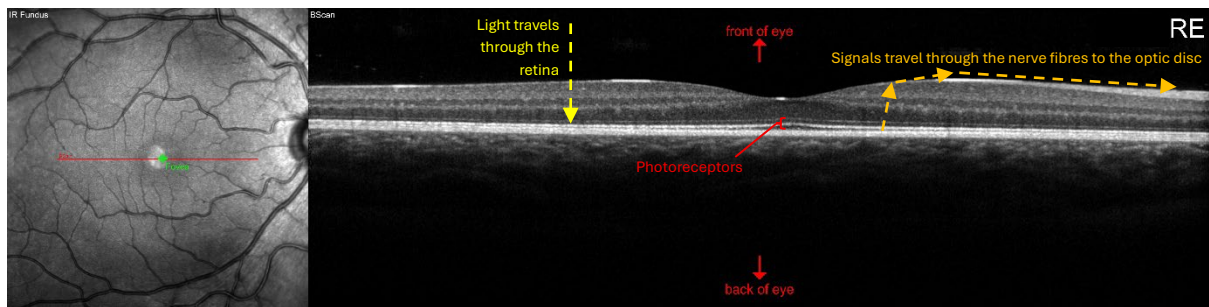
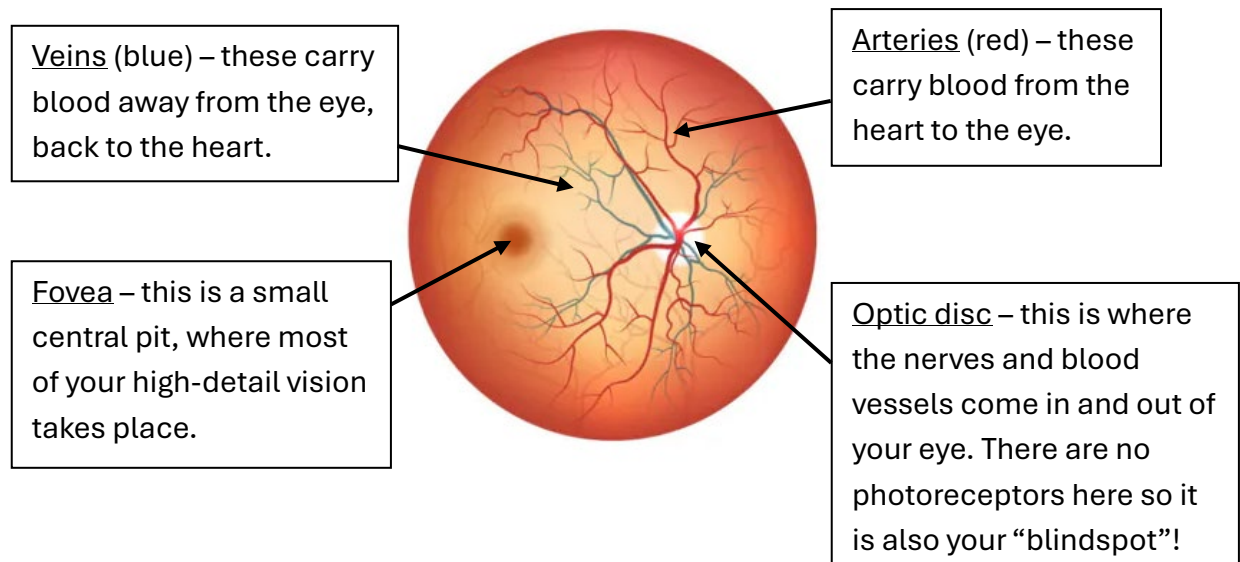


Optical Coherence Tomography (OCT) Photos

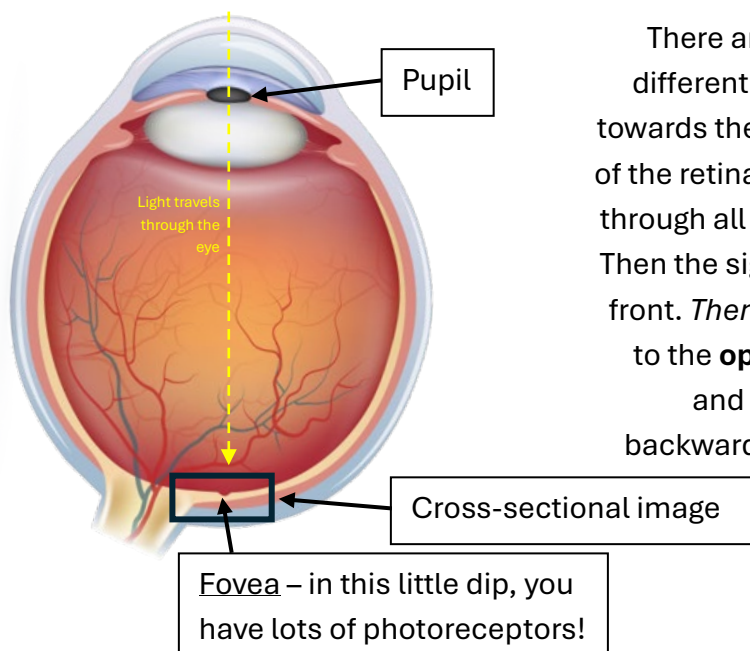
The children who have taken part in the DoCEG study have new OCT photos that they have brought home! Here is a bit more information about OCT photos...



On the left of your photo, you will see the *infrared fundus image*, which is what someone would see if they looked through your **pupil** to see the back of your eye (the **retina**).



On the right of your photo, you will see a cross-sectional view – this is what someone would see if they took a slice through from front to back and turned it on its side.



There are different layers in the retina, made of different types of cells. The **photoreceptors** are towards the back. The **nerve fibres** are at the front of the retina. This means that the light has to travel through all the layers to get to the photoreceptors. Then the signals have to travel back through to the front. *Then* the signals go through the nerve fibres to the **optic disc** and go *back* through the retina and on to the brain. It is like the eye is wired backwards! Surprisingly, a squid eye is wired the opposite way around!