



Quick start guide

Explore the possibilities with smile simulation on Clarity™ Portal

Smile simulation in Clarity Portal is here — take a look into the possibilities of treating with Clarity™ Aligners, Clarity™ Digital Bonding or Filtek™ Matrix.

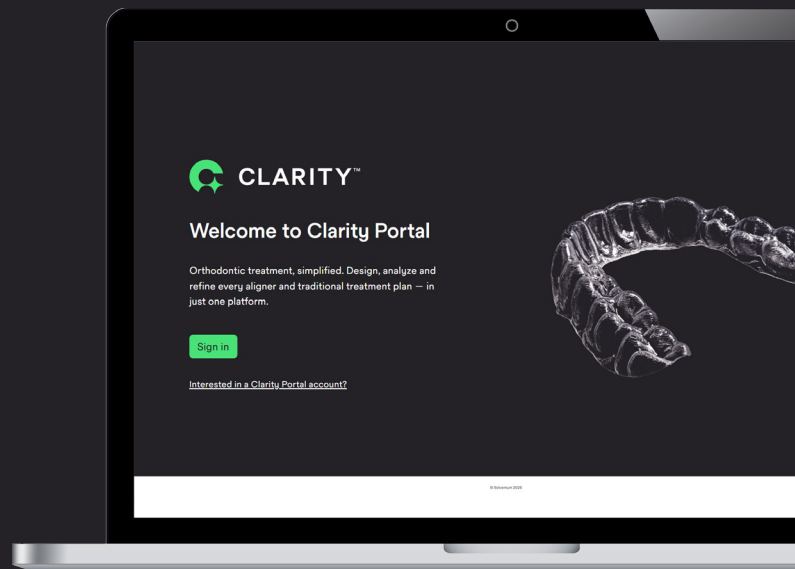
Get started by simply uploading a patient photo into your Clarity Portal account.

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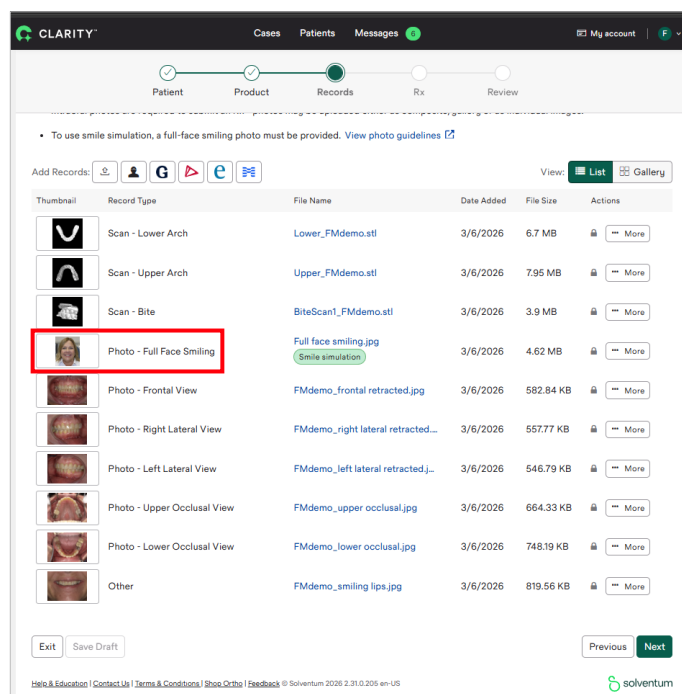
01 Instructions to generate smile simulations with your Rx

Smile simulation will be generated when a quality full face smiling photo is included in the order for the following products:

- Filtek™ Matrix
- Clarity™ Aligners
- Clarity™ Digital Bonding

1. Upload a qualifying full-face smiling photo with Rx submission

1. When submitting a new order, upload a full-face smiling photo along with the other required records.



Though multiple full-face smiling photos can be uploaded, only one photo can be designated as the smile simulation image. You may indicate which one you would like to use for the simulation by clicking the “**use for smile simulation**” button.

