

# OSCAR-MP: Quality Control for OCT Angiography

Training set (v1)

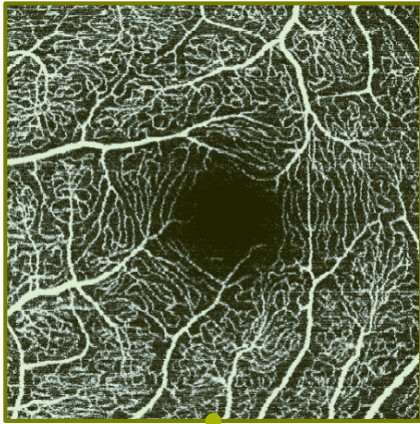
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November 2022

## Training Set

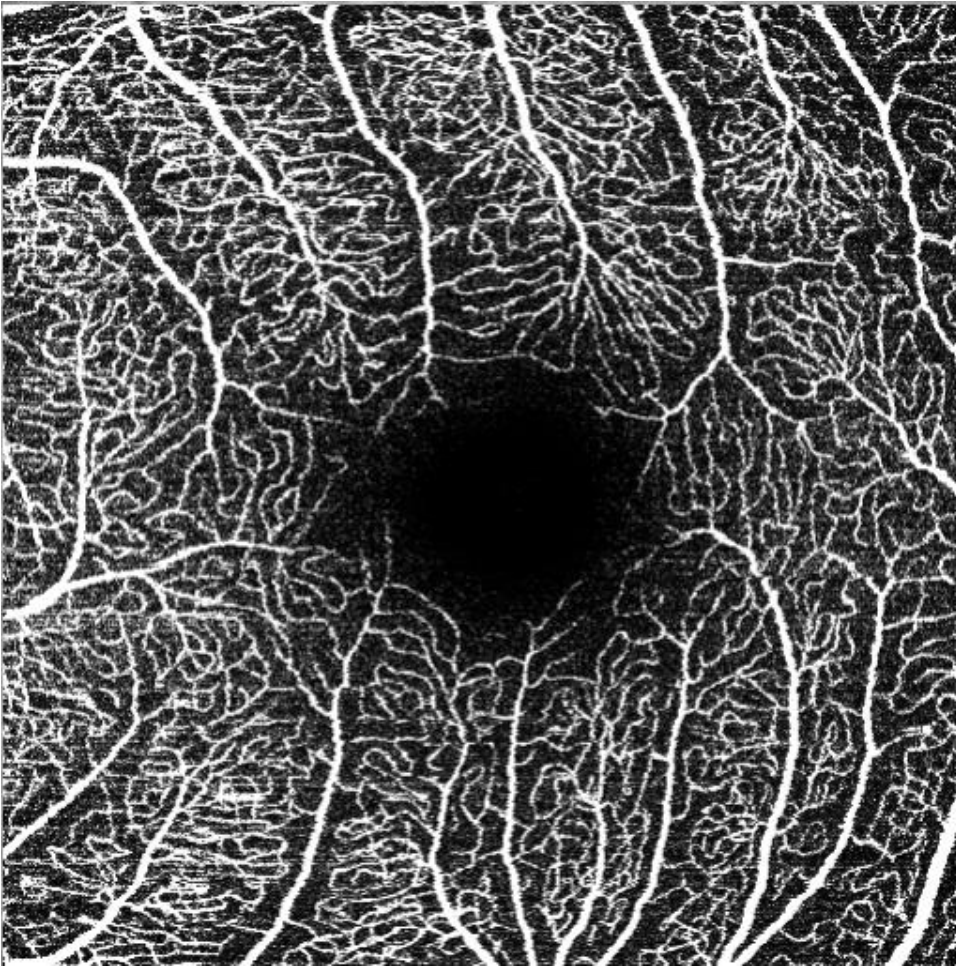
### OSCAR-MP criteria

- Please read the scoring guide OSCAR-MP: Quality Control for OCT Angiography before performing the training set
- The OCT-A images are derived from a Heidelberg Engineering OCT2 with angio module. Here, a Q value of  $\geq 30$  is considered as sufficient
- For the current OCT-A training set, please consider the whole en face image as region of interest (ROI)



