

References

References

- **Alio JL, Javaloy J, Osman AA, Galvis V, Tello A and Haroun HE 2004:** Laser in situ keratomileusis to correct post-keratoplasty astigmatism; 1-step versus 2-step procedure. *J Cataract Refract Surg.* Nov;30(11):2303-2310.
- **Alio´ JL, Pinero DP 2008.** Very high-frequency digital ultrasound measurement of the LASIK flap thickness profile using the IntraLase femtosecond laser and M2 and Carriazo-Pendular microkeratomes. *J Refract Surg,* ; **24**:12–23.
- **Al-Yousuf N and Mavrikasis I, Mavrikasis E, Daya SM 2004:** Penetrating Keratoplasty: indications over a 10 year period. *Br J Ophthalmol.* Aug; 88(8):998-1001.
- **Ang E K, Couper T, Dirani M, Vajpayee R B, Franzco, Baird P N 2009.** Outcomes of laser refractive surgery for myopia. *Cataract Refract Surg.;* **35**:921– 933.
- **Auffarth G 2006:** Femtosecond laser shows promise for penetrating keratoplasty procedures. *Am J Ophthalmol.* May;142(5):224-226.
- **Bahar I, Kaiserman I, McAllum P and Rootman D 2008:** Femtosecond laser assisted penetrating keratoplasty:stability evaluation of different wound configurations. *Cornea* Feb;27(2):209-211.
- **BarkanaY and Belkin M 2000.** Laser eye injuries. *Surv ophthalmol* 44; 459-478.
- **Bille JF2008.** femtosecond laser in ophthalmology.surgery and imaging.ultrashort laser pulses in biology and medicine Springer Berlin Heidelberg:53-73.

- **Binder PS 1999.** Defining the profile of the Automated Corneal Shaper microkeratome. *Ophthalmic Practice* ; **17**:308–13.
- **Binder PS 2003** Ectasia after laser in situ keratomileusis. *J Cataract Refract Surg.*; **29**:2419–29.
- **Binder PS.2006** One thousand consecutive IntraLase laser in situ keratomileusis flaps. *J Cataract Refract Surg.* ; **32**:962–9.
- **Binder PS, Sarayba M, Ignacio T, Juhasz T. 2008** Characterization of submicrojoule femtosecond laser corneal tissue dissection. *J Cataract Refract Surg.* ; **34**: 146-152.
- **Bindewald A, Jorzik JJ, Loesch A, and Schutt F, Holz FG 2004:** Visualization of retinal pigment epithelial cells in vivo using digital high resolution confocal scanning laser ophthalmoscopy. *Am J Ophthalmol* .Mar; 137(3): 556-8.
- **Biser SA, Bloom AH, Donnenfeld ED, Perry HD, Solomon R and Doshi S 2003:** Flap folds after femtosecond LASIK .Eye contact lens. Oct ; 29(4):252-254.
- **Blum M, kunert k, Nolte S, Riehemann S, Palme M, Peschel T, DickM, Dick HB 2006:** Presbyopia treatment using a femtosecond laser. *Ophthalmology* 2003. Dec; 103(12):1014-9.
- **Bochmann F and Schipper I 2006 :**Correction of post-keratoplasty astigmatism with keratotomies in the host cornea.*J Cataract Refract Surg.* Jun;32(6):923-928.
- **Burkhard V J and Thomas K 2009.** Corneal architecture of femtosecond laser and microkeratome flaps imaged by anterior segment optical coherence tomography. *J Cataract Refract Surg.*; **35**:35–41.
- **Buratto L and Böhm E 2007:**the use of femtosecond laser in penetrating keratoplasty .*Am J Ophthalmol*. May; 143(5):737-742.

