

References

Agarwal S., Agarwal A. and Agarwal A.: Corneal Ectasia Post-LASIK In: Dr Agarwal's textbook on corneal topography. 2nd Edition. Jaypee Highlights Medical Publishers, Inc , 2010:36:95.

Agarwal S, Agarwal AT and Agarwal AM : Anterior Keratoconus. In: Dr Agarwal's Step by Step Corneal Topography. 2nd Edition. Jaypee Brothers, New Delhi, 2006:38-46.

Agarwal VB. Corneal collagen cross- linking with riboflavin & ultraviolet ray in Indian eyes. Indian J ophthalmol . 2009;57: 111-4 .

Ahearne M. Non-destructive mechanical characteristics of UVA/riboflavin crosslinked collagen hydrogels. Br J Ophthalmol. , 2008; 92:268-271.

Al-Torbak AA, Al-Motowa S, Al-Assiri A, et al. Deep anterior lamellar keratoplasty for keratoconus. Cornea 2006; 25:408–412.

Andrea L. Inherited Corneal Disease in Clinical & Experimental Ophthalmology. 2005 ;33(3):303-316.

Angunawela RI. Peripheral sterile corneal infiltrates and melting after collagen crosslinking for keratoconus. J Refract Surg. 2009;35:606-607.

Arbelaez MC. Super vision: Dream or reality. J Refract surg. 2001;17:211-215.

Arthur C and Eugene Y. Simultaneous Surface Ablation and CXL; 50 I cataract & refractive surgery today Europe I, 2009.

References

Aylin K. Corneal Crosslinking for Different Corneal Diseases I Catarct& Refractive Surgery Today Europe I 2009:25-28.

Barbara A, Shehadeh-Masha'our R, Zvi F. Management of pellucid marginal degeneration with intracorneal ring segments. J Refract Surg. 2005;21:296–298.

Bartlett JD and Jaanus SD. Pharmacologic Management In:Clinical ocular pharmacology. 5th Edition. Butterworth-Heinemann. 2008;2:492-665.

Baumeister M, Klaproth OK, Gehmlich J, et al. Changes in corneal first-surface wavefront aberration after corneal collagen cross-linking in keratoconus. Klin Monbl Augenheilkd, Goethe-Universität, Frankfurt am Main.2009;226(9):752-6.

Binder PS, Lindstrom RL, Stulting RD, et al. Keratoconus and corneal ectasia after LASIK. J Cataract Refract Surg. 2005;31:2035–203.

Bottos KM., Immunofluorescence confocal microscopy of porcine corneas following collagen cross-linking treatment with riboflavin and ultraviolet A. J Refract Surg. 2008;24:S715-S719.

Braun E, Kanellopoulos J, Pe L, et al. Riboflavin/ Ultraviolet A-induced collagen cross-linking in the management of keratoconus. Invest. Ophthalmol. Vis. Sci. 2005; 46: 49-64.

Brians. Corneal Collagen Crosslinking with Riboflavin A new treatment to strengthen the cornea for keratoectasia and keratoconus. Catarct& Refractive Surgery Today I . 2009:73.

Caporossi A, Baiocchi S, Mazzotta C,et al. Parasurgical therapy for keratoconus by riboflavin ultraviolet type a rays induced cross-linking of corneal collagen: preliminary refractive results in an Italian study. J Cataract Refract Surg . 2006;32(5):837-45.

References

- Caporossi A, Mazzotta C and Baiocchi S.** Technological innovations in corneal cross-linking. *Ophthalmology Times Europe* 2007; 3(7):34-37.
- Carlo F Lovisolo, Alessandro Mularoni and Fabio Mazzolani.** Combining INTACS implantation with other refractive and non-refractive procedures, *J Emmetropia* 2010;1: 148-163.
- Chan CK.** Effect of inferior-segment Intacs with and without C3-R on keratoconus. *J Cataract Refract Surg.* 2007;33:75-80.
- Charters L.** Numerous risk factors found for corneal ectasia after LASIK. *Ophthalmology Times.* Aug 1, 2007.
- Cheng E, Maruyama I, SundarRaj N, et al.** Expression of type XII collagen and hemidesmosome-associated proteins in keratoconus corneas. *Curr Eye Res* 2001; 22: 333–340.
- Chwa M, Atilano SR, Reddy V, et al.** Increased stress-induced generation of reactive oxygen species and apoptosis in human keratoconus fibroblasts. *Invest Ophthalmol Vis Sci.* 2006 ; 47:1902-10.
- Corbett MC, Rosen E and O'Brart D..** Keratoconus - corneal ectasia –diseases. In: *Corneal Topography : principles and application.* 1st Edition. BMJ Books ,London 1999;9:119-126.
- Coskunseven E, Jankov MR 2nd, Hafezi F.** Contralateral eye study of corneal collagen cross-linking with riboflavin and UVA irradiation in patient with keratoconus. *Cornea.* 2009; 28(5): 498-502.