ROI = macular OCT-A image

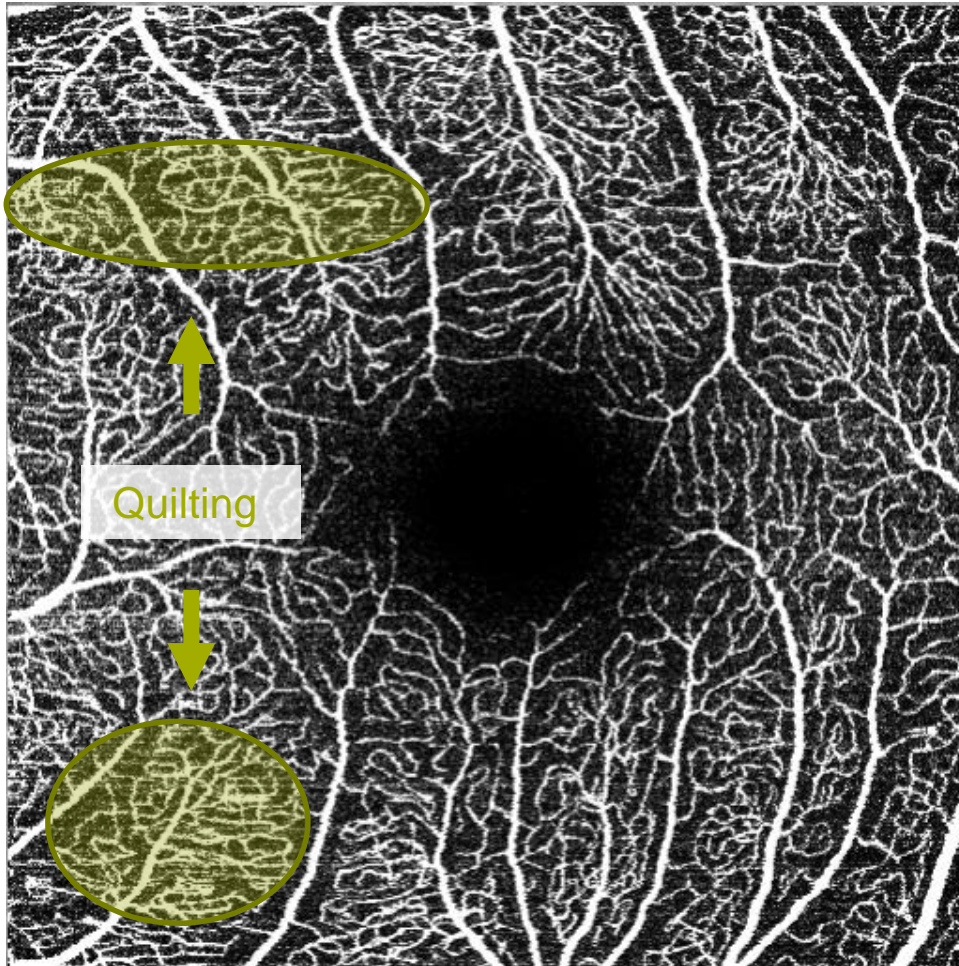
## Example 1



Q value 39



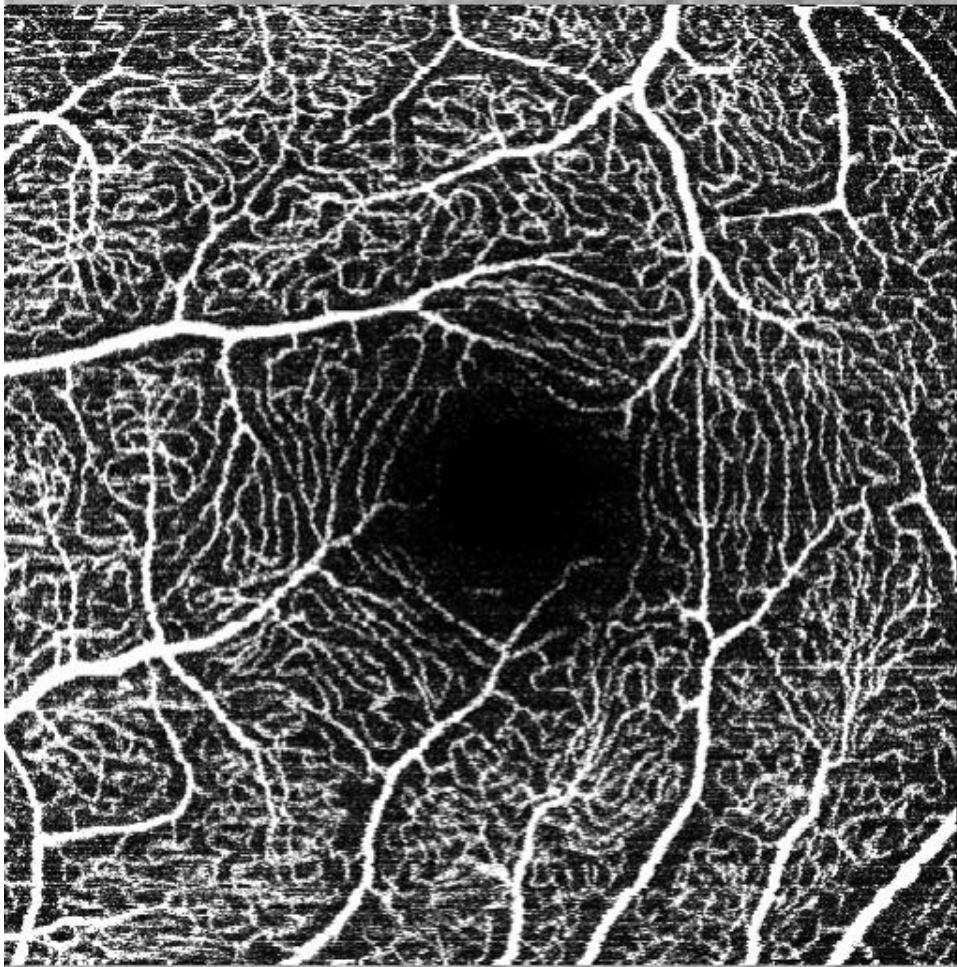
## Example 1: QC passed



Q value 39

O:	✓
S:	✓
C:	✓
A:	✓
R:	✓
M:	≤25%
P:	✓

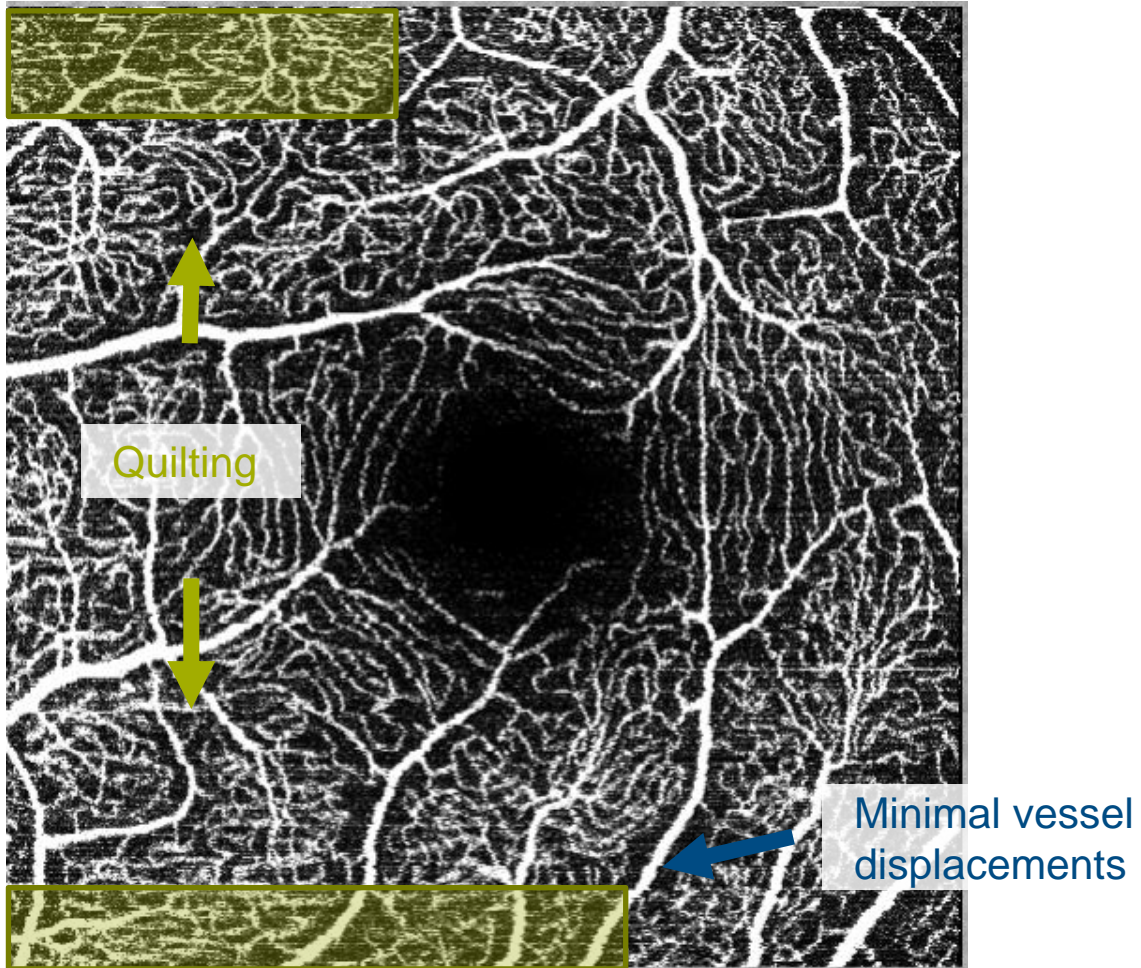
## Example 2



Q value 42



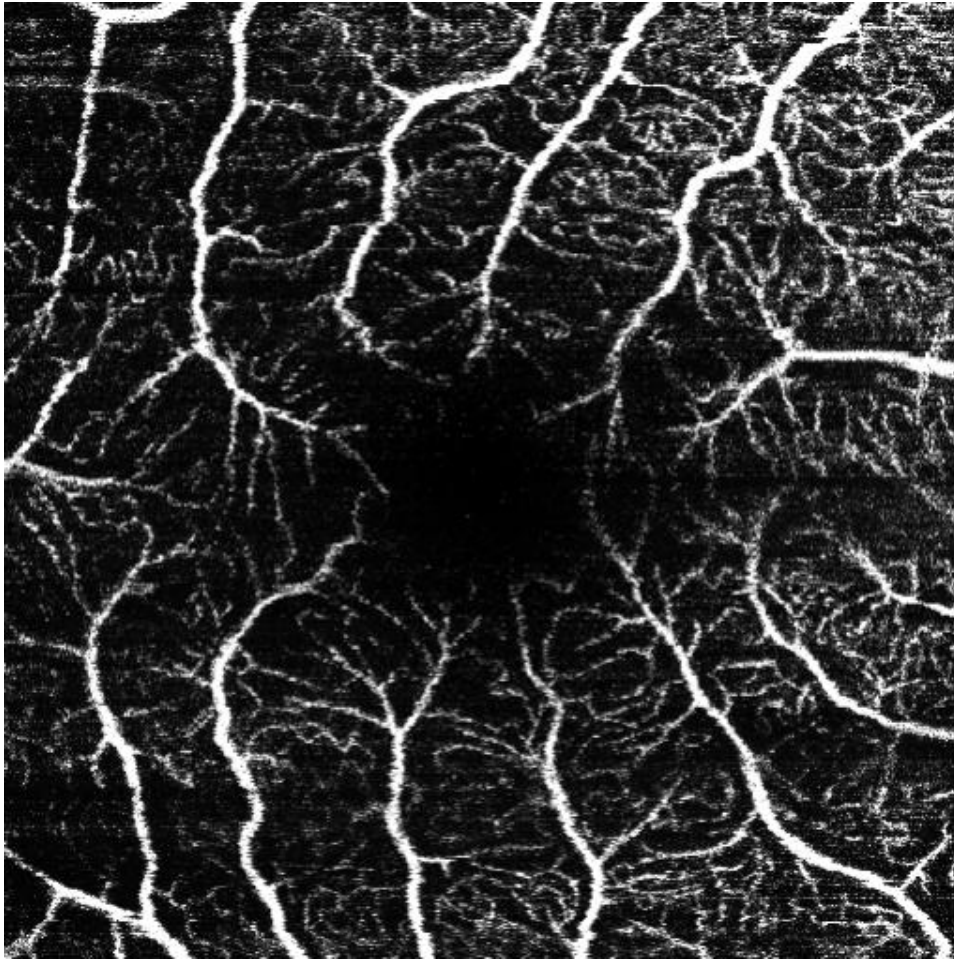
## Example 2: QC passed



Q value 42

O:	✓
S:	✓
C:	✓
A:	✓
R:	✓
M:	≤25%
P:	✓

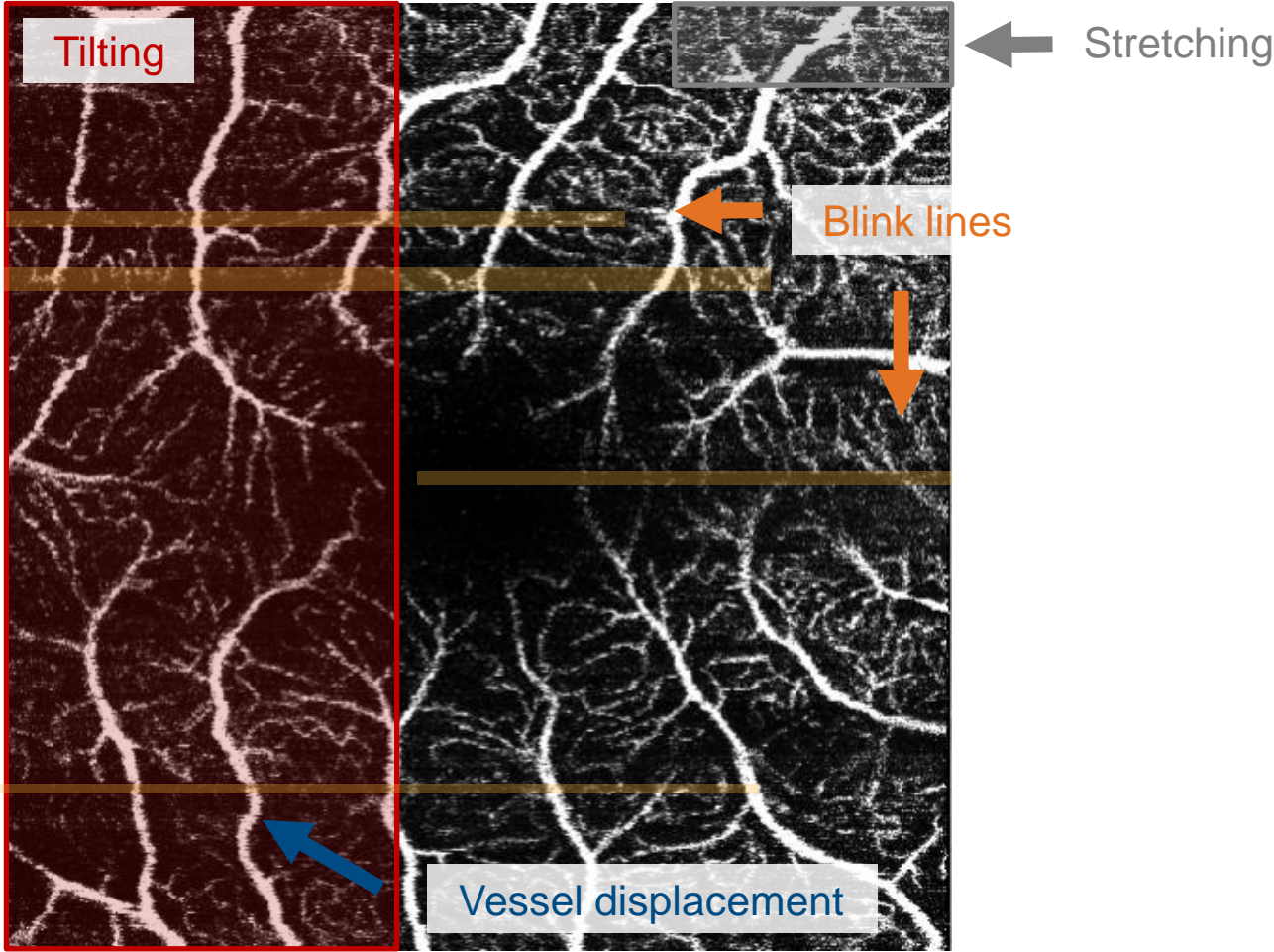
## Example 3



Q value 32



Example 3: QC failed

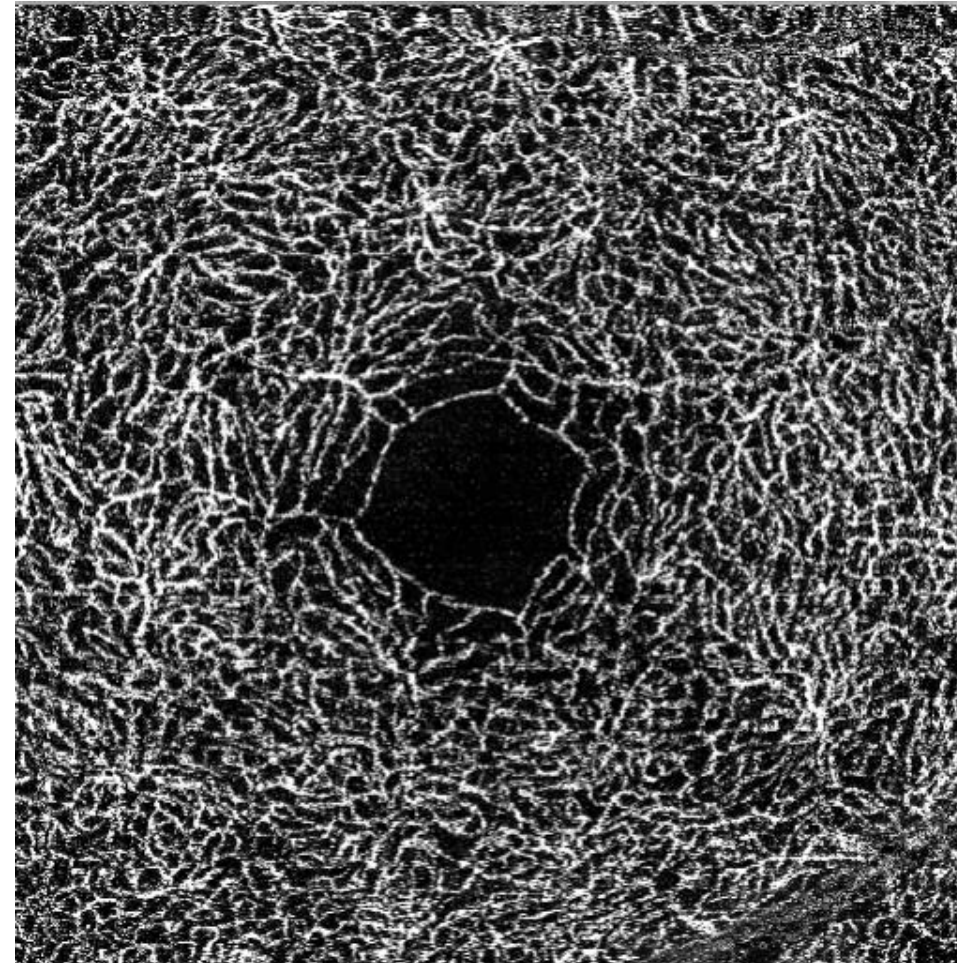
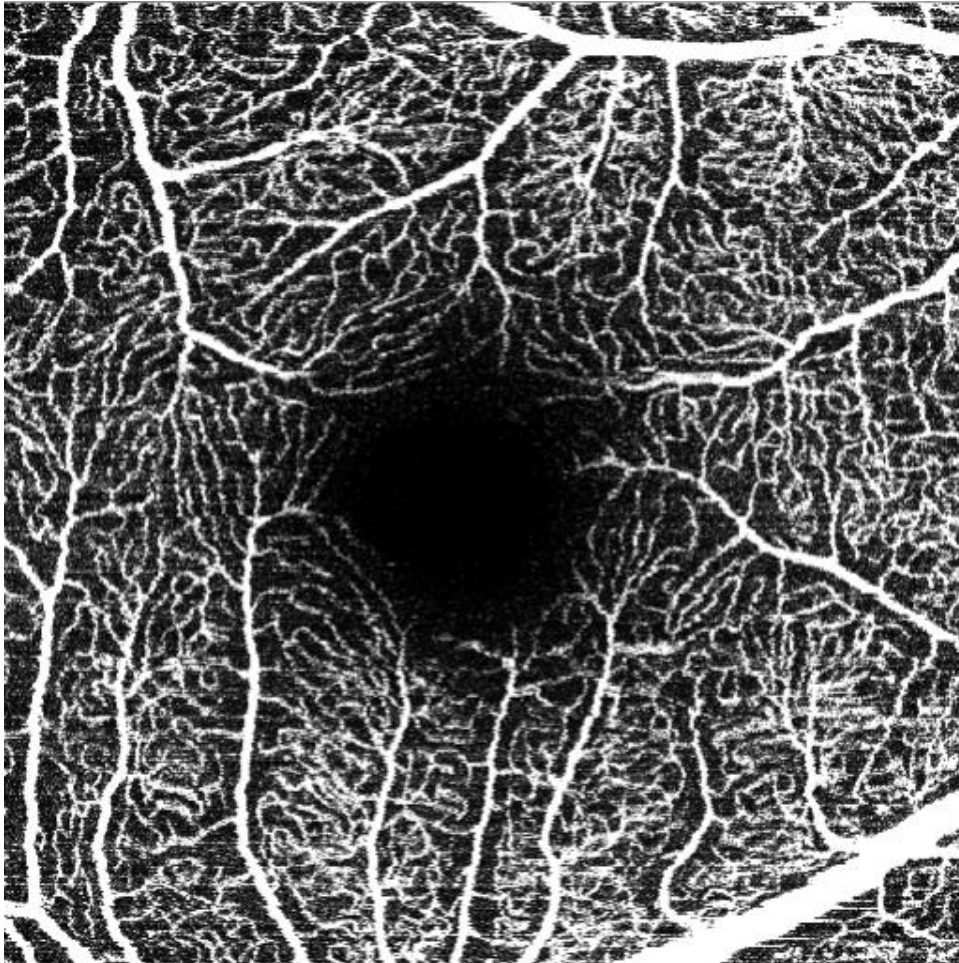


