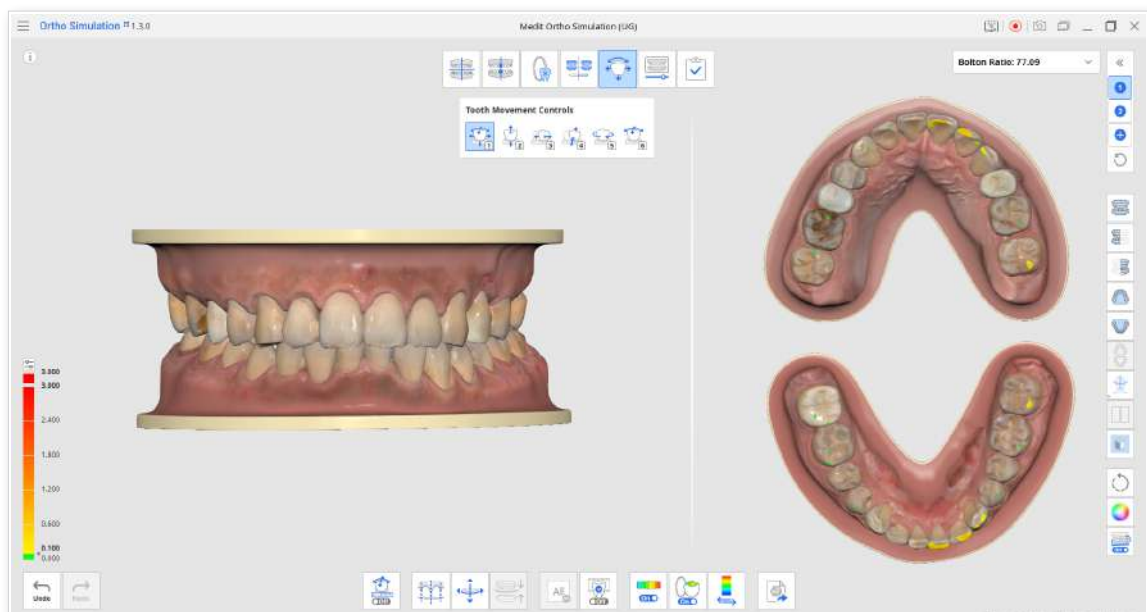
Toolbox

Icon	Tool	Description
	Show/Hide Occlusal Intersection	When turned on, shows the occlusion intersection.
	Occlusion Multi-View	Adjust the position of each tooth while observing the changes in occlusion deviation on the right.
	Switch Deviation Display Area	Switch the deviation display scale between all data and contact area only.

