NEWS RELEASE

For Immediate Release

Smartphone-Based Device Could Detect Glaucoma

Mobile device is comparable to standard eye test in detection ability

Padova, Italy; Pasadena, CA, USA – September 21, 2016 – D-EYE, a leading developer of advanced devices for mass health screenings is pleased to share findings from a study which shows that its groundbreaking portable imaging technology could play an important role in the detection of glaucoma.

Glaucoma is a common age-related disease characterized by a buildup of pressure in the eye. If left undetected and untreated, the condition can cause irreversible damage to the eye resulting in vision loss. Typically, glaucoma is diagnosed during a routine eye test. However, people living in busy, fast-paced or resource-poor societies may inadvertently neglect their eye health. A report published by the UK College of Optometrists noted that 5% of people aged 40+ years had not been for a sight test for at least 10 years or could not recall when they had last had a test.[(1)]

The D-EYE imaging system attaches to a smartphone allowing the user to regularly check their eyes, as well as family members' eyes, for signs of glaucoma. If the disease is detected early enough it can be successfully treated and vision loss largely prevented.

A study published in the *Journal of Glaucoma* in September 2016 compared the smartphone-based EYE Retinal imaging system with slit lamp biomicroscopy, a device used during a standard eye test. Findings from the study, which included 110 patients, showed that there was a high level of agreement in the estimation of a measure used to diagnose glaucoma known as the "Vertical Cup-to-Disc Ratio".

"The ubiquitous diffusion of the smartphones, together with their connectivity and portability features, enables an extensive benefit for this technology to be used in glaucoma screening, especially in low-resource settings." [(2)]

The full study is available for *Journal of Glaucoma* subscribers at this link: http://journals.lww.com/glaucomajournal/Abstract/publishahead/Comparison_of_Smartphone_Ophthalmoscopy_With.98901.aspx

[(1)]The College of Optometrists. Britain's Eye Health in Focus: A snapshot of consumer attitudes and behaviour towards eye health, 2013.

[(1)]Russo, Andrea MD; Mapham, William MD; Turano, Raffaele MD; Costagliola, Ciro MD; Morescalchi, Francesco MD; Scaroni, Nicolò MD; Semeraro, Francesco MD. (2016). Comparison of Smartphone

Ophthalmoscopy With Slit-Lamp Biomicroscopy for Grading Vertical Cup-to-Disc Ratio. *Journal of Glaucoma*, 25(9), 777-781.

About D-EYE

Founded in 2014, with offices in Padova, Italy and Pasadena, CA, D-EYE Srl offers a "digital eye" into the state of the human body. The company designs and manufactures mobile sensing and examination devices, along with companion applications, that make possible mass health screenings and data collection to improve access to vital health examination services. D-EYE also develops and operates cloud-based Platform-as-a-Service (PaaS) systems that enable telehealth applications, and aggregate and analyze health-screening data to provide insight into individual conditions as well as trends across patient populations. The company's first product, developed in part with a grant from the Fondazione Cottino and with support from the University of Brescia (Italy), the revolutionary D-EYE Smartphone-based Retinal Imaging System focuses on eye care; subsequent mobile-health products and services will target screening and evaluation of other medical conditions and pathologies. For more information, please visit www.d-eyecare.com

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