- **Chang JS 2008:** complications of sub-Bowman's keratomileusis with a femtosecond laser in 3009 eyes. *J refract Surg.* Jan;24(1):97-101.
- **Chang D.F., Nichamin L. D., Slade S.G.; Steinert R.F., Vukich J. A. 2009** Lasers in Cataract Surgery. *Cataract & Refractive Surgery Today.* November/December 25:28.
- **Chai D, Chaudhary G, Mikula E, et al., 2008.** 3D Finite element model of aqueous outflow to predict the effect of femtosecond laser created partial thickness drainage channels. *Lasers Surg Medic* 40:188–195.
- **Cheng YY, Pels E, Cleutjens JP, van Suylen RJ, Hendrikse F and Nuijts RM 2007:** Corneal endothelial viability after femtosecond laser preparation of posterior lamellar discs for descemet stripping endothelial keratoplasty. *Cornea* Oct;26(9):1118-1122.
- **Cheng YY, Hendrikse F, Pels E, Wijdh RJ, van Cleynenbreugel H, Eggink CA, van Rij G, Rijneveld WJ and Nuijts RM 2008:** Preliminary results of femtosecond laser-assisted descemet stripping endothelial keratoplasty. *Arch Ophthalmol.* Oct;126(10):1351-1356.
- **Colin, J 2006.** European clinical evaluation: use of Intacs for the treatment of keratoconus. *J Cataract Refract Surg.*; 32:747–55.
- **Costa RA, Farah ME, Cardillo JA, et al 2001.** Photodynamic therapy with indocyanine green for occult subfoveal choroidal neovascularization caused by age-related macular degeneration. *Curr Eye Res*;23:271–5.
- **Dan, 2005:** Randomized prospective clinical study comparing induced aberrations with IntraLase and Hansatome flap creation in fellow eyes: Potential impact on wavefront-guided laser in situ

keratomileusis European Society Of Cataract And Refractive Surgeons January 97-105.

- **Diels J, Rudolph W 1996.** Ultrashort laser pulse phenomena: Fundamentals, techniques, and applications on a femtosecond time scale. San Diego, California: Academic Press.
- **Doane J F 2009.** Incorporating the VisuMax Femtosecond Laser Into Practice. One surgeon's overview of the system's design, accuracy, and performance capabilities. Cataract and Refractive surgery today. ;4: 43-3.
- **Duffey RJ. 2005.** Thin flap laser in situ keratomileusis: Flap dimensions with the Moria LSK-One manual microkeratome using the 100 mm head. J Cataract Refract Surgery; **31**:1159–62.
- **Durrie DS, Kezirian GM 2005.** Femtosecond laser versus mechanical keratome flaps in wavefront-guided laser in situ keratomileusis; prospective contralateral eye study. J Cataract Refract Surg.; **31**:120–6.
- **Ertan A, Bahadir M 2006:** Intrastromal ring insertion using a femtosecond laser to correct pellucid marginal corneal degeneration. J Cataract Refract SurgOct;32(10):1710-6.
- **Ertan A, Kamburoglu G and Akgün U 2007 :**Analysis of centration of Intacs segments implanted with a femtosecond laser. J Cataract Refract Surg.; **33**:484–7.
- **Feder, Robert S, Rapuano, Christopher J. (ed) 2007.** Title: LASIK Handbook, The: A Case-Based Approach, 1st Edition. Lippincott Williams & Wilkins,;44-49.
- **Flanagan G, Binder PS 2003.** Estimating residual stromal thickness before and after laser in situ keratomileusis. J Cataract Refract Surg.; **29**:1674–83.
- **Fransesconi CM, Azar D and Talamo JH 1994:**Incisional Refractive Surgery.In:Albert D, Jakobiec FJ, eds.Principles and

Practice of Ophthalmology. Philadelphia, Pa.; WB Saunders;:1079-1098.

