

**CURRICULUM VITAE
SANDY T. FELDMAN, M.D.**

CURRENT POSITION

MEDICAL DIRECTOR: ClearView Eye & Laser Medical Center

CURRENT ADDRESS

WORK: ClearView Eye & Laser Medical Center
A Professional Corporation
6255 Lusk Blvd., Suite 100
San Diego, CA 92121

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EDUCATION

College: Northwestern University, Evanston, IL, 1972-6.
Graduate: Northwestern University, Evanston, IL, 1977-8.
Medical: Rush Medical College, Rush University, Chicago, IL, 1978-82.
Internship: Rush-Presbyterian-St. Luke's Medical Center
Chicago, IL. Surgery 1982-3.
Residency: Rush-Presbyterian-St. Luke's Medical Center: Chicago, IL.
Ophthalmology. William E. Deutsch, M.D., Chairman. 1983-6.
Fellowship: University of California, San Diego: La Jolla, CA. Cornea and
External Disease. Stuart I. Brown, M.D., Chairman. 1986-7.

SPECIALTY CERTIFICATION

Diplomate, American Board of Ophthalmology--October, 1988.
Fellow, American Academy of Ophthalmology

CERTIFICATION

Epikeratophakia, October, 1986.

Radial Keratotomy, Fellowship 1986. A Systemized Approach to Keratorefractive Surgery, San Diego, January 1993.

Photorefractive Keratectomy Summit Courses: March, 1994 Tijuana, Mexico, November, 1995 UCLA, Jules Stein Eye Institute, Los Angeles, CA. VISX Course: September 1995, San Diego Eye Bank, San Diego, CA

Automated Lamellar Keratectomy, Seattle, WA, March 1994, Mini-Fellowship with Dr. Slade, Houston, TX, December, 1995

LASIK, October 1995, ISRS pre-AAO meeting, October 1995.

Ultrapulse CO2 laser, San Diego, CA, January 1996. Luxar CO2 Laser Course, Los Angeles, CA, April 1997.

Surgical Reversal of Presbyopia, New Orleans, TX, November 1998.

VISX: Hyperopia November 1998, Hyperopic Astigmatism , Mixed Astigmatism December 2001, CustomVue Myopia 2003, CustomVue Hyperopia 2004, CustomVue Mixed Astigmatism 2004, Iris Registration 2005, CustomVue High Myopia 2005

Staar Visian Implantable Contact Lens Summer 2003

Eyeonics: Crystalens Implant 2004

AMO Verisyse Phakic Implant December 2004

HONORS AND AWARDS

American Academy of Ophthalmology Achievement Award, November 2001

VISX Star Award, March 2001

Award ISRS for Best Paper of Session, November 1996

Eye Bank Board. 2007.

PREVIOUS POSITIONS

Associate: Eye Care of San Diego, Office of John Bokosky, 3939 Third Ave., San Diego, CA 92103. January 1997- October 1997.

Associate Professor in Residence: University of California, San Diego School of Medicine. Accelerated to Step II. July 1995- December 1996.

Assistant Professor in Residence: University of California, San Diego School of Medicine. July 1991 - June 1995

Assistant Clinical Professor: University of California, San Diego School of Medicine. July 1987 - June 1991

Director of Refractive Surgery: University of California, San Diego: Department of Ophthalmology. July 1987 - present

Member of the Growth Control Program, University of California, San Diego, Cancer Center. July 1994 - December 1996.

ADMINISTRATIVE ACTIVITIES

Refractive Outlook Contributor 2003-2005

Director of Administrative Duties: UCSD Medical Center Eye Clinic: University of

California, San Diego. Department of Ophthalmology. 1989 - 1996.
President, San Diego County Ophthalmological Society. 1995-1996.
Vice President, San Diego County Ophthalmological Society. 1994 - 1995.
Secretary, San Diego County Ophthalmological Society. 1993 - 1994.
Treasurer, San Diego County Ophthalmological Society. 1992 - 1993.

EDUCATIONAL ACTIVITIES

Instructional Committee American Academy of Ophthalmology, 1997-2000.
Program Planning Committee Association for Research in Vision and Ophthalmology
(ARVO). 1995 - 1998.
Board of Directors, Castroviejo Corneal Society. 1995 - present.
Founder, RefSurg-Net, Internet mailing list for Refractive Surgery.
Co-Founder, Kera-Net, Internet mailing list for Corneal Surgery.
Member of Editorial Board, Western Journal of Medicine. 1995.
Organizing Committee, Ocular Cell and Molecular Biology Meeting. 1993 - 1996.
Director of Medical Student Education: University of California, San Diego. Department of
Ophthalmology. July 1987 - December 1996.
Associate Corneal Director, San Diego Eye Bank. 1993-1994.
Program Chairperson, San Diego County Ophthalmological Society. 1991 - 1995.
Conference Director, Anterior Segment Symposium: Advances in Surgery and Disease
Management. October 1989.

PROFESSIONAL SOCIETIES

American Academy of Ophthalmology
American Medical Association
American Society of Cataract and Refractive Surgery (ASCRS)
Association for Research in Vision and Ophthalmology (ARVO)
California Cornea Club
Castroviejo Corneal Society
Charter 100
Contact Lens Association of Ophthalmologists (CLAO)
International Cornea Study Group (ICSG)
International Society for Refractive Surgery (ISRS)
Ophthalmic Microbiology and Immunology Group (OMIG)
Pacific Coast Oto-ophthalmological Society (PCOOS)
San Diego County Medical Society

FDA CLINICAL STUDIES

Clinical Investigator CustomVue Treatment of High Myopia, VISX 2004-2005.
Clinical Investigator CustomVue Treatment of Monovision, VISX 2005-present

GRANTS

National Institutes of Health, **Principal Investigator**
Cell Cycle Progression in Human Corneal Endothelium
1 R01 EY10125
April 1, 1994 - December 31, 1996.

