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Service (sector) Refractive Surgery N° CEP

IRIS CLAW PHAKIC INTRAOCULAR LENS (WORST-FECHNER) 9 FIRST CASES

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ABSTRACT

Background - The implantation of a Worst-Fechner iris claw intraocular lens (IOL) is one of the surgical procedures used for the correction of high myopia and hyperopia. This technique reduces the high ametropias with stable refractive results; however, its potential long-term risks have not been evaluated. We report results in 9 eyes.

Methods - We studied 9 eyes with myopia > - 14.00 diopters(D) who underwent Worst-Fechner IOL implantation. Lens decentration, glare, anterior chamber reaction, ocular hypertension, hyphema and other complications were analyzed.

Results - Mean follow-up time was 2 months (range 1 to 3 mo). Three eyes (33%) had an uncorrected visual acuity 20/20, seven eyes (77%) gained one or more lines of spectacle-corrected visual acuity with respect to the preoperative value.

Conclusions - The implantation of Worst-Fechner iris claw phakic IOL reduced high myopia with a stable refractive outcome. More follow-up time is necessary for evaluate the other complications.