

References

- 1) **Alexander L, John M, Cobb L, et al.** U.S. clinical investigation of the Artisan myopia lens for the correction of high myopia in Phakic eyes. Report of the results of phases 1 and 2, and interim phase 3. *Optometry* 2000; 71:630–642.
- 2) **Alfonso JF:** surgical pearls for toric ICL implantation, cataract and refractive surgery today, 2010;5:44-51.
- 3) **Alio JL:** Advances in Phakic intraocular lenses: indications, efficacy, safety, and new designs. *Curr Opin Ophthalmology* 2004; 15:350–357.
- 4) **Alió JL, de la Hoz F and Perez-Santonja JJ :** Phakic anterior chamber lenses for the correction of myopia: a 7-year cumulative analysis of complications in 263 cases. *Ophthalmology* 1999; 106:458-466 .
- 5) **Alio JL and Perez-Santonja JJ:** Angle-supported Phakic IOLs. In : refractive surgery by: Azar DT, Gatinel D ,Hoang-Xuan II T 2006,32 :417-431 .
- 6) **Allemann N, Chamon W, Tanaka HM, et al.** Myopic angle-supported intraocular lenses: two-year follow-up. *Ophthalmology* 2000; 107:1549–1554.
- 7) **American Optometric Association.** Optometric Clinical Practice Guideline: Care of the patient with myopia 1997; 2:24.

- 8) **American Optometric Association.** Optometric Clinical Practice Guideline: Care of the patient with hyperopia 1997; 2:28.
- 9) **Ang L and Azar D T:** Laser Subepithelial Keratomileusis (LASEK) and Epi-LASIK in Yanoff & Duker: Ophthalmology, 3rd ed. 2008; 3:16-19.
- 10) **Applegate RA, Hilmantel G and Howland HC:** Corneal aberrations increase with the magnitude of radial keratotomy refractive correction. Optom Vis Sci 1996; 73:585-589.
- 11) **Augsburger AR.** Hyperopia. In: Amos JF, ed. Diagnosis and management in vision care. Boston: Butterworth, 1987;12:101-119.
- 12) **Azar D T and Ghanem R C:** Phakic Intraocular Lenses in Yanoff & Duker: Ophthalmology, 3rd ed. 2008;1:3-10.
- 13) **Baïkoff G:** Intraocular Phakic implants in the anterior chamber. Int. Ophthalmology Clin. 2000; 40:223-235 .
- 14) **Barraquer JI,** Queratoplastia Refractiva. Est e Inf Oftal 1949; 2:10.
- 15) **Batra VN and Mcleod SD:** Phakic intraocular lenses. Ophthalmology. Clin North Am,2001;14: 335-338.
- 16) **Barraquer J.** Anterior chamber plastic lenses. Results of and conclusions from five years' experience. Trans Ophthalmology Soc UK 1959; 79:393–424.

- 17) **Belin MW, Holladay JT, Michelson MA, Woodhams JT and Ahmed IK:** The Pentacam: Precision, Confidence, Results, and Accurate "KS!" Insert to Cataract & Refractive Surgery Today, January 2007; 16:258.
- 18) **Boyd BF, Boyd S and Agarwal A:** Phakic IOL in Agarwal A, Agarwal A, and Jacob S: Refractive Surgery, 2009; 41:368-374.
- 19) **Burkhard Dick and Mana Tehrani:** PIOL Simulation for High Res Imaging. Cataract & refractive surgery today Europe, January 2007; 3:46-47.
- 20) **Camellin M:** LASEK can offer the advantage of both LASIK and PRK. Ocular surgery news international edition, March 1999. Quoted from Lee JP, Seong GJ, Lee GH, and et al.: Comparison of LASEK and PRK. J Cataract Refract Surgery, 2001; 27(4):565-570.
- 21) **Cassin B and Solomon S:** Dictionary of Eye Terminology. Gainesville, Florida: Triad Publishing Company, 1990;4:63-71.
- 22) **Chayet A, Assil K, Montes M, et al.** Regression and its mechanisms after laser in situ Keratomileusis in moderate and high myopia. Ophthalmology 1998; 105(7):1194-9.
- 23) **Chen JC, Schmid KL and Brown B:** The autonomic control of accommodation and implications for human myopia development: a review. Ophthalmic Physiology Opt. 2003 Sep; 23(5):401-422.