UCSD Gene Therapy Program, **Principal Investigator**
Genetic Manipulation of Corneal Endothelial Cell Growth In Vivo
July 1, 1994 - June 30, 1996

San Diego Eye Bank Grant, **Principal Investigator**
BCL-2 Proto-Oncogene In Corneal Endothelium
July 1, 1993 - June 30, 1995

National Institute of Health
Physician Scientist Award Program
Regulation of Corneal Endothelial Cell Growth
July 1, 1989 - June 30, 1994

American Heart Association
Bugher Fellowship
July 1, 1991 - June 30, 1993

San Diego Eye Bank Grant, **Principal Investigator**
The Effect of Growth Factor on Corneal Endothelium: Evaluation by Confocal Microscopy
July 1, 1991 - June 30, 1993

Academic Senate Grant, **Principal Investigator**
University of California
Posterior Corneal Transplantation
July 1, 1992 - June 30, 1993

Academic Senate Grant, **Principal Investigator**
University of California
Posterior Corneal Transplantation
July 1, 1991 - June 30, 1992
San Diego Eye Bank Grant, **Principal Investigator**
In Vivo Like Culturing System of Conjunctiva
August 16, 1989 - July 1, 1991

Academic Senate Grant, **Principal Investigator**
University of California
In Vivo Like Culturing System for Ocular Tissues

July 1, 1988 - June 30, 1989

Eye Research Fund, **Principal Investigator**
Acanthamoeba Keratitis
March 30, 1987

REVIEWER OF PAPERS

American Journal of Ophthalmology
Archives of Ophthalmology
Cornea
Current Eye Research
Investigative Ophthalmology and Visual Science
Journal of Clinical Investigation
Journal of Cataract and Refractive Surgery
Journal of Refractive Surgery

PUBLICATIONS

1. Gunn R., Feldman S., and Horton J.: The effects of diuretics on chloride transport through red blood cell membranes. *Federation Proceedings*. 36: 103, 1977.
2. Deutsch T., Feldman S., Rubenstein J., and Talbert K.: The use of local anesthesia in strabismus surgery. *Archives of Ophthalmology*. 103: 322, 1984.
3. Feldman S.T., and Deutsch T.: Hyphema following honan balloon use in Fuchs' heterochromic iridocyclitis. *Archives of Ophthalmology*. 104: 967, 1986.
4. Feldman S.T. and Brown S.I.: Reduction of astigmatism after keratoplasty. *American Journal of Ophthalmology*. 103: 477-478, 1987.
5. Feldman S.T., Frucht J. and Brown S.I.: Corneal transplantation in microphthalmic eyes. *American Journal of Ophthalmology*. 104: 164-167, 1987.
6. Feldman, S.T. and Cleveland P.: Acanthamoeba keratitis. *Transactions of the Pacific Coast Oto-Ophthalmological Society*. 69: 67-68, 1988.
7. Weinreb R., Feldman S., and Assil K.: Reducing the ocular toxicity of 5-fluorouracil with liposome delivery. *Transactions of the Pacific Coast Oto-Ophthalmological Society*. 1988.
8. Frucht J., Feldman S.T., and Brown S.I.: *Ocular Pemphigoid in Current Therapy in Ophthalmic Surgery*, ed. G. Spaeth and J. Katz, CV Mosby, St. Louis, Missouri, 103-105, 1989.
9. Pamel G., Buckley D., Frucht J., Krausz H., and Feldman, S.: Capnocytophaga keratitis. *American Journal of Ophthalmology*. 107: 193-194, 1989.
10. Lin S., Reiter K., Dreher A., Frucht J., and Feldman S.: The effect of pterygia on contrast sensitivity and glare disability. *American Journal of Ophthalmology*. 107: 407-410, 1989.
11. Frucht J., Chayet A., Feldman S., Lin S., and Brown S.: The effect of doxycycline on ocular rosacea. *American Journal of Ophthalmology*. 107: 434-435, 1989.
12. Frucht J., Chayet A., Feldman S., Buckley D., and Brown S.: The effect of corneal grafting on vision in bilateral amblyopia. *Acta Ophthalmologica*. 67: 20-23, 1989.
13. Frucht J., Feldman S., and Brown S.: Transplantation of congenitally opaque corneas from eyes with exaggerated buphthalmos. *American Journal of Ophthalmology*. 107: 655-658, 1989.
14. Feldman S., Frucht J., Weinreb R., Dreher A., and Brown S.: The effect of increased intraocular pressure on corneal curvature and visual acuity in humans following radial keratotomy.

American Journal of Ophthalmology. 108: 126-129, 1989.

15. Feldman S., Ellis W., Frucht-Pery J., Chayet A., and Brown S.: Regression of effect following radial thermokeratoplasty in humans. *Refractive and Corneal Surgery*. 5: 288-292, 1989.
16. Gross J., Feldman S., and Freeman W.: Combined penetrating keratoplasty and vitreo-retinal surgery with the Eckardt temporary keratoprosthesis. *Ophthalmic Surgery*. 21: 67-71, 1990.
17. Pamel, G. and Feldman, S.: Chlamydial conjunctivitis and genital gonorrhoea during pregnancy. *Archives of Ophthalmology*. 108:327, 1990.
18. Feldman S., Ellis W., Frucht-Pery J., Chayet A., and Brown S.: Experimental radial thermokeratoplasty in rabbits. *Archives of Ophthalmology*. 108:7, 997-1000, 1990.
19. Feldman S.T.: The effect of epidermal growth factor on corneal wound healing: Practical considerations for therapeutic use. *Refractive and Corneal Surgery*. 7(3):232-239, 1991.
20. Feldman R., Crapotta J., Goldbaum M., and Feldman S.: Retinal detachment following radial and astigmatic keratotomy. *Refractive and Corneal Surgery*. 7(3):252-253, 1991.
21. Sossi N., Feldman R., Feldman S., Frueh B., Gordon M., McGuire G., and Davis C.: Mycobacterium gordonae keratitis after penetrating keratoplasty. *Archives of Ophthalmology*. 8(109) 1064-1065, 1991.
22. Freeman W.R., Feldman S.T., Munguia D., Mendez T. and Wiley C.: The pre-threaded pupillary dilating suture for phakic and aphakic eyes. *Archives of Ophthalmology*. 1992.
23. Frueh B., Feldman S.T., Feldman R., Sossi N., Frucht-Pery J. and Brown S.I.: Running nylon suture dissolution after penetrating keratoplasty. *American Journal of Ophthalmology*. 113(4):406-411, 1992.
24. Carlson A., Lindquist T., Wood T. and Feldman S.: Clinical Consultation: Cataract patient with severe rheumatoid arthritis. *Ophthalmic Practice*. 10(2):94-97, 1992.
25. Feldman S.T., Gately D., Schonthal A., and Feramisco J.: Fos expression and growth regulation of bovine corneal endothelial cells. *Investigative Ophthalmology and Visual Science*. 33(12):3307-3314, 1992.
26. Frueh B., Brown S.I. and Feldman S.T.: 11-0 mersilene as running suture for penetrating keratoplasty. *American Journal of Ophthalmology*. 114:675-679, 1992.
27. Feldman S.T., Gjerset R., Gately D., Chien K. and Feramisco J.R.: Expression of SV40 virus large T antigen by recombinant adenoviruses activates proliferation of corneal endothelium in vitro. *Journal of Clinical Investigation*. 91(4):1713-1720, 1993.

