

Bag-in-the-Lens in children with cataract.

The use of intra ocular lenses (IOLs) in cataract surgery in adults, is uncontroversial. IOL use in children depend upon age. Children above 2 years of age will probably receive an IOL as a routine procedure. In children below 1-2y the use of IOLs has dropped after recently shown high rate of events leading to secondary surgical interventions mainly due to Visual Axis Opacification (VAO). The Bag-in-the-lens (BiL)-IOL technique encloses the capsular bag which blocks migration of lens epithelial cells over the optic axis and thereby minimizes VAO. The BiL-IOL is hydrophilic and the postoperative inflammation is low which prevents formation of synechiae and makes the IOL easy to exchange, should the ocular growth of any reason deviate from expected. If surgery is performed after 6 weeks of age the rate of secondary glaucoma is low. In unilateral congenital cataracts visual acuity exceeds 0.4 decimal in 1/3 of the eyes.

In conclusion: The BiL-IOL technique combines a low rate of postoperative events with a good optic for the growing eye.