- 24) **Chen LJ, Chang YJ and Kuo JC:** Meta-analysis of cataract development after Phakic intraocular lens surgery. *J Cataract Refract Surgery*, 2008; 34:1181–1200.
- 25) **Chew SJ and Tseng p:** Refractive Errors: Etiology, Incidence, Prevention, and Non-surgical Management. In: Serdarevic ON, editor: *Refractive Surgery: Current Techniques and Management*. New York: Igaku-Shoin; 1997:1-18.
- 26) **Cline D, Hofstetter HW, and Griffin JR:** Dictionary of Visual Science, 4th ed. Boston: Butterworth-Heinemann, 1997;12:402-430.
- 27) **Coullet J, Mahieu L and Malecaze F:** Severe endothelial cell loss following uneventful angle-supported Phakic intraocular lens implantation for high myopia. *J Cataract Refract Surgery*, 2007; 33:1477–1481.
- 28) **Colin J. Robinet A.** Clear lensectomy and implantation of low power posterior chamber intraocular lenses for the correction of high myopia. *Ophthalmol*1994; 101:107-112.
- 29) **Crick RP and Khaw PT:** Practical Anatomy and Physiology of the Eye and Orbit. In *A Textbook of Clinical Ophthalmology*, 3rd ed. World Scientific Publishing Co. Ltd., 2003;45-56.
- 30) **Curtin BJ.** , The Components of refraction and their correction. In: Curtin BJ (ed). *The Myopias: Basic Science and Clinical Management*. Philadelphia, PA: Harper & Row; 1985, 17-37.

- 31) **Dai E and Boulton ME:** Basic Science of the eye in Yanoff & Duker: Ophthalmology, 3rd ed., 2008; Chapter 5&1:10-23, 70-85.
- 32) **Davidorf JM, Zaldivar R, Oscherow S.** Posterior chamber Phakic intraocular lens for hyperopia of +4 to +11 diopters. J Refract Surg. 1998; 14:306-311 .
- 33) **Donaldson:** Deferential diagnosis of a new instrument for measurement of corneal thickness. Arch Ophthalmology 1966;7:25-27 .
- 34) **Duke-Elder and Sir Stewart:** The Practice of Refraction (8th Ed.). St. Louis: The C.V. Mosby Company, 1969, 2:15-19 .
- 35) **El-Danasoury A:** Posterior Chamber Implantable Collamer Lens ICL and Toric ICL in Agarwal A, Agarwal A, and Jacob S: Refractive Surgery, 2009; 41,368-374 .
- 36) **El-Rifai M:** Ametropia (errors of refraction). Textbook of Clinical Ophthalmotics, 4th ed., 2007:53-64 .
- 37) **Epstein D, Fagerholm P, Hamberg-Nystrom H and Tengroth B:** Twenty-four-month follow-up of Excimer laser photorefractive keratectomy for myopia/refractive and visual acuity results. Ophthalmology 1994; 101:1558-1564.
- 38) **Fechner PU, Alpor JJ.** Intraocular lenses. New York: Thieme 1986; 328–335.
- 39) **Forrester JV, Dick AD, McMenamin PG and Lee WR:** The Eye; 2002; 1; p 35-52

- 40) **Friedman DS, Congdon N, Kempen J, Tielsch JM.** Vision problems in the US: prevalence of adult vision impairment and age-related eye disease in America. Prevent Blindness America 2002. Available at: <http://www.nei.nih.gov/eyedata/pdf/VPUS.pdf>. Accessed May 27, 2009.
- 41) **Fyodorov SN, Zuev VK, Aznabayev BM.** Intraocular correction of high myopia with negative posterior chamber lens. Ophthalmosurgery (Moscow) 1991; 3:57–58.
- 42) **Gimbel HV and Penno EA:** Refractive surgery. A manual of principle and practice. In: SLAK Incorporated 2000;7:188-192.
- 43) **Goss DA, Grosvenor TP, Keller JT, et al.:** Optometric Clinical Practice Guideline for the Care of the Patient with Myopia. American Optometric Association, 2006;3:54-58.
- 44) **Garcia-Feijoo J, Hernandez-Matamoros JL, Mendez-Hernandez C, et al.** Ultrasound biomicroscopy of silicone posterior chamber Phakic intraocular lens for myopia. J Cataract Refract Surgery 2003; 29:1932–1939.
- 45) **Grosvenor T:** A review and a suggested classification system for myopia on the basis of age-related prevalence and age of onset. Am J Optom Physiology, July 1987; Opt 64 (7): 545–54.
- 46) **Grosvenor T:** Primary Care Optometry. Anomalies of Refraction and Binocular Vision, 3rd ed. Boston: Butterworth-Heinemann 1996:253-9.

