

How do I acquire a high-quality scan on my CIRRUS HD-OCT? (Part 2 of 3 – fundus alignment)

ZEISS Quick Help: CIRRUS™ HD-OCT

Acquiring a good-quality scan on a CIRRUS HD-OCT is a 3-part process, which includes iris alignment, fundus alignment and OCT alignment that results in a final scan. This document demonstrates **Part 2: How to obtain a high-quality fundus alignment.**

Before continuing on with the capture of an OCT image, it's a good idea to review the content of the **Acquire Screen** (Figure 1). The following example shows a Macular Cube 512x128 scan.

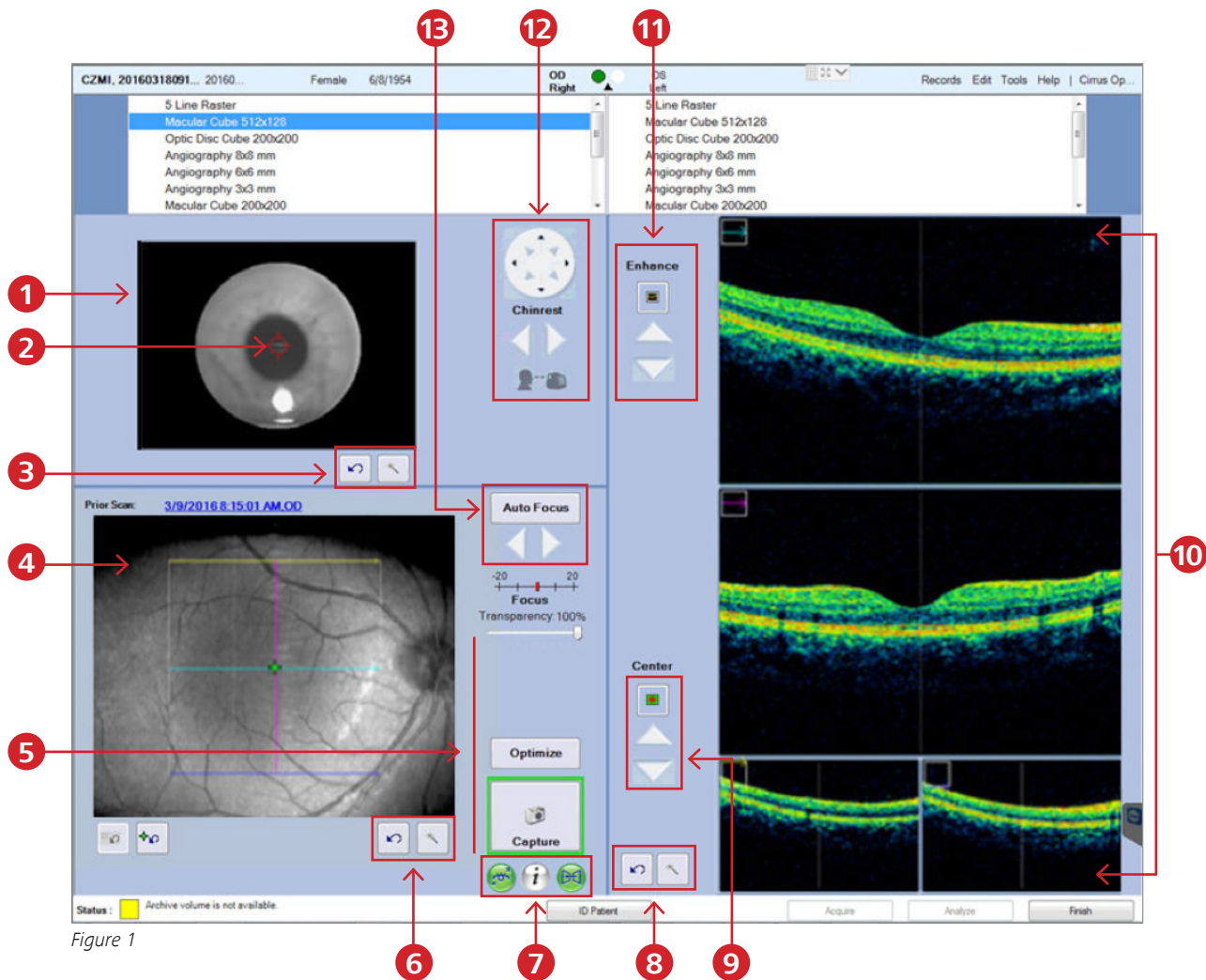


Figure 1

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. Iris viewport 2. Iris viewport center of interest indicator 3. Reset chinrest position button and Magic Wand button 4. Fundus viewport 5. Optimize button 6. Reset fundus focus button and Magic Wand button 7. FastTrac buttons | <ol style="list-style-type: none"> 8. Reset center button and Magic Wand button 9. Auto and manual center controls for B-scans 10. B-scan viewports 11. Auto and manual B-scan enhancement 12. Chinrest controls 13. Auto focus and manual diopter adjustment |
|---|---|

Focus the Fundus image

