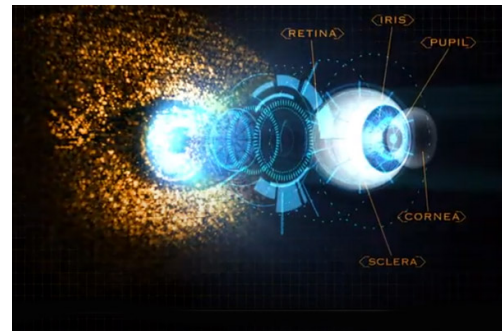


Moorfields joins European project to develop new techniques to diagnose and treat eye diseases

Posted Tuesday, 17 November 2020

Moorfields has joined forces in a European consortium with academic experts in ocular biomechanics and imaging to develop non-invasive techniques to diagnose and customise the treatment of eye diseases.

The project, called IMCUSTOMEYE and funded by the European Commission's Horizon 2020 programme, aims to develop three portable, non-invasive devices for patients with corneal diseases and glaucoma.



Existing procedures to treat conditions of the cornea, the outermost lens of the eye, do not allow for a customised approach. The IMCUSTOMEYE project is intended to address this gap by developing a device to enable customised treatments for individual patients' needs; thereby improving clinical outcomes. Another device is being developed for early diagnosis of corneal disease and more accurate measurements of eye pressure.

What is Moorfields' role in the project?

Moorfields will be testing patients with keratoconus, cataract and glaucoma with two of the devices to validate the new devices' ability to identify corneal disease and measure eye pressure accurately. Professor David (Ted) Garway-Heath, consultant ophthalmologist, is the chief investigator for Moorfields. Ted will be supported by the cornea team led by Daniel Gore, consultant ophthalmic surgeon, and Vincenzo Maurino, consultant ophthalmologist, from the cataract service. Soledad Aguilar-Munoa, research fellow, is also on board to support Ted, Dan and Vincenzo.

The project also includes international companies, selected for their unique technical expertise in the ophthalmic industry and their strategic position in the field; such as the Spanish company 2EyesVision, the German OCULUS and the Swiss Optimeyes and IROC Science.

What's next?

The Moorfields' team is starting to set up the study and will then begin recruiting patients from clinics to take part in the testing. If you are in contact with any patients who might be interested in taking part in testing, please direct them to [**ROAM**](#) (research opportunities at Moorfields).

Further information

Interested in finding out more? Watch the short video (under four minutes) below or [**contact Soledad Aguilar-Munoa**](#), research fellow.



Comments