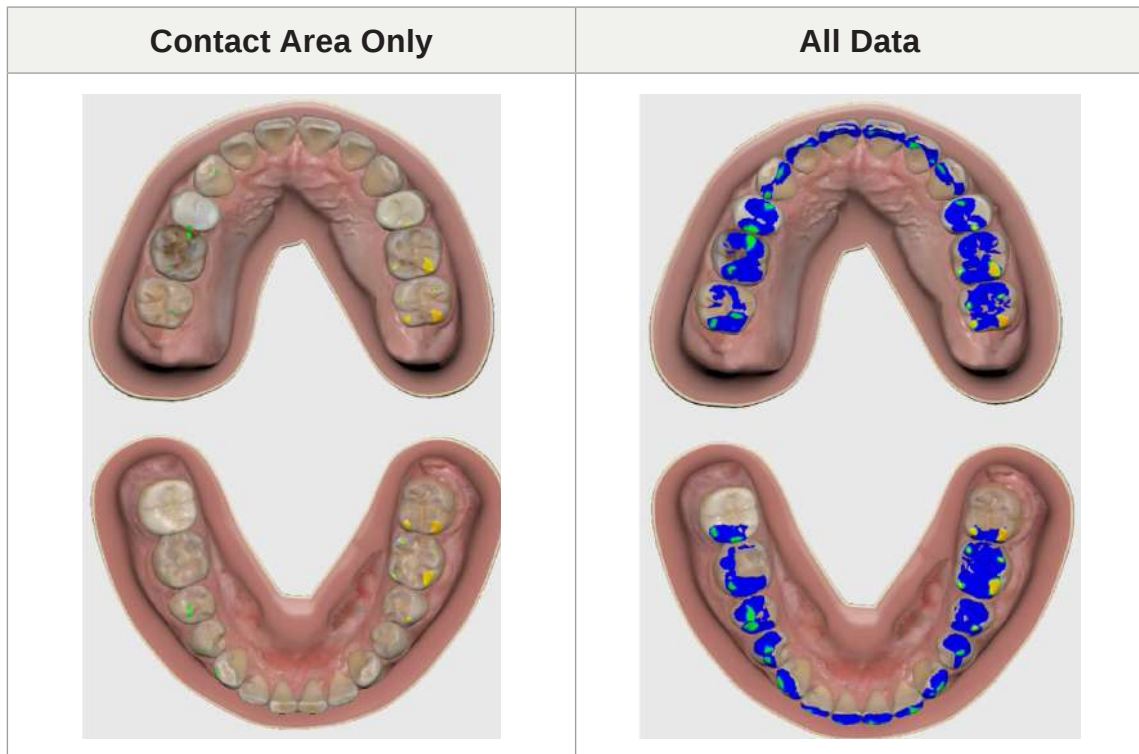
- ① Click “Show/Hide Occlusal Intersection” to reference the occlusion intersection.
- ② Choose “Maxilla View” or “Mandible View” on the Side Bar on the right to view the deviation results.
- ③ The deviation occlusion data will be updated in real-time as you move the position of the teeth.



- ④ Click “Occlusion Multi-View” to see the model in frontal view and reference the occlusion deviation simultaneously.
- ⑤ You will see deviation changed on the right side as you change the position of the teeth on the left.

