The femtosecond laser has emerged as a groundbreaking game-changer in ophthalmic surgery. It was first introduced for corneal refractive surgery in flap creation during LASIK, and subsequently for cataract surgery in 2008. The femtosecond laser cuts deeply on a single plane without collateral damage. Its high precision and safety result in excellent outcomes in the hands of experienced eye surgeons, benefiting virtually everyone.

Femtosecond Laser Surgery in Ophthalmology fills an unmet need for a comprehensive, up-to-date resource on growing applications of this state-of-the-art technology. H. Burkhard Dick is a world-renowned pioneer who has performed more than 6,000 laser cataract operations. Readers will benefit from his keen insights along with the collective expertise of co-authors Tim Schultz, Ronald D. Gerste, and a cadre of top-notch contributors. Twenty-nine chapters encompass basic physics, refractive and therapeutic cornea treatment, various aspects of laser cataract surgery, and patient selection.

SALES HOOKS
- This topic is currently very hot; the technology is new, precise, and safer—though a few technical books came out quickly, this is the first comprehensive and high-quality book
- A top-notch case of contributors adds to the content curated by Dr. Dick, who is the leading figure in the world using the femtosecond laser
- In addition to chapters that discuss the practical aspects of this new technology, this book includes text and videos on the basics of procedures

COMPETITION
1. Basics of Femtosecond Technology
2. The Advent of the Femtosecond Laser in Medicine and Ophthalmology
3. Femtosecond Laser-Assisted In Situ Keratomileusis (LASIK)
4. All-in-One Femtosecond Refractive Laser Surgery
5. Pearls in Femtosecond Laser-Assisted In Situ Keratomileusis LASIK Surgery
6. Femtosecond Laser-Assisted In Situ Keratomileusis III: Clinical Outcomes
7. Femtosecond Laser-Assisted In Situ Keratomileusis: Complications and Management
8. The Future of Laser-Assisted In Situ Keratomileusis: Femtosecond Laser versus Other Technologies
10. Femtosecond Laser-Assisted Keratoplasty: Penetrating with Different Cut Profiles
11. Correction of Astigmatism with a Femtosecond Laser
12. Why Femtosecond Laser for Intracorneal Rings
13. New Innovative Applications of Femtosecond Laser Technology
14. Laser’s Place in CXL: Excimer Laser and Refractive Surgery Combined with Corneal Cross-Linking, Femto-LASIK Combined with CXL
15. The Femtosecond Laser in the Surgical Treatment of Presbyopia in the Cornea: Options and Limitations
16. The Femtosecond Laser in the Surgical Treatment of Presbyopia in the Lens: Options and Limitations
17. The Basics of Femtosecond Laser Cataract Surgery
18. Femtosecond Laser Cataract Surgery: Setting and Infrastructure
19. Crucial Steps I: Capsulotomy
20. Crucial Steps II: Lens Fragmentation
21. Crucial Steps III: Corneal Incision, Main and Side
22. Posterior Capsulotomy, Bag-in-the-Lens and Evolving Techniques
23. Pediatric Cataract Surgery with the Femtosecond Laser
24. Femtosecond Laser-Assisted Cataract Surgery in Ocular Comorbidities
25. The Rise of the Femto-Intraocular Lens
26. Incorporating the Femtosecond Laser in Daily Practice
27. The Femtosecond Laser and the Posterior Segment
28. Pitfalls: Femtosecond Laser-Induced Complications
29. The Femtosecond Laser: Future Directions