References

- David C. Paik, Quan Wen, Richard E , et al .** Trokel. Initial Studies Using Aliphatic β -Nitro Alcohols for Therapeutic Corneal Cross-Linking, Invest Ophthalmol Vis Sci 2009; 50(3): 1098–1105.
- Deborah P and Langston.** Ocular Manifestations of Systemic Disease In: Manual of ocular diagnosis and therapy. 6nd Edition. Lippincott Williams & Wilkins. 2007; 23:408-430.
- Duncker .** Pellucid marginal corneal degeneration: evaluation of the corneal surface and contact lens fitting; *Br J Ophthalmol*. 2006;90:318-323.
- Efron N.** Corneal topography In :Contact lens practice. 2nd Edition. Butterworth-Heinemann. 2010:64-103.
- Ertan A, and Colin J.:** Intracorneal rings for Keratoconus and keratectasia. J Cataract Refract Surg. 2007;33:1303-1314.
- Espandar L and Meyer J.** Keratoconus: overview and update on treatment. Middle East Afr J Ophthalmol. 2010 Jan;17(1):15-20.
- Fam HB, Lim kL.** Corneal elevation indices in normal and Keratoconic eyes – J cataract and Refract Surg. 2006;32:1281-1287.
- Feder RS.** Noninflammatory Ectatic Disorders. In: CORNEA. Krachmer JH, Mannis MJ, Holland EJ (ed). 2nd Edition. Mosby, St.Louis. 2005: 955-966.
- Frederick HR, Frederick WF, Frederick TF, et al .** Corneal Edema. In :Current Ocular Therapy. 6th Edition . Saunders .2008 ; 32:378-80.
- Garg S.** Intrastromal corneal ring. In : Innovative Techniques in Ophthalmology. 1st Edition. Jaypee Brothers Medical Publishers. 2006:136-138.

References

Gary S. Post-LASIK Ectasia. In : Around the Eye in 365 Days. 1st edition. Slack Incorporated . 2008:84.

George D Kymionis, Vasilios F Diakonis, Efehan Coskunseven, et al. Customized pachymetric guided epithelial debridement for corneal collagen cross linking,BMC Ophthalmol 2009;9:5.

Gilbert S, Charles SF, Dimitri T A, Ectatic Disorders of the Cornea. In : Smolin and Thoft's The Cornea: scientific foundations and clinical practice. 4th edition. Lippincott Williams & Wilkins .2005 ; 30:895-1073.

Grewal S. P. S, Sukhbir Grewal, Rajeev Gupta and Harish Kumar. Treatment for keratoconus, Foresight News Letter of Grewal Eye Institute . Jan 2007;7: 3.

Grünauer K and Duncker GI. Keratoconus: epidemiology, risk factors and diagnosis Klin Monbl Augenheilkd. Jan 2006; 223(6):493-502.

Hafezi F, Mrochen M, Iseli HP, Seiler T. Collagen crosslinking with ultraviolet-A and hypo-osmolar riboflavin solution in thin corneas. J Cataract Refract Surg. 2009;35:621-624.

Hafezi F, Mrochen M, Kanellopoulos J, Hoppeler T, Wiltfang R, Seiler T. Corneal collagen cross-linking with riboflavin/UVA for the treatment of induced keratectasia after laser in situ keratomileusis. J Cataract Refract Surg, 2007.

Hafezi F. Cross-Linking of Corneal Collagen with UVA and Riboflavin for the Treatment of Corneal Disease Iranian Journal of Ophthalmology . 2009; 21(2):3-12.

Hayes S. Effect of complete epithelial debridement before riboflavin-ultraviolet-A corneal crosslinking therapy. J Cataract Refract Surg 2008; 34:567-661.

