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IMPLANTATION OF TORIC PIGGY BACK IOL IN PSEUDOPHAKIC EYES TO CORRECT HIGH CORNEAL ASTIGMATISM

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ABSTRACT

Purpose:
To assess the potential in correcting corneal astigmatism in pseudophakic eyes after perforating Keratoplasty with a secondary implantation of a konvex-koncav toric silicon IOL

Setting:
University Hospital Mannheim

Methods:
6 patients with high corneal astigmatism (6.78 dpt (± 1.14; 4.0 - 12.0 dpt)) after Keratoplasty underwent secondary implantation of a toric silicon intraocular lens (MicroSil Toric, Dr. Schmidt/ Human Optics™) in the ciliary sulcus to correct anisometropia. Surgery was performed by one surgeon under topical anaesthesia through a 3.0 mm clear corneal incision.

Results:
It was possible in every case to implant the IOL without complications. Postoperatively it was possible to correct the residual refraction with glasses. The mean postoperative Astigmatism was 1.82 dpt (± 0.59; 0.5 - 2.25 dpt) in a follow up period of 19 month (± 4.2 month). In the follow up period no further surgical intervention was necessary

Conclusion:
The secondary implantation of a toric silicon lens in the ciliary sulcus may be an effective alternative to correct high corneal astigmatism in pseudophakic eyes after perforating keratoplasty or ametropia in pseudophakic eyes Finacial Disclosure No