O:	Tilting (+ Defocus)
S:	✓
C:	✓
A:	✓
R:	✓
M:	>25%
P:	✓

Q value 32



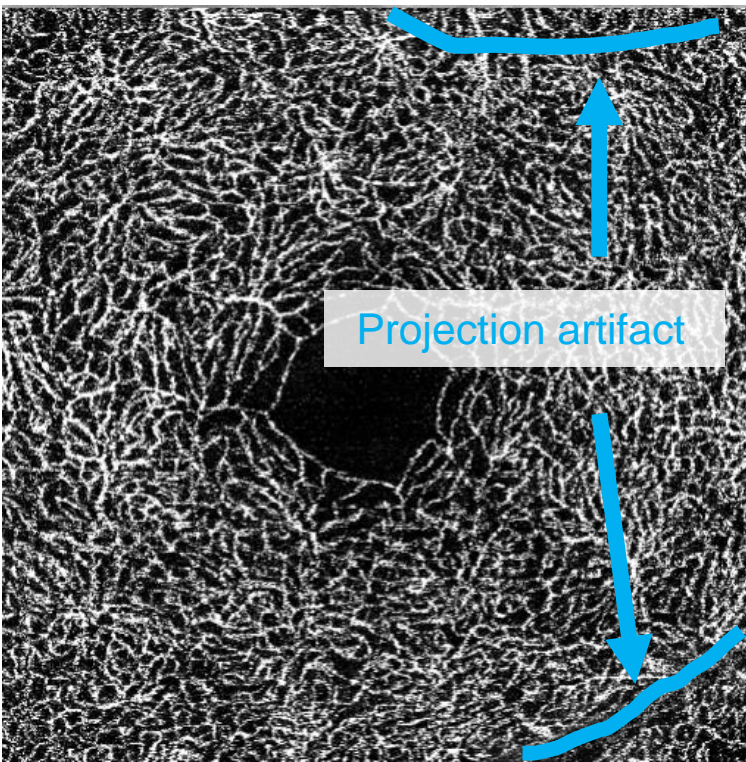
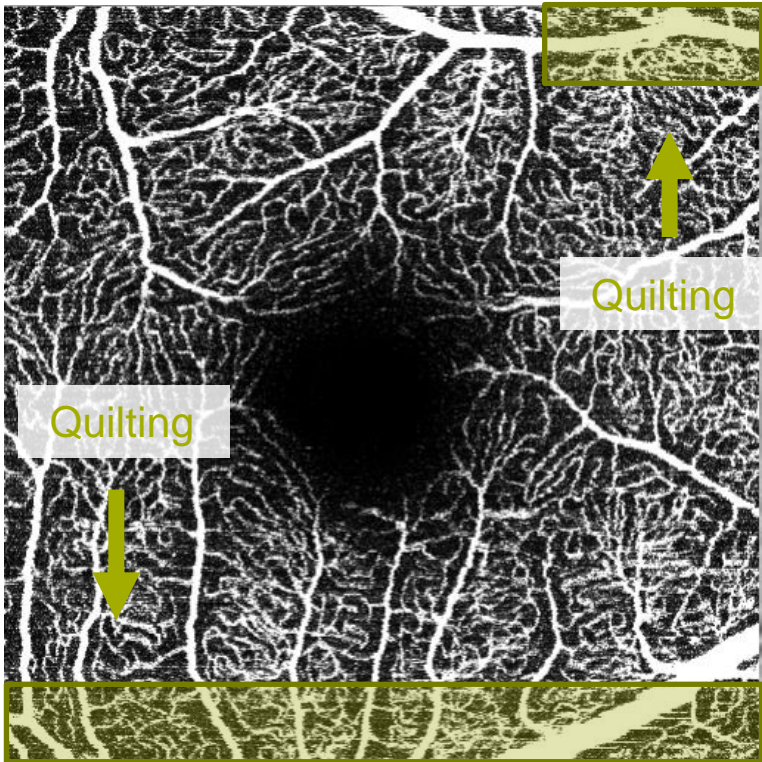
## Example 4