References

Hersh PS, Greenstein SA, Fry KL . Corneal collagen crosslinking for keratoconus and corneal ectasia: One-year result . Jounal of cataract & Refractive surgery. 2011;37 (1) : 149-160.

Hiatt JA, Wachler BS and Grant C. Reversal of laser in situ keratomileusis-induced ectasia with intraocular pressure reduction. J Cataract Refract Surg. 2005;31(8):1652-1655.

Holladay JT: Detecting forme fruste keratoconus with the Pentacam. J Cataract & Refractive Surgery Today.2008:11-15.

Hubbe RE, Foulks GN. The effect of poor Fixation on computer-assisted topographic corneal analysis, psedokeratoconus – Ophthalmology. 1994 ;101:1745-1748

Iseli HP, Thiel MA, Hafezi F, Kampmeier J and Seiler T. Ultraviolet A/riboflavin corneal cross-linking for infectious keratitis associated with corneal melts. Cornea. 2008;27(5):590-4.

Iseli PH, Spoerl E, Wiedemann P, Krueger RR and Seiler T. Efficacy and safety of blue-light scleral cross-linking. J Refract Surg 2008; 24:752-755.

James D., Andrew J. Quantock, Valerie A. Smith, and Keith M. Meek. Light Transmission in the Human Cornea as a Function of Position across the Ocular Surface: Theoretical and Experimental Aspects; Biophys J. 2008;95(11): 5092–5099.

Jaya Gupta Perspective Corneal collagen cross-linking Scientific Journal of Medical & Vision Research Foundations .2010;3:43-46.

References

Jaypee B. Indocyanine Green and Forced Hydrodissection. In: Step by step anterior and posterior lamellar keratoplasty. 3rd edition. Jaypee Brothers Medical Publishers 2006:2-87.

Jorge LA. and Dimitri TA. Corneal Ectasia. In : Management of Complications in Refractive Surgery. 2008 Edition. Springer , 2008;5.3:91.

Josef Reiter. Is CXL an Alternative to Keratoplasty? CXL may postpone or prevent corneal transplantation in patients with progressive keratoconus or pellucid marginal degeneration. Cataract & Refractive Surgery Today Europe I 2009:25.

Juliet T. Corneal Collagen Cross-Linking for Keratoconus and Ectasia Cataract & Refractive Surgery Today 2009:20

Kanellopoulos JA and Binder PS. Management of corneal ectasia after LASIK with combined, same-day, topography-guided partial transepithelial PRK and collagen cross-linking: The Athens Protocol 2010;5:1-9

Khadem J, Truong T, Ernest JT. Photodynamic biologic tissue glue. Cornea 1994; 13:406–410.

Kirwan C. Corneal hysteresis and corneal resistance factor in keratoectasia: findings using the Reichert ocular response analyzer. Ophthalmologica. 2008;222(5):334-7. Epub 2008 Jul 15.

Klein SR, Epstein RJ, Randleman JB and R.D. Stulting. Corneal ectasia after laser in situ keratomileusis in patients without apparent preoperative risk factors. Cornea. 2006;25:388–403.

References

Kohlhaas M, Spoerl E, Speck A, Schilde T, Sandner D and Pillunat LE. A new treatment of keratectasia after LASIK by using collagen with riboflavin/UVA light cross-linking. *Klin Monatsbl Augenheilkd* 2005;222(5):430-6.

Kohlhaas M. Collagen-crosslinking with riboflavin und UVA-A light in keratoknus. *Ophthalmologe* 2008;105:785-796.

Kohlhaas M. Biomechanical evidence of the distribution of cross-links in corneas treated with riboflavin and ultraviolet A light. *J Cataract Refract Surg.* 2006 ; 32:279-83.

Krachmer JH, Mark J. Mannis and Edward J. Ectatic Disorders of the Cornea. In: *Cornea fundamental diagnosis and management* . 3rd edition . Mosby. 2010;11:7-974 .

Lee T. Nordan, Treating Corneal Pellucid Marginal Degeneration I Catarct & Rerfractive Surgery Today I .2007:15.

Liu J, Roberts CJ. Influence of corneal biomechanical properties on intraocular pressure measurement: quantitative analysis. *J Cataract Refract Surg.* 2005; 31:146–155.