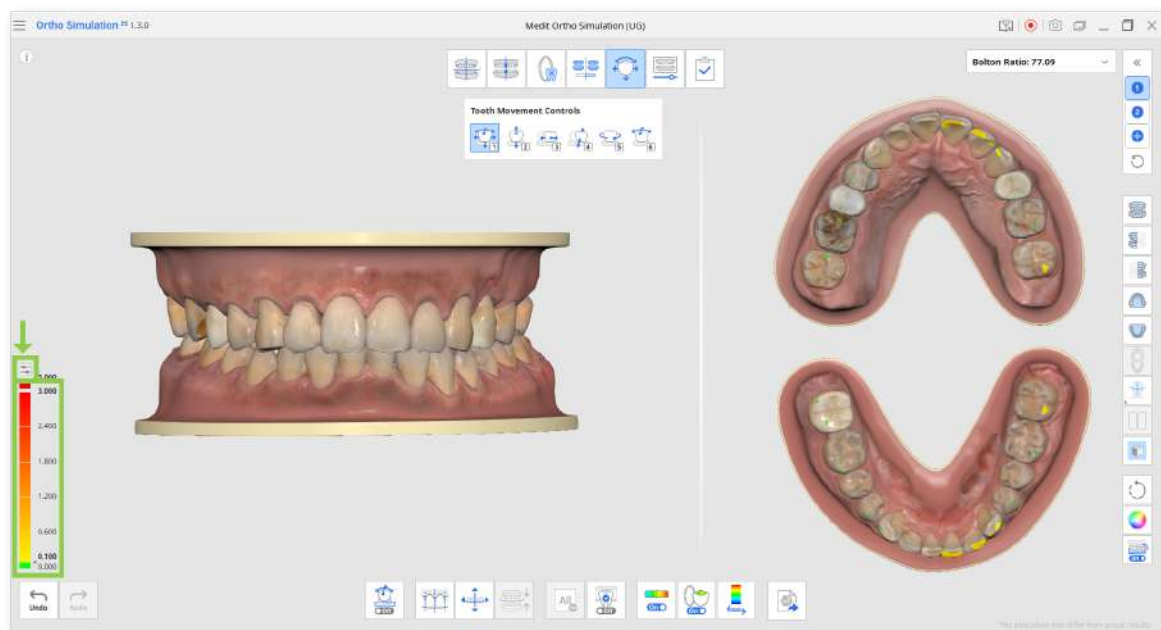


- ⑥ Click “Switch Deviation Display Area” to change the deviation display scale from contact area only to all data.



Note that you can adjust the deviation scale of the color bar on the right by clicking on the numbers in bold.

You can adjust the resolution of the color bar by clicking on the icon located above it.

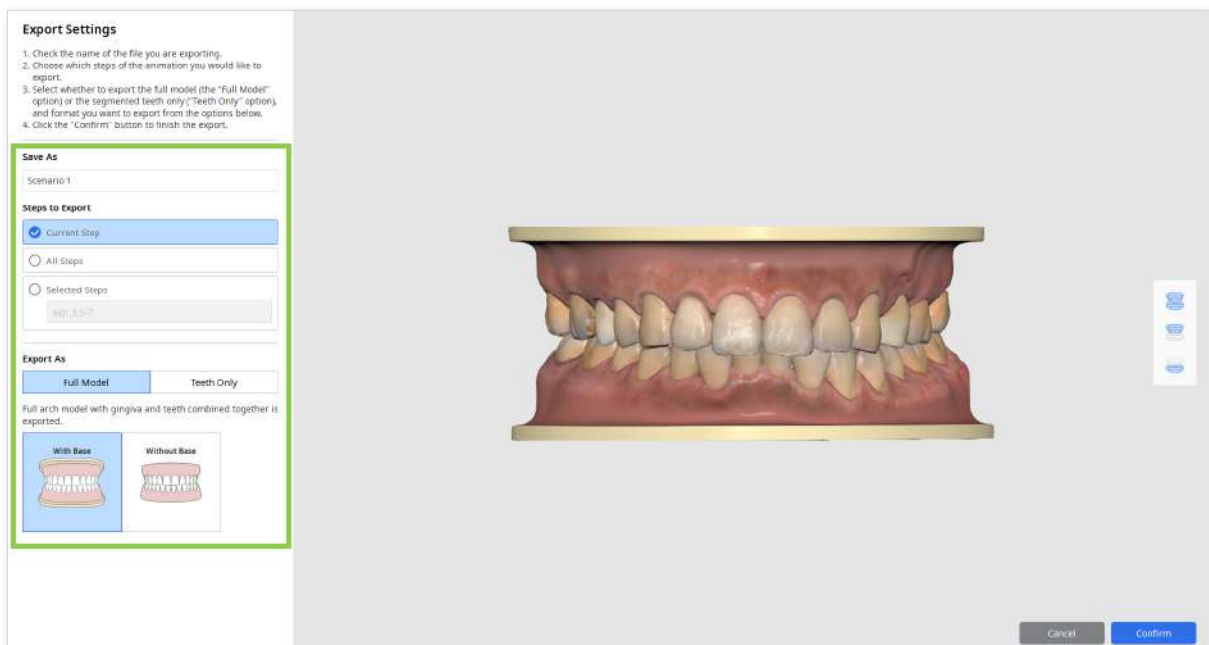


Exporting to Medit Link

Using the last feature in the Toolbox you can export and save the simulation data to the Medit Link case.



