1. Record Nr. UNINA9910337517203321 Innovative Implantation Technique: Bag-in-the-Lens Cataract Surgery **Titolo** // edited by Marie-José Tassignon, Sorcha Ní Dhubhghaill, Luc Van Os Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2019 **ISBN** 3-030-03086-5 Edizione [1st ed. 2019.] Descrizione fisica 1 online resource (217 pages) 617.742059 Disciplina Soggetti Ophthalmology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Part I: Why use the BIL? -- The History of the Bag-in-the-lens Implant -- Advantages of the Bag-in-the-lens Implant -- Histopathological Aspects of Bag-in-the-lens Implantation -- The history of the anterior interface -- Clinical Variations of the Vitreo-Lenticular Interface -- Part II: BIL Cataract Surgery -- Technical specifications of the Bag-in-the-Lens implant -- The evolution of the anterior capsulotomy -- The BIL Anterior Capsulorhexis -- The Posterior Capsulorhexis -- Lens preparation and folding -- BIL Lens insertion -- Toric BIL implantation -- The BIL exchange technique -- Femtosecond Bag-in-the-lens Cataract Surgery -- Part III: Complex Cases -- The Small Pupil -- BIL in patients with uveitis -- Zonulolysis and lens luxation -- Scleral Anchoring of the Modified Bean-Shaped Ring Segments -- Combined BIL and vitrectomy -- IOL dislocation and the Diving BIL -- Preparing Pediatric Cataract Patients for BIL Cataract Surgery -- Giessen results after BIL in the pediatric population. Sommario/riassunto This book provides a complete overview of the bag-in-the-lens implantation technique written by the pioneering force herself. The technique first developed for the adults and later for paediatrics has had overwhelmingly positive outcomes in reduction of posterior capsular opacification and stability. Nowadays, it is used as a primary approach in all patients with cataract. The initial version of the bag-inthe-lens implant is a monofocal spherical hydrophilic intraocular lens

comprised of a 5mm bi-convex optic with two elliptical plane haptics.

Bag-in-the-Lens Cataract Surgery guides through the steps required to achieve successful implantation in a concise and highly illustrated format to portray how to effectively perform this surgery. The toric version was launched in 2009 and the diffractive version is on its way. New and experienced ophthalmic surgeons will find this guide to be an indispensable resource for utilizing this technique to successfully treat adult and paediatric cataract patients in their daily clinical practice. .