28. Feldman S., Gately D., Seely L., Schonthal A., Olefsky J., and Feramisco J.: Stimulation of DNA synthesis and c-Fos expression in bovine corneal endothelium by insulin or IGF-1. *Investigative Ophthalmology and Visual Science*. 34(6):5-14, 1993.
29. Sosnowski R.G., Feldman S.T. and Feramisco J.R.: Cellular responses to wounding are blocked by interference of RAS. *Journal of Cell Biology*. 121(1):113-119, 1993.
30. Gonzalez G. and Feldman S.T.: Cyclic AMP mediated gene expression in bovine corneal endothelial cells. *Investigative Ophthalmology and Visual Science*. 34(10): 2970-5, 1993.
31. Kempen J.H., Kritchevsky M. and Feldman S.T.: The effect of visual impairment on neuropsychological test performance. *Journal of Clinical and Experimental Neuropsychology*, 16 (2): 223-231,1994
32. Lin S. and Feldman S.T.: Blepharitis, meibomitis and rosacea *Ocular Infectious Disease*, Field & Wood Medical Publications, Philadelphia, PA, 1994.
33. Novo A., Pavlopoulos G., and Feldman S.T.: Corneal topographic changes after refitting polymethylmethacrylate contact lens wearers into rigid gas permeable materials. *CLAO J*. 21(1) 47-51, 1994.
34. Opatowsky I., Feldman R., Gross R. and Feldman S.T.: Intraocular pressure elevation associated with inhalation and nasal corticosteroids. *Ophthalmology*. 102(2), 177-179, 1995.
35. Feldman S.T., and Schonthal A.: Negative regulation of histone H1 kinase expression by mimosine, a plant amino acid. *Cancer Research*, 54 (1) 494-498, 1994.
36. Nguyen V., Schonthal A., and Feldman S.: Expression of c-jun proto-oncogene in corneal endothelium. *Experimental Eye Research*. (59)335-341, 1994.
37. Rickman, L.S., Freeman, W.R., Green, W.R., Feldman, S.T., Sullivan, S., Russack, V., Relman, D.A.;; Uveitis Caused by "Tropheryma Whippelii (Whipple's bacillus)". *New England Journal of Medicine*. 332(6): 363-366, 1995.
38. Pavlopoulos, G.P., Horn, J., and Feldman S.T.: The effect of artificial tears on computer assisted corneal topography in normal eyes after penetrating keratoplasty. *American Journal of Ophthalmology*. 119(6): 712-722, 1995.
39. Macaluso, D, and Feldman, S.T.: Chapter 10: Pathogenesis of sterile corneal erosion and ulcerations. In: Cornea, (J. Krachmer, M. Mannis, and E. Holland, eds). St. Louis: Mosby-Year Book, Inc. In Press.

40. Parker, J., Ko, W.W., Pavlopoulos, G., Wolfe, P.J., Rabinowitz, Y.S. and Feldman, S.T.: Videokeratography of keratoconus in monozygotic twins. *Journal of Refractive and Corneal Surgery*. 12: 179-182, 1996.
41. Celikkol, L. Pavlopoulos, G., Weinstein, B., Celikkol, G., Feldman, S.T.: Calculation of intraocular lens power after radial keratotomy using computerized videokeratography. *American Journal of Ophthalmology*. 120: 739-50, 1995.
42. Chavez, S., Chayet, A., Celikkol, L., Parker, J., Celikkol, G., Feldman, S.T.: Analysis of astigmatic keratotomy with a 5 mm optical zone. *American Journal of Ophthalmology*. 121: 65-76, 1996
43. Feldman, S.T., Freeman, W.R., and Rickman, L.: Chapter: Ocular manifestation of whipple's disease. In: Ocular Infections and Immunity. (J.S. Pepose, G.N.Holland, K.R. Wilhelmus, eds.) Mosby-Year Book, Inc., St. Louis, 1398 - 1405, 1996.
44. Chavez, S., Celikkol, L., Feldman, S.T.: Hyperopic shift and myopic regression in a patient seven years following bilateral radial keratotomy. *Journal of Refractive and Corneal Surgery*. 12: 159-161, 1996.
45. Celikkol, L., Ahn D., Celikkol, G., Feldman, S.T.: Calculation of intraocular lens power in keratoconus using videokeratography. *Journal of Cataract and Refractive Surgery*. In Press.
46. Inatomi, T., Spurr-Michaud, S., Tisdale, A., Zhan, Q., Feldman, S.T., Gipson, L: Mucin Genes MUC4 and MUC5 are Expressed by Human Conjunctival Epithelia. *Investigative Ophthalmology and Visual Science*. In Press.
47. Warlen, M., Feldman, S.T.: Management of Complications following Radial Keratotomy. In *International Ophthalmology Clinics North America*. 1997. In Press. Editors: Hwang D. and Abbott R.
48. Henninghausen, H., Feldman, S.T., Bille, J., McCulloch, A.D.: Anterior-posterior strain in normally hydrated and swollen rabbit cornea. *Investigative Ophthalmology & Visual Science*. 39: 253-62, 1998.
49. Feldman, S.T., Chou, B.: Wavefront imaging in a contact lens-corrected myope. *Rev Optom*. June 2002.
50. Tuan, A.T., Chernyak, D., Feldman S.T. Predicting Patients' Night Vision Complaints With Wavefront Technology . *Am. J. Ophthalmol*. 141: 1-7. 2006.

