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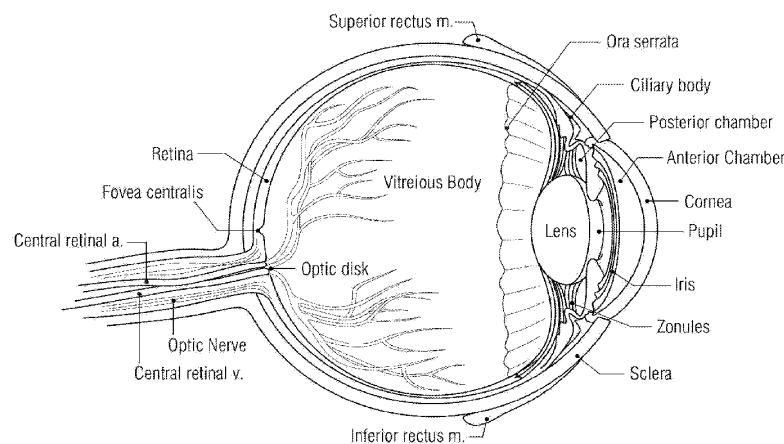


Fig. 1: Ocular Anatomy

(57) Abstract: Disclosed are systems, devices and methods for laser microporation for rejuvenation of tissue of the eye, for example, regarding aging of connective tissue and rejuvenation of connective tissue by scleral rejuvenation. The systems, devices and methods disclosed herein restore physiological functions of the eye including restoring physiological accommodation or physiological pseudo-accommodation through natural physiological and biomechanical phenomena associated with natural accommodation of the eye. In some embodiments, the laser system may be configured to treat ocular tissue off axis or in a region of the eye which is distinct from the visual axis or directed away from the pupil of the eye where the gaze of the eye is.

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