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Titolo	Surgical Correction of Astigmatism / / edited by Jean-Luc Febrero, Hamza N. Khan, Douglas D. Koch
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ISBN	3-319-56565-6
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XII, 185 p. 24 illus., 21 illus. in color.)
Disciplina	617.7
Soggetti	Ophthalmology Surgery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	CATARACT PATIENTS: Optimization of Surgical Techniques and Pearls to Understanding Astigmatism -- Using Vector Analysis to Calculate SIA and Residual Astigmatism -- Astigmatic Effects of Clear Corneal Incisions -- Optimization of Toric IOL Calculation -- Clinical Implications of Posterior Corneal Astigmatism -- Improving Axis Alignment -- Preoperative Evaluation: 10 Key Points to Remember -- Surgical Correction of Astigmatism with Incisional Techniques: Tips and Tricks -- Surgical Correction of Astigmatism with Toric IOLs: Achieving the Refractive Target -- Correction of Corneal Astigmatism with Femtosecond Relaxing Incisions -- Nomogram Development for Femto-Relaxing Incisions -- Multifocal Toric IOLs: Patients Selection and Refractive Results. REFRACTIVE PATIENTS: Topographic Analysis and the Current Standard for Keratoconus Screening -- Principles of Photoastigmatic Photoablation -- Excimer Laser Correction of Astigmatism: Clinical Results with Various Laser Platforms -- Compensation of Cyclotorsion -- Topography Guided Excimer Laser Surgery: Indications and Techniques -- Collagen Crosslinking Excimer Laser Surgery: Indications and Techniques -- Surgical Management of Astigmatism in Adolescents -- Evaluation and Management of Posterior Astigmatism in Pediatric Ophthalmology -- Surgical Correction of Astigmatism after PK.
Sommario/riassunto	This book offers a state of the art review of the surgical techniques that

can be employed for the management of astigmatism, with the aim of providing a clear, comprehensive, step-by-step guide that will help practitioners to optimize outcomes in daily practice. The book is divided into two sections covering cutting-edge surgical approaches in cataract and refractive patients. In addition to describing options including incisional techniques, toric intraocular lenses, and femtosecond laser technology, the cataract section identifies key points in preoperative evaluation and examines the clinical impact of the most recent relevant clinical research. The refractive section explains the fundamentals of excimer laser treatment and discusses the clinical results achieved with different laser platforms. In addition, specific attention is devoted to surgical management of astigmatism after penetrating keratoplasty. The authors are renowned experts who offer the benefit of many years of clinical experience and highlight pearls that will help readers to replicate their results. Supplementary videos of informative sample cases are included to further aid everyday practice.
