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order to distinguish it from the other pixels of the image. The simulations of this study are implemented with MATLAB, and the results are procured successfully.

Published in: 2020 9th International Conference System Modeling and Advancement in Research Trends (SMART)

Date of Conference: 04-05 December 2020	DOI: 10.1109/SMART50582.2020.9337092	
Date Added to IEEE Xplore: 04 February 2021	Publisher: IEEE	
ISBN Information	Conference Location: Moradabad, India	



I. Introduction

Eye is a nested structure of layers, with the retina being the focal and indispensable layer that enables penetration of light and color. This vital organ of the human body is constructed in a manner that an image formed is perceived when light travels through it. Retina is the focal point of the eye, analogous to the operation of shooting pictures using a camera. The image clarity in a human eye is enhanced through levels when the visual lens pivots the image on the retina. Consequently, the retina transmutes the assimilated kinesics as signal wave to the brain through the 222 optic axons. Retina therefore plays a rudimentary role in visualization for an individual. The Sign in to Continue Reading in the retina is done through the choroid and retinal vessels. These inner layers comprise of fluids called as the aqueous and vitreous humor, and the lens itself [8], [9]. The correlation between the retina, the fluids, lens and the cornea are depicted in the figure below. Fig. 1:

Anatomy of the eye with relevance to retina

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