Maguire LJ. Keratometry, Photokeratoscopy, and computer- Assisted Topographic Analysis. In: *Cornea..* 2005; 2:171-184.

Marco A, Barmak A and Mauro Z, Refractive Changes Following CXL An evaluation of higher-order aberrations and corneal curvature after crosslinking. *Catarct & Refractive Surgery Today Europe.* 2009;1:33.

References

- Mazzotta C, Balestrazzi A, Traversi C, et al.** Treatment of progressive keratoconus by riboflavin-UVA-induced cross-linking of corneal collagen: ultrastructural analysis by Heidelberg Retinal Tomograph II in vivo confocal microscopy in humans. *Cornea*. 2007;26(4):390-7.
- Melki S., Dimitri T. Azar** . Treatment of post-LASIK keratectasia. In: 101 Pearls in Refractive, Cataract, and Corneal surgery. 2nd Edition. SLACK Inc . 2006;14:66.
- Menucci R.** Riboflavin and ultraviolet A collagen crosslinking: in vivo thermographic analysis of the corneal surface. *J Cataract Refract Surg* 2007;33:1005-1008.
- Mérula RV and Trindade FC.** Pellucid marginal degeneration: diagnosis and treatment; *Arq Bras Oftalmol* 2006; 69(3):447-53.
- Millis EA** . Noncontact lens-induced conditions . In : Medical contact lens practice. 1st ed. Butterworth-Heinemann, Philadelphia. 2005;10:103-109.
- Milton MH and Adrian SRB.** Keratoconus. In :Manual of contact lens prescribing and fitting. 3rd Edition. Butterworth-Heinemann. 2006: 503-508.
- Mirko R, Jankov II, Vesna J, et al** . Corneal collagen cross-linking, *Cornea/Refractive update*. April 2010;17:2.
- Miyajima B , Nakamura K , Kaido M , et al.** Role of the endothelial pump in flap adhesion after laser in situ keratomileusis. *J. Cataract Refract. Surg*. 2004;30: 1989-1992.
- Myrowitz EH, Melia M, O'Brien TP.** The relationship between longterm contact lens wear and corneal thickness. *CLAO J* 2002;28: 217–220.

References

Nasser M., Sasan Moghimi , Masoud Fard, Mohammad Reza and Mohammad Mansouri. Corneal endothelial cell density and morphology in normal Iranian eyes, BMC Ophthalmology, 2006;10.1186/1471-2415-6-9.

Noguera GE. Ocular response analyser uses to measure corneal biomechanics. Invest Ophthalmol Vis . 2007;48:1860.Sci.

O'donnell C, Welham L and Doyle S. Contact lens management of keratectasia after laser in situ keratomileusis for myopia. Eye Contact Lens.2006;30(3):144-146.

Patrick C. Etiology, Diagnosis, and Management of Keratoconus: New Thoughts and New Understandings. College of Optometry, Pacific University Oregon. 2009; 35:151-167.

Rabinowitz YS, Nesburn AB, McDonnell PJ. Videokeratography of the fellow eye in unilateral keratoconus. Ophthalmology 1993;100:181–6.

Rabinowitz YS. Ectasia after laser in situ keratomileusis. CurrOpinOphthalmol 2006;17(5):421-6.

Rabinowitz YS.Major Review of Keratoconus. Surv Ophthalmol, 1998;42: 297-319.

Rachael L. Niederer, Divya Perumal, Trevor Sherwin,et al. Laser Scanning In Vivo Confocal Microscopy Reveals Reduced Innervation and Reduction in Cell Density in All Layers of the Keratoconic Cornea. Investigative Ophthalmology & Visual Science, 2008;49:7-9.

Raiskup-Wolf F, Hoyer A, Spoerl E and Pillunat LE. Collagen crosslinking with riboflavin and ultraviolet-A light in keratoconus: long-term results. J Cataract Refract Surg. 2008;34(5):796- 801.

References

Rasik B Vajpayee, Namrata Sharma, Samir A Melki ,et al. Postoperative LASIK complications. In :Step by Step LASIK Surgery.1st Edition. Informa Healthcare. 2005:122-220.

Rebecca T and Philippa M. Intrastromal corneal ring segments (ICRS) for keratoconus and corneal ectasia,MSAC application assessment report. 2007;1083:85-90.