- **Ghanem RC, Azar DT 2006.** Femtosecond-laser arcuate wedge-shaped resection to correct high residual astigmatism after penetrating keratoplasty. *J Cataract Refract Surg*; **32**: 1415–19.
- **Gil-Cazorla R, Teus MA, de Benito-Liapis L and Fuentes I 2008:** incidence of diffuse lamellar keratitis after laser in situ keratomileusis associated with the IntraLase 15 kHz femtosecond laser and Moria M2 microkeratome. *J Cataract Refract Surg*. Jan; **34**(1): 28-31.
- **Gorovy MS 2006:** descemet stripping endothelial keratoplasty. *Cornea* Sep; **25**(8):886-889.
- **Hamilton DR, Johnson R D, Lee N, Bourla N 2008.** Differences in the corneal biomechanical effects of surface ablation compared with laser in situ keratomileusis using a microkeratome or femtosecond laser. *J Cataract Refract Surg*.; **34**:2049–2056.
- **Harissi-Dagher M and Azar DT 2008:** femtosecond laser astigmatic keratotomy for post keratotomy astigmatism. *Can J Ophthalmol*. Jun; **43**(3):367-369.
- **Heisterkamp A, Ripken T, Mamom T 2004.** Nonlinear side effects of FS-pulses inside corneal tissue during photodisruption. *Appl Phys B*.; **74**: 1-7.
- **Hellstedt T, Ma"kela" J, Uusitalo R 2005** Treating keratoconus with Intacs corneal ring segments. *J Refract Surg*. ; **21**:236–46.
- **Holzer MP, Rabsilber TM, Auffarth GU 2007 :** Penetrating keratoplasty using femtosecond laser. *A M j Ophthalmol*. Mar; **143**(3):524-6.
- **Holzer M.P. 2009:** updates on intraCOR. *Cataract & refractive surgery today*.

- **Hou DX, Butler DL, He LM et al., 2009.** Experimental study on low pulse energy processing with femtosecond lasers for glaucoma. *Lasers Med Sci* 24:151–154.
- **Jacoby M 2004.** Single N2 bonding orbital imaged: femtosecond laser pulses are key to providing tomographic orbital image. *Chem Eng News.*; **82**:10–11.
- **Jagow v. 2009** Corneal architecture of femtosecond laser and microkeratome flaps imaged by anterior segment optical coherence tomography European Society Of Cataract And Refractive Surgeons January 35-41.
- **Juhasz T, Kurtz RM, Sacks ZS, Mourau GA 2002:** High precision subsurface photodisruption in human sclera. *J Biomed Opt.* Jul;7 (3):442-50.
- **Kamburoğlu G and Ertan A 2008:**Epithelial ingrowth after femtosecond laser-assisted in situ keratomileusis cornea Dec;27(10):1122-1125.
- **Kezirian GM and Stonecipher KG 2004.** Comparison of the Intra-Lase femtosecond laser and mechanical keratome for laser in situ keratomileusis. *J Cataract Surg* 30:804–811
- **Kim JH, Lee D, Rhee K-I. 2008** Flap thickness reproducibility in laser in situ keratomileusis with a femtosecond laser: optical coherence tomography measurement. *J Cataract Refract Surg.*; 34:132–6 .
- **Kim JH, Lee D, Hahn TW et al., 2009.** New surgical strategy for corneal tattooing using a femtosecond laser. *Cornea* 28:80–84.

- **Kim JH, Yum JH, Lee D et al., 2008.** Novel technique of corneal biopsy by using a femtosecond laser in infectious ulcers. *Cornea* 27:363–365.
- **Koenig SB, Covert DJ, Dupps WJ Jr and Meisler DM 2007:**visual acuity, refractive error, and endothelial cell density six months after descemet stripping automated endothelial keratoplasty(DSAEK).*Cornea* Jul;26(6):670-674.
- **Kohnen and Koch 2005.** Cataract and Refractive Surgery. In: **Krieglstein G K, Weinreb N** (ed): essentials of ophthalmology. Springer publishing house, Schwedter Str. 263 _10119 Berlin,: 177-8.
- **Krueger RR, Kuszak J, Lubatschowski H. Myers RI, Ripken T,Heisterkamp A 2005 :** First safety study of femtosecond laser photodisruption in animal lenses: tissue morphology and cataractogenesis. *J Cataract Refract Surg.* Dec; 31 (12):2386-Links.
- **Krueger RR, Thornton Il. 2008.** Rainbow glare as an optical side effect of Intra LASIK. *Ophthalmology*; 115: 1187– 95.
- **Krueger RR, Sun X, Stroh J et al., 2001** Experimental increase in accommodative potential after neodymium: Yttrium-Aluminum-Garnet laser photodisruption of paired cadaver lenses. *Ophthalmology* 108:2122–2129.
- **Kymionis GD (B), Yoo SH, Ide T and Culbertson WW 2009:** femtosecond laser assisted astigmatic keratotomy for post-keratoplasty irregular astigmatism. . *J Cataract Refract Surg.* Jan;35(1):11-13.

