

Signature

Name: Esen K. Akpek, MD

Date: 06/01/2007

DEMOGRAPHIC INFORMATION

Current Appointments:

Johns Hopkins University School of Medicine, Johns Hopkins Hospital.

Personal Data:

Business address: The Wilmer Ophthalmological Institute
Johns Hopkins Medical Institutions
600 N. Wolfe Street, Maumenee #317
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Education:

1981-1984 BS, Ankara Girls' Lycee, Ankara, Turkey
1984-1985 English Preparatory School at Hacettepe
University Medical School, Ankara
1985-1990 MD, Hacettepe University Medical School, Ankara

Postdoctoral Training:

1990-1991 Intern in medicine, Hacettepe University
Medical School Hospital and Children's
Hospital, Ankara

1992-1995 Residency in ophthalmology, Ankara Numune
Hospital, Ankara

2/1996-6/1996 Research fellow, Hilles Immunology Laboratory, Department
of Ophthalmology, Massachusetts Eye and Ear Infirmary,
Harvard Medical School, Boston

7/1996-6/1998 Clinical fellow, Ocular Immunology and Uveitis Service,
Department of Ophthalmology, Massachusetts Eye and Ear
Infirmary, Harvard Medical School, Boston

7/1998-6/1999 Clinical fellow, Cornea and External Disease Service,
Wilmer Eye Institute Department of Ophthalmology,
Johns Hopkins University School of Medicine, Baltimore

Professional Experience:

1991-1992 General practitioner, Social Security Hospital, Ankara,
Turkey

1994-1995	Chief Resident in ophthalmology, Ankara Numune Hospital, Ankara
1999-2000	Instructor in ophthalmology, Wilmer Eye Institute, Johns Hopkins University Medical School, Baltimore
2000-2005	Assistant Professor in ophthalmology, Cornea and External Disease Service, Wilmer Eye Institute, Johns Hopkins University Medical School, Baltimore
2004-present	Director, Ocular Surface Diseases and Dry Eye Clinic, Wilmer Eye Institute, Johns Hopkins University Medical School, Baltimore
2005-present	Associate Professor in ophthalmology, Cornea and External Disease Service, Wilmer Eye Institute, Johns Hopkins University Medical School, Baltimore

RESEARCH ACTIVITIES

Publications:

Peer-reviewed scientific articles:

1. Aquavella JV, Gearing MD, **Akpek EK**, McCormick GJ. Pediatric keratoprosthesis. *Ophthalmology* 2007;114:989-94.
2. Parekh P, Stark W, Green WR, **Akpek EK**. Subluxation of Suture-Fixated Posterior Chamber Intraocular Lenses: A Clinicopathological Study. *Ophthalmology* 2007;114:232-7
3. Pakravan M, Klesert T, **Akpek EK**. Conjunctival lichen planus. *Br Journal Ophthalmol*, 2006;90:1325-6.
4. Bothelho PJ, Congon NG, Handa JT, **Akpek EK**. Keratoprosthesis in High-Risk Pediatric Corneal Transplantation: First Two Cases. *Arch Ophthalmol*, 2006;124:1356-7.
5. Ilhan-Sarac O, **Akpek EK**. Current concepts and techniques in keratoprosthesis. *Curr Opin Ophthalmol* 2005;16:246-50.
6. Tatlipinar S, **Akpek EK**. Topical Cyclosporin A in the Treatment of Ocular Surface Diseases: An Evidence Based Review. *Br J Ophthalmol* 2005;89:1363-7.
7. Jabbur NS, **Akpek EK**, Stark WJ. Subluxation of iris-sutured intraocular lenses and results of a closed chamber technique for repositioning. *Cornea* 2005;24:438-42.
8. Jabs DA, **Akpek EK**. Immunosuppression for posterior uveitis. *Retina* 2005;25:1-18.
9. **Akpek EK**, Chan CC, Shen D, Green WR. Lack of herpetic viral etiology in the choroidal tissues of a patient with serpiginous choroiditis. *Ophthalmology* 2004;111:2071-5.
10. Jabs DA, Gérard HC, Prendergast RA, Wang WY, Hudson AP, **Akpek EK**, et al. Inflammatory mediators in autoimmune lacrimal gland disease in MRL/MPj mice. *Invest Ophthalmol Vis Sci* 2004;45:2293-8.
11. **Akpek EK**, Watson S, Christen W, et al. A randomized, placebo-controlled trial of topical cyclosporin 0.05% in steroid resistant atopic keratoconjunctivitis. *Ophthalmology* 2004;111:476-82.

