

RetinalGenix system-Retinalcam

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Abstract

A 200 degree FOV ophthalmic imaging camera screening device. The device would be affordable and easy to use by not only by Ophthalmologists, Optometrists, Opticians, and eye care professionals but by other medical specialties as well to prevent blindness. General practitioners, pediatricians and hospitals are screening sites. The imaging system would allow for retinal imaging fast, efficient, easy to operate and through an undilated pupil for mass screening. As the earliest signs of diabetes is detected by vascular changes in the peripheral retina and diabetes is the most common cause of blindness, early detection would reduce the dire onset of diabetic retinopathy DR, diabetic macula edema DME

Retinalcam

A patient home undilated monitoring imaging system with physician alert for the monitoring by patients themselves. These patients are considered high risk for loss of sight and eventual blindness. Immediate intervention is needed in patients with diabetic retinopathy, AMD (wet and dry), optic neuritis, hemorrhage, stroke, vasculitis, optic neuritis and other pathologies. Once identified by their physician, continuous home monitoring becomes not only possible but sight saving. The recent New England Journal of Medicine emphasized the value of home monitoring in modern patient management.