Q value 34



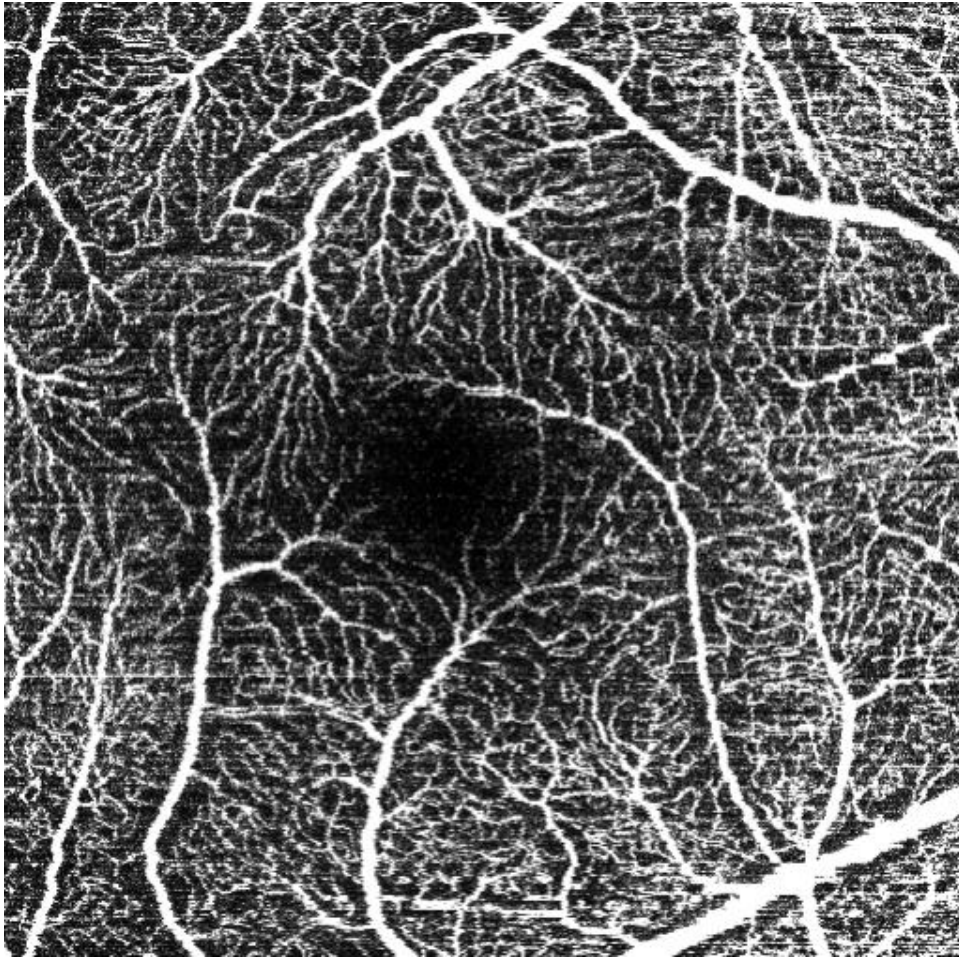
Example 4: QC failed



O:	✓
S:	✓
C:	✓
A:	✓
R:	✓
M:	≤25%
P:	Projection artifact

Q value 34

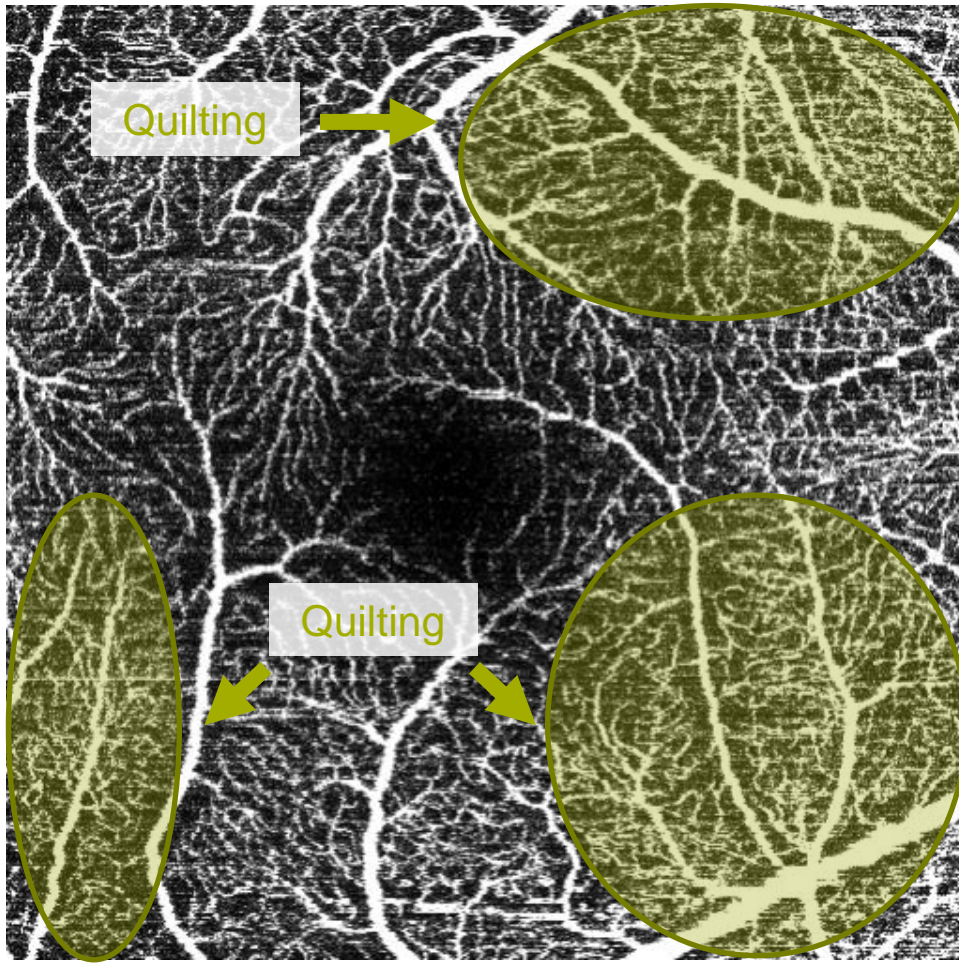
## Example 5



Q value 38



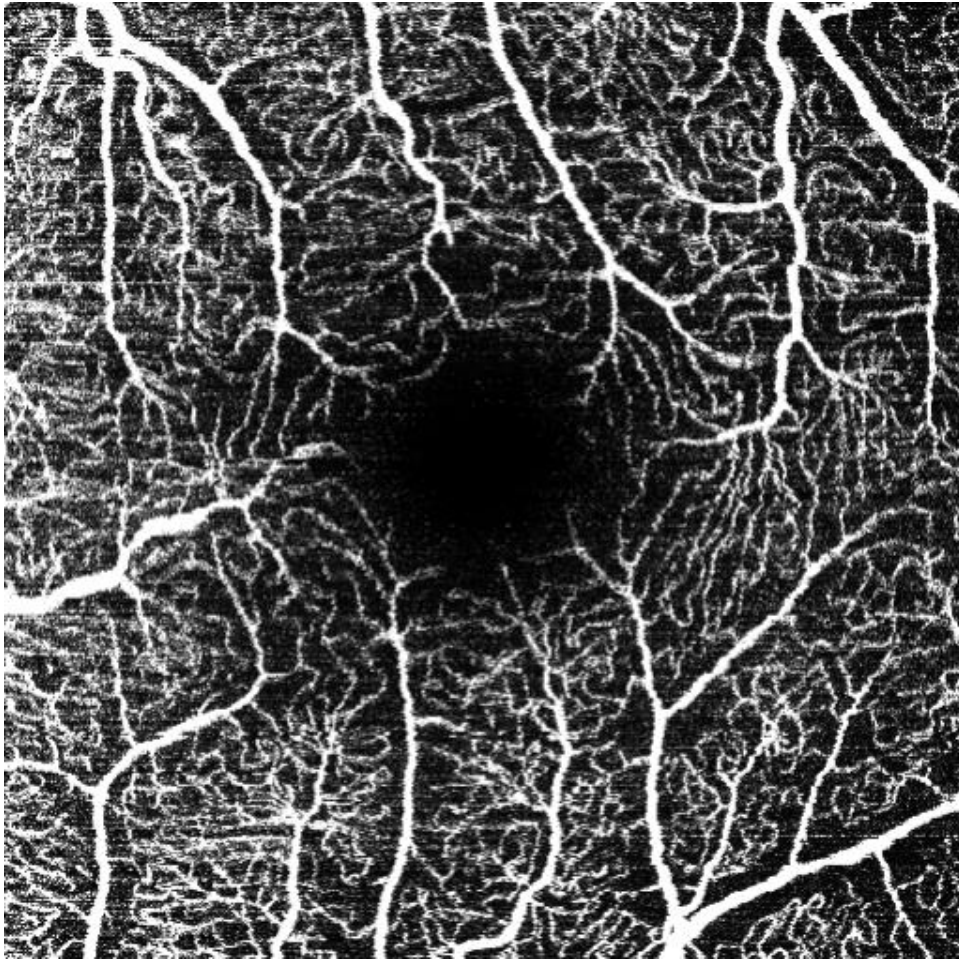
## Example 5: QC failed



Q value 38

O:	✓
S:	✓
C:	✓
A:	✓
R:	✓
M:	>25%
P:	✓

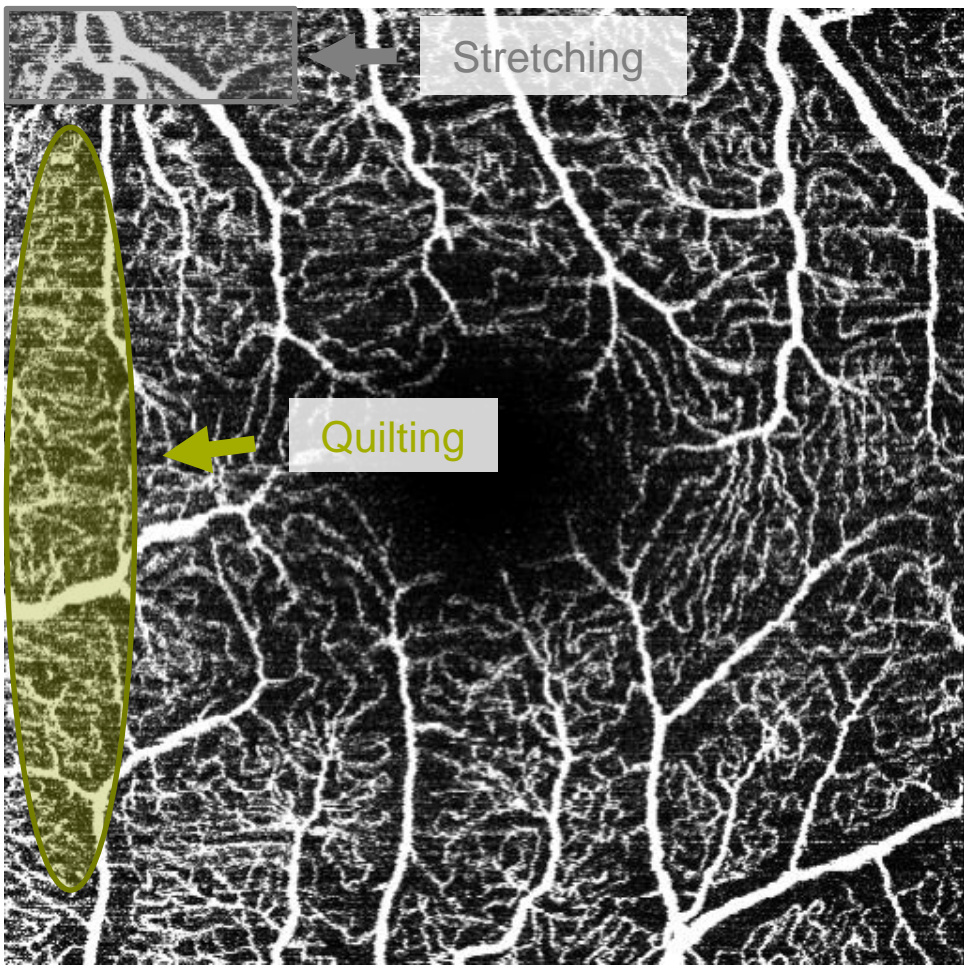
## Example 6



Q value 40



Example 6: QC passed

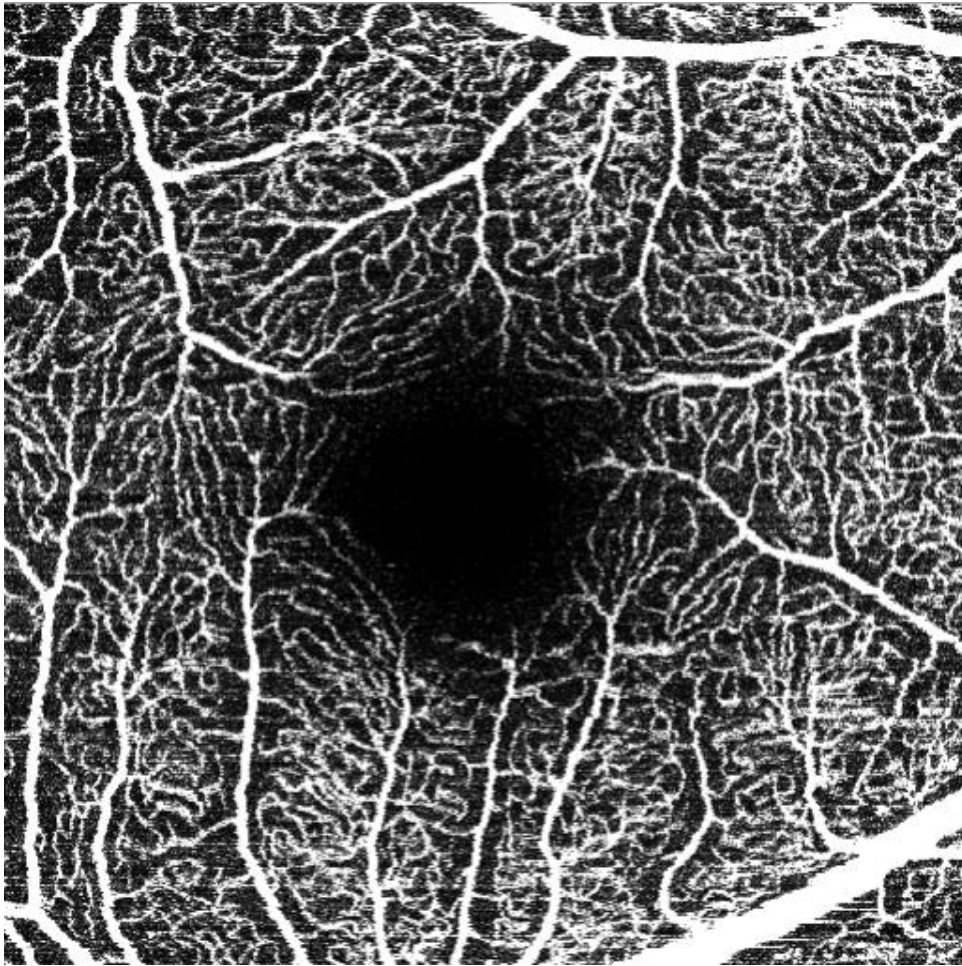


O:	✓
S:	✓
C:	✓
A:	✓
R:	✓
M:	≤25%
P:	✓

Q value 40

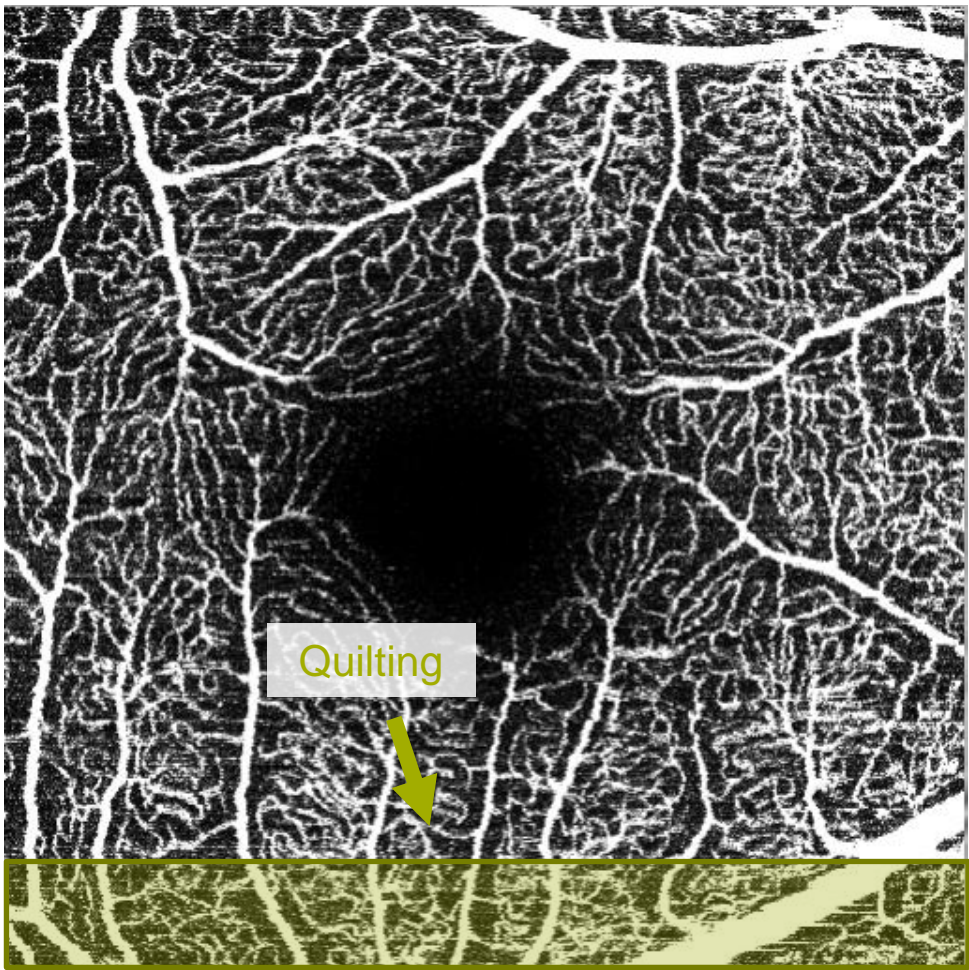