-
- 47) **Hamilton DR and Davis EA:** Other Types of Phakic Intraocular Lenses. In: Hardten DR, Lindstrom RL, and Davis EA, editors: Phakic Intraocular Lenses: Principles and Practice. SLACK Incorporated, 2004:171-7 .
- 48) **Hamilton DR, Hardten DR, and Davis EA:** The Future of Phakic Intraocular Lenses. In: Hardten DR, Lindstrom RL, and Davis EA, editors: Phakic Intraocular Lenses: Principles and Practice. SLACK Incorporated, 2004:205-19.
- 49) **Hamilton DR, Hardten DR and Lindstrom RL:** Demographics of Refractive Surgery: The Role of Phakic Intraocular Lenses. In: Hardten DR, Lindstrom RL, and Davis EA, editors: Phakic Intraocular Lenses: Principles and Practice. SLACK Incorporated, 2004:1-11 .
- 50) **Hardten DR, Lindstrom RL, and Davis EA:** The History of Phakic Intraocular Lenses. Phakic Intraocular Lenses: Principles and Practice. SLACK Incorporated 2004:13-9.
- 51) **<http://emedicine.medscape.com/article/1221908> - overview**, last accessed on September 2010
- 52) **[http://www.netterimages.com/image/4798 .htm](http://www.netterimages.com/image/4798.htm),** Anterior and Posterior Chambers of Eye Image ID: 4798 , last accessed on January 2010.
- 53) **<http://www.lasersite.com>** ,last accessed September 2010
- 54) **<http://iclsurgeon.com>,** Implantation of the ICL. Last accessed on July 2010.

-
- 55) **Jimenez-Alfaro I, Garcia-Feijoo J and Perez-Santonja II:** Ultrasound biomicroscopy of ZSAL 4 anterior chamber intraocular lens for high myopia. *J Cataract Refract Surgery* 2001, 27:1567-1573 .
- 56) **Jimenez-Alfaro I, Benitez del Castillo JM, Garcia-Feijoo J, et al.** Safety of posterior chamber Phakic intraocular lenses for the correction of high myopia: anterior segment changes after posterior chamber Phakic intraocular lens implantation. *Ophthalmology* 2001; 108:90–99.
- 57) **Kalyvianaki MI, Kymionis GD and Pallikaris IG:** PIOLs for the Treatment of High Myopia. In Tombran-Tink J, Barnstable CJ, editors: *Visual Prosthesis and Ophthalmic Devices: New Hope in Sight*. Humana Press Inc., 2007: 239-50.
- 58) **Kim M, Kim JK, and Lee HK:** Corneal endothelial decompensation after iris-claw Phakic intraocular lens implantation. *J Cataract Refract Surgery* 2008; 34:517–519.
- 59) **Klyce SD and Beuerman RW:** Structure and function of the cornea. In Kaufman HE, Barton BA, McDonald MB, Waltman SR (eds): *The Cornea*. New York, Churchill Livingstone, 1988:3-54.
- 60) **Knorz M, Wiesinger B, Lierman A, et al.** Laser in situ Keratomileusis for moderate and high myopia and myopic astigmatism. *Ophthalmology* 1998; 105(5):932-40.