12. **Akpek EK**, Thorne JE, Qazi FA, et al. Evaluation of patients with scleritis for systemic disease. **Ophthalmology** 2004;111:501-06.
13. **Akpek EK**, Jabs DA, Whittum-Hudson JA, et al. Chemokines in autoimmune lacrimal gland disease in MRL/MPJ mice. **Invest Ophthalmol Vis Sci**, 2004;45:185-90.
14. **Akpek EK**, Gottsch JD. Ocular surface immune defense. **Eye**, 2003;17:949-56.
15. **Akpek EK**, Ilhan-Sarac O, Green WR. Topical cyclosporin in the treatment of chronic sarcoidosis of the conjunctiva. **Arch Ophthalmol** 2003;121:1333-5.
16. **Akpek EK**, Ilhan-Sarac O. New treatments for serpiginous choroiditis. **Curr Opin Ophthalmol**. 2003;14:128-31.
17. **Akpek EK**, Altan-Yaycioglu R, Karadayi K, et al. Long-term outcomes of combined penetrating keratoplasty with iris sutured intraocular lens implantation. **Ophthalmology** 2003;110:1017-22.
18. **Akpek EK**, Jabs DA, Tessler HH, Joondeph BA, Foster CS. Successful treatment of serpiginous choroiditis with alkylating agents. **Ophthalmology** 2002;109:1506-13.
19. **Akpek EK**, Liu SH, Thompson R, Gottsch JD. Experimental helminthic keratitis induced by paramyosin-calgranulin C (HuCOAg) complex. **Invest Ophthalmol Vis Sci** 2002;43:2677-84.
20. Jun AS, Broman K, Van Do D, **Akpek EK**, Stark WJ, Gottsch JD. Endothelial dystrophy, iris hypoplasia, congenital cataracts, and stromal thinning (EDICT) syndrome maps to chromosome 15q15-q25. **Am J Ophthalmol** 2002;134:172-6.
21. **Akpek EK**, Jun AS, Goodman DF, Green WR, Gottsch JD. Clinical and ultrastructural features of a novel hereditary anterior segment dysgenesis. **Ophthalmology** 2002;109:513-9.
22. **Akpek EK**, Baltatzis S, Yang J, Foster CS. Long-term immunosuppressive treatment in serpiginous choroiditis. **Ocul Immunol Inflamm** 2001;9:153-68.
23. **Akpek EK**, Altan-Yaycioglu R, Stark WJ. Spontaneous corneal perforation in a patient with unusual unilateral pellucid marginal degeneration. **J Cataract Refract Surg** 2001;27:1698-1700.
24. Akpek G, **Akpek EK**, Lee S, et al. Unusual locations for lymphomas: case 3. Successive occurrence of peripheral T-cell lymphoma with bilateral conjunctival involvement in a patient with low-grade B-cell lymphoma. **J Clin Oncol** 2001;19:2964-6.
25. **Akpek EK**, Liu SH, Gottsch JD. Induction of experimental autoimmune keratitis by adoptive transfer of human corneal antigen-specific T cell line. **Invest Ophthalmol Vis Sci** 2000; 41:4182-8.
26. Gottsch JD, **Akpek EK**. Topical cyclosporin stimulates neovascularization in resolving sterile rheumatoid central corneal ulcers. **Trans Am Ophthalmol Soc** 2000;98:59-69.
27. **Akpek EK**, Gottsch JD. Herpes zoster sine herpette presenting with hyphema. **Ocul Immunol Inflamm** 2000;8:115-8.
28. **Akpek EK**, Demetriades AM, Gottsch JD. Peripheral ulcerative keratitis following clear corneal cataract extraction. **J Cataract Refract Surg** 2000;26:1424-7.
29. Nguyen QD, Uy HS, **Akpek EK**, Harper S, Zacks D, Foster CS. Choroidopathy of systemic lupus erythematosus. **Lupus** 2000;9:288-98.

