Image Acquisition: Autofluorescence

Acquiring a BAF, GAF, or BAF+GAF Image

For blue autofluorescence (BAF) and green autofluorescence (GAF) imaging, pupil dilation is recommended to optimize image quality. Autofluorescence should be performed before fluorescein or indocyanine green angiography.

1 Start the camera via the touch panel or the acquisition window .

2 Set the filter wheel on the camera head to position **A** (BAF) or to position **S** (GAF, BAF+GAF) and select the IR modality for camera alignment.

3 Slowly move the camera head towards the patient's eye and position the clinically relevant area at the center of the image. Align the camera so that the IR image is evenly illuminated on all sides.



4 Focus the IR image so that the fine blood vessels are sharp, then adjust the focused image by –0.50 to –1.00 D.

5 For BAF imaging, select **BAF** in the acquisition window or press **FA** on the touch panel.
For GAF or simultaneous BAF+GAF imaging, select **GAF** or **BAF+GAF** in the acquisition window.

6 For systems with touch panel, adjust the power of the **blue** laser, if needed, to avoid overexposure (default **100%**; options **75%**, **50%**, or **25%**).

7 The image may initially appear dark. Activate the eye tracking with a long press of the joystick button or by pressing on the touch panel.

8 As soon as the ART Mean has reached the number of frames at which the image quality does not improve further, acquire the image with a short press of the joystick button or by pressing **ACQUIRE** on the touch panel.

9 Press Esc on the keyboard to exit the examination. Images are saved automatically.



i Systems with touch panel: If manual image brightness control is set as default, adjust the image brightness by turning . If automatic image brightness control is set as default and manual image brightness should be adjusted temporarily, press **More** and then **Manual** in the **Image Brightness** section.



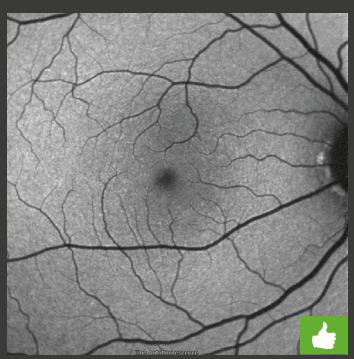




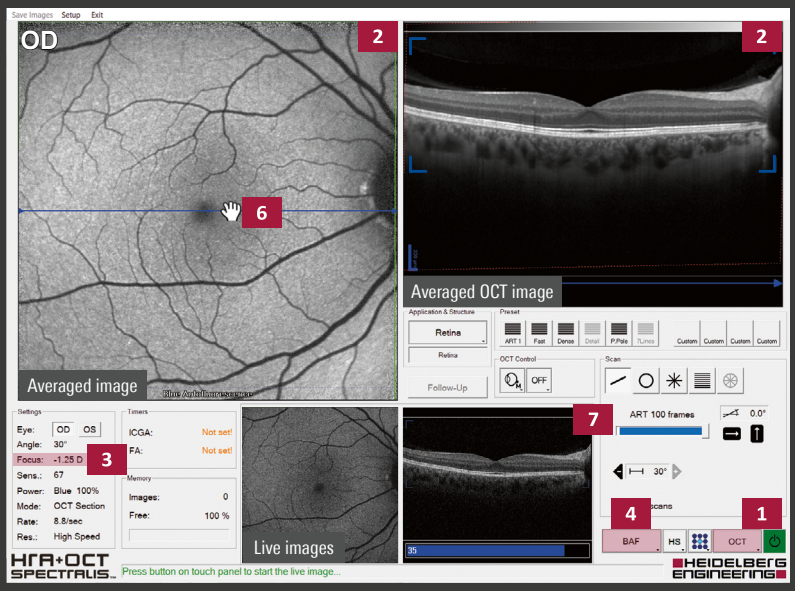
Image Acquisition: Autofluorescence

Acquiring a BAF+OCT or GAF+OCT Image

1 Start the camera via ⏻, set the filter wheel to position **A** (BAF) or to position **S** (GAF) and select the **IR+OCT** modality on the touch panel or **IR** and **OCT** modalities in the acquisition window.

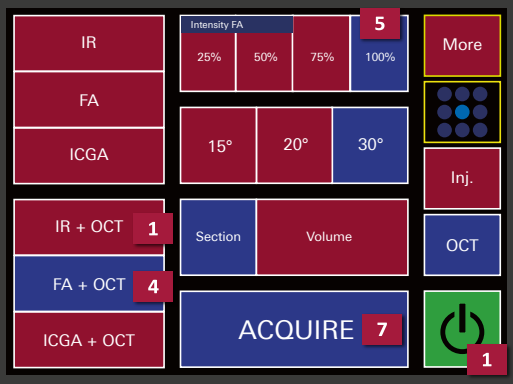
2 Align the camera so that the IR image is evenly illuminated on all sides and the OCT image is positioned in the Sweet Spot.

3 Focus the IR image so that the fine blood vessels are sharp, then adjust the focused image by –0.50 to –1.00 D.



4 For blue autofluorescence imaging, select **BAF** in the acquisition window or press **FA+OCT** on the touch panel.
For green autofluorescence imaging, select **GAF** in the acquisition window.

5 For systems with touch panel, adjust the power of the **blue** laser, if needed, to avoid overexposure (default **100%**; options **75%**, **50%**, or **25%**).



i Systems with touch panel: If manual image brightness control is set as default, adjust the image brightness by turning ⚫. If automatic image brightness control is set as default and manual image brightness should be adjusted temporarily, press **More** and then **Manual** in the **Image Brightness** section.

6 To reposition a scan pattern, activate the eye tracking with a long press of the joystick button or by pressing ⚫ on the touch panel, then drag and drop the scan pattern to the fovea or region of interest ✋.

7 ／ | LINE SCAN

With active eye tracking, wait until the ART Mean has reached 100 frames. During acquisition, watch the live image and readjust the camera if needed. Acquire the image with a short press of the joystick button or by pressing **ACQUIRE** on the touch panel.

▤ ✳ | VOLUME OR RADIAL SCAN

Acquire a volume or radial scan with a short press of the joystick button or by pressing **ACQUIRE** on the touch panel. During acquisition, watch the live image and readjust the camera if needed. The image acquisition stops automatically.

8 Press Esc on the keyboard to exit the examination. Images are saved automatically.

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