## Example 7



Q value 39

Example 7: QC passed

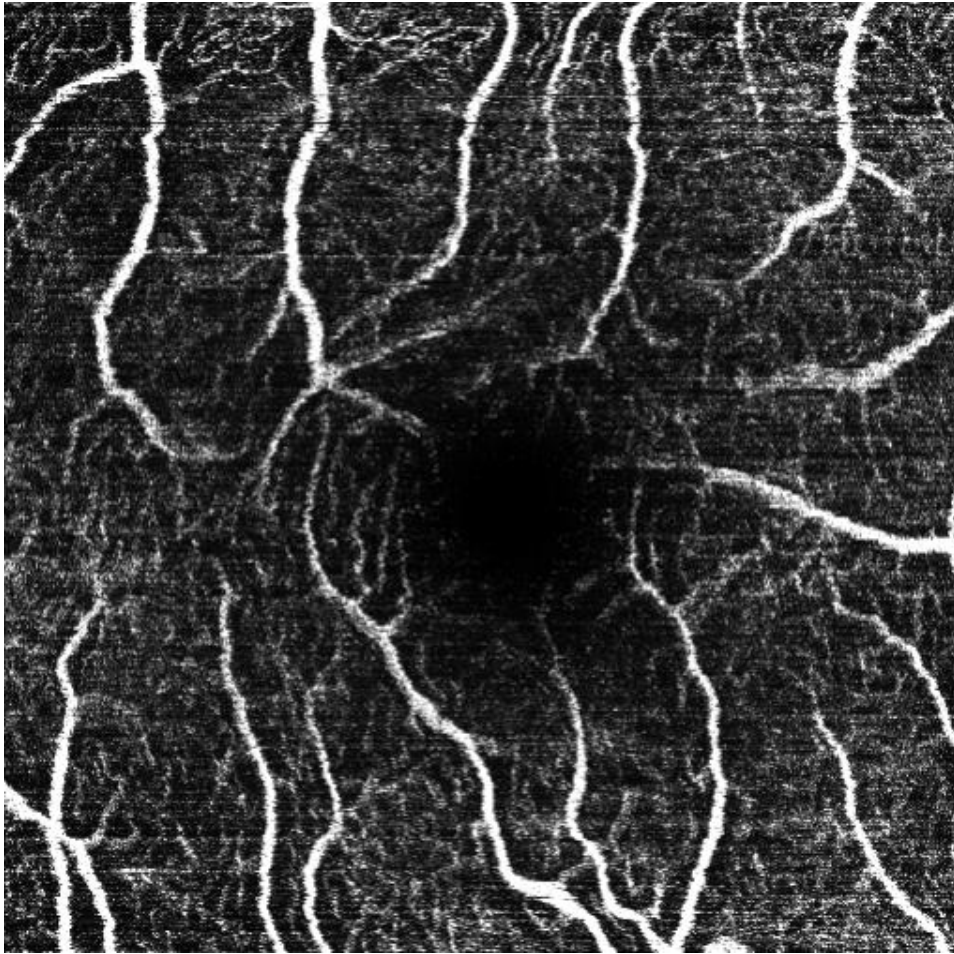


O:	✓
S:	✓
C:	✓
A:	✓
R:	✓
M:	≤25%
P:	✓

Q value 39



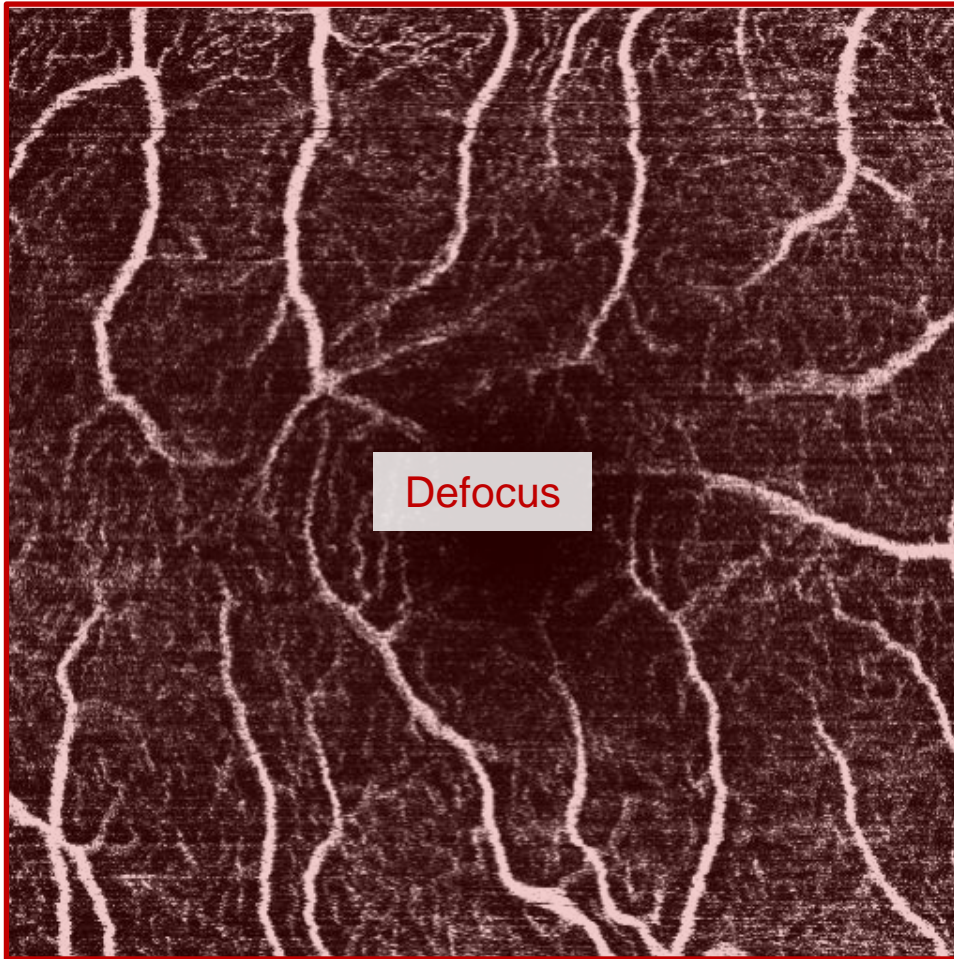
## Example 8



Q value 28



## Example 8: QC failed

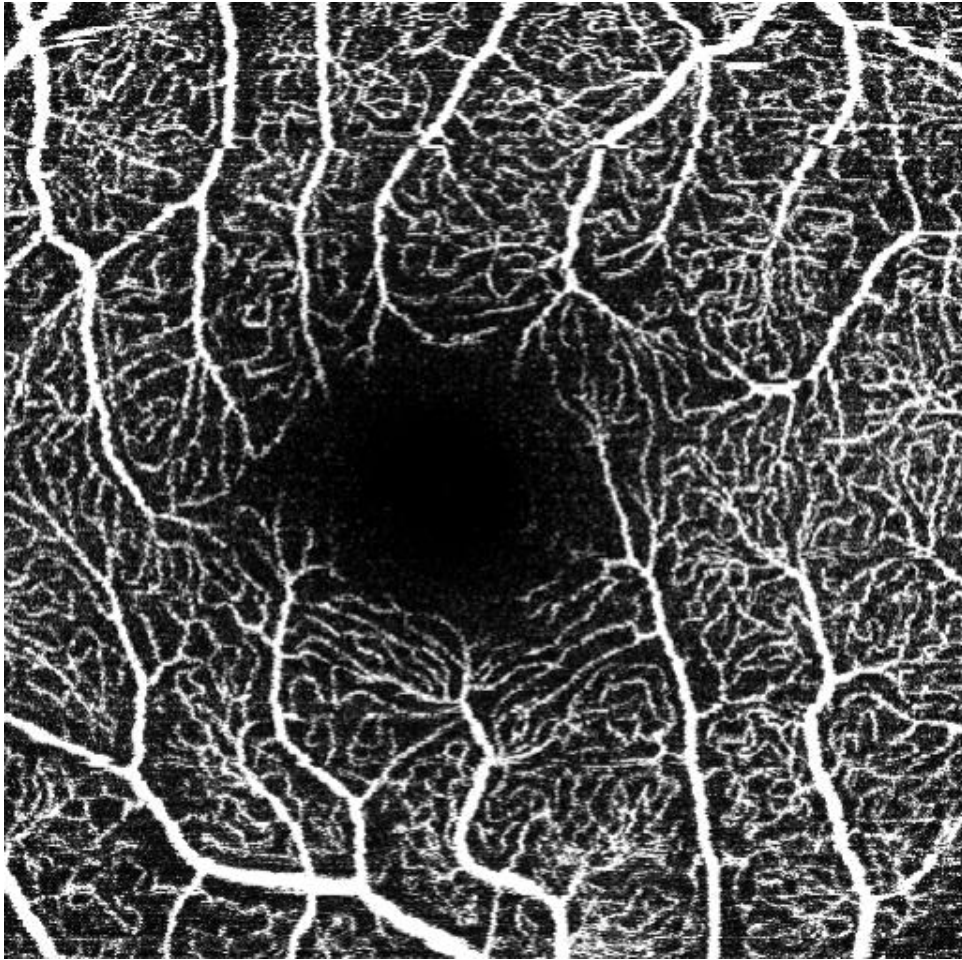


Q value 28

O:	Defocus
S:	Q<30
C:	✓
A:	✓
R:	✓
M:	>25%*
P:	✓

\* If severe defocus occurs: It is **very difficult** to **differentiate between** pure **motion artifacts** and **defocus**. However, significant motion artifacts are very probable in defocused OCTA images

