Along our study, we publish a number of segmentation and classification results, which were used for testing and evaluation of the proposed algorithms for retinal blood vessels segmentation and classification. Here, we specify the structure of the published results:

***Folder: Inter\_Intra\_Variability*** contains the results of inter and intra observer variability for systems *Clarity RetCam 3* and *Phoenix ICON*. The files *Phoenix\_rater1\_1* - *Phoenix\_rater1\_3* and *RetCam3\_rater1\_1* - *RetCam3\_rater1\_3* contain the results of intra-observer variability for 50 randomly selected images for each imaging modality. The files Phoenix\_rater1 - Phoenix\_rater3 and RetCam3\_rater1 - RetCam3\_rater3 contain the result of three independent clinical raters.

***Folder: Phoenix\_ICON\_Segmentation\_Performance*** contains the quantitative results of segmentation performance for 100 images of *Phoenix ICON*: Accuracy (*Phoenix\_Acc\_performance*), Sensitivity (*Phoenix\_se\_performance*), and Specificity (*Phoenix\_sp\_performance*).

***Folder: Ret\_Cam\_3\_Segmentation\_Performance*** contains the quantitative results of segmentation performance for 100 images of *Clarity RetCam 3*: Accuracy (*RetCam3\_Acc\_performance*), Sensitivity (*RetCam3\_se\_performance*), and Specificity (*RetCam3\_sp\_performance*).

***Folder: DRIVE\_Dataset*** contains the images, FOV masks and annotations from the original dataset divided into *test* and *training* folders (only the training data was used in this work). The *Segmentation\_Results* folder contains the segmented images in both JPG and MAT formats, as well as an Excel with the individual evaluation metric scores for each image.

***Folder: RetCam3*** contains the data from the RetCam3 images. In the *Images* folder are the original images. *Segmentation\_Results* contains the primary segmentation for each image divided between control (*Physiological\_Images*) and ROP positive (*ROPPlusForm\_Patients*). *ODFilter\_Results* contains the results from applying the OD Filter tool in both MAT and JPG formats, as well as a visual evaluation of the tool in the *Visual* folder. Finally, *Skeletonization\_Results* contain the results of applying the skeletonization process to the images.

***Folder: ICON\_Phoenix*** contains the same subfolder as the *RetCam3* folder. However, this time the images are divided by patients rather than control/disease.