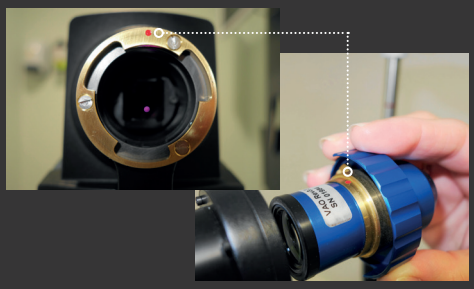
SPECTRALIS® SPIRIT

How-to Guide

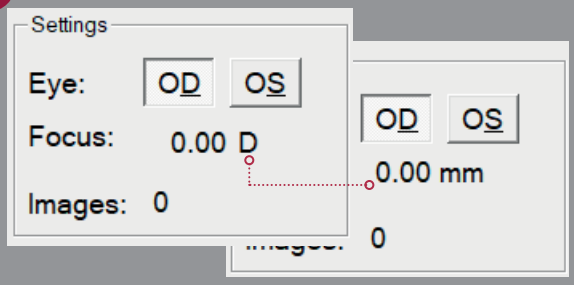
Exchanging Lenses: Fitting the Anterior Segment Module (ASM)

Turn the 30° SPECTRALIS standard lens about 50° counterclockwise and remove it.



Turn the focus knob to approximately +21 diopters and pull the camera backwards. Insert the ASM by aligning the red dots of the camera head and the ASM. Turn the ASM about 50° clockwise until it catches.

Acquisition: Preparation

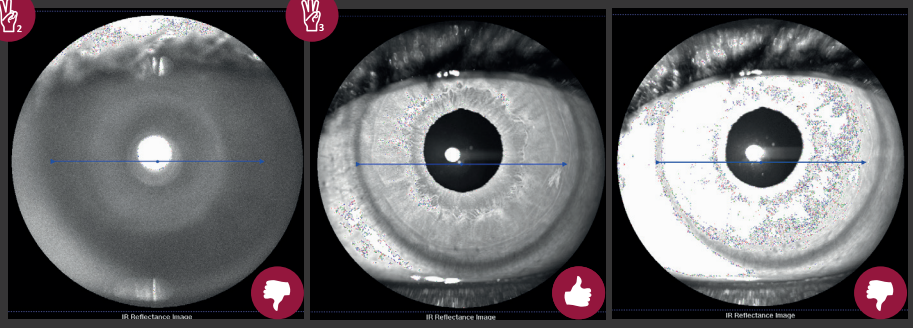


Once the Anterior Segment Module has been fitted, the focus setting "D" (diopters) changes to "mm" (millimetres).

Turn the focus knob until the "Focus" value is approximately "0.00 mm".

Do not turn the focus knob again after the initial adjustment to 0.00 mm. This may lead to a decline of the image quality.

Position the external fixation target approximately level with the "Heidelberg Engineering" logo on the camera head and in front of the eye which is opposite to the eye you are scanning.



Position the camera to center the bright spot and move the camera head slowly towards the patient's eye so that the infrared image is evenly illuminated.

The infrared image will be overexposed for a few seconds until the automatic brightness adjusts to the correct illumination.

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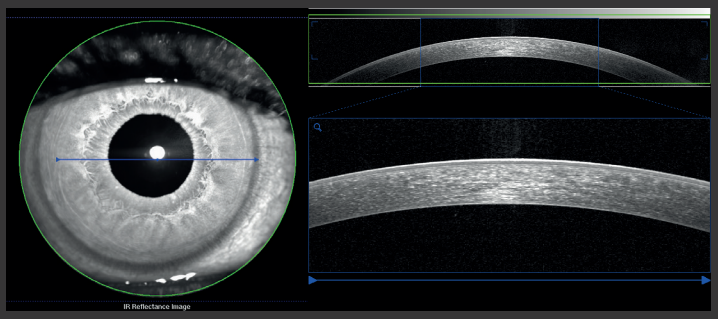
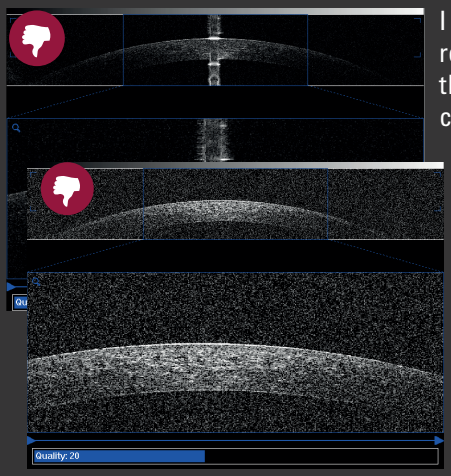
How-to Guide

