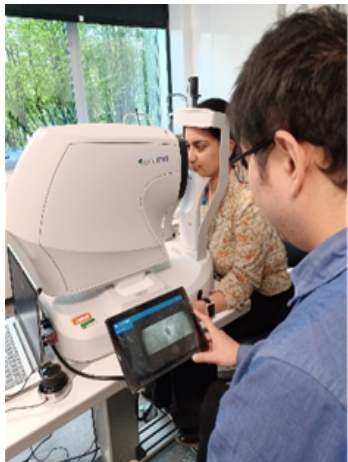
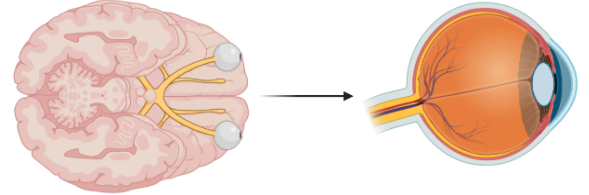


# Take part in Wolfram Research

Research Opportunity: Be a Participant in Our Exciting Eye Study (ORION)



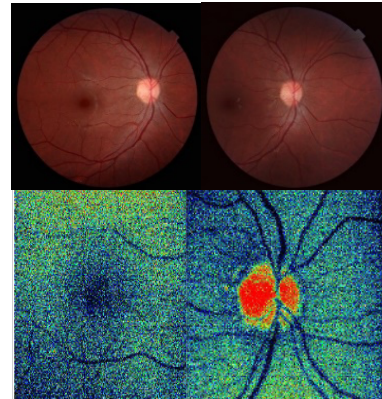
We are looking for participants to take part in our observational study of Wolfram Syndrome. The **Outcomes Research in Inherited Optic Neuropathy (ORION)** study is taking place in Cambridge led by the team of Professor Patrick Yu Wai Man. The aim of ORION is to better understand how the disease progresses in Wolfram Syndrome, in particular, how the eye is affected over time.



As a part of this study, we will measure various aspects of your vision, including how well you can read letters on a chart (visual acuity), colour vision, visual fields and contrast. We will also take some high-resolution scans of the back of your eye (retina and optic nerve) to measure its thickness (optical coherence tomography).



We are one of the few centres in the world to have access to an advanced camera known as the Ocumet Beacon, which uses a bright blue light to take a picture of the back of the eye. This will tell us how well the mitochondria in the eye are working. Mitochondria are the tiny batteries within a cell that produce energy needed for it to work properly. There is good evidence that mitochondria are affected in Wolfram syndrome.



As part of this study, we will also record the movement of your eyes using a camera to give us a better understanding of how some brain areas might be affected in Wolfram Syndrome.



**Image displaying the mitochondrial activity in the retina captured using the Ocumet Beacon compared to the image captured using a standard fundus camera.**

**We are keen to recruit individuals in the United Kingdom with:**

- a genetic diagnosis of Wolfram syndrome
- aged 16 years or older

As a participant in this study, your travel expenses will be reimbursed and the visit can be arranged at a time that is convenient for you. If you are interested in getting involved in this study or have any questions, please contact us using the details below:

Email: [riddhima.gautam@nhs.net](mailto:riddhima.gautam@nhs.net)

Phone Number: 01223 586716 (Monday to Friday, 9am-5pm)