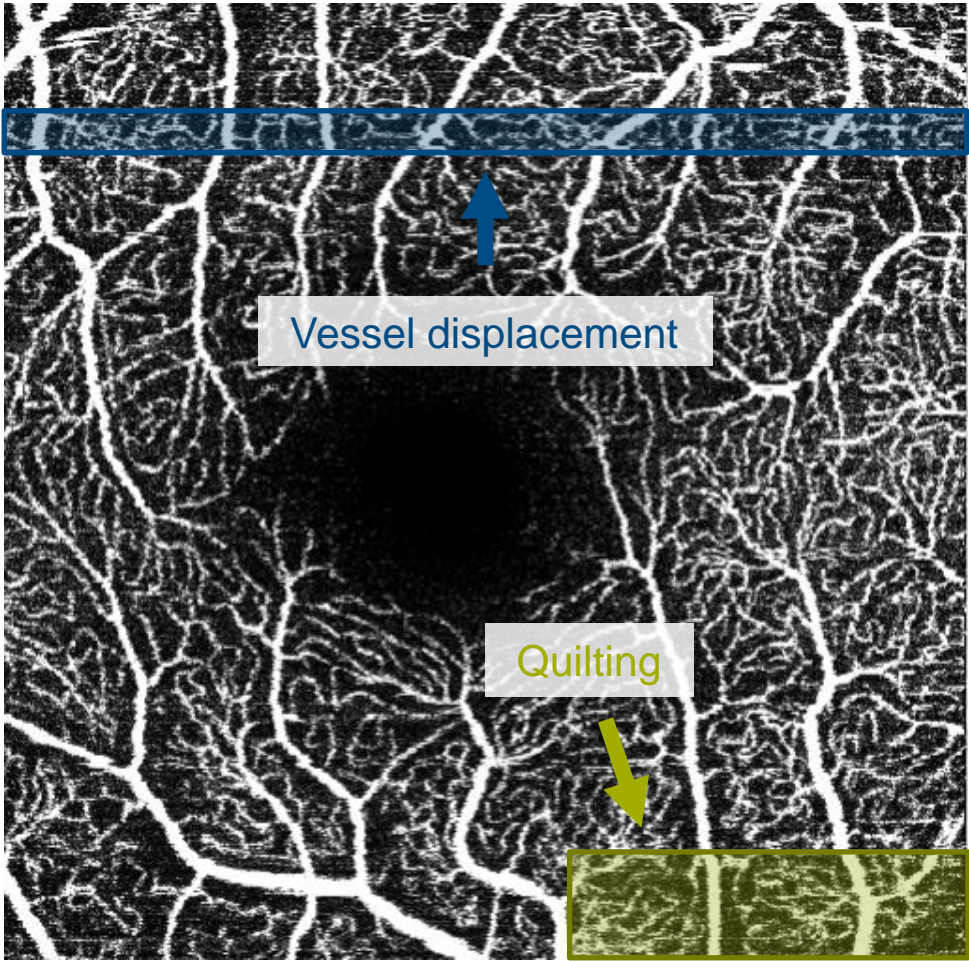
## Example 9



Q value 39



Example 9: QC passed

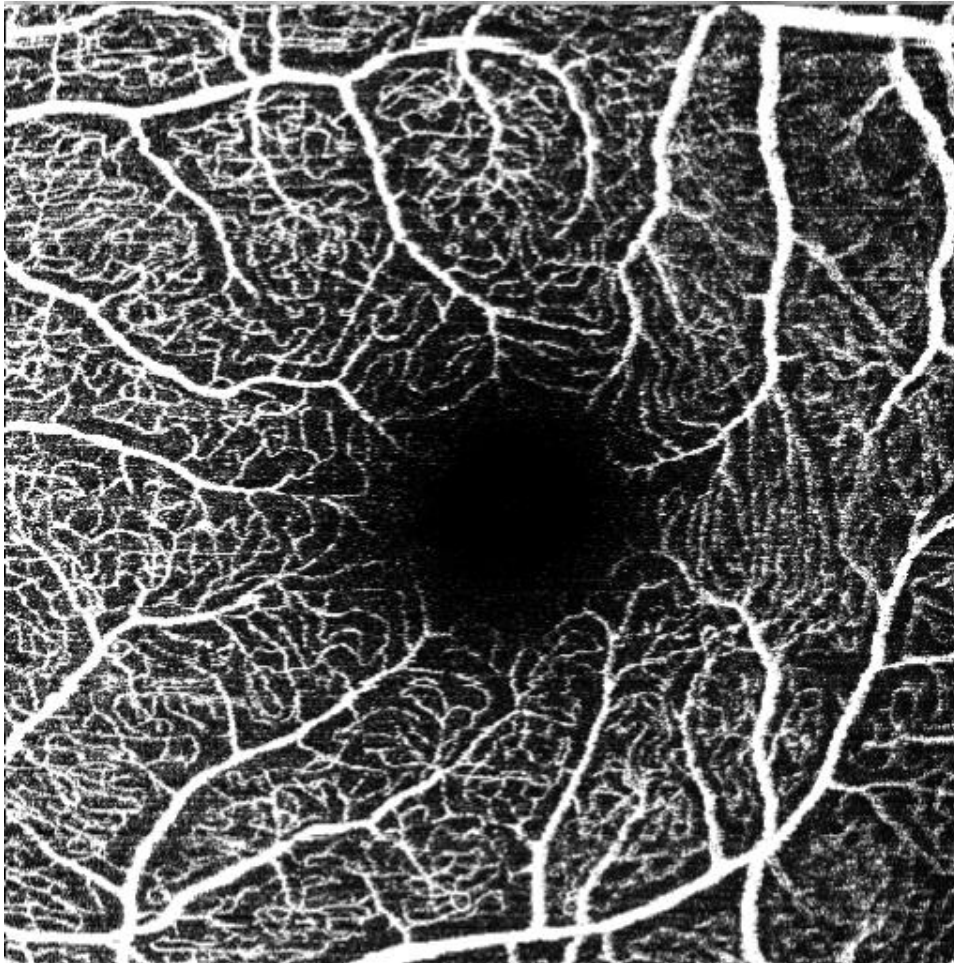


O:	✓
S:	✓
C:	✓
A:	✓
R:	✓
M:	≤25%
P:	✓

Q value 39

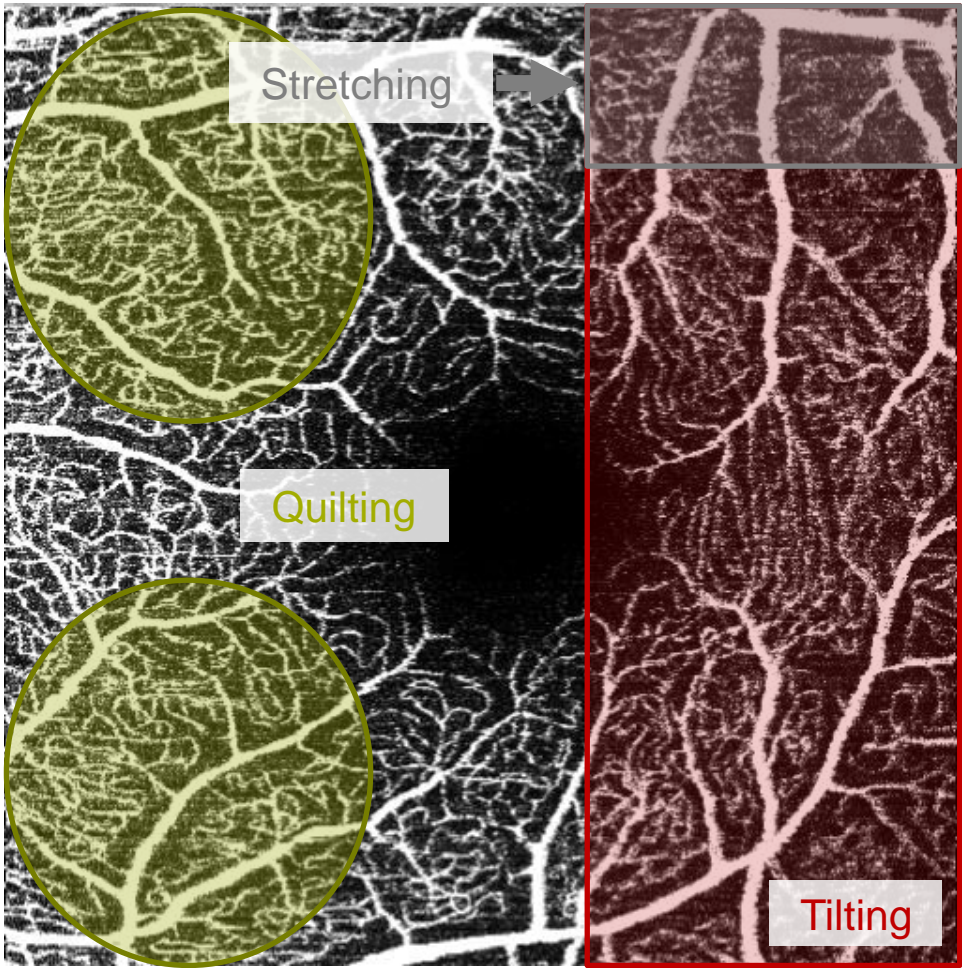


## Example 10



Q value 42

Example 10: QC failed

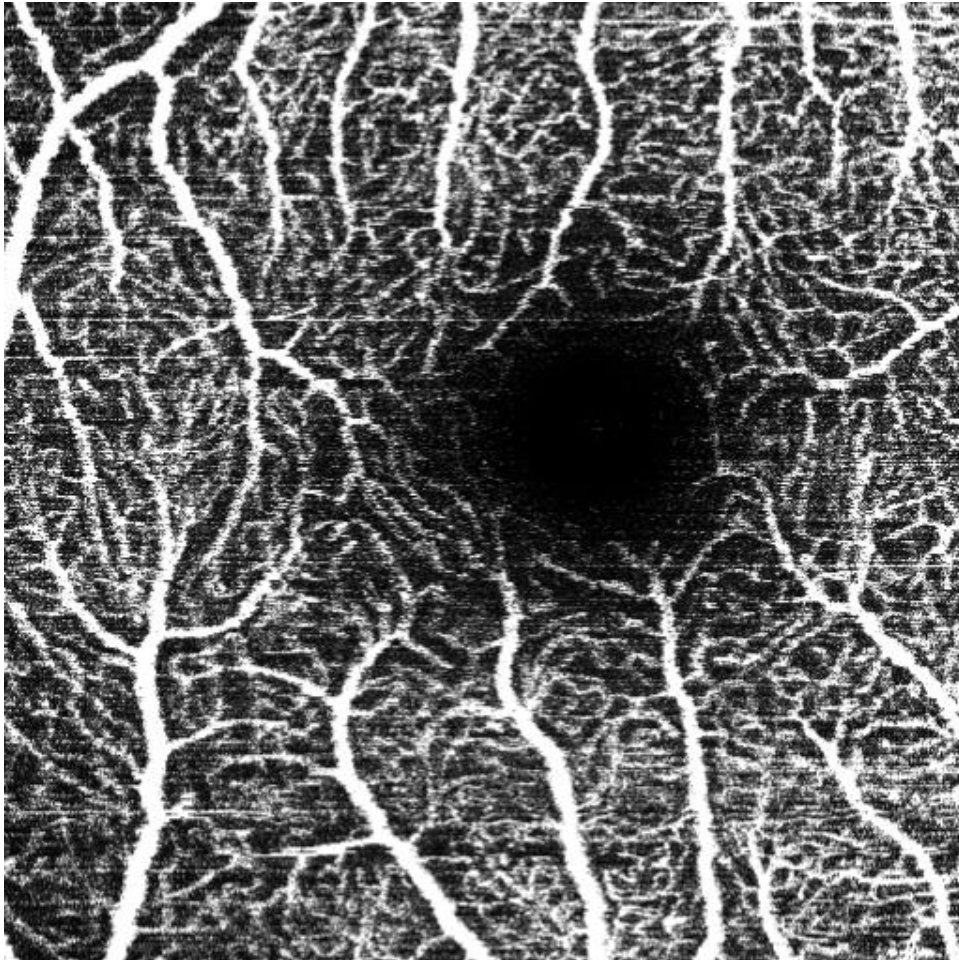


O:	Tilting
S:	✓
C:	✓
A:	✓
R:	✓
M:	>25%
P:	✓

Q value 42

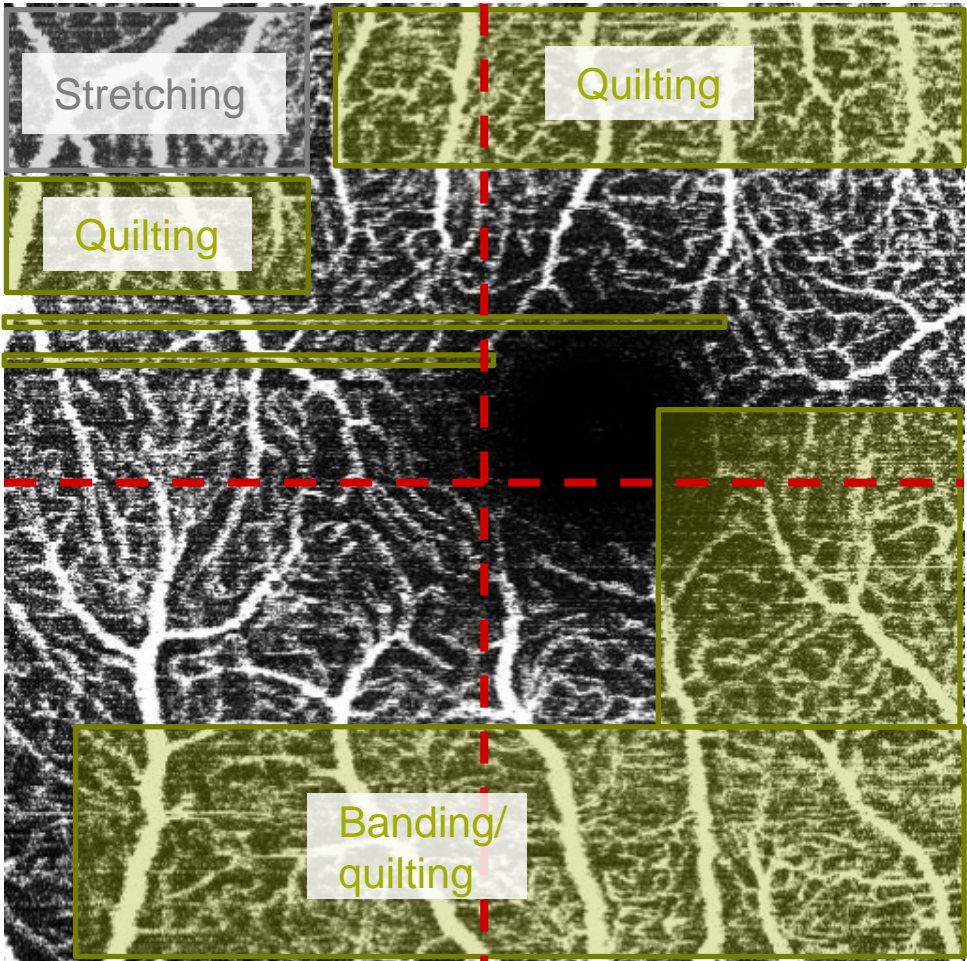


## Example 11



Q value 37

Example 11: QC failed



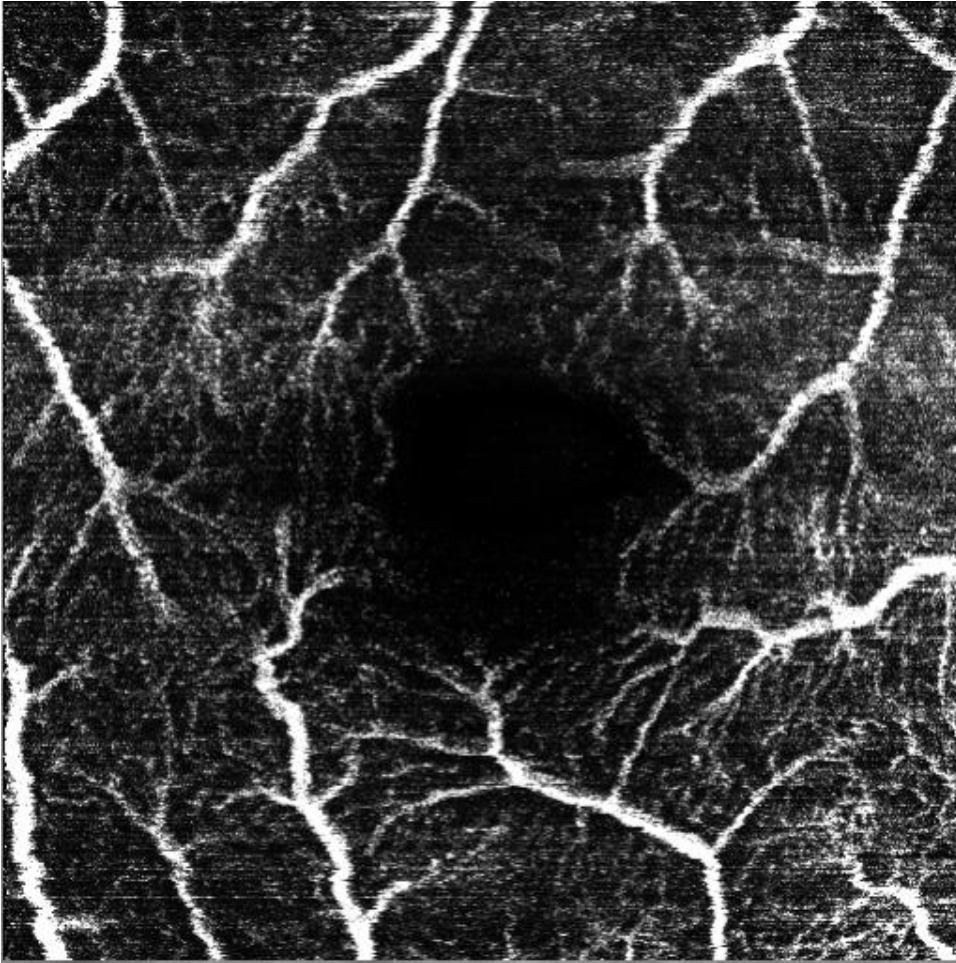