- **Lichter H, Russell G and Waring GO 2004.** Repositioning the laser in situ keratomileusis flap at the slit lamp. *J Refract Surg* 20:166–169.
- **Lifshitz T, Levy J, Klemperer I. 2005,** Anterior chamber gas bubbles after corneal flap creation with a femtosecond laser. *J Cataract Refract Surg*; **31**: 2227–9.
- **Lim T, Yang S, Kim M and Tchah H 2006:** comparison of intralase femtosecond laser and mechanical microkeratome for laser in situ keratomileusis. *Am J Ophthalmol.* May;141(5):833-839.
- **Linebarger EJ, Hardten DR and Lindstrom R 2000.** Diffuse lamellar keratitis: diagnosis and management. *J Cataract Refract Surg* 26:1072–1077.
- **Lubatschowski H, Maatz G, Heisterkamp A, Hetzel U, Drommer W, Welling H, Ertmer W 2000.** Application of ultrashort laser pulses for intrastromal refractive surgery. *Graefe's Arch Clin Exp Ophthalmol*; 238: 33-9.
- **Lubatschowski H, Heisterkamp A, Will F, Singh A, Sebrin J, Ostendorf A, Kermani O, Heermann R, Welling H, Ertmer W 2003:** Medical applications for ultrafast laser pulses. *RIKEN Rev.* No. 50.
- **Lubatschowski H, Maatz G, Heisterkamp A 2008** Application of ultrashort laser pulses for intrastromal refractive surgery. *Graefe's Arch Clin Exp Ophthalmol*; 238: 33-39.
- **Lubatschowski H 2008** .Overview of commercially available femtosecond laser in refractive surgery. *J Refract Surg.* 24:102-107.

- **Lustbader JM and Lemp MA 1990:** the effect of relaxing incisions with multiple compression sutures on post-keratoplasty astigmatism. *Ophthalmic Surg.* Jun;21(6):416-419.
- **Medeiros FW, Stapleton WM, Hammel J, Krueger RR, Netto MV, Wilson SE 2007.** Wavefront analysis comparison of LASIK outcomes with the femtosecond laser and mechanical microkeratomes. *J Refract Surg.*; **23**:880– 7.
- **Mehta JS, Parthasarthy A, Por YM, Cajucom-UY H, Beuerman RW and Tan D 2008:** femtosecond laser-assisted endothelial keratoplasty: a laboratory model. *Cornea* Jul;27(6):618-826.
- **Melles GR, Eggink FA, Lander F, Pels E, Rietveld FJ, Beekhuis WH and Binder PS 1998:** a surgical technique for posterior lamellar keratoplasty. *Cornea* Nov; 17(6):618-826.
- **Melles GR, Wijdh RH and Nieuwendaal CP 2004:** A technique to excise Descemet membrane from a recipient cornea (Descemetorhexis). *Cornea* Apr;23(3):286-288.
- **Mian SI, Shtein RM. 2007 .** Femtosecond laser-assisted corneal surgery. *Current Opinion in Ophthalmology* : **18**:295–99.
- **Mitchell P W, Bottros A 2005.** The Femtosecond Laser: a New Tool for Refractive and Corneal Surgery. In: **Kohnen and Koch.** (ed) *Cataract and Refractive Surgery.* (Springer publishing house, Schwedter Str. 263 _10119 Berlin, : 92.
- **Montes-Mico R, Rodriguez-Galietero A, Ali JL 2006.** Femtosecond laser versus mechanical keratome LASIK for myopia. *Ophthalmology*.; **114**:62–8.
- **Mularoni A, Torreggiani A, di Biase A, Laffi GL and Tassinari G 2005:** conservative treatment of early and moderate pellucid marginal degeneration: a new refractive approach with intracorneal rings. *Ophthalmology* Apr;112(4):660-666.

