

Stabilität der Hornhautkrümmung nach radiärer Keratotomie – Eine Erklärung der progressiven Hyperopisierung?

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Abstract: For correction of lower myopia radial keratotomy is performed since 20 years. Almost 40% of the operated patients show a progressive hyperopia in long-term follow up studies. The intraocular pressure of 26 patients after radial keratotomy were increased up to 45mm Hg with an ophthalmodynamometer and a tilting table. Because of the increase of intraocular pressure the corneal periphery steepens and the center flattens. This could be seen as with a computer-assisted corneal fotokeratoskope. Due to the intraocular pressure and the abnormal corneal wound healing at radial incisions the cornea exerts a loss of stability which leads to progressive hyperopia.