

Surgical Correction of Astigmatism: A Comprehensive Guide by Nick Pulford

Astigmatism is a common eye condition that causes blurred vision. It occurs when the cornea, the clear outer layer of the eye, is not perfectly round. This can result in light being focused at multiple points on the retina, the light-sensitive tissue at the back of the eye.



Surgical Correction of Astigmatism by Nick Pulford

★★★★★ 5 out of 5

Language : English
File size : 6763 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 283 pages



Surgical correction of astigmatism is a procedure that can improve vision in people with this condition. There are a number of different surgical techniques that can be used to correct astigmatism, including LASIK, PRK, and photorefractive keratectomy (PRK).

In his book, *Surgical Correction of Astigmatism*, Nick Pulford provides a comprehensive overview of the latest techniques and developments in the field of astigmatism surgery. This book is an essential resource for ophthalmologists and optometrists who are interested in providing the best possible care for their patients with astigmatism.

Chapter 1: Anatomy and Physiology of the Cornea

The first chapter of the book provides a detailed overview of the anatomy and physiology of the cornea. This chapter covers the following topics:

* The structure and function of the cornea * The causes of astigmatism *
The diagnosis of astigmatism

Chapter 2: Surgical Techniques for Astigmatism Correction

The second chapter of the book reviews the different surgical techniques that can be used to correct astigmatism. These techniques include:

* LASIK * PRK * Photorefractive keratectomy (PRK)

The chapter also discusses the advantages and disadvantages of each technique.

Chapter 3: Preoperative Evaluation and Patient Selection

The third chapter of the book covers preoperative evaluation and patient selection for astigmatism surgery. This chapter discusses the following topics:

* The importance of preoperative evaluation * The factors that need to be considered when selecting patients for surgery * The risks and benefits of astigmatism surgery

Chapter 4: Intraoperative Techniques

The fourth chapter of the book provides a detailed overview of the intraoperative techniques used in astigmatism surgery. This chapter covers the following topics:

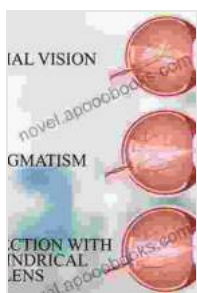
- * The steps involved in LASIK surgery
- * The steps involved in PRK surgery
- * The steps involved in photorefractive keratectomy (PRK)

Chapter 5: Postoperative Care and Management

The fifth chapter of the book covers postoperative care and management of patients who have undergone astigmatism surgery. This chapter discusses the following topics:

- * The importance of postoperative care
- * The potential complications of astigmatism surgery
- * The long-term outcomes of astigmatism surgery

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