30. **Akpek EK**, Haddad RS, Winkelstein JA, Gottsch JD. Bilateral consecutive central corneal perforations associated with hypogammaglobulinemia. **Ophthalmology** 2000;107:123-6.
31. **Akpek EK**, Hasiripi H, Christen WG, Kalayci D. A randomized trial of low-dose, topical mitomycin-C in the treatment of vernal keratoconjunctivitis. **Ophthalmology** 2000;107:263-9.
32. **Akpek EK**, Maca SM, Foster CS. Elevated vitreous interleukin-10 level is not diagnostic of intraocular-central nervous system lymphoma. **Ophthalmology** 1999;106:2291-5.
33. Sangwan W, **Akpek EK**, Zhao TZ, Pinar V, Yang J, Foster CS. Krill protease effects on wound healing following corneal alkali-burn. **Cornea** 1999;18:707-11.
34. **Akpek EK**, Ahmed I, Hochberg HF, Soheilian M, Dryja TP, Jakobiec FA, Foster CS. Primary intraocular lymphoma: clinical features, diagnosis and outcomes. **Ophthalmology** 1999;106:1805-10. (Selected to be included in the Year Book of Ophthalmology, Wilson RP (ed), 2000;266-7.)
35. **Akpek EK**, Polcharoen W, Chan R, Foster CS. Ocular surface neoplasia masquerading as chronic blepharoconjunctivitis. **Cornea** 1999;18:282-8.
36. **Akpek EK**, Polcharoen W, Ferry JA, Foster CS. Conjunctival lymphoma masquerading as chronic conjunctivitis. **Ophthalmology** 1999;106:757-60.
37. **Akpek EK**, Uy H, Christine W, Gurdal C, Foster CS. Severity of episcleritis and systemic disease association. **Ophthalmology** 1999;106:729-31.
38. **Akpek EK**, Kent C, Jakobiec FA, Caliendo AM, Foster CS. Bilateral acute retinal necrosis caused by cytomegalovirus in an immunocompromised patient. **Am J Ophthalmol** 1999;127:93-5.
39. **Akpek EK**, Ertoy D, Kalayci D, Hasiripi H. Post-operative topical mitomycin-C in conjunctival squamous cell neoplasia. **Cornea** 1999;18:59-62.
40. **Akpek EK**, Merchant A, Pinar V, Foster CS. Ocular rosacea: patient characteristics and follow-up. **Ophthalmology** 1997;104:1873-7. (Selected to be included in the Year Book of Dermatology, Thiers BH, Lang PG (eds), 1998;155-7.)
41. **Akpek EK**, Ertoy D, Aslan Y, Recep OF, Hasiripi H. Invasive squamous cell carcinoma of the conjunctiva: a case report. **Ann Ophthalmol** 1996;28:364-6.
42. Kalayci D, Basci N, **Akpek EK**, Hasiripi H, Bozkurt A. Penetration of topical 0.3% ciprofloxacin into human aqueous humor. **Ophthalmic Surg Lasers** 1996;27:21-4.