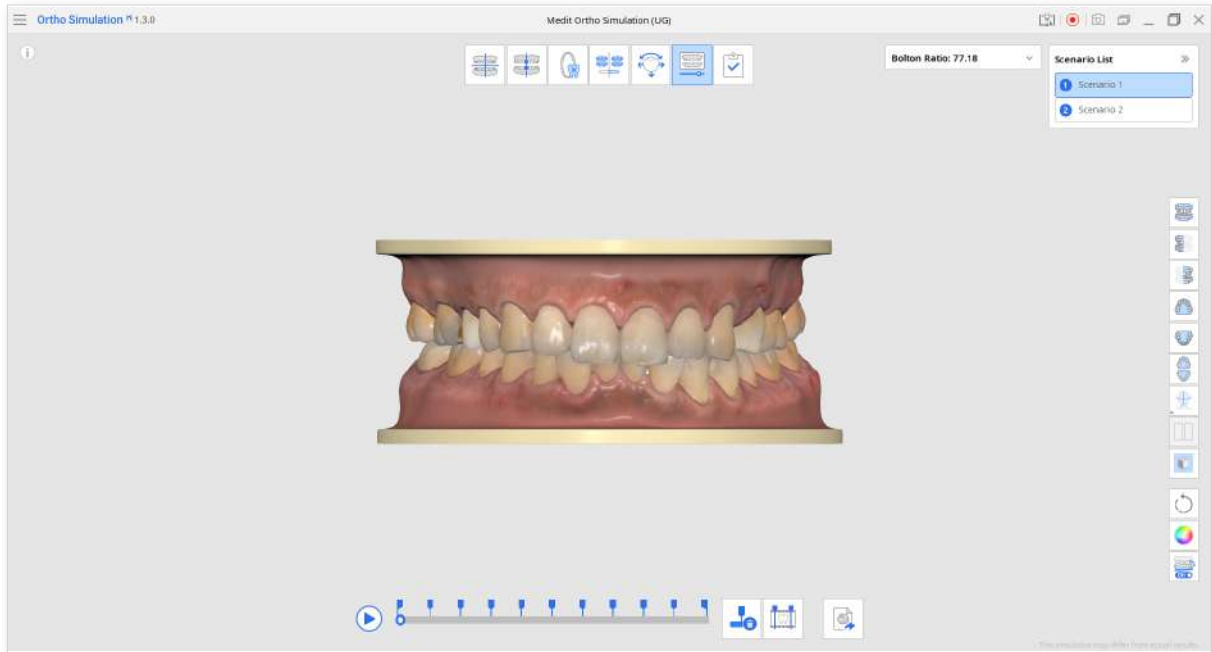
This feature allows you to customize your export data. Choose the file name, the steps to export, and the export method in the Export Settings window. You will be able to choose between exporting all steps or specific steps, exporting data with or without a base, and exporting the full model or just the teeth.






Animation View

View the animated transformation of the model's before and after.

You can export the simulation data from this stage via Export to Medit Link. The data export is customizable in the Export Settings window.



Toolbox

Icon	Tool	Description
	Delete all Pins	Delete all pins.
	Split Animation into Steps	Divide the animation into several steps. Pins will be automatically created based on the set number.
	Export to Medit Link	Export the maxilla, mandible, or each of the segmented teeth as separate files to Medit Link.

- ① Choose a scenario from Scenario List in the top right corner to play the animated teeth movement.

