

CURRICULUM VITAE

Ella G. Faktorovich, M.D., F.A.A.O.

Current Position

Director, [Pacific Vision Institute](#)

Personal

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Education

Undergraduate:

Bachelor of Arts, with Honors
Genetics; University of California, Berkeley, CA
1985 - 1987
Honors Thesis: "Mutagenesis and the study of
attTn7 - a specific target in Tn7 transposition"

Medical School:

Doctor of Medicine
University of California, San Francisco, CA
1988 - 1992

Internship:

Department of Medicine
California Pacific Medical Center,
San Francisco, CA,
1992 – 1993

Residency:

Department of Ophthalmology
University of California, San Francisco, CA
1993 - 1996

Fellowship:

Refractive Surgery, Cornea, and External Diseases
Jules Stein Eye Institute
University of California, Los Angeles, CA
1996 – 1998

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Honors and Awards

Phi Beta Kappa Honor Society, UC Berkeley, 1987
Alpha Omega Alpha Research Fellowship, UCSF School of Medicine, 1989
Dean's Prize for Outstanding Research by a Medical Student,
UCSF School of Medicine, 1990
Alpha Omega Alpha Honor Society, UCSF School of Medicine, 1991
Sadie Berkove Award for the Outstanding Graduate,
UCSF School of Medicine, 1992
American Medical Women's Association Award for Scholastic Achievement,
UCSF School of Medicine, 1992
Asbury Award for Outstanding Research by a Resident,
UCSF Department of Ophthalmology, 1995
Heed Foundation Fellowship Award, 1996-1997
Heed / Knapp Foundation Fellowship Award, 1997-1998
Clinical Research Award, Jules Stein Eye Institute
UCLA School of Medicine, 1998
Who's Who in Ophthalmology
Council for Refractive Surgery Quality Assurance
Best Doctors in America
Qualified and listed at [Trusted LASIK Surgeons](#), a LASIK Directory service that screens surgeons based on experience, premier patient care, and professional credentials

Professional Societies

American Academy of Ophthalmology
American Medical Association
California Medical Association
San Francisco Medical Society
San Mateo Medical Society
Peninsula Eye Society
Association for Research in Vision and Ophthalmology
International Society of Refractive Surgery
American Society of Cataract and Refractive Surgery

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Peer Review Activities

Reviewer, American Journal of Ophthalmology
Reviewer, Journal of Cataract and Refractive Surgery
Reviewer, Journal of Refractive Surgery
Editorial Board, San Francisco Medicine Journal of San Francisco Medical Society
Editorial Board, Ophthalmology Management

Hospital Affiliations

St. Mary's Medical Center, San Francisco, CA
Seton Medical Center, Daly City, CA
San Francisco Veteran Administration Medical Center, San Francisco, CA
Jules Stein Eye Institute UCLA Medical Center, Los Angeles, CA

Academic Appointments

San Francisco Veteran Administration Medical Center, San Francisco, CA

Peer-Reviewed Research Publications

Gringauz E, Orle K, Waddell C, Craig NL. Recognition of *E. Coli att Tn7* by transposon Tn7: lack of specific sequence requirements at the point of Tn7 insertion. J. Bacteriol. 170:2832-2840, 1988.

Faktorovich EG, Steinberg RH, Yasumura D, Matthes MT, LaVail MM. Photoreceptor degeneration in inherited retinal dystrophy delayed by basic fibroblast growth factor. Nature 347:83-86, 1990.

LaVail MM, **Faktorovich EG**, Hepler JM, Pearson KL, Yasumura D, Matthes MT, Steinberg RH. Basic fibroblast growth factor protects photoreceptors from light-induced degeneration in albino rats. Ann. N.Y. Acad. Sci 638:341-347, 1991.

