

Dr. Cheng Chak Kwan, Arthur - Recent Publications (2005 onwards)

Book Publication

- A Clinician's Guide to Slit Scanning Corneal Topography

Journal Publications

1. **Cheng AC**, Ho T, Lau S, Lam DS. Evaluation of the apparent change in posterior corneal power in eyes with LASIK using Orbscan II with magnification compensation. J Refract Surg. 2009 Feb;25(2):221-8.
2. **Cheng AC**, Ho T, Lau S, Lam DS. Introducing a new ratio useful in the estimation of preoperative corneal power in patients with myopic LASIK based on postoperative corneal data. Cornea. 2009 Jan;28(1):1-4.
3. **Cheng AC**, Ho T, Lau S, Wong AL, Leung C, Lam DS. Measurement of LASIK flap thickness with anterior segment optical coherence tomography. J Refract Surg. 2008 Nov;24(9):879-84.
4. **Cheng AC**, Ho T, Rao SK, Lau S, Lam DS. Posterior corneal curvature measurements with peripheral fitting zones before and after myopic LASIK using Orbscan II. J Refract Surg. 2008 Oct;24(8):807-10.
5. Rao SK, Leung CK, Cheung CY, Li EY, **Cheng AC**, Lam PT, Lam DS. Descemet stripping endothelial keratoplasty: effect of the surgical procedure on corneal optics. Am J Ophthalmol. 2008 Jun;145(6):991-6
6. Mohamed S, Lee GK, Rao SK, Wong AL, **Cheng AC**, Li EY, Chi SC, Lam DS. Repeatability and reproducibility of pachymetric mapping with Visante anterior segment-optical coherence tomography. Invest Ophthalmol Vis Sci. 2007 Dec;48(12):5499-504.
7. **Cheng AC**, Rao SK, Leung KS, Lau S, Lam DS. Central corneal thickness measurements using Orbscan II, Visante, and ultrasonic pachymetry in eyes with myopic LASIK. J Refract Surg. 2008 Apr;24(4):361-5.
8. **Cheng AC**, Rao SK, Lau S, Wong L, Lam DS. Comparison of techniques for corneal power assessment after myopic LASIK without the use of preoperative data. J Refract Surg. 2008 May;24(5):539-43.
9. Ho T, **Cheng AC**, Lau S, Lam DS. Comparison of corneal flap thickness between primary eyes and fellow eyes using the Zyoptix XP microkeratome. J Cataract Refract

Surg. 2007 Dec;33(12):2049-53.

10. **Cheng AC**, Rao SK, Lau S, Wong L, Lam DS. Accuracy of Orbscan II in the assessment of posterior curvature in patients with myopic LASIK. J Refract Surg. 2007 Sep;23(7):677-80.
11. **Cheng AC**, Wong VW, Rao SK, Lam DS. Repositioning of free cap four days after LASIK. J Refract Surg. 2007 Jun;23(6):625-7.
12. Ho. T, **Cheng AC**, Rao SK, Lau S, Leung KS, Lam DS. Comparison of central corneal thickness measurements using Orbscan II, Visante, ultrasonic, and Pentacam pachymetry in eyes after myopic LASIK treatment. J Cataract Refract Surg. 2007 Jul;33(7):1177-82.
13. Leung CK, **Cheng AC**, Chong KK, Leung KS, Mohamed S, Lau CS, Cheung CY, Chu GC, Lai RY, Pang CC, Lam DS. Optic disc measurements in myopia with optical coherence tomography and confocal scanning laser ophthalmoscopy. Invest Ophthalmol Vis Sci. 2007 Jul;48(7):3178-83.
14. Li EY, Mohamed S, Leung CK, Rao SK, **Cheng AC**, Cheung CY, Lam DS. Agreement among 3 Methods to Measure Corneal Thickness: Ultrasound Pachymetry, Orbscan II, and Visante Anterior Segment Optical Coherence Tomography. Ophthalmology. 2007 May 14
15. **Cheng AC**, Young AL, Law R, Lam DS. A prospective, randomized, double-masked trial to evaluate pain profile in different stages of simultaneous bilateral LASIK. Cornea. 2006 Sep;25(8):919-22.
16. **Cheng AC**, Tang E, Lam DS. Correction factor in Orbscan II in the assessment of corneal pachymetry. Cornea. 2006 Dec;25(10):1158-61.
17. **Cheng AC**, Wong V, Rao SK, Lam DS. Late repositioning of flap dislodgement after laser in situ keratomileusis (LASIK). J Refractive Surg. J Refract Surg. 2006 May;22(5):500-4.
18. **Cheng AC**, Rao SK, Cheng LL, Lam DS. Assessment of pupil size under different light intensities using the Procyon pupillometer. J Cataract Refract Surg. 2006 Jun;32(6):1015-7.
19. Fan DS, Chan CK, **Cheng AC**, Rao SK, Yu CB, Lam DS. Multistage approach to uveitic cataract management in children. J Pediatr Ophthalmol Strabismus. 2006 May-Jun;43(3):172-5.

