

Back is better! Posterior iris IOL fixation as a gold standard in the correction of aphakia

Authors: Cesare Forlini, Matteo Forlini, Paolo Rossini, Ravenna, Italy

Advantages:

The Authors present the use of iris-claw IOL fixation onto the posterior iris surface. The purpose of this technique is to eliminate tilting of the IOL into the anterior chamber (thus achieving a better aesthetic result) and allowing more physiological location of the IOL in the posterior chamber.

Methods:

From May 2002 to December 2008 225 implants of posterior iris-claw IOL in several cases such as post-traumatic aphakia, complications of cataract surgery, IOL exchange for lens (sub)luxation. All procedures were performed together with 20 gauge and from 2004 25 gauge and later 23 gauge triamcinolone-assisted anterior or complete vitrectomy.

Effectiveness / Safety:

The choice of a posterior iris-claw IOL implant allows restoration of the normal anterior segment situation, avoiding long-term corneal or angle damage; reducing inflammation because scleral flaps are not needed. Used in combination with transconjunctival high speed vitrectomy, this solution represents a new standard for secondary IOL implant. In our series 1 case of complete luxation and 3 cases of subluxation solved with re-enclavation of the haptic were observed.

Take home message:

The posterior iris-claw IOL is the gold standard in this mini-invasive surgery.