Decentration

O:	✓
S:	✓
C:	decentration
A:	✓
R:	✓
M:	>25%
P:	✓

Q value 37

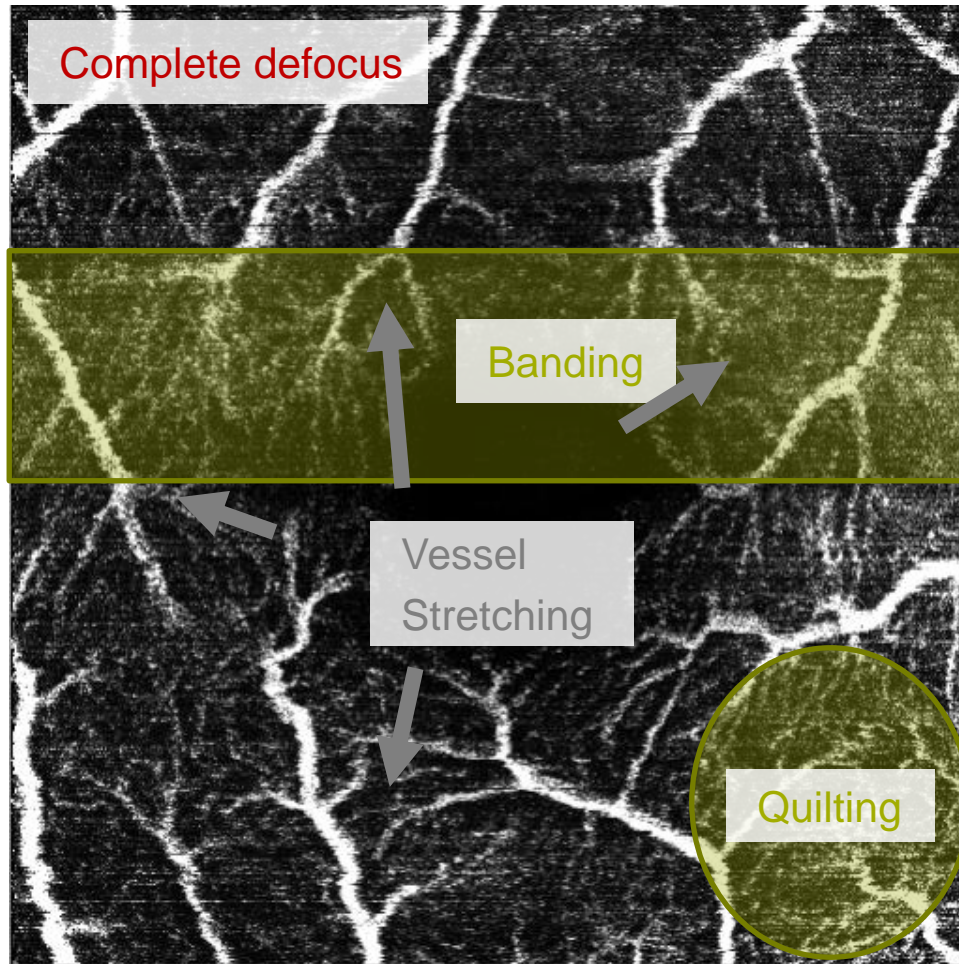


## Example 12



Q value 29

## Example 12: QC failed



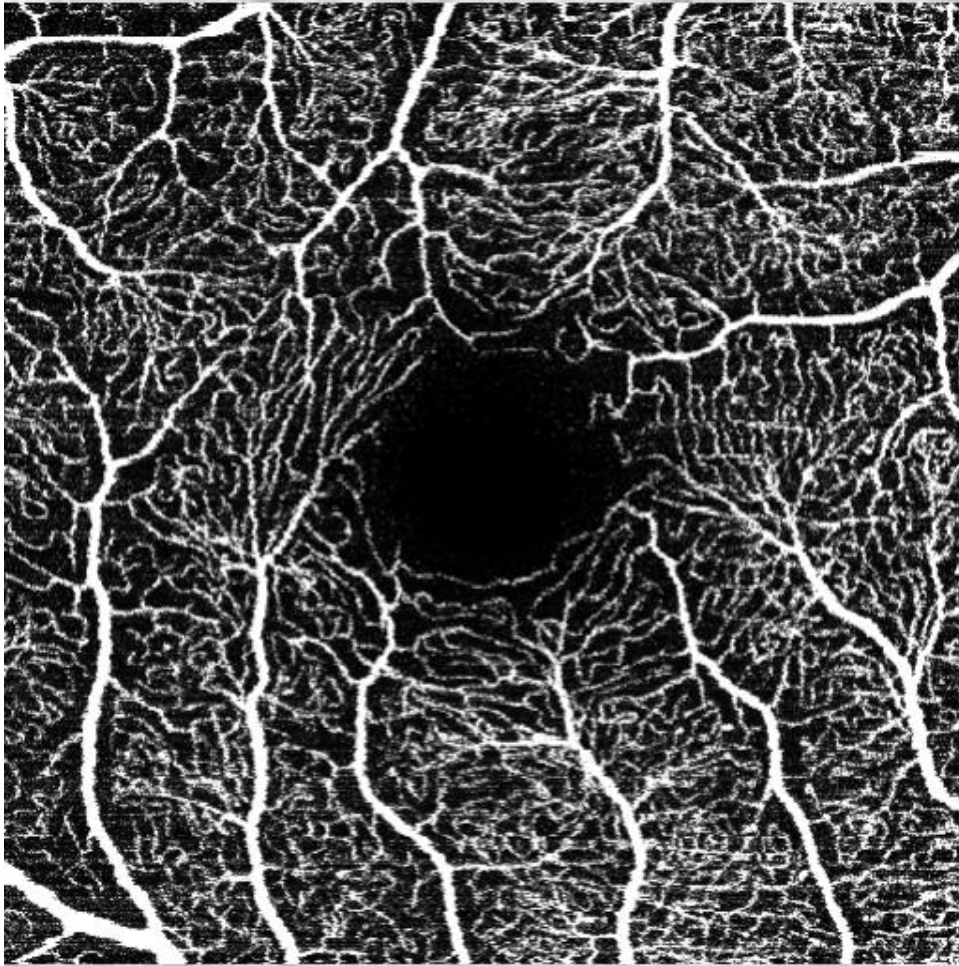
Q value 29

O:	Defocus
S:	Q<30
C:	✓
A:	✓
R:	✓
M:	>25%*
P:	✓

\* If severe defocus occurs: It is **very difficult** to **differentiate between** pure **motion artifacts** and **defocus**. However, significant motion artifacts are very probable in defocused OCTA images