20. **Cheng AC**, Rao SK, Leung GY, Young AL, Lam DS. Late traumatic flap dislocations after LASIK. *J Refract Surg.* 2006 May;22(5):500-4.
21. Gao L, Fan H, **Cheng AC**, Wang Z, Lam DS. The effects of eye drops on corneal thickness in adult myopia. *Cornea.* 2006 May;25(4):404-7.
22. **Cheng AC**, Rao SK, Tang E, Lam DS. Pachymetry assessment with Orbscan II in postoperative patients with myopic LASIK. *J Refract Surg.* 2006 Apr;22(4):363-6.
23. **Cheng AC**, Rao SK, Lam DS. Correlation of infrared pupillometers and CCD camera imaging from aberrometry and videokeratography for determining scotopic pupil size. *J Cataract Refract Surg.* 2006 Feb;32(2):183-4.
24. **Cheng AC**, Young AL, Law RW, Lam DS. Prospective randomized double-masked trial to evaluate perioperative pain profile in different stages of simultaneous bilateral LASIK. *Cornea.* 2006 Sep;25(8):919-22.
25. **Cheng AC**, Yuen KS, Lam DS. Long-term results of implantation of phakic posterior chamber IOLs. *J Cataract Refract Surg.* 2006 Jan;32(1):4.
26. **Cheng AC**, Rao SK, Lam DS. Surgery in patients with Fuchs'. *Ophthalmology.* 2006 Mar;113(3):502-3.
27. **Cheng AC**, Yuen KS, Lam DS. Natural history of asymptomatic clinical retinal detachments. *Am J Ophthalmol.* 2005 Dec;140(6):1170-1.
28. Fan AH, **Cheng AC**, Rao SK, Chen LJ, Lam DS. Intracameral injection of lidocaine and carbachol. *J Cataract Refract Surg.* 2005 Oct;31(10):1855.
29. **Cheng AC**, Fan D, Tang E, Lam DS. Effect of corneal curvature and corneal thickness on the assessment of intraocular pressure using noncontact tonometry in patients after myopic LASIK surgery. *Cornea.* 2006 Jan;25(1):26-8.
30. **Cheng AC**, Rao SK, Lam DS. Ocular higher-order aberrations in eyes with supernormal vision. *Am J Ophthalmol.* 2005 Nov;140(5):956.
31. **Cheng AC**, Rao SK, Lam DS. Influence of wavefront aberration and corneal subepithelial haze on low-contrast visual acuity after photorefractive keratectomy. *Am J Ophthalmol.* 2005 Nov;140(5):955.

32. **Cheng AC**, Lam DS, Rao SK. Long-term analysis of LASIK for the correction of refractive errors after penetrating keratoplasty. *Cornea*. 2005 Oct;24(7):891.
33. **Cheng AC**, Lam DS. Monovision LASIK for pre-presbyopic and presbyopic patients. *J Refract Surg*. 2005 Jul-Aug;21(4):411-2.
34. **Cheng AC**, Lam DS. Keratometry for intraocular lens power calculation using Orbscan II in eyes with laser in situ keratomileusis. *J Refract Surg*. 2005 Jul-Aug;21(4):365-8.
35. **Cheng AC**, Rao SK, Lam DS. Determining scotopic pupil size. *J Cataract Refract Surg*. 2005 Jul;31(7):1267-8.
36. **Cheng AC**, Rao SK, Lam DS. Penetrating keratoplasty using topical anesthesia. *Cornea*. 2005 Aug;24(6):766.
37. **Cheng AC**, Lam DS. Central island treatment using Technolas 217 based on Orbscan II assessment. *J Refract Surg*. 2005 May-Jun;21(3):294-6.
38. **Cheng AC**, Lam DS. High-order aberrations in pseudophakia with different IOLs. *J Cataract Refract Surg*. 2005 May;31(5):867.
39. **Cheng AC**, Leung DY, Cheung EY, Fan DS, Law RW, Lam DS. Intraocular pressure measurement in patients with previous LASIK surgery using pressure phosphene tonometer. *Clin Experiment Ophthalmol*. 2005 Apr;33(2):153-7.
40. **Cheng AC**, Lam DS. Diurnal fluctuation of higher order ocular aberrations: correlation with intraocular pressure and corneal thickness. *J Refract Surg*. 2005 Mar-Apr;21(2):201.
41. **Cheng AC**, Lam DS, Zhang SB. Inflow of ocular surface fluid through clear corneal cataract incisions: a laboratory model. *Am J Ophthalmol*. 2005 Feb;139(2):392-3.
42. **Cheng AC**, Lam DS. Corneal thickness measurement by confocal microscopy, ultrasound, and scanning slit methods. *Am J Ophthalmol*. 2005 Feb;139(2):391.
43. Young AL, Leung GY, Cheng LL, **Cheng AC**, Lam DS. Modification of Flieringa ring fixation. *Eye*. 2005 May;19(5):608.