

## **Cataract Surgery Complications 2: Early Post-operative Complications**

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### **References**

1. Lemley C A, Han, D P Endophthalmitis (2007) A Review of Current Evaluation and Management. *Retina* 27(6): 662-680
2. Maylath FR, Leopold IH (1955) Study of experimental intraocular infection. *Am J. Ophthalmol* 40: 86-101
3. Beyer TL, Vogler G, Sharma D, O'Donnell Jr FE (1984) Protective barrier effect of the posterior lens capsule in exogenous bacterial endophthalmitis – an experimental primate study. *Invest Ophthalmol Vis Sci* 25(1): 108-112
4. Mamalis N, Kearsley L, Brinton E (2002) Post operative endophthalmitis. *Curr Opin in Ophthalmol*.13 (1): 14-18
5. Verbraeken H (1995) Treatment of postoperative endophthalmitis. *Ophthalmologica*; 209: 165-171
6. Endophthalmitis Vitrectomy Study Group: Results of the endophthalmitis vitrectomy study (1995) a randomized trial of immediate vitrectomy and of intravenous antibiotics for the treatment of postoperative bacterial endophthalmitis. *Arch Ophthalmol* 1995, 113: 1479-1496
7. Pepose JS, Holland GN, Wilhelmus KR (1996) *Ocular Infection and immunity*. Mosby
8. Das T, Dogra MR, Gopal L, Jalali S, Kumar A, Malpani A, Natarajan S, Rajeev B, Sharma S (1995) Postsurgical endophthalmitis: diagnosis and management. *Indian J Ophthalmol*.43(3): 103-16.
9. Siqueira RC, Gil AD, Canamary F, Minari M, Jorge R (2009) Pars plana vitrectomy and silicon oil tamponade for acute endophthalmitis treatment. *Arq Bras Oftalmol*.72 (1): 28-32.
10. Barza M, Pavan PR, Doft BH, Wisniewski SR, Wilson LA, Han DP, Kelsey SF. (1997) Evaluation of microbiological diagnostic techniques in postoperative endophthalmitis in the Endophthalmitis Vitrectomy Study. *Arch Ophthalmol* 115(9): 1142–1150.
11. Mamalis N, Kearsley L, Brinton E (2002) Postoperative endophthalmitis. *Current Opinion in Ophthalmology*. Vol 13(1): 14-18

12. Altan T, Acar N, Kapran Z, Unver YB, Yurttaser S, Küçüksümer Y, Eser I (2009) Acute-Onset Endophthalmitis After Cataract Surgery: Success Of Initial Therapy, Visual Outcomes, And Related Factors. *Retina*. Jan 23. [Epub ahead of print]
13. Kelkar A, Kelkar J, Amuaku W, Kelkar U, Shaikh A (2008) How to prevent endophthalmitis in cataract surgeries. *Indian Journal of Ophthalmology* 56(5): 403-407
14. Klevens RM, Morrison MA, Nadle J, Petit S, Gershman K, Ray S, Harrison LH, Lynfield R, Dumyati G, Townes JM, Craig AS, Zell ER, Fosheim GE, McDougal LK, Carey RB, Fridkin SK; Active Bacterial Core surveillance (ABCs) MRSA Investigators. (2007) Invasive methicillin-resistant *Staphylococcus aureus* infections in the United States. *JAMA* 298: 1763–1771.
15. Speaker MG, Milch FA, Shah MK, Eisner W, Kreiswirth BN (1991) Role of external bacterial flora in the pathogenesis of acute postoperative endophthalmitis. *Ophthalmology* 98: 639-649.
16. Dickey JB, Thompson KD, Jay WM (1991) Anterior chamber aspirate cultures after uncomplicated cataract surgery. *Am J Ophthalmol* 112: 278-282.
17. Isenberg SJ, Apt L, Campeas D (2002) Ocular Applications of Povidone-Iodine. *Dermatology* 204(Suppl.1): 92-95
18. Bucci FA Jr, Amico LM, Evans RE (2008) Antimicrobial efficacy of prophylactic gatifloxacin 0.3% and moxifloxacin 0.5% in patients undergoing phacophacoemulsification surgery. *Eye Contact Lens*. 34(1): 39-42.
19. Mayer E, Cadman D, Ewings P, Twomey JM, Gray RH, Claridge KG, Hakin KN, Bates AK. (2003) A 10 year retrospective survey of cataract surgery and endophthalmitis in a single eye unit: Injectable lenses lower the incidence of endophthalmitis. *Br J Ophthalmol* 87: 867–9.
20. Kelkar A, Kelkar J, Amuaku W, Kelkar U, Shaikh A (2008) How to prevent endophthalmitis in cataract surgeries? *Indian J Ophthalmol* 56(5): 403–407.
21. Allan BD, Baer RM, Heyworth P, Duguid IG, Dart JK (1997) Conventional routine clinical review may not be necessary after uncomplicated phacoemulsification. *Br J Ophthalmol* 81: 548–550.
22. McKellar MJ, Elder MJ (2001) The early complications of cataract surgery; is routine review of patients 1 week after cataract extraction necessary? *Ophthalmology* 108: 930–935.

