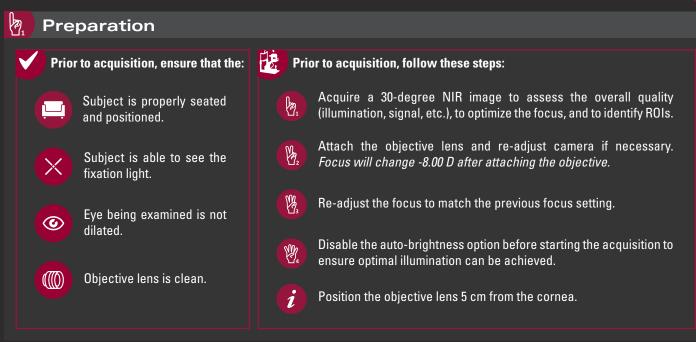
High Magnification Module (HMM)



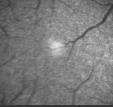


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Challenges and Remedies

((()) Focus adjustment

may vary depending on the curved fundus: some areas may be in focus while others are out of focus.



- Check the fine adjustments of the joystick and focusing knob.
- Use artificial tears to improve media clarity.

When a mosaic of bright circular features (possibly photoreceptors) appears, the focus is optimized for visualization of outer retinal structures. From this point, with a focus shift of -0.5 D, fine stripes within the inner retina (possibly RNFL bundles) may be visualized.



Lens accommodation

may change the image quality acutely in the absence of focus changes.

- Wait a few seconds so that accommodation stabilizes.
- Use external fixation to minimize accommodation if necessary.

Depending on each of these factors and the quality of the ocular optics of the patient, high feature contrast in each area of interest may not be achievable.

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Larger pupils

may lead to more optical aberrations. Optimal imaging is possible with pupils that are ~1.5 mm in diameter.



High refractive error and/or astigmatism

are susceptible to image blur and distortions due to focus changes.

- Illuminate the fellow eye using an external light in order to decrease the optical aberrations by reducing the pupil size.
- Images acquired with spectacles or contact lenses could improve image quality, especially in cases of significant astigmatism.

High Magnification Module (HMM)



🦉 Image Analysis

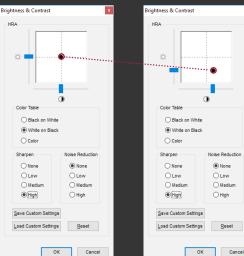
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Review the original images

Zoom in to better assess the microstructures.

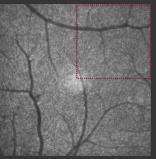
"Brig

- "Brightness & Contrast"
- Sharpness set to "Low-Medium-High" may increase the contrast of features of interest.
- Noise reduction should remain on default ("None") as adjustments of this option may lead to blurring of the image.
- A minor decrease of brightness and increase of contrast may increase the contrast of features of interest.

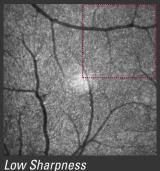


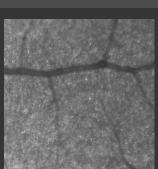
Original image

ok cancel Individual brightness and contrast setting

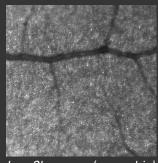


Original image





Original image (zoomed-in)



Low Sharpness (zoomed-in)



Original image



Individual brightness and contrast setting



Image Export

"Export as picture"

After making changes in the image contrast brightness dialog, please make sure to press "OK" to apply all changes. After this, exported images have the setting applied.