ABSTRACTS

1. Feldman, S.T., Pamel, G., Maher, J., Cleveland, P. and Brown, S.I.; A rabbit model of staphylococcus aureus. *Investigative Ophthalmology and Visual Science*. (Suppl.) 28: 165, 1987.
2. Frucht, J., Feldman, S.T., Chayet, A.S. and Brown, S.I.; The use of fibrin sealant as a glue in lamellar keratoplasty. *Investigative Ophthalmology and Visual Science*. (Suppl.) 29: 452, 1988.
3. Feldman, S., Frucht, J., Weinreb, R., Chayet, A. and Brown, S.; Changes in vision and corneal curvature following radial keratotomy in humans. *Contact Lens Association of Ophthalmologists*. 1989 Annual Meeting.
4. Mitchell, M., Frucht, J. and Feldman, S.; The effect of preservation time and heat on prostaglandin E₂ release by donor corneas. *Investigative Ophthalmology and Visual Science*. (Suppl.) 30: 341, 1989.
5. Feldman, S., Speaker, M. and Cleveland, P.; The effect of magainin 2 and elevated temperature on cysts and trophozoites of *acanthamoeba castellanii*. *Investigative Ophthalmology and Visual Science*. (Suppl.) 30: 380, 1989.
6. Parker, J., Feldman, S., Frucht, J., Parker, A. and Brown, S.; Long term complications after keratoplasty with the combined suture technique. *Investigative Ophthalmology and Visual Science*. (Suppl.) 30: 340, 1989.
7. Frucht, J., Feldman, S., Chayet, A., Buckley, D. and Boyce, S; Sealing of large corneal perforations with fibrin sealant and collagen-gag matrix. *Investigative Ophthalmology and Visual Science*. (Suppl.) 30: 148, 1989.
8. Brown, S., Feldman, S., Frucht, J., Ellis, W. and Chayet, A.; Histopathology following thermokeratoplasty for hyperopia. *Investigative Ophthalmology and Visual Science* (Suppl.) 30: 48, 1989.
9. Buckley, J., Frucht, J., Lin, S., Brown, S. and Feldman, S.; The effect of pupillary size on contrast sensitivity function. *Investigative Ophthalmology and Visual Science*. (Suppl.) 30: 406, 1989.
10. Feldman, S., Speaker, M. and Cleveland, P; Effect of magainins on *acanthamoeba castellanii*. *Journal of Infectious Diseases* 1991;13 (Suppl 5):S439.
11. Feldman, S. and Kempen, J.; Binocular vision following cataract surgery. *Contact Lens Association of Ophthalmologists*. 1990 Annual Meeting. In press.
12. Feldman, S.T., Rodriguez, P., Cabrera, A.C. and Mitchell, M.D.; The effect of

- temperature and trephination on corneal eicosanoid release. *Investigative Ophthalmology and Visual Science*. (Suppl.) 31: 486, 1990.
13. Mitchell, M.D., Feldman, S.T. and Rodriguez, P.; The effect of cytokines on prostaglandin release by conjunctival fibroblasts. *Investive Ophthalmology and Visual Science*. (Suppl.) 31: 513, 1990.
 14. Lin, S.A., Feldman, S.T., Connors, K.M., Hoffman, R.M. and Wergeland, F; In vivo like system of culturing pterygia: Response to antiproliferative agents. *Investigative Ophthalmology and Visual Science*. (Suppl) 32:734, 1991.
 15. Feramisco, J.R., Feldman, S.T., Gately, D, Seely, L. and Olefsky, J.; Induction of the c-fos protooncogene and cellular proliferation by insulin and IGF-1 in bovine corneal endothelium. *Investigative Ophthalmology and Visual Science*. (Suppl) 32:1066, 1991.
 16. Feldman, S.T., Gately, D.P., Chien, K.R and Feramisco, J.R.; The effects of expression of SV40 large T antigen in corneal endothelial cells. *Investigative Ophthalmology and Visual Science*. (Suppl) 32:1178, 1991.
 17. Sossi, N., Frueh, B. and Feldman, S.T.; Reducing tilt and decentration of sutured intraocular lens implants. *Investigative Ophthalmology and Visual Science*. (Suppl) 30:796, 1991.
 18. Frueh, B., Feldman, S.T., Sossi, N., Tibaldi, L. and Brown, S; Combined suture technique with 11-0 mersilene for reducing postpenetrating keratoplasty astigmatism. *Investigative Ophthalmology and Visual Science*. (Suppl) 32:1236, 1991.
 19. Kempen, J., Lin, S.A., Feldman, S.T., Li, L. and Hofmann, R.; Confocal imaging of corneal endothelium and keratocytes in organ culture. *Investigative Ophthalmology and Visual Science*. (Suppl) 32:1176, 1991.
 20. Dardenne, C.M., Frueh, B., Klancnik, E., Niemz, M., Rimmel, R., Sossi, N., Feldman, S.T., Bille, J. and Brown, S.; Lens liquifaction using a picosecond IR laser. *Investigative Ophthalmology and Visual Science*. (Suppl) 32:797, 1991.
 21. Feldman, R.M., Crapotta, J.A., Holzinger, C., Feldman, S.T. and Gross, R.: Gaze position effect on intraocular pressure in glaucoma patients. *Investigative Ophthalmology and Visual Science*. (Suppl) 32:808, 1991.
 22. Feldman, S.T., Gately, D., Schonthal, A. and Feramisco, J.R.: C-Fos Protein Synthesis and Growth Regulation in Bovine Corneal Endothelial Cells. *Journal of Cellular Biochemistry*. (Suppl) 16B, 1992.
 23. Frueh, B., Shields, C., Juhasz, T. and Feldman, S.T.: DNA-Synthesis and proto-oncogene expression of keratocytes after Nd:YLF picosecond laser. *Investigative Ophthalmology and Visual Science*. (Suppl) 33:767, 1992.

