

1. Record Nr.	UNINA9911035048103321
Autore	Alio Jorge L
Titolo	Management of Complications in Refractive Surgery // edited by Jorge L. Alió, Dimitri T. Azar, Jorge L. Alió del Barrio
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	9783031953613
Edizione	[3rd ed. 2025.]
Descrizione fisica	1 online resource (1034 pages)
Collana	Medicine Series
Altri autori (Persone)	AzarDimitri T Alió del BarrioJorge L
Disciplina	617.7
Soggetti	Ophthalmology Endoscopic surgery Minimally Invasive Surgery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Section 1: Complications of Corneal Refractive Surgery: LASIK Intraoperative Complications -- Chapter 1. Thin, Irregular, and Buttonhole Flaps -- Chapter 2. Intraoperative Flap Complications in LASIK: Prevention and Management of Free Flaps -- Chapter 3. Management of the Distorted Flap -- Section 2: Complications of Corneal Refractive Surgery: SMILE Intraoperative Complications -- Chapter 4. Uncollaborative Patient and Suction Losses -- Chapter 5. Lenticule Creation Complications: OBL, Black Spots and Treatment Decentrations -- Chapter 6. Lenticule Extraction Complications: Retained Fragments, Incision Tears, Cap Perforation, and False Dissection Plane -- Section 3: Complications of Corneal Refractive Surgery: LASIK and SMILE Postoperative Complications -- Chapter 7. Scarring -- Chapter 8. Infections After Refractive Surgery -- Chapter 9. Diffuse Lamellar Keratitis (DLK) -- Chapter 10. Pressure-Induced Interlamellar Stromal Keratitis and Persistent Epithelial Defect (PED) Masquerade Syndrome -- Chapter 11. Small Incision Lenticule Extraction (SMILE) Complications -- Chapter 12. Prevention and Management of Flap Striae After LASIK -- Chapter 13. Marginal Sterile Corneal Infiltrates After LASIK and Corneal Procedures -- Chapter 14. Melting -- Chapter 15. Dry Eye -- Chapter 16. Post-LASIK Corneal Dysesthesia -- Chapter 17. Epithelial Ingrowth -- Chapter 18. Corneal

Ectasia -- Chapter 19. Ptosis -- Section 4: Complications of Corneal Refractive Surgery: Surface Ablation Complications -- Chapter 20. Complications of Laser Epithelial Keratomileusis (LASEK) -- Chapter 21. Corneal Haze After Refractive Surgery -- Section 5: Complications of Corneal Refractive Surgery: Refractive Miscalculation -- Chapter 22. Refractive Miscalculation with Refractive Surprise - Sphere -- Chapter 23. Astigmatism Surprise After Refractive Surgery -- Section 6: Complications of Corneal Refractive Surgery: Optical Aberrations and Corneal Irregularities -- Chapter 24. Causes of Higher-Order Aberrations Induction in Excimer Laser and Femtosecond Surgery -- Chapter 25. Night Vision Disturbances Following Refractive Surgery: Causes, Prevention, and Treatment -- Chapter 26. Decentration -- Chapter 27. Corneal Irregularity Following Refractive Surgery: Causes and Therapeutic Approaches -- Chapter 28. Treatment of the Aberrated Cornea with Wavefront Guided Excimer Laser Surgery -- Section 7: Complications of Corneal Refractive Surgery: Other Corneal Refractive Surgical Procedures -- Chapter 29. Complications of Corneal Collagen Cross-Linking -- Chapter 30. CXL for Post-LASIK Ectasia -- Chapter 31. Complications for Refractive Keratotomy -- Chapter 32. Management Complications of Intracorneal Ring Segment Implantation -- Chapter 33. Corneal Inlays: Complications -- Chapter 34. EDOF and Multifocal Lenses -- Section 8: Refractive Lens Exchange Complications -- Chapter 35. Complications of Multifocal Intraocular Lenses -- Chapter 36. Refractive Surprise After Cataract Following Corneal Refractive Surgery -- Chapter 37. Refractive Lens Exchange and Choroidal Neovascularization -- Chapter 38. Multifocal IOL and EDOF Lenses Neuroadaptation Failure -- Chapter 39. Retinal Complications Following Refractive Lens Exchange and Phakic IOL -- Section 9: Phakic Intraocular Lens Complications -- Chapter 40. Complications of Anterior Chamber Angle-Supported Phakic Intraocular Lenses -- Chapter 41. Complications of Iris-Supported Phakic IOLs -- Chapter 42. Complications of Posterior Chamber Phakic IOLs -- Chapter 43. Bilensectomy Procedures -- Section 10: Optic Nerve, Retina, and Binocular Vision -- Chapter 44. Optic Neuropathy and Retinal Complications After Corneal Refractive Surgery -- Chapter 45. Effect of Refractive Surgery on Strabismus and Binocular Vision -- Chapter 46. Diplopia Following Refractive Lens Exchange -- Chapter 47. Complications Related to Femtosecond Laser-Assisted LAISK -- Section 11: Refractive Surgery Outcomes and Quality of Life -- Chapter 48. Refractive Surgery Outcomes and Frequency of Complications -- Chapter 49. Influence of Refractive Surgery Complications on Quality of Life -- Chapter 50. Predicting the Unhappy Patient and Patient Expectations.

---

## Sommario/riassunto

Refractive surgery is practiced on patients worldwide. This book serves as a comprehensive reference for refractive surgeons, not only to help them in their clinical and surgical practices, but also to provide an academic approach to the study of the complications of refractive surgical techniques, including Premium IOLs. The third edition of this book contains new chapters that cover the management of complications of new important surgical approaches, such as multifocal intraocular lenses, premium lenses, extended depth of field lenses, femtosecond laser corneal surgery and others. In addition, chapters from the previous edition were updated, including chapters covering intraoperative complications (e.g. intraocular refractive surgery, femtosecond laser, LASIK and KLEX, refractive lens exchange, corneal refractive surgery), early post-operative complications and late post-operative complications. This book provides ophthalmic surgeons and particularly refractive and cataract surgeons with appropriate solutions

for the most frequent problems they would face in their daily practice.

---