

# CATARACT SURGERY TODAY

The Best Cataract and Refractive IOL Articles from *Cataract & Refractive Surgery Today*



Editor  
David F. Chang, MD

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The Best Cataract and Refractive IOL Articles from *Cataract & Refractive Surgery Today*

**CATARACT SURGERY TODAY** documents the progression and integration of cataract and refractive surgery over the past 5 years. This comprehensive textbook is a compilation of 200 of the best cataract and IOL articles published in *Cataract & Refractive Surgery Today* as selected by editor David F. Chang, MD. Covering topics such as strategies for complicated cases, endophthalmitis prophylaxis, new surgical technologies, complications, and monofocal and refractive IOLs, this 430-page textbook is authored by more than 170 of the most prominent names in the fields of cataract and refractive surgery worldwide.

## CATARACT SURGERY TODAY features:

- An introduction to the history of modern cataract surgery
- 200 chapters organized into four major sections
- More than 400 images

CHAPTER 13  
**Strategies for Managing the Difficult Capsulorhexis**  
SAMANTHA A. PARNELL, MD

**ABSTRACT** Capsulorhexis is a general condition that involves the creation of a circular opening in the posterior capsule of the eye. It is a fundamental technique used in cataract surgery and is required for the placement of intraocular lenses (IOLs). However, managing difficult capsulorhexis can be challenging and requires specific techniques and strategies. This chapter provides an overview of common difficulties encountered during capsulorhexis and outlines evidence-based management strategies to improve outcomes.

CHAPTER 14  
**Highly Accurate IOL Calculations**  
WALTER LINDNER, MD

**ABSTRACT** Accurate intraoperative calculations are critical for achieving good visual outcomes after cataract surgery. This chapter reviews the basic principles of lens calculation and highlights recent advances in automated software and handheld calculators that have improved accuracy. It also discusses the importance of considering individual patient factors, such as pupil size and lens position, when performing calculations. The goal is to provide readers with practical tools and knowledge to ensure highly accurate IOL calculations.

CHAPTER 17  
**Preventing Complications in Patients With PXF Syndrome**  
ALAN S. TRANHALL, MD

**ABSTRACT** PXF syndrome is a rare condition characterized by progressive retinal degeneration and optic nerve atrophy. It is often associated with cataracts and glaucoma. This chapter focuses on the prevention of complications in patients with PXF syndrome, particularly cataract surgery. It highlights the need for careful preoperative evaluation, appropriate surgical techniques, and postoperative monitoring to minimize risks and improve outcomes.

## World-Renowned Surgeon Contributors

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