- **Muñoz G, Albarrán-Diego C, Sakla HF, Javaloy J and Alió JL 2006:** Transient light-sensitivity syndrome after laser in situ keratomileusis with the femtosecond laser Incidence and prevention. *J Cataract Refract Surg*. Dec;32(12):2075-2079.
- **Nagy Z 2009.** Intraocular femtosecond laser applications in cataract surgery. *Cataract & Refractive Surgery Today*. September;9(9):79,82.
- **Ngoi BKA, Hou DX and Koh LHK et al., 2005.** Femtosecond laser for glaucoma treatment: a study on ablation energy in pig iris. *Lasers in Medical Science* 19: 218–222.
- **Parolini B, Marcon G and Panozzo GA 2001.** Central necrotic lamellar inflammation after laser in situ keratomileusis. *J Refract Surg* 17:110–112.
- **Pedrotti E, Sbabo A and Marchini G 2006:** customized transepithelial photorefractive keratectomy for Iatrogenic ametropia after penetrating or deep lamellar keratoplasty. *J Cataract Refract Surg*. Aug;32(8):1288-1291.
- **Peng Q, Juzeniene A, Jiyao Chen J 2008.** Lasers in medicine. *Rep Prog Phys* 71; 1-28.
- **Pepose JS, Feigenbaum SK, Qazi MA, Merchea M 2007.** Comparative performance of the Zyoptix XP and Hansatome zero-compression microkeratomes. *J Cataract Refract Surg*; 33:1386–91.

- **Perry S, Binder 2006.** One thousand consecutive IntraLase laser insitu keratomileusis flaps. *J Cataract Refract Surg*.; **32**: 962-9.
- **Pfaeffi WA, KunzeM,Zenk U,Pfaeffi MB,Schuster T and Lohmann C 2008:**predictive factors of femtosecond laser flap thickness measured by online optical coherence pachymetry subtraction in sub-Bowman keratomileusis.*J Cataract Refractive Surg*.Nov;34(11):1872-1880.
- **Phend C.AAO 2010.** :femtosecond lasers promising for safer cataract surgery.Medpage Today Web site.
www.medpagetoday.com/tbprint.cfm?tbid=16706.Accessed March 12.
- **Poole TR and ficker LA 2006:** astigmatic keratotomy for post keratoplasty astigmatism. *J Cataract Refract Surg*. Jul;32(7):1175-1179.
- **Price FW and Price MO 2006:** descemet stripping with endothelial keratoplasty in 200 eyes:early challenges and technique to enhance donor adherence. *J Cataract Refract Surg*. Mar;32(3):411-418.
- **Principe AH, Lin DY, Small KW et al., 2004.** Macular hemorrhage after laser in situ keratomileusis (LASIK) with femtosecond laser flap creation. *Am J Ophthalmol* 138: 657–659.
- **Ratkay-Traub I, Ferincz IE, Juhasz T. 2003.** First clinical results with the femtosecond neodymium-glass laser in refractive surgery. *J Refract Surg*; **19**:94–103.
- **Ripken T, Oberheide U and Fromm M et al., 2008.** Fs-Laser induced elasticity changes to improve presbyopic lens accommodation. *Graefes Arch Clin Exp Ophthalmol* 246:897–906.

- **Roberts C 2000.** The cornea is not a piece of plastic. J Refract Surg.; 16:407–13.
- **Ronald R and Krueger A 2006:** IntraLASIK as the Ultimate Customized Ablation Procedure.J Cataract Refract Surg. Sep;32(6):1470-1479.
- **Ruiz L.A. (April 2008):** Non invasive intrastromal correction of presbyopia.Cataract & refractive surgery today Europe; 44-45.
- **Ruiz L.A. (January 2008):** Preliminary clinical results of non-invasive, intrastromal correction of presbyopia using the FEMTEC® femtosecond laser system. Hawaiian Eye Meeting.
- **Sander M, Mu¨ller M and Tetz MR 2008.** Possible retina damage potential of the femtosecond laser in situ keratomileusis (fs-LASIK) refractive surgery. *Medical Laser Application* 23; 39–45.
- **Sarayba MA, Kurtz RM, Nguyen TTB et al., 2005.** Femtosecond laser–assisted intracorneal keratoprosthesis implantation laboratory Model. *Cornea* 24:1010–1014.
- **Sarayaba MA,Juhasz T, Chuck RS 2005.** Femtosecond laser posterior lamellar keratoplasty: a laboratory model. *cornea* ;24 , 328-33.
- **Sarayba MA, Ignacio TS, Binder PS AND Tran DB 2007:** Comparative study of stromal bed quality by using mechanical, IntraLas femtosecond laser 15- and 30-khz microkeratomes. *Cornea* May;26(4):446-451.
- **Sarayba MA(b), Ignacio TS, Tran DB and Binder PS 2007:A** 60khz IntraLas femtosecond laser creates a smoother LASIK stromal

bed surface compared to a zyoptical XPrmechanical microkeratome in human donor eyes. *J Cataract Refract Surg.* Apr;24(3):328-333.

