

## Select whether these retinal images have extra features

This aim of this task is to classify images of the human retina. You need to look carefully for extra features that make the image different to the majority of retinal images. These differences can be quite small and subtle so look very carefully.

We would like you to concentrate on the features of the image that make it unusual, i.e. not like the majority of retinal images.

Normally, retinas have i) a pinkish-orange-grey background, with ii) a darker central reddish area, iii) a bright yellow circle which is the nerve of the eye, called the optic disc and iv) red blood vessels with small tributaries, coming from the optic disc. The right eye and left eye look like mirror images of each other.

Look at these images of human retinas and concentrate on these four features.

If you see these four features and no other features click "NO Extra features present" from the drop down box. If you see anything other than these four features, click "YES Extra features present". If you think there are extra features, we will ask you to categorise the features as either:

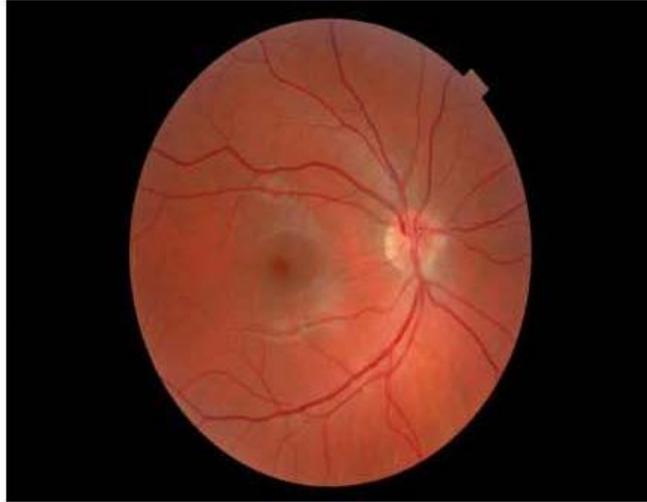
i) blotch(es)

ii) streak(s)

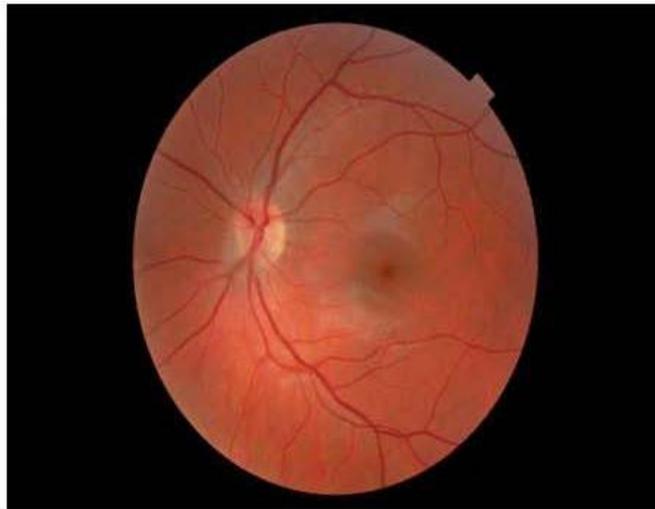
iii) dot(s)

and then choose the colour of the extra features: black, white, yellow, red. If there is more than one extra feature, please pick an answer that you feel best describes the image. Images 1 and 2 are provided as examples of images with No Extra Features. Remember you have to look carefully at the images to be able detect subtle extra features.

**Image 1 = No Extra Features right eye**

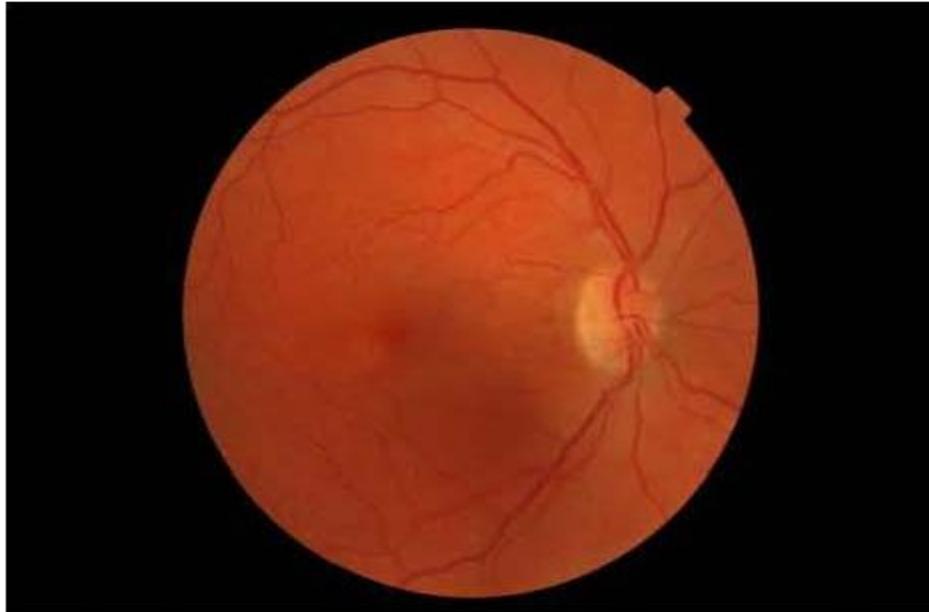


**Image 2 = No Extra Features left eye**



**image to be categorized:**

**Picture of the retinal**



**1. Are there any extra features in the retinal image to be categorized?**

**If you answered YES to question 1 please answer question 2:**

**2. Select the options that best describe the shape and colour of the extra features (select all that apply):**

- Blotches
- Streaks
- Dots
- White
- Yellow
- Red
- Black

Figure S1 – An example of a typical questionnaire each KW was asked to complete.

