**ABSTRACT**

The cornea is the outer layer of the eye, the surface covering the front of the eye. The structural and repair properties of the cornea are essential for its function: protecting the inner contents of the eye, maintaining the shape of the eye, and achieving light refraction. The cornea is composed of proteins and cells and does not contain blood vessels, unlike most tissues in the human body existence of blood vessels may affect its transparency, which in turn may affect the proper light refraction, hence worsening vision. Because there are no blood vessels that supply nutrients in the cornea, tears and aqueous humor provide nutrients to the cornea. cornea is composed of five layers: the epithelium, the Bowman’s layer, the stroma, Descemet’s membrane, and the endothelium. The first layer, the epithelium, is a cell layer that covers the cornea. This layer absorbs oxygen from tears and passes it to the rest of the cornea. The cornea also contains free nerve endings.

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