Thumbnail	Record Type	File Name	Date Added	File Size	Actions
	Photo - Full Face Smiling	Image1.jpg Smile simulation	11/25/2025	8.44 MB	Edit More
	Photo - Full Face Smiling	Image2.jpg Use for smile simulation	11/25/2025	1.51 MB	Edit More
	Photo - Full Face Smiling	Image3.jpg Use for smile simulation	11/25/2025	128.64 KB	Edit More

Your photos' quality will be assessed, and a visual indicator will be assigned. The visual indicator assigned will be **green**, **yellow**, or **red**, representing highest to lowest photo quality. **Gray** indicates that no quality assessment is available. If the photo is rated as anything other than green, a warning icon appears. Hovering over the icon provides you with additional details.

Smile simulation	Smile simulation	Smile simulation	Smile simulation
	Image2.jpg This photo may not provide the best results, but smile simulation will still be available. View photo guidelines	Image3.jpg This photo does not meet requirements. Smile simulation will not be available. View photo guidelines	R-Image7 (1).jpg Photo quality check failed. Click to try again.

You cannot select photos rated **red** unless they are the only full-face smiling photo available in the patient record.



Photo - Full Face Smiling

Y-Image2.jpg

+ Use for smile simulation

If a quality check is unsuccessful, the user can manually initiate it using the “**Retry photo quality check**” button.



Photo - Full Face Smiling

R-Image7 (1).jpg

Retry photo quality check

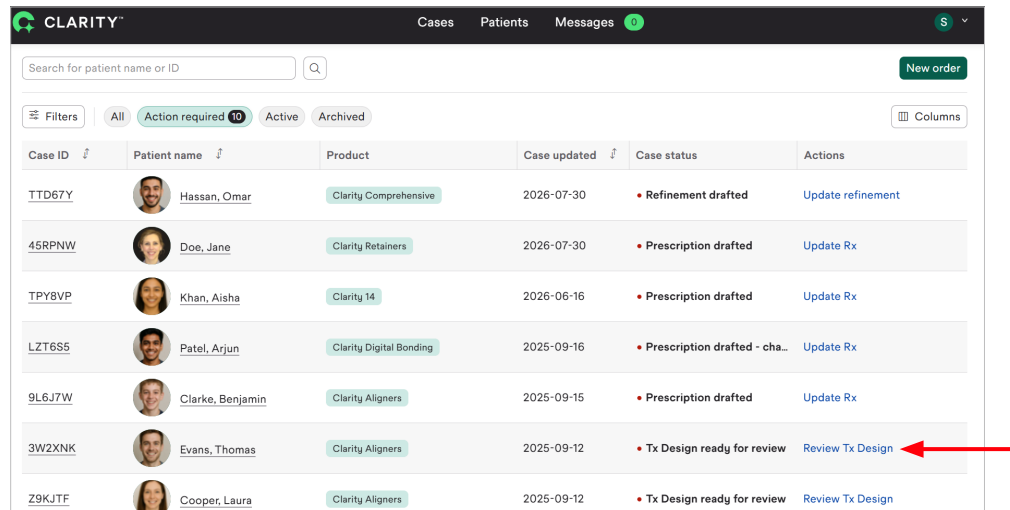
+ Use for smile simulation

You can select or upload a different smile simulation photo at any time within patient records.