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- Faktorovich EG**, Steinberg RH, Yasumura D, Matthes MT, LaVail MM.
Basic fibroblast growth factor and local injury protect photoreceptors from light damage in the rat. *J. Neuroscience*, 12(9):3554-3567, 1992.
- Faktorovich EG**, Tucker N, O'Brien JM. Thyroid ophthalmopathy.
Current Opinion in Ophthalmology, 5(V):45-52, 1994.
- Faktorovich, EG**, Crawford JB, Char DH, Kong C. Benign mixed tumor (pleomorphic adenoma) of the lacrimal gland in a 6-year-old boy.
American Journal of Ophthalmology 122(3):446-447, 1996.
- Kim RY, **Faktorovich EG**, Kuo S, Olson J. Retinal function abnormalities in membranoproliferative glomerulonephritis type II. *American Journal of Ophthalmology* 123(5):619-628, 1997.
- Maloney RK, **Faktorovich EG**. There is no benefit to deferring laser refractive surgery. *Archives of Ophthalmology* 116(5):669-671, 1998.
- Flach AJ, Dolan BJ, Donahue ME, **Faktorovich EG**, Gonzales GA. Comparative effects of Ketorolac 0.5% or Diclofenac 0.1% ophthalmic solutions on inflammation after cataract surgery. *Ophthalmology* 105:1775-1779, 1998.
- Faktorovich EG**, Maloney RK, Price FW, and the ARC-T Study Group.
Effect of astigmatic keratotomy on spherical equivalent: results of the Astigmatism Reduction Clinical Trial. *American Journal of Ophthalmology* 127(3):260-269, 1999.
- Faktorovich EG**, Rabinowitz YS. Method for safer penetrating keratoplasty in patients with low scleral rigidity. *Journal of Cataract and Refractive Surgery* 1999;25(7):882-884
- Hovanesian JA, **Faktorovich EG**, Hoffbauer JD, Shah SS, Maloney RK.
Bilateral Bacterial Keratitis After Laser In Situ Keratomileusis in a Patient With Human Immunodeficiency Virus Infection. *Arch Ophth* 1999; 117: 968-970.
- Faktorovich EG**, Badawi DY, Maloney RK, Ariyasu RG. Growth factor expression in corneal wound healing following excimer laser keratectomy. *Cornea* 1999;18(5):580-588.
- Faktorovich EG**, Nosova E. Phototherapeutic keratectomy for post-LASIK refractive error in patients with anterior basement dystrophy. Submitted for publication. *Journal of Refractive Surgery*

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Ella G. Faktorovich, M.D., F.A.A.O.

Non-Peer-Reviewed Publications

- Faktorovich EG.** Your eye health – a series of monthly articles. Nutrition and the Eye. Outlook weekly newspaper. January 1999.
- Faktorovich EG.** Your eye health – a series of monthly articles. Cataracts. Outlook weekly newspaper. February 1999.
- Faktorovich EG.** Glaucoma and its management. Outlook weekly newspaper. March 1999.
- Faktorovich EG.** Electronic Medical Record. San Francisco Medicine Magazine. May 1999.
- Faktorovich EG.** Focus on vision correction. POA Notebook for San Francisco Police Officers' Association. May 1999.
- Faktorovich EG, Eghbali F.** Support your comanagement network through continuing education. Refractive Eye Care for Ophthalmologists. June 1999.
- Faktorovich EG.** Clear Natural Vision. The Fire News / International Association of Firefighters. June 1999
- Faktorovich EG.** Quest for Perfect Vision. Mill Valley Herald. September 1999
- Faktorovich EG.** LASIK: The role of pre- and postoperative medication. Refractive Eye Care for Ophthalmologists. December 1999.
- Faktorovich EG, MacDonald M, et al.** LASIK and Dry Eyes. Ocular Surgery News Eye Symposium. January 2000.
- Faktorovich EG.** Refractive surgery is becoming the most common elective procedure in the world. San Francisco Medicine Magazine. April 2000.
- Faktorovich EG.** Surgical management of presbyopia. EyeTech Update. June 2000
- Faktorovich EG, Kantor R, et al.** Post-op Care of the LASIK Patient. Ophthalmology Management. November 2000.
- Faktorovich EG.** Ride the wave of new technology. Ophthalmology Management. 2001

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Ella G. Faktorovich, M.D., F.A.A.O.

