

1. Record Nr.	UNINA9910300349003321
Titolo	Cataract Surgery: Maximizing Outcomes Through Research [[electronic resource] /] / edited by Hiroko Bissen-Miyajima, Douglas Donald Koch, Mitchell Patrick Weikert
Pubbl/distr/stampa	Tokyo : , : Springer Japan : , : Imprint : Springer, , 2014
ISBN	4-431-54538-7
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (213 p.)
Disciplina	610 617 617.7
Soggetti	Ophthalmology Surgery Medicine Medicine/Public Health, general
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Preface -- Acknowledgments -- Pupil Size and Postoperative Visual Function -- Evaluation of Visual Function in Pseudophakic Eyes and Phakic Eyes in Various Age Groups -- Screening Cataract Surgery Candidates with Corneal Topographer -- Intraocular Lens Power Calculations in Long Eyes -- Using Optical Coherence Tomography for IOL Power Calculations in Eyes with Prior Ablative Corneal Surgery -- Corneal Astigmatisms and Postoperative Visual Acuity -- Cataract Wound Size and Astigmatism -- Correction of corneal astigmatism with toric IOLs -- Corneal Astigmatic Correction by Femtosecond Laser Incisions -- Fluidics of Phacoemulsification Systems -- The optic edge and adhesive property of an intraocular lens influences lens epithelial cell migration under the optic -- Femtosecond Techniques in Cataract Surgery -- Optical Bench Testing of IOLs -- Image Quality in Eyes with Premium Multifocal Intraocular Lens Simulation of the Patients' View -- Image quality of the eye with a premium IOL -- simulation of the retinal surgeon's view -- Glistenings and their Influence on Visual Function -- IOL Surface Light Scattering and Visual Function.

Cataract Surgery: Maximizing Outcomes Through Research provides cataract surgeons with helpful information about cataract operations based on the latest fundamental and clinical research. This book comprehensively covers a wide range of topics from the basic principles of each treatment to today's hot topics such as femtosecond laser application, cataract surgery, and new intraocular lenses (IOLs) with accommodating or light-adjustable function. Detailed cutting-edge discussion is provided in each chapter with the addition of diagrams, photographs, and tables to help readers better understand the subject. Authored by leading international experts, the book covers topics from preoperative evaluations to postoperative care including evaluation of accommodation and pseudo-accommodation, glistening and visual function, the eye's image quality with a premium IOL, IOL power calculations, pupil size and postoperative visual function, posterior capsular opacity, corneal astigmatism, femtosecond laser techniques, and more. Cataract Surgery: Maximizing Outcomes Through Research is the perfect book for cataract surgeons and general ophthalmologists who wish to update their knowledge and make use of it in their everyday medical practice.