In press:

43. Parekh P, Green WR, Stark WJ, **Akpek EK**. Electron microscopic investigation of the lens capsule and conjunctival tissues in individuals with clinically unilateral pseudoexfoliation syndrome. **Ophthalmology**, in press.
44. **Akpek EK**, Harissi-Dagher M, Petrarca R, Butrus SA, Pineda R, Aquavella JV, Dohlman CH. Outcomes of boston keratoprosthesis in aniridia: a retrospective multicenter study. **Am J Ophthalmol**, in press.
45. Jabs DA, Prendergast RA, Lee B, **Akpek EK**, Whittum-Hudson JA. Autoimmune Th2-mediated dacryoadenitis in MRL/MpJ mice becomes Th1-mediated in IL-4 deficient MRL/MpJ mice. **Invest Ophthalmol Vis Sci**

Submitted:

46. Suh L, Jun AS, **Akpek EK**. Inferior corneal thickening as a presenting sign of systemic sarcoidosis. Submitted to **Eye**.
47. Coassin M, Zhang C, Green WR, Aquavella JA, **Akpek EK**. Histopathological and immunohistochemical aspects of artificial corneal failure. Submitted to **Am J Ophthalmol**.
48. **Akpek EK**, Folgar FA. Medical management of acutely recurring pterygium with topical mitomycin C. Submitted to **Am J Ophthalmol**.
49. **Akpek EK**, Klimava A, Thorne JE, et al. Evaluation dry eye patients for associated medical conditions. Submitted to **Ophthalmology**.
50. Gupta A, Sadeghi PB, **Akpek EK**. Occult thyroid eye disease in patients presenting with dry eye symptoms. submitted, **Ophthalmology**.
51. Atopic keratoconjunctivitis-long-term outcomes of topical cyclosporine treatment.

Non-peer-reviewed articles:

1. **Akpek EK**, Kalayci D. Mitomycin-C and vernal conjunctivitis: authors' reply. **Ophthalmology** 2000;107:2126.
2. **Akpek EK**, Kalayci D. Mitomycin-C and vernal conjunctivitis: authors' reply. **Ophthalmology** 2000;107:2126-7.
3. **Akpek EK**, Foster CS. Elevated vitreous interleukin-10 level is not diagnostic of intraocular-central nervous system lymphoma: authors' reply. **Ophthalmology** 2001;108:426-7.
4. Foster CS, **Akpek EK**. Elevated vitreous interleukin-10 level is not diagnostic of intraocular-central nervous system lymphoma: authors' reply. **Ophthalmology** 2001;108:428.
5. **Akpek EK**, Foster CS. Primary intraocular lymphoma with a low interleukin 10 to interleukin 6 ratio and heterogeneous IgH gene arrangement: letter to the editor. **Arch Ophthalmol** 2000;118:731-2.
6. **Akpek EK**, Karadayi K. Ketorolac tromethamine 0.5% ophthalmic solution in the treatment of moderate to severe ocular inflammation after cataract surgery: a randomized, vehicle-controlled clinical trial: letter to the editor. **Am J Ophthalmol** 1999;128:662-3.

Book chapters:

1. **Akpek EK**, Gottsch JD. Mooren's ulcer, in Current Ocular Therapy, 5th edition. Eds Fraunfelder and Roy. WB Saunders Publishers, New York, 1999;367-9.
2. **Akpek EK**, Foster CS. Limbal stem cell transplantation, in Surgical Advances in Ophthalmology. Eds Jakobiec FA, Kryzstolic M. Lippincott, Williams and Wilkins, Philadelphia, 1999; 39(1);71-82.
3. **Akpek EK**, Irkec M. Allergic conjunctivitis, in Cornea and External Disease: The Essentials. Eds McDonnell P, O'Brien TP. Thieme Medical Publishers, Inc, New York, in press.
4. **Akpek EK**, Altan-Yaycioglu R, Stark WJ. Six pearls in challenging corneal surgery, in 101 Pearls in Cataract, Refractive and Corneal surgery. Eds. Melki SA, Azar DT. Slack Incorporated, Thorofare, NJ, 2001;149-60.