Faktorovich EG, Katsev D, et al. A matter of control – preventing and managing flap complications. *Ophthalmology Management*. 2001

Faktorovich EG. Laser Vision Correction. *India Post*. May 2002

Faktorovich EG, Lee SF. An Introduction to Intralase LASIK. *Optometric Management* September 2004

Faktorovich EG, Lindstrom R, LempM, et al. New Perspectives on Ocular Surface Management, *Ophthalmology Management Supplement*, February 2005

Faktorovich EG. Optimizing femtosecond laser settings, techniques helps improve LASIK outcomes. *Ocular Surgery News*, July 2006

Lee SF, **Faktorovich EG.** Advanced Anterior Segment Imaging. *Optometric Management*, September 2006

Lee SF, **Faktorovich EG.** Femtodynamics: optimizing femtosecond laser settings and procedure techniques to optimize outcomes. Submitted *International Ophthalmology Clinics*.

Book Chapters

Faktorovich EG, Steinberg RH, Yasumura D, Matthes MT, LaVail MM. Photoreceptor rescue in retinal degenerations by basic fibroblast growth factor. In Anderson RE, Hollyfield JG, LaVail MM (eds). *Retinal Degenerations*, CRC Press, Inc., Boca Raton, 1991, pp.101-109.

Steinberg RH, **Faktorovich EG, Yasumura D, Matthes MT, LaVail MM.** Basic fibroblast growth factor protects rat photoreceptors in inherited retinal dystrophy and light damage. In Bock JR, Whelan J, (eds). *CIBA Symposium on Growth and Development*, John Wiley & Sons, New York, 1991, pp.219-232.

LaVail MM, Matthes MT, Yasumura D, **Faktorovich EG, Steinberg RH** Histologic methods to assess photoreceptor light damage and protection by survival factors. In LaVail MM, Hollyfield JG, Anderson RE, (eds). *Degenerative Retinal Diseases*, Plenum Press, New York, 1997.

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Ella G. Faktorovich, M.D., F.A.A.O.

Onclinx TM, **Faktorovich EG**, Mondino BJ. Peripheral corneal disease with thinning. In Brightbill FS (ed). Corneal Surgery: Theory, Technique, and Tissue, 3rd edition, Mosby-Year Book, Philadelphia, Pennsylvania, 1997.

Abstracts / Scientific Presentations

Faktorovich EG, Steinberg RH, Gospodarowicz D, Yasumura D, LaVail MM. Photoreceptor rescue in the RCS rat: effect of bFGF, aFGF, and selected controls. Invest. Ophthalmol. Vis. Sci. 31 (Suppl): 595, 1990.

Faktorovich EG, Steinberg RH, Yasumura D, Matthes MT, LaVail MM. Basic fibroblast growth factor delays photoreceptor degeneration in inherited retinal dystrophy. International Symposium of Retinal Degeneration, Stockholm, Sweden, 1991.

LaVail MM, **Faktorovich EG**, Matthes MT, Yasumura D, Hepler JM, Pearson KL, Steinberg RH. bFGF protects photoreceptor cells from light damage in the rat. Invest. Ophthalmol. Vis. Sci. 32 (Suppl):1097, 1991.

Faktorovich EG. Refractive surgery: update and future. Cordes Society Annual Meeting, San Francisco, CA, 1995.

Faktorovich EG, Stanley JA, Hwang D. Automated Lamellar Keratoplasty: UCSF experience. Cordes Society Annual Meeting, San Francisco, CA, 1996.

Faktorovich EG, Kim RY. Electrophysiologic and psychophysical abnormalities in patients with membranoproliferative glomerulonephritis type II (dense-deposit disease) retinopathy. Invest. Ophthalmol. Vis. Sci. 37 (Suppl):2304, 1996.

Faktorovich EG, Maloney RK, Price F, and the ARC-T Study Group. The coupling ratio in astigmatic keratotomy. International Society of Refractive Surgery Annual Meeting, Chicago, IL, 1996.

Faktorovich EG, Stanley JA, Hwang D. Intracorneal implantation of an ultra-thin diffractive lens. Invest. Ophthalmol. Vis. Sci. 38 (Suppl):2497, 1997.

VanHorn SD, **Faktorovich EG**, Maloney RK. Effect of corneal hydration on tissue removal in PRK. Invest. Ophthalmol. Vis. Sci. 38 (Suppl):2356, 1997.