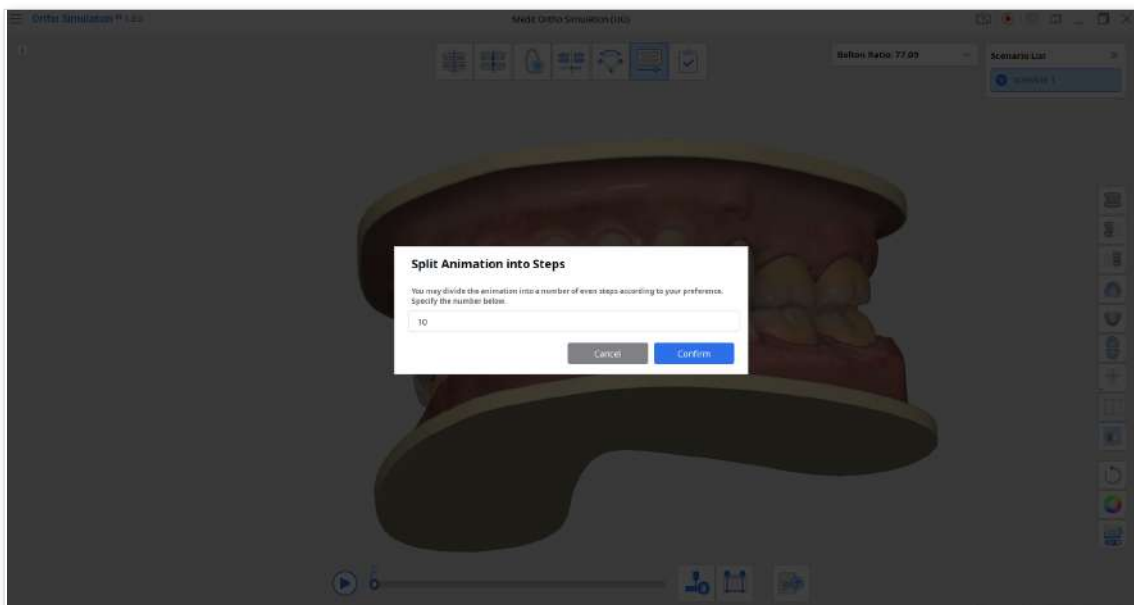
You can left-click on the scan data at any point of the animation to see the original model.

In Side Toolbar, try switching view options to watch the animation from different angles or use Show/Hide Reference Data to view the animation together with face data.

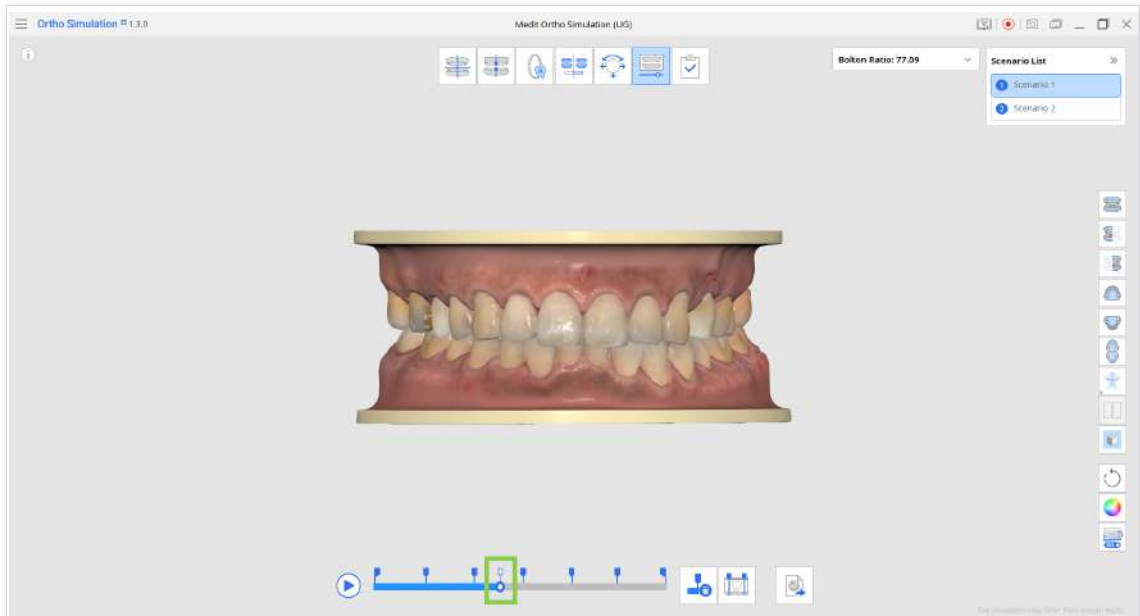
- ② Click “Split Animation into Steps” to automatically divide the animation into several steps.