Acquisition: Cornea





1. Move the camera slowly towards the patient's eye until the cornea OCT image is displayed in the Sweet Spot.
2. Press the joystick button for 2 seconds to activate the eyetracking. Wait for ART mean of 60.
3. When the quality of the image looks good, shortly press the joystick button.

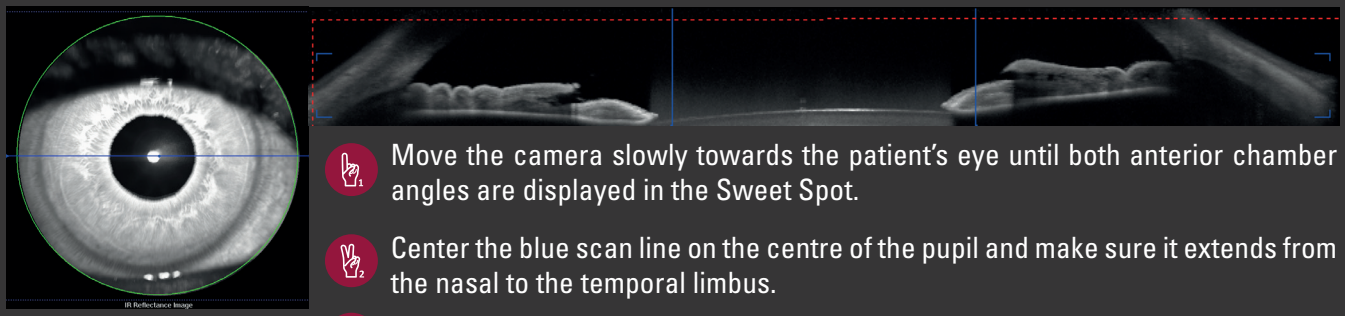
If the apex reflex is visible in the OCT image, click on the IR image to place the OCT scan just below the reflex.

If the camera is too far away from the patient's eye, the IR image will be out of focus and the OCT image would not be in the Sweet Spot.

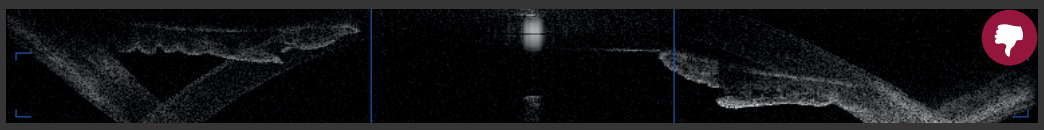
If the OCT image quality is good but the IR image is out of focus, click 

and change the anterior chamber depth.

Acquisition: Anterior Chamber Angles (ACA)



1. Move the camera slowly towards the patient's eye until both anterior chamber angles are displayed in the Sweet Spot.
2. Center the blue scan line on the centre of the pupil and make sure it extends from the nasal to the temporal limbus.
3. Press the joystick button for 2 seconds to activate the eyetracking.
4. When the quality of the image looks good, do a short press of the joystick button.



If the camera is too far away from the patient's eye, the IR image will be out of focus and the OCT image will be inverted.

If the OCT scan is pivoted, subtly move the patient's fixation horizontally using the fixation target until the image is level.