2. Access smile simulation in the Tx Designer when order is ready for review

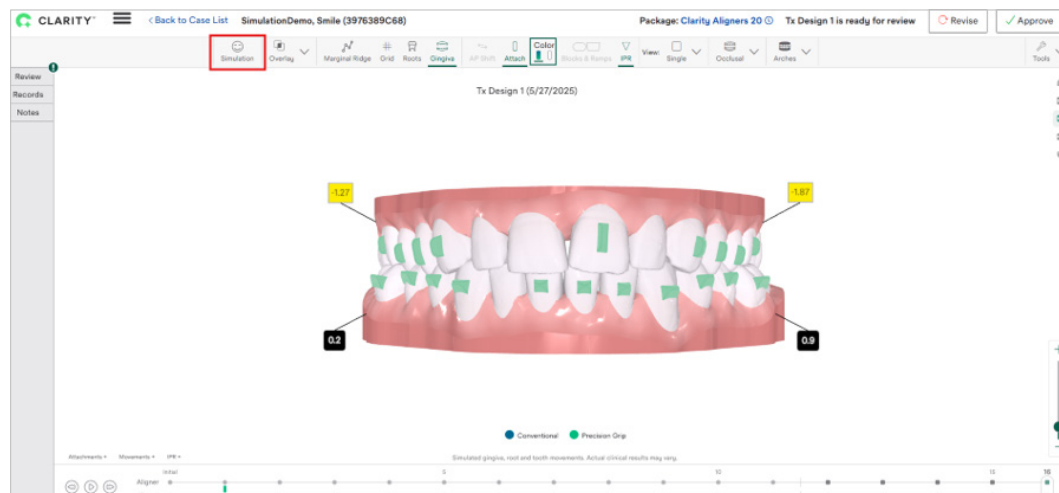
Once your order is submitted and a Tx Design is created, the smile simulation will be generated based on the submitted full-face photo and the final stage of treatment.

1. Navigate to the Tx Designer to review the simulation.



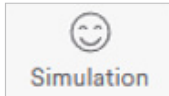
Case ID	Patient name	Product	Case updated	Case status	Actions
TTD67Y	Hassan, Omar	Clarity Comprehensive	2026-07-30	Refinement drafted	Update refinement
4SRPNW	Doe, Jane	Clarity Retainers	2026-07-30	Prescription drafted	Update Rx
TPY8VP	Khan, Aisha	Clarity 14	2026-06-16	Prescription drafted	Update Rx
LZT6S5	Patel, Arjun	Clarity Digital Bonding	2025-09-16	Prescription drafted - cha...	Update Rx
9L6J7W	Clarke, Benjamin	Clarity Aligners	2025-09-15	Prescription drafted	Update Rx
3W2XNK	Evans, Thomas	Clarity Aligners	2025-09-12	Tx Design ready for review	Review Tx Design
Z9KJTF	Cooper, Laura	Clarity Aligners	2025-09-12	Tx Design ready for review	Review Tx Design

2. When in the Tx Designer, select the “**Simulation**” button in the top left of the screen.

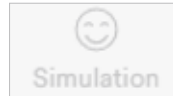


The “Simulation” button will be available in both “View” and “Revise” modes within Tx Designer. If no full-face smiling photo was provided or the selected photo is rated **red**, the simulation button will appear disabled.

Enabled:

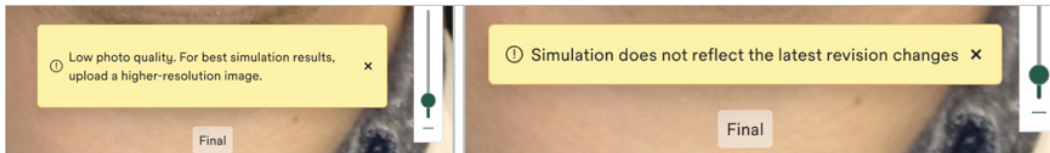


Disabled:

