

ABSTRACT

Corneal Collagen Crosslinking (CXL) is a method that has been established as the treatment of choice for kerato-conus. Corneal strengthening is achieved with the use of riboflavin (vitamin B2) in combination with ultraviolet radiation UV-A. According to clinical trials conducted in the last years and based on the latest publications, this technique has advanced. The time needed for the procedure has been drastically decreased, and this is achieved by increasing the energy of the UV-A radiation. This constitutes a safe method with encouraging clinical results. The method's success is based on its safety, the improvement in visual acuity, as well as the arrest of the progression of keratoconus, as can be seen by the improvement of the keratometric parameters.

Key words: keratoconus, corneal collagen crosslinking,
CXL, accelerated CXL