-
- 61) **Kohnen T.** Cataract formation after implantation of myopic Phakic posterior chamber IOLs (editorial). *J Cataract Refract Surgery* 2004; 30:2245–2246.
- 62) **Kohnen T and Kasper T:** Selecting Phakic Intraocular Lenses for the Correction of Refractive Errors. In: Kohnen T and Koch DD, editors: *Essentials in Ophthalmology: Cataract and Refractive Surgery*. Springer-Verlag Berlin Heidelberg, 2006:143-54.
- 63) **Kohnen T, Mirshahi A and Bühren J:** Complications of Phakic Intraocular Lenses. In: Hardten DR, Lindstrom RL, and Davis EA, editors: *Phakic Intraocular Lenses: Principles and Practice*. SLACK Incorporated, 2004:81-96.
- 64) **Lackner B:** ICL posterior chamber Phakic IOL. *Mastering the techniques of lens based surgery (Phakic IOL)*, 2005:97-101.
- 65) **Li CY, Lin KK, Lin YC and Lee JS:** "Low vision and methods of rehabilitation: a comparison between the past and present". *Chang Gung Med J*, March 2002; 25 (3): 153–61.
- 66) **Lian J, Zhang Q, Ye W, et al.** An analysis of regression after laser in situ Keratomileusis for treatment of myopia. *Chung Hua Yen KO Tsa Chih* 2002; 38(6):363-6.
- 67) **Lohman C, Gartry D, Kerr Muir M, et al.** Corneal haze after Excimer laser refractive surgery: Objective measurements and functional results. *Eur J Ophthalmology* 1991;1:173-80.

-
- 68) **Lovisolo CF and Reinstein DZ:** Phakic intraocular lenses. *Surv Ophthalmology* 2005; 50:549–587.
- 69) **Lovisolo CF and Mazzolani F:** Complications of Posterior Chamber Phakic Intraocular Lenses in **Alio JL** and **Azar DT** in *Management of Complications in Refractive Surgery*, 2008; 13.3: 245-262.
- 70) **Maloney RK, Nguyen LH, John ME.** Artisan Phakic intraocular lens for myopia: short-term results of a prospective, multicenter study. *Ophthalmology* 2002; 109:1631–1641.
- 71) **Malecaze FJ, Hulin H, Bierer P, Fournie P, Grandjean H, Thalamas C, et al.,**A randomized paired eye comparison of two techniques for treating moderately high myopia: LASIK and artisan Phakic lens. *Ophthalmology*. Sep 2002; 109(9):1622-30.
- 72) **Macrae S M and Subbaram M V:** Customized Corneal Treatments for Refractive Errors. In: **Kohnen T** and **Koch DD**, editors: *Essentials in Ophthalmology: Cataract and Refractive Surgery*. Springer-Verlag Berlin Heidelberg, 2006; 5:49-61.
- 73) **Marinho A, Pinto MC, Vaz F.** Phakic Intraocular lenses: Which to choose. *Curr Opin Ophthalmology* 2000;11 (4):280-8.
- 74) **Maroccos R,Vaz F and Marinho A :** Glare and halos after “Phakic IOL.” Surgery for the correction of high myopia. *Ophthalmology*, 2001; 98:1055 - 59.

- 75) **McGhee C, Craig J, Sachdev N, et al.** Functional. Psychological and satisfaction outcomes of Laser in situ Keratomileusis for high myopia. *J Cataract Refract Surgery* 2000; 26(4): 497-509.
- 76) **Menezo JL, Avino JA, Cisneros A, et al.** Iris claw Phakic intraocular lens for high myopia. *J Refract Surgery* 1997; 13:545–555.
- 77) **Menezo JL, Peris-Martinez C, Cisneros A et al.** Posterior chamber Phakic intraocular lenses to correct high myopia: a comparative study between Staar and Adatomed models. *J Refract Surgery* 2001; 17:32–42.
- 78) **Mimouni F, Colin J, Koffi V, et al.** Damage to the corneal endothelium from anterior chamber intraocular lenses in Phakic myopic eyes. *Refract Corneal Surgery* 1991; 7:277–281.
- 79) **Morgan I and Rose K:**"How genetic is school myopia?". *Prog Retin Eye Res*, January 2005; 24 (1): 1–38.
- 80) **Morgan M.** Changes in refraction over a period of twenty years in a non-visually selected sample. *Am J Optom* 1958; 35:281-299.
- 81) **Muftuoglu O and Alio JL:** Anterior Chamber Angle-Supported Complications: Prevention and Treatment, in Alio JL and Azar DT: *Management of Complications in Refractive Surgery*, 2008; 13.1: 226-236.
- 82) **Nordan L and Morris M:** The Vision Membrane. In: Fine IH, Packer M, and Hoffman RS, eds: *Refractive lens*

