

بسم الله الرحمن الرحيم





شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

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لم ترد بالأصل



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Complications of Laser in situ Keratomileusis in treatment of myopia

*An essay
Submitted for partial fulfillment
of the Master Degree in Ophthalmology*

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالُوا سُبْحَانَكَ

لَا عِلْمَ لَنَا

إِلَّا مَا عَلَّمْتَنَا

إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ

صَدَقَ اللَّهُ الْعَظِيمُ
حَمْدُ اللَّهِ الْعَظِيمِ

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LIST OF ABBREVIATIONS

- ALK Automated lamellar keratoplasty.
- Ar F Argon flouride.
- BCVA Best corrected visual acuity.
- CLE Clear lens extraction.
- Kr F Krypton flouride.
- LASIK Laser in situ keratomileusis.
- M K M Myopic keratomileusis.
- P R K Photorefractive keratectomy
- RK Radial keratotomy.
- S E Spherical equivalent.
- UCVA Uncorrected visual acuity.
- Ze F Xenon fluoride.

INTRODUCTION

Introduction

The concept of lamellar refractive surgery was introduced by Jose Barraquer almost half a century ago.

Laser in situ keratomileusis (LASIK) which means the use of microkeratome to make a corneal flap that gives access to the corneal stroma combined with ablation of the exposed stromal bed with an excimer laser has become for many corneal surgeons the technique of choice to correct moderate and high of myopia .¹ LASIK has an acceptable level of safety and efficacy for treatment of myopia . The outcome of LASIK appear to be comparable to those of photorefractive keratectomy (PRK) for low myopia and superior to those of both PRK and automated lamellar keratoplasty (ALK) for treatment of high myopia.²

LASIK has been considered as a novel laser refractive surgical procedure. The investigators have suggested potential advantages including, more rapid return of the spectacle – corrected visual acuity and less influence of corneal wound healing on the postoperative course .³

The majority of LASIK complications occur intraoperatively . Postoperative complications are almost always related to events that occurred during surgery. Many complications unique to LASIK are microkeratome related. With the improvement in microkeratome technology, the incidence of LASIK complications has been substantially reduced and may decrease further as instrumentations become more sophisticated .⁴

*AIM OF THE
STUDY*

Aim of the study

The aim of this study is to review the available literature on the complications of laser in situ keratomileusis in treatment of myopia

MANAGEMENT
Of MYOPIA