1. To focus the fundus image, you can use the **Auto Focus** button or adjust manually (*Figure 1, #13*). The focus should be sharp and clear, preferably with good visibility of the branching blood vessels.
2. Center the scan overlay on the fovea for macular scans or on the optic nerve head for optic disc scans.
3. Ensure uniform illumination without dark corners within the scan overlay box.

Tips

- Floaters may often be moved by having the patient shift their eyes around prior to image capture.
 - Corneal opacities may be minimized by realignment of the pupil.
4. If the fundus image is not bright and crisp (too dark), click on the **Magic Wand** tool below the fundus screen. A pop-up window containing fundus image controls for brightness and contrast will appear inside the fundus viewport (*Figure 2*). Adjust the brightness and contrast manually. Click on **Auto B/C** (Auto Brightness/Contrast) to automatically adjust the fundus image to the optimal brightness and contrast settings.

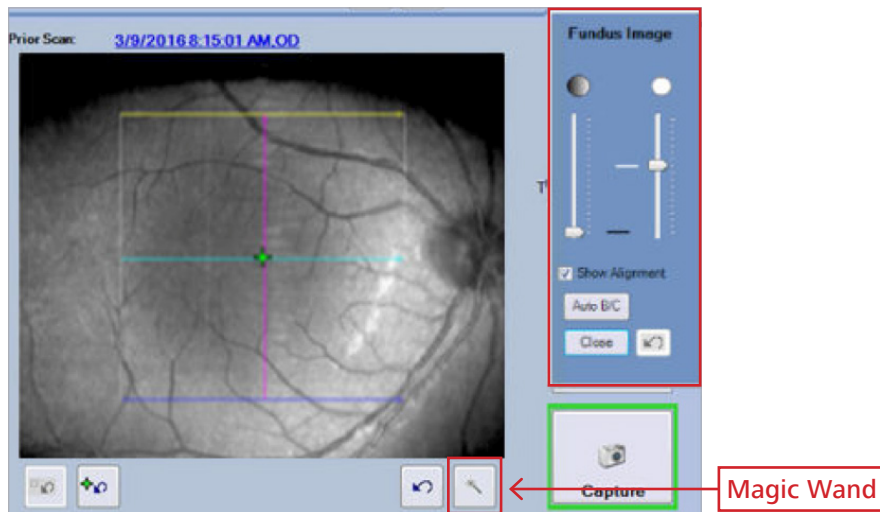


Figure 2

This concludes how to obtain a high-quality fundus alignment. To complete the final step, see *How to acquire a high-quality scan on your CIRRUS HD-OCT (Part 3 of 3)*.

Refer to the CIRRUS HD-OCT user manual *Instructions for Use* for safe and effective operation of the instrument.