

7 Refractive Surgery

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Outline

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| <ol style="list-style-type: none">1. Introduction2. Options for Refractive Surgery3. FDA Studies: Advantages and Challenges4. Surface Ablation<ol style="list-style-type: none">a. Photorefractive Keratectomyb. Laser Epithelial Keratomileusisc. Epi-LASIK5. Laser In-Situ Keratomileusis<ol style="list-style-type: none">a. Custom LASIK and PRKb. Femtosecond Lasers for LASIK Flap Creationc. Presbyopic Multifocal LASIK6. Other Corneal Refractive Procedures<ol style="list-style-type: none">a. Conductive Keratoplastyb. Intracorneal Rings or Intacsc. Radial Keratotomyd. Laser Thermal Keratoplasty7. Complications of LASIK and Surface Ablation<ol style="list-style-type: none">a. Intraoperative LASIK Complications<ol style="list-style-type: none">i. Buttonhole and Irregular Flapsii. Thin Flapsiii. Free Capiv. Corneal Perforationv. Laser-Related Complications With LASIK and PRKvi. Epithelial Defectsb. Early Postoperative Complications<ol style="list-style-type: none">i. Flap Striaeii. Dislodged Flapiii. Infection With LASIK and PRK | <ol style="list-style-type: none"><ol style="list-style-type: none">iv. Diffuse Lamellar Keratitis (Sands of Sahara)c. Late Postoperative LASIK and PRK Complications<ol style="list-style-type: none">i. Epithelial Ingrowthii. Undercorrection and Regressioniii. Postoperative Keratectasia Following LASIKiv. Night Vision Disturbances: Halos and Glarev. Central Islandsvi. De-Centrationvii. Irregular Astigmatismviii. Post-LASIK Dry Eyesix. Post-PRK Hazex. Vitreoretinal Complications After LASIKd. Complications Unique to Femtosecond Flap Creation<ol style="list-style-type: none">i. Opaque Bubble Layerii. Gas Breakthroughiii. Transient Light Sensitivity <ol style="list-style-type: none">8. Intraocular Refractive Procedures<ol style="list-style-type: none">a. Phakic Intraocular Lensesb. Refractive Lensectomyc. Multifocal, Accommodating, and Diffractive Intraocular Lenses9. Correction of Astigmatism |
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