- **Schumacher S, Oberheide U, Michael Fromm M et al., 2009.** Femtosecond laser induced flexibility change of human donor lenses. *Vision Research* xxx: xxx–xxx.
- **Seibel BS. 2005** *Phacodynamics: Mastering the Tools and Techniques of Phacoemulsification Surgery.* 4th ed. Thorofare, NJ: Slack, Inc.
- **Seibel B.S. 2010** Femtosecond Laser-Assisted Cataract Surgery. *Advanced Ocular Care* March 19:21.
- **Seider M I, Takeshi Ide, Kymionis G D, William W. Culbertson, O'Brien T B, Yoo S O. 2008** Epithelial breakthrough during IntraLase flap creation for laser in situ Keratomileusis. *J Cataract Refract Surg.* **34**:859–863.
- **Seitz B, Langenbucher A, Hofmann-Rummelt C, Schlotzer-Schrehardt U, Naumann 2003** :Nonmechanical posterior lamellar keratoplasty using the femtosecond laser (femto-plak) for corneal endothelial decompensation. *Am J Ophthalmol*; **136**:769–72.
- **Sekundo W, Kunert K, Russmann C, et al. .2008.** First efficacy and safety study of femtosecond lenticule extraction for the correction of myopia: six-month results. *J Cataract Refract Surg*; 34(9):1513-1520.
- **Shabayek M H, Alio G L 2007.** Intra stromal ring segment implantation by femtosecond laser for keratoconus correction. *Ophthalmology*; **114**, 1643-52 .
- **Shen N, Datta D, Schaffer CB 2005.** Ablation of cytoskeletal filaments and mitochondria in live cells using FS laser nano scissor. *Mech Chem Biosyst.*; **2**: 17–25.
- **Sheraz D 2007:** femtosecond laser delivers precision cuts for PK procedures. *Cornea* May;26(5):109-111.

- **Sikder S and Snyder RW 2006:** femtosecond laser preparation of donor tissue from the endothelial side. *Cornea* May;25(4):416-422.
- **Slade S 2007.** The use of the femtosecond laser in the customization of corneal flaps in laser in situ keratomileusis. *Current Opinion in Ophthalmology*; **18**: 314 –17.
- **Solomon KD, Donnenfeld E, Sandoval HP. 2004** Flap-thickness accuracy: comparison of 6 microkeratome models; Flap-Thickness Study Group. *J Cataract Refract Surgery*.; **30**: 964–77.
- **Soong HK, Malta JB, Mian SI and Juhaz T 2008:** femtosecond laser-assisted lamellar keratoplasty. *Arq Bras Oftalmol.* Jul-Aug;71(4):601-606.
- **Soong HK, Mian S, Abbasi O and Juhaz T2005:** femtosecond laser-assisted posterior lamellar keratoplasty:initial studies of surgical technique in eye bank eyes. *Ophthalmology* Jan;112(1):44-49.
- **Soong and Baptista M. 2009 :** Femtosecond Lasers in Ophthalmology. *Am J Ophthalmology*.; **147**:189 –97.
- **Soong H K, Malta J B 2009.** Prespective Femtosecond Lasers in Ophthalmology. *American Journal of Ophthalmology*.; **147**: 189 – 97.
- **Srinivasan S, Herzig S 2007.** Sub-epithelial gas breakthrough during femtosecond laser flap creation for LASIK.Br J Ophthalmol.; **91**: 1373.
- **Stonecipher KG, Dishler JG, Ignacio TS et al., 2006.** Transient light Sensitivity after femtosecond laser flap creation: clinical findings and management. *J Cataract Refract Surg* 32:91–94.
- **Straub L. 2010** Femtosecond Laser- Assisted Cataract Surgery *Advanced Ocular Care* March 19:21.