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Ella G. Faktorovich, M.D., F.A.A.O.

Faktorovich EG, Maloney RK, Price F, and the ARC-T Study Group. Coupling ratio in astigmatic keratotomy. Cordes Society Annual Meeting, San Francisco, CA, 1997.

Faktorovich EG, Maloney RK, Price F, and the ARC-T Study Group. Effect of arc length and achieved cylinder correction on coupling ratio in astigmatic keratotomy. American Society of Cataract and Refractive Surgery Symposium, Boston, MA, 1997.

Faktorovich EG, Maloney RK, and the Summit High Myopia Study Group. A prospective randomized multicenter comparison of PRK to LASIK for high myopia. International Society of Refractive Surgery Annual Meeting, San Francisco, CA, 1997.

Faktorovich EG. Refractive Surgery and Corneal Transplantation. Downey Medical Center Continuing Education Series, Downey, CA, March 1998

Badawi DY, **Faktorovich EG**, Maloney RK, Ariyasu RG. Corneal haze in rabbits following excimer laser keratectomy and correlation with basic fibroblast growth factor expression. Invest. Ophthalmol. Vis. Sci. 39 (Suppl):1642, 1998.

Maloney RK, **Faktorovich EG**, and the Summit High Myopia Study Group. A prospective randomized multicenter comparison of PRK to LASIK for high myopia. American Society of Cataract and Refractive Surgery

Maloney RK, **Faktorovich EG**, and the Summit High Myopia Study Group. A prospective randomized multicenter comparison of PRK to LASIK for high myopia. American Society of Cataract and Refractive Surgery Symposium, San Diego, CA, 1998.

Faktorovich EG, Badawi DY, Maloney RK, Ariyasu RG. Growth factor expression in corneal wound healing following excimer laser keratectomy. Jules Stein Eye Institute Research and Alumni Meeting, Los Angeles, CA, 1998.

Hovanesian JA, **Faktorovich EG**, Shah SS, Maloney RK. Bilateral bacterial keratitis after LASIK in a patient with HIV infection. International Society of Refractive Surgery Annual Meeting, New Orleans, LA, 1998.

Faktorovich EG, Maloney RK. Phakic Intraocular Lenses. UCSF Department of Ophthalmology Grand Rounds. San Francisco, CA, 1999.

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Ella G. Faktorovich, M.D., F.A.A.O.

Faktorovich EG. Refractive Surgery Vision Correction Update. Police Officers' Association. San Francisco, CA, 1999.

Faktorovich EG. Clarify Your Options. Commonwealth Club. San Francisco, CA, 1999.

Faktorovich EG, McDonald M, et al. LASIK and Dry Eyes. Roundtable discussion. Ocular Surgery News Hawaiian Eye Meeting. Maui, HI, 2000.

Faktorovich EG. LASIK-Intacs-LTK-Phakic IOL: How to avoid patient confusion. Ocular Symposium. San Francisco, CA, 2000

Faktorovich EG. Postop Care of the LASIK Patient. Roundtable discussion. ISRS Summer Symposium. Miami, FL, 2000

Faktorovich EG. Corneal dystrophies and degenerations. 1st Annual San Francisco Cornea Symposium, 2002.

Faktorovich EG. Wavefront Technology. 2nd Annual San Francisco Cornea Symposium, 2003.

Faktorovich EG, Osegawa R. Postoperative Infections: Treatment and Prophylaxis. 18th Annual Meridith Morgan Symposium, UC Berkeley School of Optometry, 2003.

Faktorovich EG. Systemic Medications in Primary Eye Care. San Mateo Optometric Society, 2003.

Faktorovich EG. Systemic Medications in Primary Eye Care. Santa Clara Optometric Society, 2004.

Faktorovich EG, Lee SF. LASIK with Intralase FS Laser. 3rd Annual San Francisco Cornea Symposium, 2004.

Faktorovich EG. Comparison of CustomCornea vs. Conventional LASIK outcomes with LADARVision4000. Alcon Speaker's Bureau. American Society of Cataract and Refractive Surgery, 2004

Faktorovich EG. Procedure Pearls for LASIK with Intralase FS laser. 4th Annual San Francisco Cornea Symposium, 2005.