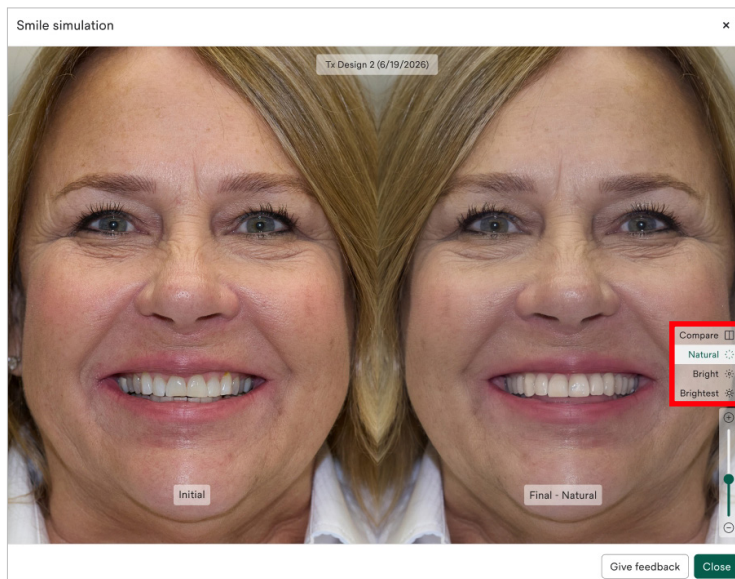


When selecting smile simulation, you will see a dual-image view: the selected smile simulation photo alongside the simulated post-treatment smile for the current Tx Design.

Note: The simulated image does not reflect any changes made in “Revise” mode. A notification banner will indicate this, and if the selected photo is rated **yellow**, the banner will also include a low-quality warning. Any revisions to the Tx Design will appear once the case is returned with a new Tx Design from our technicians.



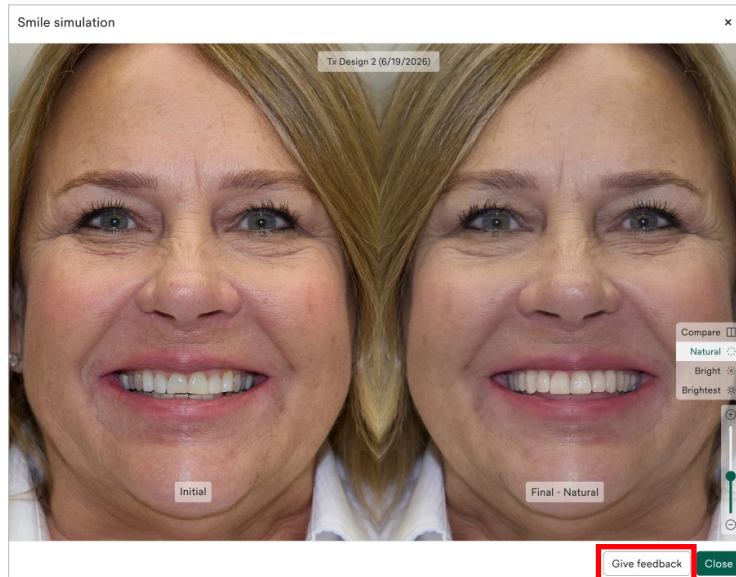
You can pan and zoom as needed for a closer view.



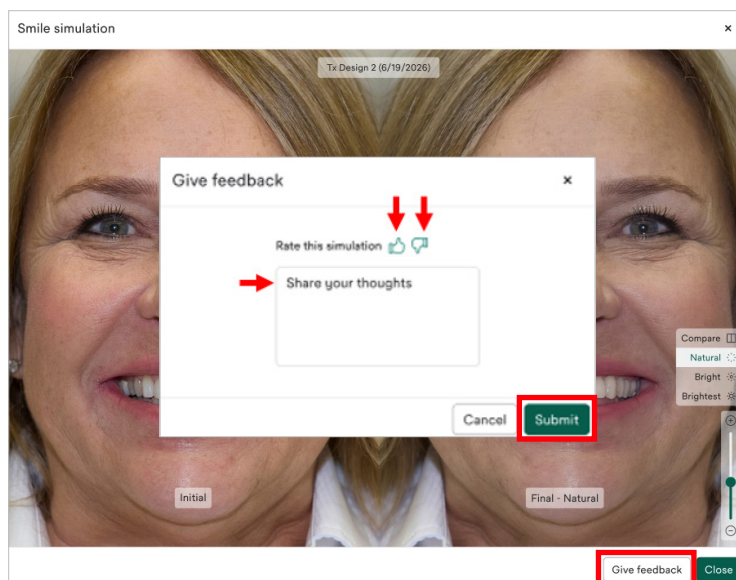
Note: Smile simulation users can now enhance smile brightness when reviewing a smile simulation.