Roberts C. Biomechanics of the cornea and wavefront-guided laser refractive surgery. J. Refract. Surg. 2002; 18: 589-592.

Roger FS. and David H. INTACTS . In :Anterior Segment Optical Coherence Tomography.1st Edition. Slack Inc. 2008 ;7:73-87.

Romppainen T. Effect of riboflavin-UVA-induced collagen crosslinking on intraocular pressure measurement. Invest Ophthalmol Vis Sci. 2007 ; 48:5494-5498.

Salgado J P, R Khoramnia, C P Lohmann, C Winkler von Mohrenfels. Corneal collagen crosslinking in post-LASIK keratectasia *Br J Ophthalmol* doi:10.1136/bjo.2010.

Schmack I, Dawson DG, McCarey BE, et al. Cohesive tensile strength of human LASIK wounds with histologic, ultrastructural, and clinical correlations. J. Refract. Surg. 2005; 21: 433-445.

Seiler T and Hafezi F. Corneal crosslinking-induced stromal demarcation line. *Cornea*, 2006;25(9):1057-9.

References

Semchishen V.A., Mrochen M., Seminogov V.N. Light beam shaping and homogenization (LSBH) by irregular microlens structure for medical applications. SPIE Proc. 1998, 3251, 28-33.

Semchishen V.A., Mrochen M., Seminogov V.N. Light beam shaping and homogenization (LSBH) by irregular microlens structure for medical applications. SPIE Proc. 1998, 3251:28-33.

Sharma . Diseases of The Cornea & The Sclera. In : Concise Textbook Of Ophthalmology. Sudan R(ed). 1st Edition . Elsevier India. 2006:108-114.

Sinjab M . Management of Keratoconus .In : Quick Guide to the Management of Keratoconus .2012 Edition. Springer . 2012:38-59.

Spoerl E . Safety of UVA-riboflavin cross-linking of the cornea. Cornea 2007; 26(4):385- 9.

Spoerl E, Mrochen M, Sliney D, Trokel S, Seiler T. Safety of UVA-Riboflavin Cross-Linking of the Cornea. Cornea. 2007 ;26(4):385-389 .

Spoerl E, Seiler T: Techniques for stiffening the cornea. J. Refract. Surg.1999;15: 711-713.

Stéphanie Proulx, Jean-Michel Bourget, Nicolas Gagnon, Sophie Martel and Alexandre Deschambeault. Optimization of culture conditions for porcine corneal endothelial cells,Mol Vis.2007; 13: 524–533.

Suzanne CS, Brenda GB, Janice LH. Brunner and Suddarth's textbook of medical-surgical nursing .2009:1776.

References

Swanson MM. Intacs for keratoconus using the steepest-axis incision technique: 2-year results. Program and abstracts from the American Society of Cataract and Refractive Surgery 2005 Symposium on Cataract, IOL and Refractive Surgery. April 15-20, 2005.

Tervo T., Vesaluoma M., Bennett G.L. Tear hepatocyte growth factor (HGF) availability increases markedly after excimer laser surface ablation. Exp. Eye Res.1997;64:501-504.

Theodore G. Optometric Diagnosis & Management . In: Primary care optometry. 5th Edition. Butterworth-Heinemann, St. Louis . 2007:251-273.

Thompson D.P. and William George. Management of Keratoconus. In: The ophthalmic Review: A record of Ophthalmic Science. 2008 Edition. BiblioBazaar. 2008;25:88.

Torsten S, Matthias G and Faik G. Cornea. In : Pocket Atlas of Ophthalmology (Clinical Sciences). 2nd Edition. Thieme . 2007:88-96.

Wang M. Postoperative management after refractive surgery. In : Corneal Topography in the Wavefront era: A Guide for Clinical Application. 1st Edition. SLACK Inc. Thorofare, NJ, 2006 ; 2: 13-124.

Weng S and William R. Cornea. In : Ophthalmic Pathology: an illustrated guide for clinicians. 1st Edition. BMJ Books. 2005:88.

Wilson SE, Ambrsio R Jr, Klyce SD. Corneal topographic and pachymetric screening of keratorefractive patients. J Refract Surg. 2003 Jan-Feb;19(1):24-9.

Wollensak G. and Herbst Hermann. Significance of the Lacunar Hydration Pattern After Corneal Cross Linking, Cornea .2010;29 (8):899-903.