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Nota di contenuto	Intro -- Foreword -- Preface -- Contents -- Contributors -- Panorama of the Treatment of Keratoconus in 2020 -- References -- Corneal Biomechanics and Integrated Parameters for Keratoconus Diagnosis -- Introduction -- Ocular Response Analyzer -- Corvis ST Dynamic Scheimpflug Analyzer -- Integrated Parameters -- Conclusions -- References -- Corneal Topography, Corneal Tomography, and Epithelial Maps in Keratoconus -- Introduction -- Epithelial Thickness Profile in Normal Eyes -- Epithelial Thickness Profile in Keratoconic Eyes -- Understanding the Predictable Behavior of the Corneal Epithelium -- Diagnosing Early Keratoconus Using Epithelial Thickness Profiles -- Pattern of Epithelial Thickness Profile -- Case Examples -- Automated Algorithm for Classification by Epithelium -- Conclusion -- References -- Histopathological Findings in Keratoconus -- Histopathological Findings in Keratoconus -- References -- Customized Corneal Cross-Linking -- Theoretical Background -- Technical Requirements and Limitations -- Clinical Experience -- References -- An Essential Guide to Treat Primary Ectasia with Intracorneal Segments -- Basic Concepts of Additive Surgery -- Anatomy of Intracorneal Rings

Segments (ICRS) -- Material -- Apical Diameter -- Base -- Measures: Millimeters vs Microns -- Section -- External Edge -- Inner Edge -- Ends -- Thickness -- Effects of the Different Segments Within the Corneal Stroma -- Asymmetric Segments -- Corneal Ectasia: Classification Based on Their Origin and Structural Behavior -- Ectasia After a Refractive Surgery (LASIK) (Fig. 8 - Left) -- Asymmetries Post Penetrating Keratoplasty (PK) -- Ectasia or Post-corneal Wounds (Fig. 8, Center Right) -- Primary Ectasia (Fig. 8, Right) -- Patterns of Primary Ectasia -- Stages of Primary Ectasia -- Stage 1 -- Stage 2 -- Stage 3 -- Stage 4 -- ICRS Treatment in Stadium 1. ICRS Treatment in Stadium 2 -- Stage 3 -- Stage 4 -- Chronic Apical Distal and Late Keratitis (CADLK) -- Bibliographic References -- Phakic Intraocular Lens in Keratoconus -- Phakic Intraocular Lenses -- Criteria for Phakic Intraocular Lens Implantation in Keratoconus Patients -- Phakic Intraocular Lens Power Calculation -- Implantable Collamer Lens for Keratoconus -- Surgery (Video 1) -- Outcomes -- Summary -- References -- Excimer Laser and Keratoconus -- Customized Ablation in Patients with Post-intracorneal Ring Implantation and Corneal Remodeling -- References -- Regenerative Therapies for Keratoconus -- Introduction -- Stem Cells Used in Corneal Stroma Tissue Engineering (Table 1) [1] -- Therapeutic Techniques Used in Corneal Stroma Tissue Engineering -- Stem Cell Implant in the Ocular Surface -- Intrastromal Stem Cell Implantation -- Implantation of Intrastromal Stem Cells with a Biodegradable Scaffold -- Implantation of Intrastromal Stem Cells with No Biodegradable Scaffold -- Intrastromal Stem Cell Implant Along Decellularized Corneal Stroma -- Intracameral or Intravenous Stem Cell Injection -- Bibliography -- Corneal Remodeling: A New Alternative Technique to Treat Corneal Ectasia -- Introduction -- New Concepts on Corneal Biomechanics -- Stromal Volume and Redistribution -- Arc -- Corneal Remodeling -- Preoperative Exams -- Refraction Exam -- Corneal Topography and Tomography -- Biometry -- Interferometry or Lens Power Measurement -- OCT -- Aberrometry -- Endothelial Cell Count -- Surgical Planning -- Geometric Figure (See Fig. 1) -- Gap -- Resection Depth -- Optical Zone -- Centering -- Surgical Procedure -- Complementary Procedures -- Analysis of the Cases -- Last Considerations -- References -- Index.