- surgery. Springer Verlag Berlin Heidelberg, 2005; 187-92.
- 83) **Nuijts RM:** Using the Artisan Toric IOL, Cataract & Refractive Surgery Today Europe, November/December 2006;12-18.
- 84) **Pallikaris I, Papatzanaki M, Stahi E, et al.** Laser in situ keratomileusis. *Lasers Surg Med* 1990;10(5):463-8.
- 85) **Perez-Santonja JJ, Alio JL, Jimenez-Alfaro I, et al.** Surgical correction of severe myopia with an angle-supported Phakic intraocular lens. *J Cataract Refract Surgery* 2000; 26:1288–1302.
- 86) **Pineda-Fernandez A, Jaramillo J, Vargas J, Jaramillo M, Jaramillo J. and Galindez.** : A.Phakic posterior chamber IOL for high myopia. *J Cataract Refract. Surg.* 2004; 30: 2277-2283.
- 87) **Sanders DR, Vukich JA, Doney K, et al.** U.S. Food and Drug Administration clinical trial of the Implantable Contact Lens for moderate to high myopia. *Ophthalmology* 2003; 110:255–266.
- 88) **Shah S, Laiquzzaman M and Doyle SJ:** Surgical procedures. In Shehzad A Naroo, *Refractive surgery: a guide to assessment and management* 2004; 4:27-34.
- 89) **Snell RS and Lemp MA:** The Eyeball. In *Clinical Anatomy of the Eye*, 2nd ed. Blackwell Science, Inc, 1998:136-213.

-
- 90) **Sorsby A.** The functional anomalies. Section I. Refraction and accommodation. Modern ophthalmology. Philadelphia: JB Lippincott, 1972:9-29.
- 91) **Sorsby A, Leary GA, Richards MJ.** Correlation ametropia and component ametropia. *Vision* 1962; 2:309-13.
- 92) **Spadea L, Palmieri G, Mosca L, et al.** Iatrogenic keratectasia following laser in situ Keratomileusis. *J Refract Surgery* 2002; 18 (4): 475-80.
- 93) **Summanen P, Kivitie-Kallio S, Norio R, Raitta C and Kivelä T:** "Mechanisms of myopia in Cohen syndrome mapped to chromosome 8q22". *Invest. Ophthalmology. Vis. Sci.*, 2002; 43 (5): 1686–1693.
- 94) **Stonecipher KG, et al. EW Roundtable:** The Unhappy Postoperative Refractive Patient. *Eye World*. May 2002.
- 95) **Tasman W and Jaeger EA:** Duane's Ophthalmology, 2007; chapter 11:204-210.
- 96) **Tehrani M and Dick HB:** Short-term follow-up after implantation of a foldable iris-fixated intraocular lens in Phakic eyes. *Ophthalmology* 2005; 112:2189–2195.
- 97) **Verma A:** Myopia, Phakic IOL. www.emedicine.com, 2008. Last accessed on August 2010.
- 98) **Verma A, Singh D.** Active vision therapy for pseudophakic amblyopia. *J Cataract Refract Surg.* Sep 1997; 23(7):1089-94.

- 99) **Vukojević, N; Sikić J, Curković T, Juratovac Z, Katusic D, Saric B and Jukic T:** "Axial eye length after retinal detachment surgery". *Collegium antropologicum*, 2005; (Suppl 1): 25–27.
- 100) **Waring GO,** Refractive intraocular lenses. In Wu HK, Thompson VM, Steinert RF, and Hersh PS. "Refractive surgery". New York, Thieme, 1999; chapter31:441-52 .
- 101) **Yu EYW and Jackson WB:** Recent Advances in Refractive Surgery. *Canadian Medical Association Journal* 1999; 160(9):1329-37 .