23. Browning AC, Alwitry A, Hamilton R, Rotchford A, Bhan A, Amoaku WM (2002) Role of intraocular pressure measurement on the day of phacoemulsification cataract surgery. *J Cataract Refract Surg.* 28(9): 1601-6
24. Byrd S, Singh K (1998) Medical control of intraocular pressure after cataract surgery. *J Cataract Refract Surg* 24(11): 1493-7
25. Vasavada AR, Mamidipudi PR, Minj M (2004) Relationship of immediate intraocular pressure rise to phaco-tip ergonomics and energy dissipation. *J Cataract Refract Surg* 30: 137–43.
26. T G Bömer, W D Lagrèze and J Funk (1995) Intraocular pressure rise after phacoemulsification with posterior chamber lens implantation: effect of prophylactic medication, wound closure, and surgeon's experience. *British Journal of Ophthalmology* 79: 809-813
27. Calissendorff BM, Hamberg-Nystrom H (1993) Intraocular pressure after extra capsular cataract extraction with implantation of posterior chamber lenses. *Acta Ophthalmol* 71: 377-81.
28. Jones R 3rd, Rhee DJ (2006) Corticosteroid-induced ocular hypertension and glaucoma: a brief review and update of the literature. *Curr Opin Ophthalmol.* 17(2): 163-7
29. Kang PC, Klintworth GK, Kim T, Carlson, AN, Adelman R, Stinnett S & Afshari NA. (2005): Trends in the indications for penetrating keratoplasty, 1980–2001. *Cornea* 24: 801–803.
30. Narayanan R, Gaster R, Kenney M C (2006) Pseudophakic Corneal Edema: A Review of Mechanisms and Treatments. *Cornea* 25(9): 993-100
31. Edelhauser H F (2000) The Resiliency of the Corneal Endothelium to Refractive and Intraocular Surgery. *Cornea* 19(3): 263-273
32. Takahashi, H (2005) Free Radical Development in Phacoemulsification Cataract Surgery *J Nippon Med Sch.* Feb; 72(1): 4-12
33. Holst A, Rolfsen W, Svensson B, Öllinger K, Lundgren B (1993) Formation of free radicals during phacoemulsification, *Curr Eye Res* 12: 359–365
34. Takahashi H, Suzuki H, Shiwa T, Sakamoto A (2006) Alteration of free radical development by ophthalmic viscosurgical devices in phacoemulsification. *J Cataract Refract Surg.* 32(9): 1545-8.

35. Claesson M, Armitage WJ, Stenevi U (2009) Corneal oedema after cataract surgery: predisposing factors and corneal graft outcome. *Acta Ophthalmol.* 87(2): 154-9
36. Stjernschantz J, Bito LZ (1989). The ocular effects of eicosanoids and other autacoids: historic background and the need for a broader perspective. *Prog Clin Biol Res*: 312:1-13.
37. Rao NA (1990) Role of oxygen free radicals in retinal damage associated with experimental uveitis. *Trans Am Ophthalmol Soc*, 88:797–850.
38. Mamalis N, Edelhauser HF, Dawson DG, Chew J, LeBoyer RM, Werner L (2006) Toxic Anterior Segment Syndrome. *J Cataract Refract Surg* 32(2): 324-333
39. Onodera T, Gimbel HV, DeBroff BM (1993) Effects of cycloplegia and iris pigmentation on postoperative intraocular inflammation. *Ophthalmic Surg.* 24(11): 746-52
40. Barequet IS, Wasserzug Y. (2007) Herpes Simplex Keratitis after cataract surgery. *Cornea.* 26(5): 615-7
41. Monson MC, Mamalis N, Olson RJ. (1992) Toxic anterior segment inflammation following cataract surgery. *J Cataract Refract Surg* 18: 184-89
42. Harper LS, Chorich LJ, Foster CS Diagnosis of uveitis. In: C.S. Foster and A.T. Vitale, Editors, *Diagnosis and Treatment of Uveitis*, WB Saunders, Philadelphia 88.
43. Holland S, Morck, D, Lee T (2007) Update on toxic anterior segment syndrome. *Current Opinion in Ophthalmology* 18(1): 4-8
44. Choi JS, Shyn KH (2008) Development of Toxic Anterior Segment Syndrome Immediately after Uneventful Phaco Surgery. *Korean J Ophthalmol.* 22(4): 220-7.