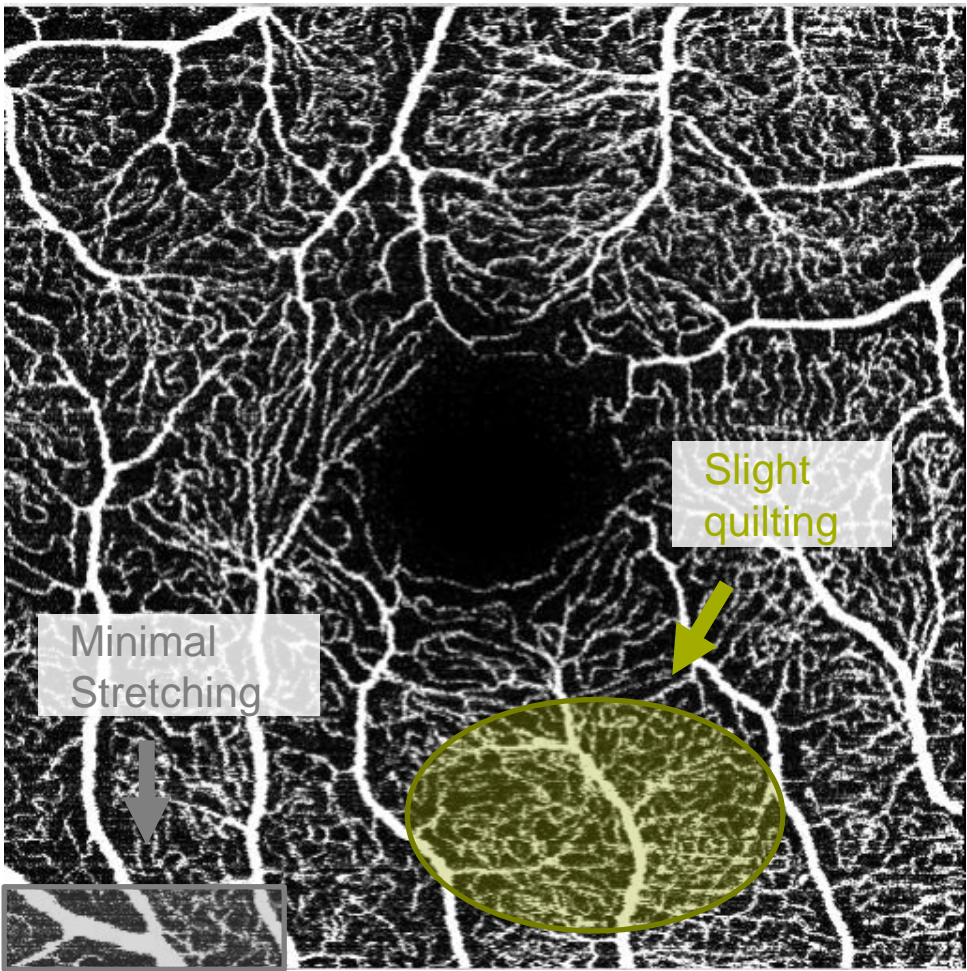


## Example 13



Q value 39

Example 13: QC passed

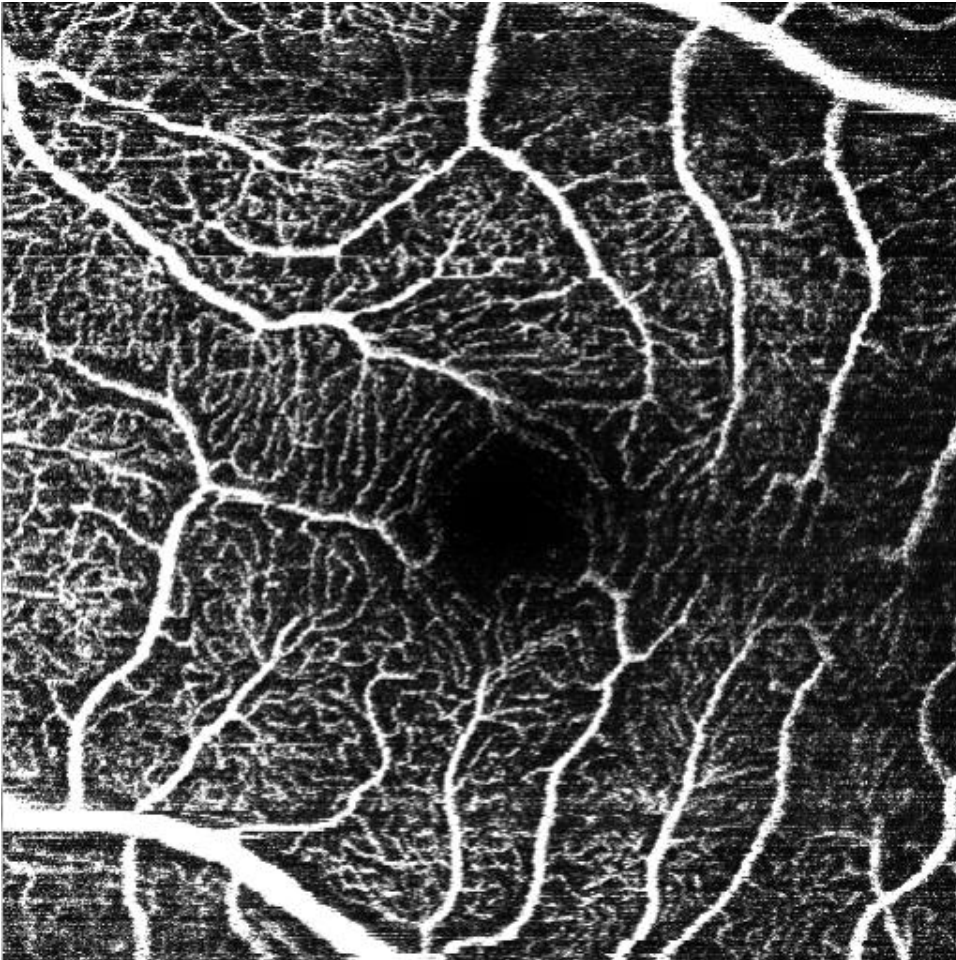


O:	✓
S:	✓
C:	✓
A:	✓
R:	✓
M:	≤25%
P:	✓

Q value 39

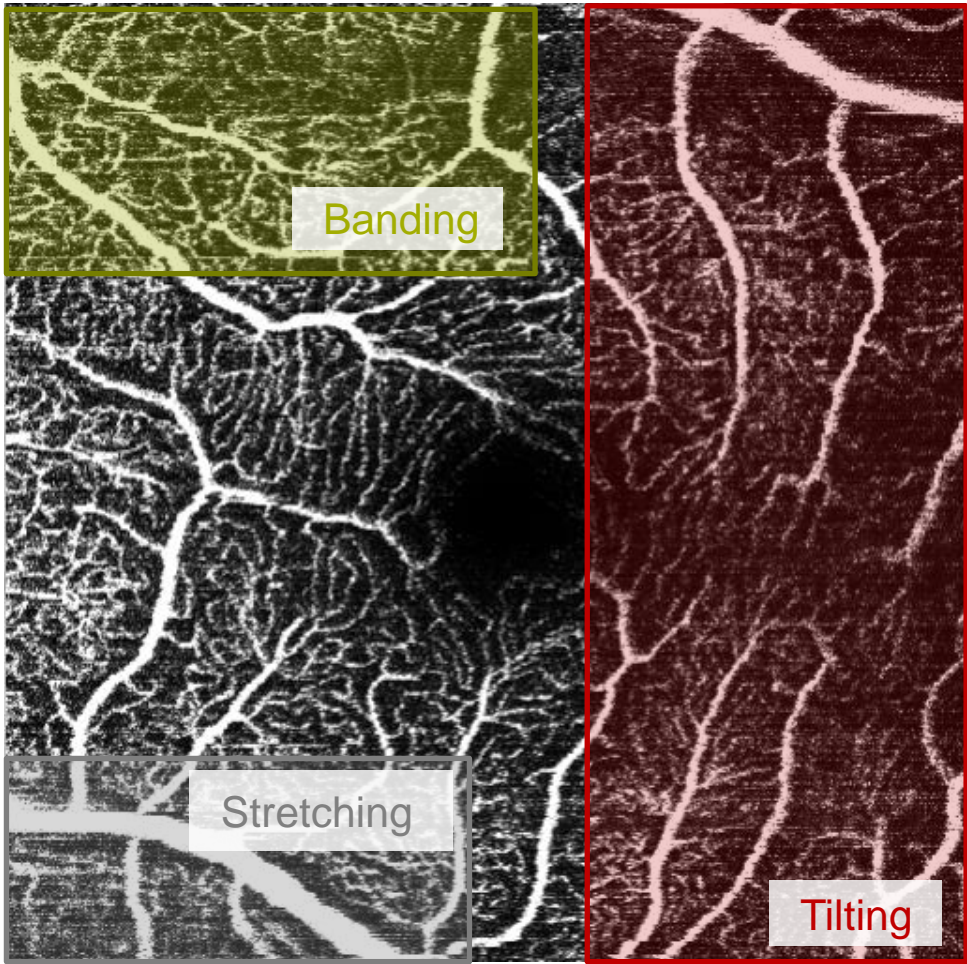


## Example 14



Q value 40

Example 14: QC failed

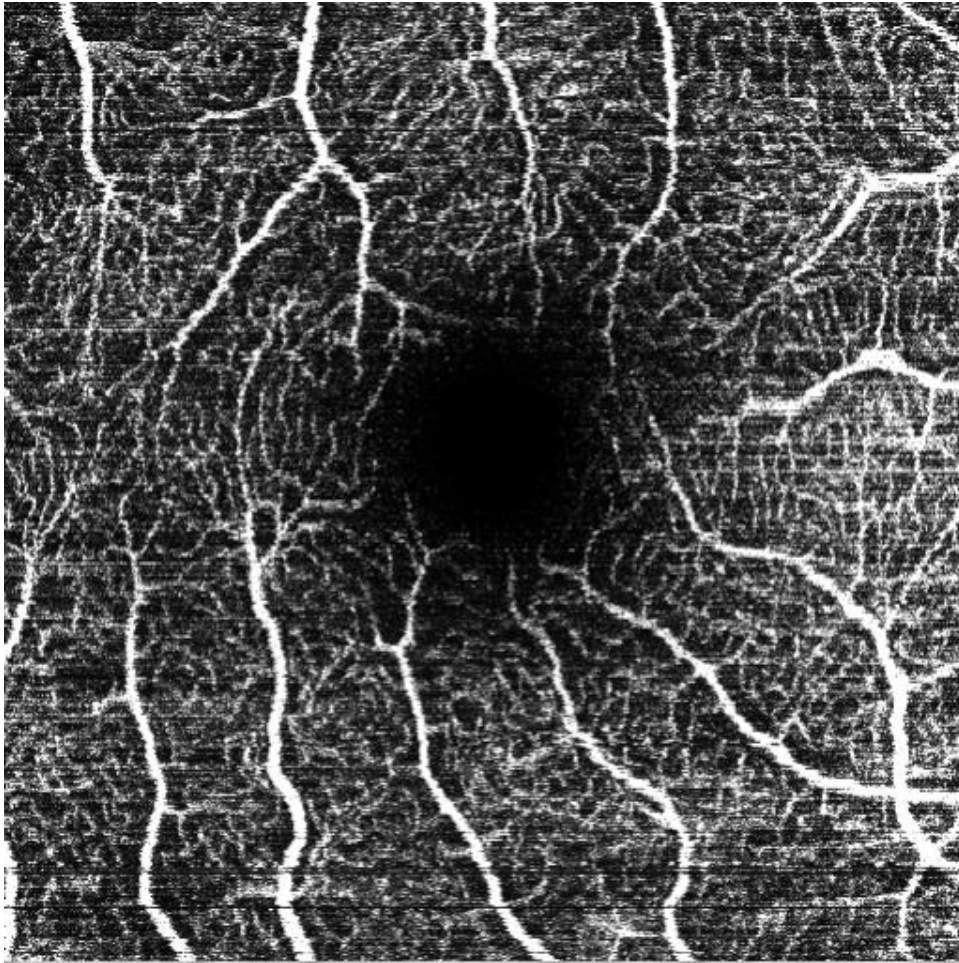


Q value 40

O:	Tilting
S:	✓
C:	✓
A:	✓
R:	✓
M:	>25 %
P:	✓

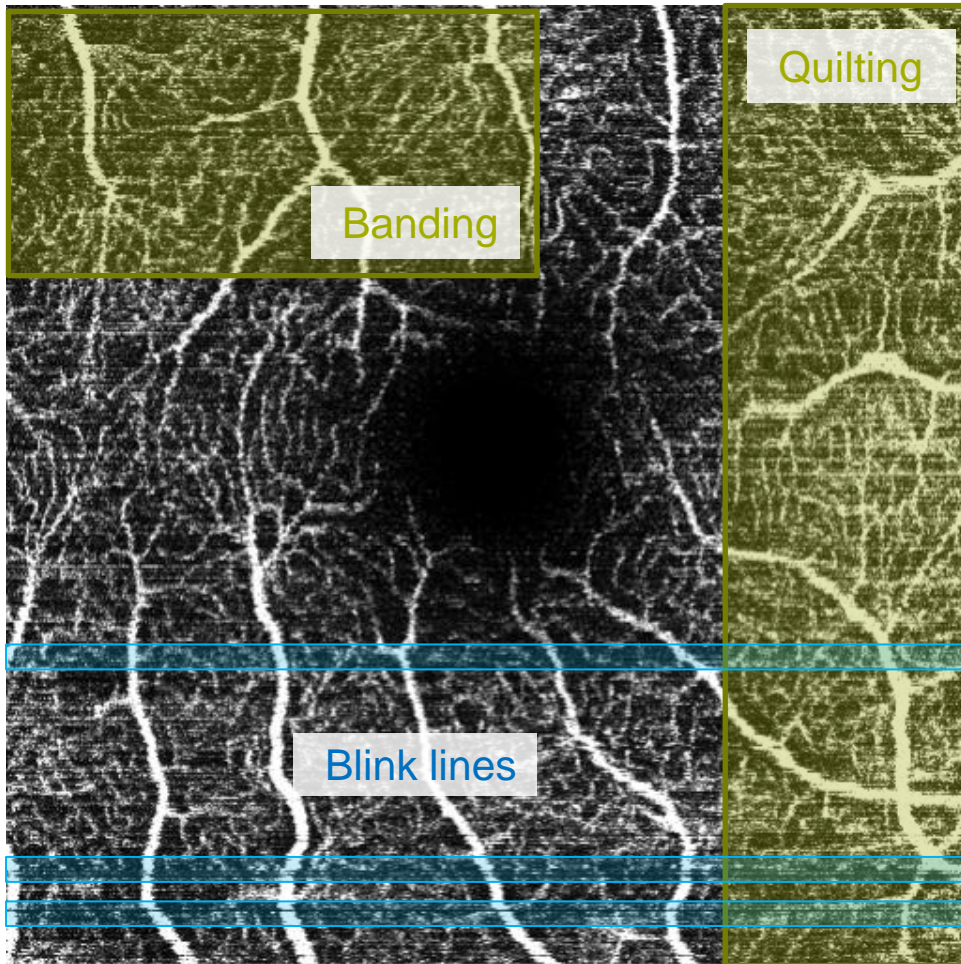


## Example 15



Q value 39

## Example 15: QC failed



O:	✓
S:	✓
C:	✓
A:	✓
R:	✓
M:	>25%
P:	✓

Q value 39