- **Sugar A 2002:** Ultrafast (femtosecond) laser refractive surgery. *Curr Opin Ophthalmol.*; 13:246-249.
- **Sutton G, Franzco, Fracs, Mbbs Chris Hodge 2008.** Flap Thickness Using the IntraLase Femtosecond Laser in 1000 Consecutive Cases .*J Refract Surg.*; **24**: 802-6.
- **Taylor N 2000.** Laser: the inventor, the Nobel laureate, and the thirty-year patent war. (*New York: Simon and Schuster*), pp. 136–138.
- **Terry MA. 2000** The evolution of lamellar grafting techniques over twenty five years. *Cornea.*; **19**: 611– 6.
- **Terry MA and Ousley PJ 2001:**deep lamellar endothelial keratoplasty in the first United States patients: early clinical results. *Cornea*;20(3):239-243.
- **Thomas RJ, Noojin GD, Stolarski DJ, et al 2002.** A comparative study of retinal effects from continuous wave and femtosecond mode-locked lasers. *Lasers Surg Med*;31:9–17.
- **Tirlapur UK, Konig K 2002.** Targeted transfection by femtosecond laser. *Nature*;418:290–1.
- **Toyrona S, Liub Y, Singhab S et al., 2005.** Femtosecond laser photodisruption of human trabecular meshwork: an in vitro study. *Experimental Eye Research* 81:298–305.
- **Toropygin S and Krause M 2008.** In vitro noncontact intravascular femtosecond laser surgery in models of branch retinal vein occlusion. *Current Eye Research* 33:277–283.
- **Tran D B, Sarayba M A, Bor Z, Garufis C, Duh Y J, Soltes C R, Juhasz T, Kurtz R M 2005 .** Randomized prospective

clinical study comparing induced aberrations with IntraLase and Hansatome flap creation in fellow eyes Potential impact on wavefront-guided laser in situ keratomileusis. *J Cataract Refract Surg* .; **31**:97–105.

- **Traub I, Ferincz IE, Juhasz T, Kurtz RM, Krueger RR 2003:** First clinical results with the femtosecond neodymium-glass laser in refractive surgery. *J Refract Surg*. Mar-Apr;19(2):94-103. Links.
- **Vogel A, Noack J, Huettman G et al., 2005.** Mechanisms of femtosecond laser nanosurgery of cells and tissues. *Applied Physics B: Lasers and Optics* 81; 1015–1047.
- **Wang Z, Chen J, Yang B 1999.** Posterior corneal surface topographic changes after laser in situ keratomileusis are related to residual corneal bed thickness. *Ophthalmology*.; **106**:406–9.
- **Weiss P 2002 :** ultrafast lasers give power tools anew edge .*Sci News* ;162:315-26.
- **Yanny Y.Y. Cheng, MD, Elisabeth Pels, PhD, Rudy M.M.A. Nuijts, 2007** Femtosecond-laser-assisted Descemet's stripping endothelial keratoplasty. *J Cataract Refract Surg*.; **33**:152–155.
- **Yau CW, Cheng HC 2008** Microkeratome blades and corneal flap thickness in LASIK. *Ophthalmic Surg Lasers Imaging*; **39**:471–475.
- **Yoo HS and Kymionis GK 2008.** Femtosecond-assisted diagnostic corneal biopsy (FAB) in keratitis. *Graefes Arch Clin Exp Ophthalmol* 246:759.
- **Yoo SH (a), Kymionis GD, Koreishia, Ide T, Goldman D, Karp CL, O'Brien TP, Culbertson WW and Alfonso EC 2008 :** femtosecond

laser-assisted suturless anterior lamellar keratoplasty.
Ophthalmology Aug; 115(8):1303-1307.

- ***Zeira E, Manevitch A, Khatchatourians A, et al 2003.*** Femtosecond infrared laser—an efficient and safe in vivo gene delivery system for prolonged expression. *Mol Ther*;8:342–50.
- ***Zohdy MJ, Tse C, Ye JY 2006.*** Acoustic estimation of thermal distribution in the vicinity of femtosecond laser-induced optical breakdown. *IEEE Trans Biomed Eng.* ; **53**: 2347.