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Nota di contenuto	Part I. Considerations in Device Development -- 1. Schlemm's Canal And Collector Channels As Therapeutic Targets -- 2. Intraoperative Assessment of the Conventional Collector Outflow System As Therapeutic Target -- 3. Suprachoroidal Space As A Therapeutic Target -- 4. Ciliary Body as a Therapeutic Target -- 5. Clinical Trials for IOP lowering Devices to Support a FDA Premarket Submission -- 6. Considerations in Patenting New Surgical Devices for Glaucoma: The Changing Patent Law Landscape -- Part II. Laser Technologies -- 7. New Laser Technologies -- 8. Excimer Laser Trabeculostomy (ELT) – an effective MIGS procedure for Open Angle Glaucoma -- 9. Laser Therapies: Cyclodestructive Procedures -- 10. CO <sub>2</sub> Laser-Assisted Deep Sclerectomy -- Part III. Ultrasound Technologies -- 11. Ultrasonic Circular Cyclo-Coagulation -- 12. TUG (Therapeutic Ultrasound for Glaucoma) -- Part IV. Internal Outflow Enhancement -- 13. The iStent® MIGS Family: iStent®, iStent Inject®, and iStent Supra® -- 14. Canaloplasty -- 15. The Hydrus Micro-Stent -- 16. Minimally Invasive Glaucoma Surgery: Trabeculectomy ab interno -- Part V. External Outflow Enhancement -- 17. XEN Glaucoma Implant. The solution designed by Aquesys® -- 18. Glaucoma Surgery With the Ex-Press

Glaucoma Shunt -- 19. Molteno Developments in Traditional Outflow Implants -- 20. Ahmed Glaucoma Valve Model M4 -- Part VI. Suprachoroidal Outflow Devices -- 21. The CyPass Suprachoroidal Micro-Stent -- 22. STARfloTM: a suprachoroidal drainage implant made from STAR® Biomaterial -- 23. SOLX Suprachoroidal Shunt -- Part VII. Cataract Surgery -- 24. Cataract surgery: The 'new' glaucoma procedure? -- 25. Lens Extraction For Angle Closure Glaucoma -- Part VIII. Future Developments -- 26. Adopting New Surgical Methods: How I do it & How I Choose: Going with the Flow -- 27. Biomarkers to predict glaucoma surgical success.

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#### Sommario/riassunto

There is a revolution in new glaucoma surgical techniques. New glaucoma surgical devices are taking precedence in glaucoma surgery, with the new surgeries drastically cutting down on the chances for patient infection as well as higher success rates compared to the older types of surgery. *Surgical Innovations in Glaucoma* is the only book of its kind written by the top experts in the field, from inventors, clinical trial investigators, and top specialists experienced with the new devices. Written for general ophthalmologists who perform glaucoma surgery, the text walks the reader through the what, where, when, and how of the new glaucoma surgical tools, and includes supplementary online how-to videos for those interested in seeing the latest glaucoma procedures performed with these devices.

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