3. Providing feedback on the smile simulation

1. Clicking the **“Give feedback”** button provides critical feedback for our team to enable improvement of simulation quality for future submissions.



2. Use the **“thumbs up”** or **“thumbs down”** button to give feedback for the simulation, and include specific observations and suggestions to help improve the simulation quality in the open text box. When you’ve completed your feedback, click **“Submit.”**



02 Device and image upload guidelines

A. Device guidelines

Both dedicated cameras (e.g. DSLR digital cameras) and modern smartphones are able to capture high quality images sufficient for smile simulations. If using a mobile phone, set image capture to 20MP or higher for optimal clarity.

For best results, ensure your camera is set to portrait mode and that there is sufficient light to generate high quality images. Uploading full resolution photos increases the data available to generate a high quality simulation of the treatment plan.

Setting your device to portrait mode

For best results, ensure your camera is set to portrait mode. The steps to locate this setting are shown below for both DSLR cameras and smartphones.

DSLR digital camera

Slide the dial to the head icon to enable “**portrait**” mode.

Smartphone camera

Open the camera app and slide left on the camera modes (above the shutter button) to select “**portrait**”.

External flash considerations

External flash is essential in dental photography, as it enables consistently sharp, well-exposed, and standardized images that support effective treatment planning. Below are some examples appropriate for DSLR digital cameras.

DSLR digital camera flash option



Minimum checklist

Considerations	Do not submit if any of the following are present
Patient and expression ☐ Full smile – full display of teeth ☐ Removable appliances out ☐ Jaw in neutral position (no protrusion) Head and eyes ☐ Full face visible (forehead to chin) ☐ Frankfort plane parallel to the floor, facing camera (no tilt/rotation) ☐ Eyes open, looking forward Framing and camera ☐ Camera at eye level ☐ Do not capture from the shoulders down for best resolution ☐ Photo includes entire face (not mouth only) ☐ Capture in portrait mode for the best photo quality Lighting and background ☐ Even, bright lighting (no shadows on lips/teeth) ☐ Neutral, plain background (white/light gray) ☐ Hair away from face and cheeks	➖ Angled image ➖ Blurred image ➖ Image is too distant (includes shoulders/excessive background) ➖ Uneven lighting or facial shadows ➖ Limited teeth/gingival display (unless smiling as wide as possible) ➖ Jaw postured forward ➖ Mouth is wide open ➖ Wearing aligners or braces ➖ Cheek retractors present

B. Image upload guidelines

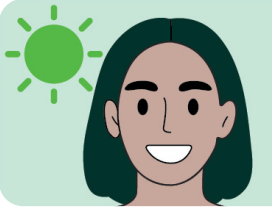
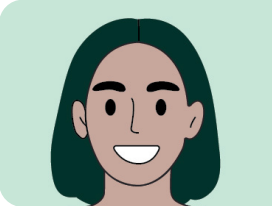
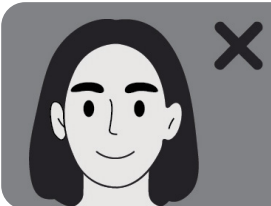
Full-face smile photo best practices

Device setup considerations

Preferred device: A digital camera provides the best results, but a mobile phone camera is acceptable.

Resolution: If using a phone, set image capture to 20MP or higher for optimal clarity.

Best practices for image capture

Lighting		Use natural or soft, even lighting		Avoid lighting that creates shadows
Background		Choose a plain, single colored background		Avoid background distractions
Positioning		Stand upright and take photo at eye level		Avoid tilting your head
Framing		Make sure entire face fills at least half of the frame		Avoid too much empty space
Expression		Smile naturally and fully		Avoid a partial smile

Additional tips

- If additional lighting is used, ring lights or diffuse flash is recommended. Too much flash can over expose the teeth and distort color.
- Check the image for clarity before uploading—ensure no blurriness or pixilation.
- For the most accurate smile simulation, upload the original, unedited photo directly from your camera. Avoid compressed images from third-party practice management systems.
- If possible, take multiple shots and choose the best one.



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