24. Feldman, S.T., Nguyen, V., Schonthal, A. and Feramisco, J.: Expression of c-jun in bovine orneal endothelial cells. *Investigative Ophthalmology and Visual Science*. (Suppl) 33:923, 1992.
25. Gonzalez, G. and Feldman, S.T.: The cyclic amp response unit in bovine corneal endothelium. *Investigative Ophthalmology and Visual Science*. (Suppl) 33:923, 1992.
26. Shields, C., Frueh, B., Feldman, S.T.: Inhibition of contaminating keratocytes in corneal endothelial cell cultures. *Investigative Ophthalmology and Visual Science*. (Suppl) 33:925, 1992.
27. Pavlopoulos, G.P., Frueh, B.E. and Feldman, S.T.: Computer assisted corneal topography after small incision cataract surgery. *Investigative Ophthalmology and Visual Science*. (Suppl) 34(4):1219, 1993.
28. Feldman, S.T.: The effect TGF β ₁ proliferation in corneal endothelium. *Investigative Ophthalmology and Visual Science*. (Suppl) 34(4): 1375, 1993.
29. Ko, W.W., Frueh, B.E., Shields, C.K., Costello, M.L. and Feldman, S.T.: Experimental posterior lamellar transplantation of the rabbit cornea. *Investigative Ophthalmology and Visual Science*. (Suppl) 34(4):1102, 1993.
30. Novo, A., Pavlopoulos, G. and Feldman, S.T.: Corneal topographic changes after refitting PMMA contact lens wearers into rigid oxygen-permeable materials. *Investigative Ophthalmology and Visual Science*. (Suppl) 34(4): 1253, 1993.
31. Opatowsky, I., Feldman, R., Gross, R. and Feldman, S.T.: Intraocular pressure spikes following inhaled corticosteroids. *Ophthalmology*. (Suppl) 100 (9A): 130, 1993.
32. Frucht-Pery, J., Feldman, S.T.: Cataract surgery in a leprosy population in Liberia. *Int J Lepr Other Mycobact Dis* 61: 20-24, 1993.
32. Horn, J., Ray, J., Peterson, D., Haig, J., Baird, A., Feramisco, J.R., Gage, F., and Feldman, S.T.: Corneal endothelial proliferation is stimulated by expression of fibroblast growth factor-2. *Investigative Ophthalmology and Vision Science*. (Suppl.) 35(4): 2163, 1994.
33. Feldman, S.T., Tozer, J.R., Whang, S., Johnson, P., Feramisco, J.R., and Friedmann, T.: Gene transfer to the anterior segment of the eye by infection with recombinant viral vector. *Investigative Ophthalmology Vision and Science*. (Suppl.) 35(4): 1612, 1994.
34. Tozer, J.R., Feldman, S.T., Johnson, P., and Friedmann, T.: Gene transfer to the rabbit retina by in vivo infection with a recombinant viral vector. *Investigative Ophthalmology Vision and Science*. (Suppl.) 35(4): 605, 1994.

35. Feldman, S.T., Goldbaum, M.H., and Horn, J.: Automated interpretation of computerized corneal topography by neuron networks. *Ophthalmology*. (Suppl.), 101(9A): 124, 1994.
36. Sosnowski, B.A., Wang, R., Feldman, S.T., and Houston, L.L.: Fibroblast growth factor receptor expression in normal and diseased human eye tissue. *Investigative Ophthalmology Vision and Science*. (Suppl.). 36(4): 132, 1995.
37. Celikkol, L., Goldbaum, M., Raphaelian, P., Celikkol, G., Rabinowitz, C., Riley, C., and Feldman, S.: Neural networks to classify keratoconus and build diagnostic indices from videokeratography. *Investigative Ophthalmology Vision and Science*. (Suppl.) 36(4): 794, 1995.
38. Chavez-de-La-Paz, S., Goldbaum, M., Gelikkol, L., Celikkol, G., and Feldman, S.: Neural network analysis of videokeratography following radial keratotomy. *Invest Ophthalmol Vis Sci* (Suppl.) 36(4): 1033, 1995.
39. Feldman, S.T. "The role of tumor suppressors in the regulation of cell proliferation and differentiation." *Invest Ophthalmol Vis Sci* (Suppl.) 36(4): 200, 1995.
40. Zimmerman, M., Boss, G., Feramisco, J., and Feldman, S.T.: The effect of cellular contact on the growth response of corneal endothelium. *Invest Ophthalmol Vis Sci* (Suppl.). 36(4): 295, 1995.
41. Parandoosh, Z, Caton, M.C., Feldman, S.T., and Houston, L.L.: "Antiproliferative activity of rFGF2-saporin mitotoxin on cultured fibroblasts isolated from human pterygia." *Invest Ophthalmol Vis Sci* (Suppl.) 36(4): 35, 1995.
42. Celikkol, G., Goldbaum, M., MacRae, S., Feldman, S.T.: Neural network analysis of videokeratography following excimer laser photorefractive keratectomy. *Invest. Ophthalmol. Vis. Sci.* (Suppl.) 37(3): 564, 1996.
43. Castellanos, A., Edman, Carl., Diwa, A., Celikkol, L., Feldman, S.T.: Cell cycle analysis of human corneal endothelial cells and keratocytes. *Invest. Ophthalmol. Vis. Sci.* (Suppl) 37(3): 240, 1996.
44. Diwa, A., Celikkol, L., Chee, R., Feldman, S.T.: Expression of E2F-1, tumor suppressor genes and cyclin dependent kinase inhibitors in human corneal endothelium. *Invest. Ophthalmol. Vis. Sci.* (Suppl.) 37(3): 240, 1996
45. Celikkol, L., Diwa, A., Edman, C., Feldman, S.T.: Identification of differentially expressed genes in corneal layers using mRNA differential display method. *Invest. Ophthalmol. Vis. Sci.* (Suppl.) 37(3): 682, 1996.

46. Tsioulias, G., Zhou, Q., Dreher, A.W., Reed, G. Feldman, S.T.: Corneal topography and roughness in de-epithelialized corneas using the total corneal analyzer TCA™. *Invest. Ophthalmol. Vis. Sci.* (Suppl.) 37(3): 560, 1996.
47. Feldman, S.T., Chou, B.: Wavefront imaging in a contact lens-corrected myope. *Rev Optom.* June 2002.