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Ella G. Faktorovich, M.D., F.A.A.O.

Faktorovich EG. Comparison of LASIK Outcomes with Intralase FS laser vs. Hansatome Microkeratome. American Society of Cataract and Refractive Surgery 2005

Faktorovich EG. Update on Systemic Medications in Primary Eye Care. San Francisco Optometric Association 2005

Faktorovich EG. Comparison of LASIK Outcomes with Intralase FS laser vs. Hansatome Microkeratome. American Academy of Ophthalmology 2005

Nosova E, **Faktorovich EG.** Effect of Restasis on Dry Eye and Photophobia After LASIK with the Femtosecond laser. American Society of Cataract and Refractive Surgery 2006

Faktorovich EG, Nosova E. Wavefront aberrations after LASIK: Femtosecond laser versus Hansatome microkeratome. American Society of Cataract and Refractive Surgery 2006

Faktorovich EG, Lee SF, Nosova E. Topical medications update in cornea, external diseases, and refractive surgery. 5th Annual San Francisco Cornea, Cataract, and Refractive Surgery Symposium, 2006.

Faktorovich EG, Seibel B, Lee SF. Presbyopia solutions. Asian Optometric Society Meeting, 2006.

Faktorovich EG, Lee SF, Nosova E, Day G. IntraLase: Facts vs. Fiction. Ocular Symposium, 2006.

Faktorovich EG. Comparison of higher order aberrations after LASIK with IntraLase vs. Hansatome microkeratome. Refractive Surgery Subspecialty Day Meeting, International Society of Refractive Surgery of the American Academy of Ophthalmology, 2006.

Faktorovich EG. Comparison of higher order aberrations after LASIK with IntraLase vs. Hansatome. American Academy of Ophthalmology and the Asia Pacific Academy of Ophthalmology, 2006.

Faktorovich EG. Phototherapeutic keratectomy for post-LASIK ametropia in patients with epithelial basement membrane dystrophy. American Academy of Ophthalmology and the Asia Pacific Academy of Ophthalmology, 2006.

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Ella G. Faktorovich, M.D., F.A.A.O.

- Faktorovich EG, Lee SF.** NearVision CK: Procedure and Results. Pacific Vision Institute Grand Rounds. 2006
- Faktorovich EG.** Efficacy of topical morphine for pain control after PRK. American Society of Cataract and Refractive Surgery. 2007
- Faktorovich EG.** Phototherapeutic keratectomy for post-LASIK ametropia in patients with epithelial basement membrane dystrophy. American Society of Cataract and Refractive Surgery. 2007
- Faktorovich EG, Lee SF.** PRK 2007: managing patients for optimized outcomes. 6th Annual San Francisco Cornea, Cataract, and Refractive Surgery Symposium, 2007
- Faktorovich EG, Lee SF.** Presbyopia solutions. Ocular Symposium, 2007
- Faktorovich EG.** Management of post-LASIK ametropia in patients with ABMD. ASCRS Summer Refractive Congress. 2007
- Faktorovich EG.** Pain control after PRK. ASCRS Summer Refractive Congress. 2007
- Faktorovich EG.** Post-PRK corneal irregularity in a patient with allergies. ASCRS Summer Refractive Congress. 2007
- Faktorovich EG.** Efficacy of topical morphine for pain control after PRK. American Academy of Ophthalmology. 2007
- Faktorovich EG, Powers M, Kuznetsova J, Day G.** Prevalence, pre-operative risk factors, and treatment of symptomatic post-LASIK binocular vision disorders. American Society of Cataract and Refractive Surgery. 2008
- Faktorovich EG.** Comparison of LASIK safety and accuracy with three excimer laser platforms. American Society of Cataract and Refractive Surgery. 2008

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Ongoing Research

LASIK in patients with epithelial basement membrane dystrophy

Topical MSO4 and Sumatriptan for analgesia after phototherapeutic keratectomy

Anterior Segment Optical Coherence Tomography (OCT) following LASIK with
IntraLase FS laser