

Web of Science



Look Up Full Text Export... Add to Marked List

Refractive Surprise in Post-Cataract Surgery in Post Epi-LASIK Patient: A Lesson Learnt

By: Md-Muziman-Syah, MM (Md-Muziman-Syah, M. M.)^[1]; Mutalib, HA (Mutalib, H. A.)^[2]; Khairidzan, MK (Khairidzan, M. K.)^[3]; Noorhazayti, AH (Noorhazayti, A. H.)^[4]

IIUM MEDICAL JOURNAL MALAYSIA
Volume: 19 Issue: 2 Pages: 98-101
Published: JUL 2020
Document Type: Article

Abstract

Post-myopic laser refractive surgery corneal power measurement for intraocular lens power calculation is one of the most challenging issues in cataract surgery. Standard keratometry measurement is likely to be overestimated which could lead to false-low intraocular lens power. As a result, this can lead to hyperopic surprise. Contact lens method is an alternative method which is relatively inexpensive and accessible procedure in many optometry and ophthalmology centres. The contact lens method with optimised equations have been used for this case to obtain an accurate postoperative corneal power.

Keywords

Author Keywords: post-myopic laser refractive surgery; corneal power; contact lens method; CLMmod
KeyWords Plus: INTRAOCULAR-LENS POWER; EYES

Author Information

Reprint Address:

International Islamic University Malaysia Int Islamic Univ Malaysia, Kulliyyah Allied Hlth Sci, Dept Optometry & Visual Sci, Kuantan 25200, Pahang, Malaysia.

Corresponding Address: Md-Muziman-Syah, MM (corresponding author)

+ Int Islamic Univ Malaysia, Kulliyyah Allied Hlth Sci, Dept Optometry & Visual Sci, Kuantan 25200, Pahang, Malaysia.

Addresses:

+ [1] Int Islamic Univ Malaysia, Kulliyyah Allied Hlth Sci, Dept Optometry & Visual Sci, Kuantan 25200, Pahang, Malaysia

+ [2] Univ Kebangsaan Malaysia, Fac Hlth Sci, Programme Optometry & Visual Sci, Jalan Raja Muda Abdul Aziz, Kuala Lumpur 50300, Malaysia

+ [3] Int Islamic Univ Malaysia, Kulliyyah Med, Dept Ophthalmol, Kuantan 25200, Pahang, Malaysia

+ [4] Int Islamic Univ Malaysia, Kulliyyah Dent, Dept Paediat Dent & Dent Publ Hlth, Kuantan 25200, Pahang, Malaysia

E-mail Addresses: syah@iium.edu.my

Funding

Funding Agency	Grant Number
International Islamic University Malaysia	RIGS 16-129-0293

View funding text

Publisher

INT ISLAMIC UNIV MALAYSIA, KULLIYAH MEDICINE, JALAN SULTAN AHMAD SHAH, KUANTAN PAHAN, 25200, MALAYSIA

Categories / Classification

Research Areas: General & Internal Medicine

Web of Science Categories: Medicine, General & Internal

See more data fields

Citation Network

In Web of Science Core Collection

0

Times Cited

Create Citation Alert

10

Cited References

View Related Records

Use in Web of Science

Web of Science Usage Count

0

Last 180 Days

0

Since 2013

Learn more

This record is from:

Web of Science Core Collection
- Emerging Sources Citation Index

Suggest a correction

If you would like to improve the quality of the data in this record, please suggest a correction.

Cited References: 10

Showing 10 of 10 [View All in Cited References page](#)

(from Web of Science Core Collection)

1. [Formula choice: Hoffer Q, Holladay 1, or SRK/T and refractive outcomes in 8108 eyes after cataract surgery with biometry by partial coherence interferometry](#) Times Cited: 158
By: Aristodemou, Petros; Cartwright, Nathaniel E. Knox; Sparrow, John M.; et al.
JOURNAL OF CATARACT AND REFRACTIVE SURGERY Volume: 37 Issue: 1 Pages: 63-71 Published: JAN 2011
2. Title: [not available] Times Cited: 28
By: Hill, W; Li, W; Koch, D.
IOL power calculation in eyes that have undergone LASIK/PRK/RK
Version 4.7 Available at Accessed May 27, 2016
Publisher: American Society of Cataract and Refractive Surgery
URL: <http://iolcalc.ascrs.org/>
3. [INTRAOCULAR-LENS POWER CALCULATION FOR EYES AFTER REFRACTIVE KERATOTOMY](#) Times Cited: 117
By: HOFFER, KJ
JOURNAL OF REFRACTIVE SURGERY Volume: 11 Issue: 6 Pages: 490-493 Published: NOV-DEC 1995
4. [Cataract surgery in patients with previous keratorefractive surgery \(RK, PRK and LASIK\)](#) Times Cited: 44
By: Holladay, JT.
Ophthal. Pract Volume: 15 Pages: 238-244 Published: 1997
5. [Calculation of intraocular lens power: a review](#) Times Cited: 290
By: Olsen, Thomas
ACTA OPHTHALMOLOGICA SCANDINAVICA Volume: 85 Issue: 5 Pages: 472-485 Published: AUG 2007
6. [Intraocular lens power calculation in eyes with previous corneal refractive surgery](#) Times Cited: 17
By: Savini, Giacomo; Hoffer, Kenneth J.
EYE AND VISION Volume: 5 Article Number: 18 Published: JUL 8 2018
7. [New Modified Equation of Contact Lens Method in Determining Post Myopic Laser Refractive Surgery Corneal Power](#) Times Cited: 2
By: Syah, Md Muziman M. M.; Mutalib, H. A.; Kaur, Sharanjeet M. S.; et al.
INTERNATIONAL MEDICAL JOURNAL MALAYSIA Volume: 15 Issue: 1 Pages: 61-68 Published: JUN 2016
8. [Comparison of Corneal Power and Intraocular Lens Power Calculation Methods after LASIK for Myopia](#) Times Cited: 3
By: Taheri, Seyed Mohammad Reza; Kheiltash, Azita; Hashemi, Hassan
IRANIAN JOURNAL OF OPHTHALMOLOGY Volume: 21 Issue: 4 Pages: 45-54 Published: 2009
9. [Comparison of intraocular lens power calculation methods after myopic laser refractive surgery without previous refractive surgery data](#) Times Cited: 31
By: Yang, RuiBo; Yeh, Annie; George, Michael R.; et al.
JOURNAL OF CATARACT AND REFRACTIVE SURGERY Volume: 39 Issue: 9 Pages: 1327-1335 Published: SEP 2013
10. [Comparison of contact lens overrefraction and standard keratometry for measuring corneal curvature in eyes with lenticular opacity](#) Times Cited: 55
By: Zeh, WG; Koch, DD
JOURNAL OF CATARACT AND REFRACTIVE SURGERY Volume: 25 Issue: 7 Pages: 898-903 Published: JUL 1999

Showing 10 of 10 [View All in Cited References page](#)

Clarivate

Accelerating innovation

© 2021 Clarivate [Copyright notice](#) [Terms of use](#) [Privacy statement](#) [Cookie policy](#)[Sign up for the Web of Science newsletter](#) [Follow us](#)