

1. Record Nr.	UNINA9910162992703321
Titolo	Pediatric cataract // volume editor, Paolo Nucci
Pubbl/distr/stampa	Basel, [Switzerland] : , : S. Karger, , 2016 ©2016
ISBN	3-318-05820-3
Descrizione fisica	1 online resource (121 p.)
Collana	Developments in Ophthalmology, , 1662-4882 ; ; Volume 57
Disciplina	617.742059
Soggetti	Cataract - Surgery Cataract - Surgery - Complications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"22 figures, 19 in color, and 3 tables, 2016"--Cover.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; Front Matter; Contents; List of Contributors; Preface; Genetics of Congenital Cataract; Abstract; Embryology; Major Structural Proteins of the Lens; Inherited Nonsyndromic Cataract Phenotypes; Molecular Genetic Approaches; Genes Implicated in Cataractogenesis; Cataracts Arising from Chromosomal Aberrations; Genetic Counseling; Conclusions; References; State of the Art in Pediatric Cataract Surgery; Abstract; Timing of Surgery; Which Operation to Choose?; Biometry; The Size of the Intraocular Lens; Intraocular Lens Material; Lens Power; Operative Considerations Size and Position of the WoundAnterior Capsule Management; Lens Aspiration; Posterior Capsule Management; Anterior Vitrectomy; Wound Closure and Removal of Viscoelastic Material; Perioperative Medications; References; Changes in Ocular Growth after Pediatric Cataract Surgery; Abstract; Normal Ocular Growth in Children; Animal Models of Ocular Growth Following Lensectomy; Ocular Growth after Pediatric Cataract Surgery; Rate of Refractive Growth; Targeted Refractive Error and Prediction Error after Intraocular Lens Implantation; Conclusions; References Incidence of and Risk Factors for Postoperative Glaucoma and Its Treatment in Paediatric Cataract SurgeryAbstract; Incidence; Risk Factors for Postoperative Glaucoma; Treatment; References; Visual Rehabilitation in Pediatric Aphakia; Abstract; Ocular Growth; Initial Rehabilitative Choices; Aphakic Spectacles; Contact Lenses; Intraocular

Lenses; Target Refractive Error; Secondary Intraocular Lens Implantation; Amblyopia Therapy; Follow-Up Care; Summary of Key Outcomes from the Infant Aphakia Treatment Study; References; Complications of Pediatric Cataract Surgery; Abstract Posterior Capsule Opacification or Visual Axis Opacification Glaucoma and Transient Ocular Hypertension; Retinal Detachment; Endophthalmitis; Toxic Anterior Segment Syndrome; Cornea; Anterior Chamber; Iris and Pupil; Intraocular Lens; Anterior Capsule Fibrosis and Phimosis; Hemorrhagic Retinopathy; Cystoid Macular Edema; Ptosis; Hypotony; Phthisis Bulbi; Refractive Error; Conclusions; Acknowledgment; References; Complex Cases in Pediatric Cataract; Abstract; Retinoblastoma; Cataract in Retinopathy of Prematurity; Lenticonus; Anterior Lenticonus; Posterior Lenticonus Congenital Rubella Syndrome Traumatic Cataracts; Microcornea; Pediatric Uveitic Cataract; Syndromic Cataracts; Subluxated Lenses; Cataract Surgery after Previous Intraocular Surgery; Retinal Surgery; Keratoplasty; References; Delphi Process in the Management of Pediatric Cataract; References; Subject Index; Cover

---

Sommario/riassunto

This volume presents the latest trends in the management of pediatric cataract. It covers everything from the role of genetic and systemic work-up to the state of the art in surgery. Discussions include ocular modifications after surgery, the incidence and risk factors of post-surgery complications, and the management of complex cases. There is a chapter dedicated to post-aphakic glaucoma, a new insight to visual rehabilitation, and a summary of a recently published Delphi project. Pediatric ophthalmologists looking for the latest research in the management of cataract will find this publication to be invaluable reading. It will also be useful to general ophthalmologists, residents, and fellows, as well as to medical students and pediatricians who seek an update for daily clinical practice.

---