LECTURES AND PRESENTATIONS

1. Red Eye: Differential Diagnosis. Lecture. Department of Nursing. Rush Medical Center. 1984.
2. Proptosis in Children. Lecture. Department of Ophthalmology. Rush Medical Center. 1984.
3. Orbital Cellulitis. Case Presentation. Department of Pediatrics. Rush Medical Center. 1985.
4. Practicum: Eye Exam. Lecture. Department of Nursing. Rush Medical Center. 1986.
5. Diagnosis and Management of Necrotizing Scleritis. Lecture. Department of Ophthalmology. Rush Medical Center. 1986.
6. Introduction to Eye Examination. Lecture. Department of Medicine. Rush Medical Center. 1986.
7. Corneal Dystrophies. Lecture. Department of Ophthalmology. Rush Medical Center. 1986.
8. Conjunctivitis. Lecture. Department of Medicine. University of California at San Diego. 1986.
9. Radial Keratotomy. Lecture. Department of Ophthalmology. University of California at San Diego. 1987.
10. Refractive Keratoplasty. Visiting Professor. Department of Ophthalmology. University of Chicago. 1987.
11. Astigmatism after Keratoplasty. Lecture. Department of Ophthalmology. University of California, San Diego. 1987.
12. Acanthamoeba Keratitis. Lecture. Department of Ophthalmology. University of California at San Diego. 1987.
13. A Rabbit Model of Conjunctivitis. The Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting. Sarasota, FL. May, 1987.
14. Anterior Segment Complications of Retinal Surgery with Silicone Oil. New Horizons

- in Posterior Segment Ocular Disease. San Diego, CA. 1988.
15. Anaerobic Endophthalmitis. Ophthalmology Grand Rounds. University of California at San Diego. 1988.
 16. Inflammatory Diseases of the Cornea. California Medical Association. Reno, NV. 1988.
 17. Keratoconus. Ophthalmology Grand Rounds. University of California at San Diego. 1988.
 18. Introduction to Ophthalmology. Surgery 301. University of California at San Diego. 1988.
 19. Acanthamoebic Infections of the Eye. Pacific Coast Oto-Ophthalmological Society. San Diego, CA. June, 1988.
 20. Changing Vision After Radial Keratotomy. UCSD Alumni Day. San Diego, CA 1988.
 21. Functional Anatomy of the Eye. Second Year Medical Students at UCSD. San Diego, CA. 1988.
 22. Chemical Burns of the Eye. UCSD Toxicology, San Diego, CA. 1988.
 23. New Developments in Acanthamoeba Keratitis. Anterior Segment Symposium: Advances in Surgery and Disease Management. Coronado, CA. February, 1989.
 24. Experimental Thermokeratoplasty. Anterior Segment Symposium: Advances in Surgery and Disease Management. Coronado, CA. February, 1989.
 25. Corneal Stromal Dystrophies. Lecture. Ophthalmology Grand Rounds. University of California, San Diego La Jolla, CA. 1989.
 26. Introduction to Ophthalmology. Surgery 301. University of California at San Diego. May, 1989.
 27. The Effect of Magainins and Temperature on Acanthamoeba Castellanii. The Association for Research in Vision and Ophthalmology.(ARVO) Sarasota, FL. May, 1989.
 28. Corneal Preservation. Ophthalmology Grand Rounds. University of California, San Diego. La Jolla, CA. June, 1989.
 29. Capnocytophaga Keratitis. Pacific Coast Oto-Ophthalmological Society. Kuauai, HI. July, 1989.
 30. Acanthamoebic Keratitis. Western Regional Update, American Academy of

- Ophthalmology. Irvine, CA. August, 1989.
31. Functional Anatomy of the Eye. Lecture. Department of Anatomy. University of California, San Diego. November, 1989.
 32. Management of Astigmatism Following Cataract Surgery and Keratoplasty. Cornea and External Disease 1990: A Preview. The New York Eye and Ear Infirmary. New York, N.Y. December, 1989.
 33. Correction of Hyperopia and Astigmatism with Refractive Thermokeratoplasty. Cornea and External Disease 1990: A Preview. The New York Eye and Ear Infirmary. New York, NY. December, 1989.
 34. Drug Induced Ocular Cicatricial Pemphigoid. Advances in Glaucoma. University of California, San Diego. La Jolla, CA. 1990.
 35. Grave's Ophthalmology. Department of Endocrinology. University of California, San Diego. La Jolla, CA. 1990.
 36. Introduction to Ophthalmology. Lecture. Department of Surgery. University of California, San Diego. La Jolla, CA. 1990.
 37. Differential Diagnosis of the Red Eye. UCSD Topics and Advances in Internal Medicine. University of California, San Diego. February, 1990.
 38. Epidermal Growth Factor: Practical Considerations for Therapeutic Use. Ophthalmology Grand Rounds. University of California, San Diego. San Diego, CA. September, 1990.
 39. Introduction to Ophthalmology: Cornea and External Disease. Lecture. Introduction to Clinical Medicine, School of Medicine University of California, San Diego. October, 1990.
 40. Keratoconus. Ophthalmology Grand Rounds. University of California, San Diego. La Jolla, CA. October, 1990.
 41. Atypical Mycobacterial Keratitis. Ophthalmic Microbiology and Immunology Group (OMIG), Atlanta, GA. October, 1990.
 42. C-Fos Expression and Growth Regulation in Bovine Corneal Endothelial Cells. Scientific Program. Castroviejo Society. Atlanta, GA. October, 1990.
 43. Clinical Anatomy of the Eye. Department of Pathology. School of Medicine: University of California, San Diego. November, 1990.
 44. Cataract Surgery in the Diabetic Eye. Moderator. California Association of Ophthalmology (COA). La Jolla, CA. May, 1991.

