

**PHOTOREFRACTIVE KERATECTOMY
OF COMPOUND MYOPIC
ASTIGMATISM, ITS QUALITY AND
SAFETY COMPARED TO TREATMENT
OF SIMPLE MYOPIA**

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Purpose: Myopic PRK up to 6D is regarded a safe and predictable procedure. For treatment of compound myopic astigmatism this has yet to be approved.

Methods: From Nov. 1993 to July 1997, 1863 PRKs have been performed with the Keracor 116 and results after 6/12 months of 486/342 eyes are compared.

Results: the average preOP astigmatism of 2.24D could be reduced to 0.64/0.53D 6/12 months postOP. BVA for the group with simple myopia was 1.01 (preOP 1.06), 4/1 eyes had lost two lines after 6/12 months. In the astigmatism group, BVA was 0.91 one year postOP (preOP 0.83). 3/1 eyes had lost two lines.

Conclusion: Our experience with the Keracor shows treatment up to -6D with or without additional correction of the astigmatism to be comparatively safe. Long term results cannot be predicted with our limited experience.