5. **Akpek EK**, Altan-Yaycioglu R, Stark WJ. Corneal stability and biomechanics after LASIK, in LASIK. Eds Azar DT, Koch DD. Marcel Dekker, Inc, New York, 2002;163-72.
6. **Akpek EK**, Ilhan-Sarac O. Cicatrizing conjunctivitis, in Smolin and Thoft's The Cornea, 4th edition. Eds Foster CS, Azar DT, Dohlman C. Lippincott Williams and Wilkins, Philadelphia.
7. **Akpek EK**, Jabbur NS, Daines BS, Stark WJ. Corneal ectasia after LASIK, in Myopia and Related Diseases: A Clinical and Therapeutic Approach. Midena E. Ed. Fondazione G.B. Bietti per lo Studio e la Ricerca in Oftalmologia ONLUS, Ophthalmic Communications Society, Inc., New York, 2005; 443-448.
8. Daines BS, **Akpek EK**, Jabbur NS, Stark WJ. Update on phakic intraocular lenses, in Myopia and Related Diseases: A Clinical and Therapeutic Approach. Midena E. Ed. Fondazione G.B. Bietti per lo Studio e la Ricerca in Oftalmologia ONLUS Ophthalmic Communications Society, Inc., New York, 2005; 453-459.
9. Sen N, Eser I, **Akpek EK**. Lamellar keratoplasty in perforated pellucid marginal degeneration. Section V: Tectonic lamellar keratoplasty. In: Surgical Techniques in anterior and posterior lamellar corneal surgery. Ed: Thomas John. Jaypee Brothers Medical Publishers (P) LTD, New Delhi, 2005;469-476.
10. Jabs DA, **Akpek EK**. Immunosuppressive therapy for posterior segment disease. *Retina*, 4th edition. Editor in Chief: Stephen Ryan. Elsevier, London, 2005.
11. Suh L, **Akpek EK**, Stark WJ. Tectonic lamellar keratoplasty in Mooren's and Mooren's-like corneal ulcers. Section V: Tectonic lamellar keratoplasty. In: Surgical Techniques in anterior and posterior lamellar corneal surgery. Ed: Thomas John. Jaypee Brothers Medical Publishers (P) LTD, New Delhi, 2005;483-490.
12. Tatlipinar S, **Akpek EK**. Scleritis. In: Current Ocular therapy 6th edition. Eds: F Hampton Roy, Frederick T Fraunfelder, Frederick W Fraunfelder. Elsevier. Chapter 347, pp 653-656.
13. Lekhanont K, Panday V, **Akpek EK**. Permanent Keratoprostheses. Part V, Special Situations in Corneal Surgery. In: Corneal Surgery, Theory, Technique and Tissue 4th edition. Eds: F Brightbill, P J McDonnell, C N J McGhee. Assoc Ed: A A Farjo. Elsevier. In press.
14. Marangoz D, **Akpek EK**. Behcet Hastaligi. Uveit Kitabi. Akduman L and Aydin P, eds. In press.

Books:

1. **Akpek EK**, Jabs DA (eds). Allergic and Immunologic Diseases of the External Eye. Thieme Medical Publishers, Inc, New York, in preparation.

Other media:

1. **Akpek EK**. Behcet's Disease: an overview. Ocular Immunology website, www.immunology.meei.harvard.edu. January 1997.
2. **Akpek EK**. Peripheral ulcerative keratitis associated with acne rosacea. Ocular Immunology website, www.immunology.meei.harvard.edu. March 1997.
3. **Akpek EK**. Necrotizing scleritis: diagnosis and therapy. Ocular Immunology website, www.immunology.meei.harvard.edu. November 1996.