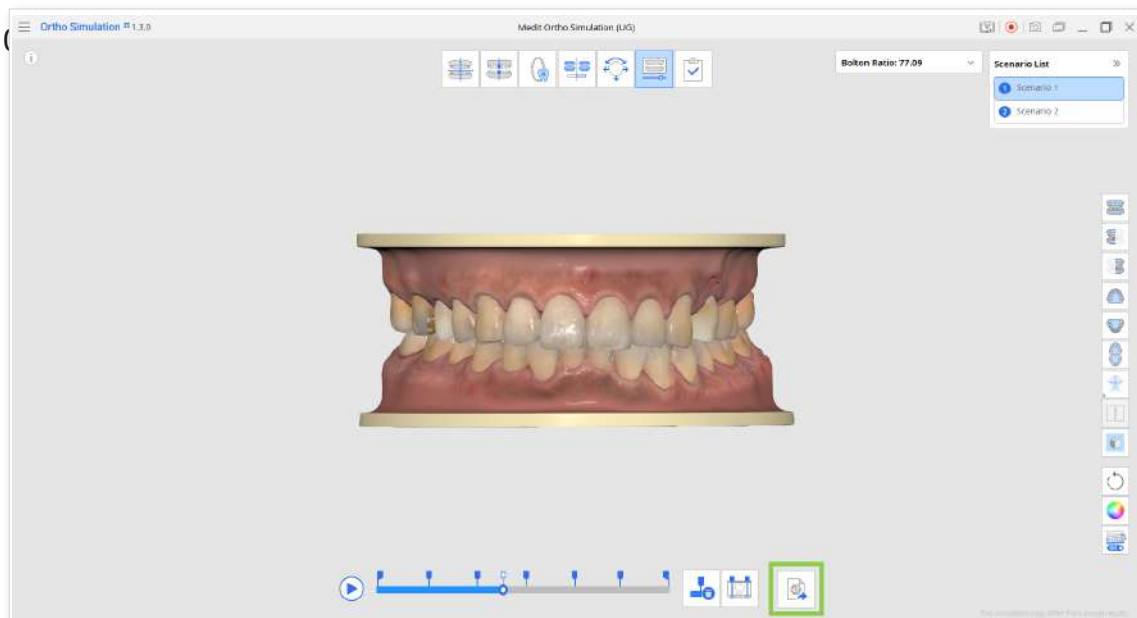
The animation can be divided up to 20 steps.



- ③ You can also divide animation into steps manually or add steps to automatically created ones by clicking



- ④ Click “Export to Medit Link” to adjust export settings and and export model in the current state to Medit Link.



This feature allows you to customize your export data. Choose the file name, the steps to export, and the export method in the Export Settings window.

You will be able to choose between exporting all steps or specific steps, exporting data with or without a base, and exporting the full model or just the teeth.




Complete

Save the project and make capture images for the simulation.


- ① After clicking “Complete” you will be asked to choose for which scenario you want to create capture images.

Save to Medit Link

Select one or more simulation scenario results to create capture images. They will be saved in the Medit Link case together with animation.



Scenario 1



Scenario 2

Patient Information

Select the information you want to include in the Ortho Simulation Report.

Patient	Case
<input type="checkbox"/> ID	<input checked="" type="checkbox"/> Name
<input checked="" type="checkbox"/> Name	<input checked="" type="checkbox"/> Scanned Date
<input type="checkbox"/> Birth Date	<input checked="" type="checkbox"/> Report Created On
<input type="checkbox"/> Include Facial Data	<input checked="" type="checkbox"/> Teeth Movements Data

Select All

CancelConfirm

- ② Select one or more scenarios to create capture images and choose what information must be included in the Ortho Simulation Report.
- ③ Click “Confirm” when done and the application will close.
- ④ The captured images for the selected scenarios will be saved to the Medit Link case alongside the project file and animation video.