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| **Secondary Surgical Interventions in myopic eyes implanted with an IF-pIOL** | | | | | |
| Study | Publication | Total eyes (count) | Eyes treated (count) | Treated (%) | Reasons |
| Asano-Kato et al. | 2005 | 44 | 0 | 0 | - |
| Baikoff et al. | 2005 | 137 | 1 | 0.7 | 1 eye (0.7%) pIOL exchange due to pigment dispersion, note study only reporting on pigment dispersion |
| Benedetti et al. | 2007 | 49 | 0 | 0 | - |
| Benedetti et al. | 2005 | 93 | 0 | 0 | - |
| Bohac et al. | 2016 | 198 | 1 | 0.5 | 4 eyes (2%) re-enclavation due to inadequate enclavation; 1 eye (0.5%) repositioning due to decentration after trauma (after 27 months) |
| Bouheraoua et al. | 2015 | 68 | 2 | 2.9 | 1 eye (1.4%) pIOL repositioning after 3 years; 1 eye (=1.4%) pIOL exchange due to refractive error |
| Budo et al. | 2000 | 249 | 22 | 8.8 | 6 eyes (2.4%) repositioning of pIOL; 7 eyes (2.8%) explantation pIOL (1 wide pupil diameter, 1 EC-loss, 2 trauma, 3 cataract); 8 eyes (=3.2%) IOL exchanges for different power; 1 eye (0.4%) ACRS |
| Chebli et al. | 2018 | 113 | 1 | 0.9 | 1 eye (0.81%) pIOL explantation due to EC loss (after 7 years) |
| Guell et al. | 2008 | 274 | 9 | 4.5 | 3 eyes (0.75%) pIOL explanted due to ECC loss; 2 eyes (0.5%) explanation pIOL due to nuclear cataract; 1 eye (0.25%) macular hemorrhage (after 4 months), 1 eye (0.25%) retinal detachment (after 3 years), 3 eyes (0.75%) pIOL re-enclavation (2 trauma; 1 spontaneously) (not specified which group) |
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| Landesz et al. | 2000 | 67 | 1 | 0.9 | 1 eye repositioning due to decentration |
| Landesz et al. | 2001 | 78 | 6 | 0.9 | 2 eyes (2.6%) pIOL exchange due to undercorrection, 2 eyes (2.6%) pIOL explantation due to cataract, 2 eyes (2.6%) pIOL exchange due to glare/halo |
| Menezo et al. | 2004 | 137 | 2 | 1.5 | 2 eyes (1.46%) pIOL explantation due to nuclear cataract (54.83±22.12 months, at patient age 53 and 56 years) |
| Moshifar et al. | 2014 | 213 | 7 | 3.3 | 5 eyes (2.3%) pIOL explantation due to cataract (after mean of 9.3 years (R 4.0-12.6) at mean age of 55 years (R 46-62); 2 eyes (0.9%) corneal decompensation |
| Moshirfar et al. | 2007 | 85 | 5 | 5.9 | 3 eyes (3.5%) re-enclavation (2 after trauma, 1 surgeon error); 1 eye (1.2%) pIOL removal after IOP spikes and cataract development; 1 eye (1.2%) pIOL exchange due to undercorrection |
| Qasem et al. | 2010 | 151 | 10 | 6.6 | 8 eyes (5.3%) pIOL re-enclavation (4 eyes (2.6%) after trauma in, 4 eyes (2.6%) inadequate enclavation); 2 eyes (1,3%) retinal detachment (after 2 years); 27 eyes (17.9%) ACRS |
| Senthil et al. | 2006 | 60 | 3 | 5 | 1 eye (1.6%) pIOL explantation and trabeculectomy due to medically uncontrolled glaucoma; 1 eye (1.6%) pIOL repositioning after trauma ; 1 eye (1.6%) pIOL explantation after trauma; note 0% retinal detachment but 100% prophylactic panretinal laser photocoagulation |
| Shajari et al. | 2016 | 95 | 1 | 1.1 | 1 eye (1.1%) pIOL re-enclavation |
| Silva et al. | 2008 | 26 | 2 | 7.7 | 1 eye (3.88%) pIOL explantation due to cataract; 1 eye (3.8%) pIOL was explanted due to glare/halo's |
| Stulting et al. | 2008 | 1179 | 41 | 3.5 | 13 eyes (1.1%) pIOL explantation (3 eyes (0.25%) nuclear cataract; 4 eyes (0.3%) trauma; 1 eye (0.08%) pupil>optic; 3 eyes (0.25%) inflammatory response; 2 eyes (0.17%) patient request); 12 eyes (1.0%) pIOL exchange (8 eyes (0.7%) power calculation error, 2 eyes (0.2%) pupil>optic; 2 eyes (0.2%) inadequate surgical fixation); 10 eyes (0.8%) pIOL re-enclavation (5 eyes (0.4%) trauma, 5 eyes (0.4%) inadequate surgical fixation); 6 eyes retinal repairs (0.51%) (4 eyes (0.3%) retinal detachment, 2 eyes (0.2%) macular hole) |
| Tahzib et al. | 2007 | 89 | 3 | 3.4 | 1 eye (1.1%) ACRS; 2 eyes (2.2%) pIOL explantation cataract (at 6 years FU) |
| Titiyal, et al. | 2012 | 85 | 23 | 27.1 | 20 eyes (23.5%) pIOL repositioning (12 eyes (14%) (risk of) disenclavation; 8 eyes (9.4%) after trauma); 1 eye (1.2%) EC-loss; 2 eyes (2.4%) retinal pathology (1 eye (1.2%) retinal detachment (after 3 months); 1 eye (1.2%) retinal tear (at 3 years FU)) |
| Yasa et al. | 2014 | 62 | 0 | 0 | - |
| Yuan et al. | 2011 | 84 | 0 | 0 | - |
| -= no data available; (IF)-pIOL=(iris-fixated) phakic intraocular lens; EC=endothelial cell; ACRS=additional corneal refractive surgery; FU=follow-up; No.=number | | | | | |

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| Baikoff et al. | 2005 | 136 | 3 | 2.2 | 3 eyes (2.2%) explanted due to severe pigment dispersion |
| Qasem et al. | 2010 | 14 | 4 | 28.6 | 4 eyes (28.6%) ACRS |
| Guell et al. | 2008 | 41 | 19 | 46 | 2 eyes (4.9%) pIOL exchange due to residual refractive error; 17 (41.4%) eyes ACRS |
| Saxena et al. | 2003 | 26 | 2 | 7.7 | 2 eyes (7.7%) pIOL explantation due to posterior synechiae and pigment cell deposits; 2 eyes posteroir synnechiae and pigment cell without consequences (convex iris configuration) |
| (IF)-pIOL=(iris-fixated) phakic intraocular lens; ACRS=additional corneal refractive surgery; | | | | | |