45. Introduction to Ophthalmology: Cornea and External Disease. Lecture. Introduction to Clinical Medicine. School of Medicine: University of California, San Diego. October, 1991.
46. C-Jun Expression in Bovine Corneal Endothelium. Scientific Session. Castroviejo Society. Anaheim, CA. October, 1991.
47. Laser Tomographic Scanning of Corneal Crystals in Cystinosis. Scientific Session. Castroviejo Society. Anaheim, CA. October, 1991.
48. Functional Anatomy of the Eye. Department of Pathology. School of Medicine: University of California, San Diego. La Jolla, CA. November, 1991.
49. Cataracts in the Elderly. UCSD Recent Advances in Geriatric Medicine. University of California, San Diego. La Jolla, CA. January, 1992.
50. Fos and Growth Regulation in BCE: Negative Growth Control. The Keystone Symposium. Keystone, Colorado. January, 1992.
51. The Red Eye: Differential Diagnosis and Management. UCSD Topics and Advances on Internal Medicine. University of California, San Diego. La Jolla, CA. February, 1992.
52. Complications Following Cataract Surgery. Moderator. Endothelium Cell Loss After Cataract Surgery. Ophthalmology Grand Rounds. University of California, San Diego. La Jolla, CA. February, 1992.
53. Max Fine Corneal Society Meeting. University of California, Irvine. Irvine, CA. March, 1992.
54. Eleventh Annual Educational Conference. California Association of Ophthalmology (CAO). Management of Acute Corneal Trauma. Dana Point, California. September, 1992.
55. Eye Banking and External Diseases. Chair: Basic Research Session. International Conference on Cornea: State of the Art. Jerusalem, Israel. June 1993.
56. Cell Cycle Progression in Corneal Endothelium Cells. XV Ophthalmic Biochemistry Conference. Oakland University. Rochester, Michigan. October 1993.
57. Management of Anterior Segment Trauma: Primary Repair and Secondary Reconstruction and Management of Conjunctiva Restriction. Ocular Trauma and Refractive Surgery Symposium. University of Mexico. Guadalajara, Mexico. October, 1993.
58. Introduction to Ophthalmology: Cornea and External Disease. Lecture. Introduction to

Clinical Medicine. School of Medicine: University of California, San Diego. La Jolla, CA. October, 1993.

59. Intraocular Pressure Elevation Associated With Inhalation and Nasal Corticosteroids. American Academy of Ophthalmologists (AAO). Chicago, Illinois. November, 1993.
60. Advances in Topographic Analysis of Corneal Wounds. Lecture. Corneal Topography Symposium. Contact Lens Association of Ophthalmologists (CLAO). Las Vegas, NV. January, 1994.
61. Inside View of Ophthalmic Surgery. Lecture. Function and Dysfunction of the Eye. School of Medicine: University of California, San Diego. La Jolla, CA. March, 1994.
62. Gene Transfer to the Anterior Segment of the Eye. Moderator. Genetic Manipulation and Wound Healing of Corneal Endothelium. Association for Research in Vision and Ophthalmology (ARVO). Sarasota, Florida. May, 1994.
63. Introduction to Ophthalmology: Cornea and External Disease. Lecture. Introduction to Clinical Medicine. School of Medicine, University of California, San Diego. La Jolla, CA. November, 1994.
64. Clear Corneal Incision for Phacoemulsification and IOL. Moderator. Cornea Conferences. Department of Ophthalmology. University of California, San Diego. La Jolla, CA. 25 October, 1994.
65. Management of Difficult and Complicated Cases. Moderator. Cornea Conferences. Department of Ophthalmology. University of California, San Diego. La Jolla, CA. October 1994.
66. Management of Selected IOL Complications and Advances in Anterior Segment Surgery. Moderator Cornea Conferences. Department of Ophthalmology. University of California, San Diego. La Jolla, CA . October 1994.
67. Cyclin Expression in Corneal Endothelium as a Function of Age. Ocular Cell and Molecular Biology Symposium. Coronado, CA. August 1995.
68. Calculation of Intraocular Lens Power after Radial Keratotomy. International Society of Refractive Surgery Meeting, Atlanta, GA. October 1995.
69. Introduction to Ophthalmology: Cornea and External Disease: Lecture. Introduction to Clinical Medicine Course. University of California, San Diego. La Jolla, CA. November 1995.

VISITING PROFESSORSHIPS AND INVITED LECTURES

1. Refractive Keratoplasty. Visiting Professor. Department of Ophthalmology. University of Chicago. Chicago, IL. October, 1987.
2. Anterior Segment Complications of Retinal Surgery with Silicone Oil. New Horizons in Posterior Segment Ocular Disease. San Diego, CA. February, 1988.
3. Inflammatory Diseases of the Cornea. California Medical Association. Reno, NV. February, 1988.
4. Acanthamoebic Infections of the Eye. Pacific Coast Oto-Ophthalmological Society. San Diego, CA. June, 1988.
5. Capnocytophaga Keratitis. Pacific Coast Oto-Ophthalmological Society. Kuai, HI. July, 1989.
6. Acanthamoebic Keratitis. Western Regional Update, American Academy of Ophthalmology (AAO). Irvine, CA. August, 1989.
7. Management of Astigmatism Following Cataract Surgery and Keratoplasty. Cornea and External Disease 1990: A Preview. The New York Eye and Ear Infirmary. New York, NY. December, 1989.
8. Correction of Hyperopia and Astigmatism with Refractive Thermokeratoplasty. Cornea and External Disease 1990: A Preview. The New York Eye and Ear Infirmary. New York, NY. December, 1989.
9. Differential Diagnosis of the Red Eye. UCSD Topics and Advances in Internal Medicine. University of California, San Diego. La Jolla, CA. February, 1990.
10. Keratoplasty Following Cataract Surgery. Visiting Professor. Tijuana Medical Society. Tijuana, Mexico. August, 1991.
11. Healthy People 2000: A Look at Screening, Prevention and Rehabilitation in Elderly. UCSD Recent Advances in Geriatric Medicine. University of California, San Diego. San Diego, California. January, 1992.
12. The Red Eye: Differential Diagnosis and Management. Moderator. UCSD Topics and Advances in Internal Medicine. University of California, San Diego. San Diego, California. February, 1992.
13. Poster Session: Endothelium/Storage. Moderator Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting. Sarasota, Florida. May, 1992.
14. Postoperative Astigmatism. Moderator. Cornea Conferences. Department of Ophthalmology. University of California, San Diego. San Diego, California. May 1993.

15. Eye Banking and External Diseases. Visiting Professor & Chair: Basic Research Session. International Conference on Cornea: State of the Art. Jerusalem Israel. June 1993
16. Cell Cycle Progression in Corneal Endothelium Cells. XV Ophthalmic Biochemistry Conference. Oakland University. Rochester, Michigan. October 1993.
17. Ocular Trauma and Refractive Surgery. Visiting Professor. Management of Anterior Segment Trauma: Primary Repair and Secondary Reconstruction and Management of Conjunctiva Restriction. University of Mexico. Guadalajara, Mexico. October 1993.
18. Genetic Manipulation and Wound Healing of Corneal Endothelium. Moderator. Association for Research in Vision and Ophthalmology (ARVO). Sarasota, Florida. May, 1994.
19. Current Concepts in Cornea and Refractive Surgery. Cedars-Sinai Medical Center. Persistent Epithelial Defects. Los Angeles, CA. August 1994.
20. Thirteenth Annual Educational Conference. California Association of Ophthalmology (CAO). Medical and Surgical Management of Recurrent Corneal Erosion Syndrome. September 1994.
21. Aegean Cornea II. Corneal Topography. Videokeratography of keratoconus in monozygotic twins. Rhodes, Greece. University of Crete. Rhodes, Greece. September 30-October 2, 1994.
22. New Concepts in Pathobiology. Lecture. The Cell Cycle and Its Regulation. American Association of Ophthalmic Pathology. San Francisco, CA. October 1994
23. Scientific Program. Moderator. Castroviejo Cornea Society. San Francisco, CA. October 1994.
24. American Academy of Ophthalmology. Special Focus Course. Radial Keratotomy Patient Selection. Birmingham, AL. April 1995.
25. American Academy of Ophthalmology. Special Focus Course. Preparing the Patient for Surgery. Birmingham, AL. April 1995.
26. American Academy of Ophthalmology. Special Focus Course. Astigmatic Keratotomy. Birmingham, AL. April 1995.
27. American Academy of Ophthalmology. Special Focus Course. Complications: How To Avoid Them. Birmingham, AL. April 1995.
28. American Academy of Ophthalmology. Special Focus Course. Cataract Surgery After Radial Keratotomy. Birmingham, AL. April 1995.

29. Mini-symposium. Association for Research in Vision and Ophthalmology Annual Meeting. The Role of Tumor Suppressors in the Regulation of Cell Proliferation and Differentiation. Ft. Lauderdale, FL. May 1995.
30. 19th Biennial Cornea Research Conference. Cell Cycle Analysis of Corneal Cells. Boston, MA. October 1995.
31. Genetic Disease and the Eye Conference. Overview of Corneal Dystrophies. Los Angeles, CA. January, 1996.
32. Contact Lens Society of America Annual Education Meeting. Medical Complications of Contact Lens Wear. Palm Springs, CA. March 1996.
33. Corneal Topography and PRK. Summit Certification Course. UCLA, Jules Stein Eye Institute, Los Angeles, CA. September 1996.
34. Results following PRK. Summit Certification Course. UCLA, Jules Stein Eye Institute, Los Angeles, CA. September 1996.
35. Genetic manipulation of Corneal Endothelium. International Congress on Eye Research. Yokohama, Japan. September 1996.
36. Central Islands following PRK. International Society of Refractive Surgery. Pre-AAO Meeting. Chicago, IL. October 1996.
37. Mini-Symposium. Cell Cycle Regulation of Corneal Endothelium. Association for Research in Vision and Ophthalmology. Ft. Lauderdale, FL. May 1997.
38. Central Islands following PRK. Pacific Coast Oto-Ophthalmology. San Diego, CA. June 1997.
39. Pediatric Ocular Injuries. Pediatric Sports Medicine Conference. San Diego, CA. June 1997.
40. PRK. Intraoperative Technique. Skamania Meeting, Oregon Health Sciences University. August 1997.
41. PRK: 500th vs. First Case. Skamania Meeting, Oregon Health Sciences University. August 1997.
42. Management of Astigmatism. Skamania Meeting, Oregon Health Sciences University. August 1997.
43. Computerized Corneal Topography, Castroviejo Corneal Society Symposium. American Academy of Ophthalmology Annual Meeting. October 1998.

44. Hyperopic LASIK. Kaiser Permanente Medical Center, San Diego, CA.
45. Clinical Results of LASIK. New Frontiers in Vision and Aberration-Free Refractive Surgery. International Workshop of the Kirchoff Institute of Physics, University of Heidelberg, Heidelberg, Germany. July 2000.
46. 2001 Clinical Results of LASIK. Milano, Italy. June 2001.
47. 2001 Clinical Results of LASIK. International Society of Refractive Surgery. New Orleans, LA. November 2001.
48. Refractive Surgery in Athletes. University of CA, San Diego, Sports Medicine. January 2002.
49. Accuracy of Wavefront Derived Refraction. ASCRS. San Francisco, CA. May 2003
50. Value of VISX/AMO to My Practice. AMO Sales Meeting. Boulder, CO July 2006
51. Point Counterpoint Talk. Accommodative IOL's. They Don't Work or Do They? AAO. Las Vegas, NV
52. PreCataract Patients. Educational Meeting. AMO Sponsor. AAO. Las Vegas, NV
53. Treatment of Low Myopia. Whistler Meeting. Whistler, Canada. February 2007.

NON-PEER REVIEWED PUBLICATIONS

1. Quoted expert on Whipple's Disease in "Uncommon Presentation of Whipple's Disease Diagnosed By PCR". Alice Goodman. Ophthalmology World News. June 1995.
2. Article about Dr. Feldman's Surgery for Triathlete, Lori Bowden "Seeing is Believing Part I, Seeing is Believing Part II." Triathlete Magazine Article January and February 1999.
3. Editorial Competitor Magazine. 1999.
4. Inimical Article on Sunglasses. Sandy Feldman, M.D. Triathlete. May 1999.
5. Quoted expert on LASIK. Bening's LA Health and Fitness. November 1999.
6. Article about Dr. Feldman's Surgery for Surfer, Kahea Hart. Surfer Magazine. May 2000.
7. Quoted expert on Results of LASIK. Ocular Surgery News, 20:28, 2001.
8. Expert on KUSI, Channel 8 - Changing Lifestyles through LASIK. March 2002
9. Expert on KUSI, Channel 8- CUSTOMVUE LASIK- June 2003
10. Expert on FOX TV Channel 6- CUSTOMVUE LASIK- June 2003, August 2003
11. Expert on KUSI, Channel 8- New You Makeover Show- November 2003
12. Ocular Surgery News. Wavefront analysis matches patient sketches of night vision problems. OSN. 24,5:2006,28.