4. **Akpek EK.** Allergic conjunctivitis. Ocular Immunology website, www.immunology.meei.harvard.edu. May 1998.
5. **Akpek EK.** Conjunctival sebaceous cell carcinoma masquerading as chronic conjunctivitis. Ocular Immunology website, www.immunology.meei.harvard.edu. June 1998.
6. **Akpek EK, Gottsch JD.** Basic immunology. www.yourdoctor.com.
7. **Akpek EK, Weinberg R.** Behcet's disease, Patient Monograph. American Uveitis Society website, www.aus.org
8. Altan-Yaycioglu R, **Akpek EK**, Stark WJ: Improvement of Corneal Opacity in Peters' Anomaly . *The Internet Journal of Ophthalmology and Visual Science*. 2004. Volume 3 Number 1.
<http://www.ispub.com/ostia/index.php?xmlFilePath=journals/ijovs/vol3n1/peter.xml>

Extramural Sponsorship:

Grants:

1999-2000	Unrestricted clinical research grant from Allergan, Inc; Co-Principal Investigator (100% effort); “Topical Cyclosporin in the Treatment of Anterior Segment Inflammatory Diseases” (total cost \$78,000)
2000-2002	Unrestricted clinical research grant from Allergan, Inc; Co-Principal Investigator (90% effort); “Topical Cyclosporin in the Treatment of Atopic Keratoconjunctivitis” (total cost \$142,400)
2003-present	Unrestricted clinical research grant from Allergan, Inc; Co-Investigator (40% effort) (principle investigator Dr. John Gottsch); “Topical Cyclosporin in Treatment of Atopic Keratoconjunctivitis” (total cost \$300,000)
2004	Research to Prevent Blindness, William and Mary Greve special scholar, for “Immunopathology of Atopic Keratoconjunctivitis” (\$ 60,000)
2004-2006	Principal Investigator (20% effort); “Effects of Topical Cyclosporin Therapy in the Immunopathology of Atopic Keratoconjunctivitis” from Allergan, Inc., (\$90,000/year, for 2 years)
2004	Unrestricted research grant from Allergan Inc., Principle Investigator (1% effort). “Clinical Uses of Topical Cyclosporin A: An Evidence Based Review” (\$7,500).
2004	Director’s Discovery Fund, The Wilmer Eye Institute, Principle Investigator (1% effort) “Keratoprosthesis in Children with Congenital Anterior Segment Anomalies” (\$ 10,000)
2004	Unrestricted research grant from National Society Southern Dames of America, Principle Investigator (1% effort) “Keratoprosthesis in Children with Congenital Anterior Segment Anomalies” (\$ 1,000)

2006-2007 Principle Investigator (40% effort); Novel Keratoprosthesis in a Rabbit Model, from WL Gore Assoc., (\$78,000) (40% effort)

EDUCATIONAL ACTIVITIES

Teaching:

Classroom instruction:

1996-1998 Corneal Wound Healing, Immunology Seminars (one-hour lecture, given once a year to the basic scientists and students), Massachusetts Eye and Ear Infirmary, Harvard Medical School.

1996-1998 Clinical Immunology Series (five half-hour lectures) Massachusetts Eye and Ear Infirmary, Harvard Medical School, (see www.uveitis.org for the titles and texts).

2002-2004 Eye and Systemic Disease (one-hour lecture); part of one-week required clerkship for Johns Hopkins medical students.

2002-2005 Clinicopathologic Correlations (two-hour review on conjunctivitis, keratitis, sarcoid and angle closure glaucoma), Eye section of the Year 2 curriculum, Johns Hopkins medical students.

2003-present Cataract, Refractive Surgery and Red Eye (Year 2 and 3 Johns Hopkins Medical Students)

2003-present Residency core lectures (four one-hour lectures per year): Scleritis and Systemic Disease Association, Allergic Conjunctivitis, Conjunctival Surgery for Corneal Disease/Ocular Surface Reconstruction, Ocular Surface Tumors, for Wilmer Eye Institute resident ophthalmologists.

2006-present Cornea, Cataract, External Diseases, Refractive Surgery Bi-Monthly Journal Clubs (for residents as well as Cornea Fellows)

Clinical instruction:

2002-present Clinical preceptorship (eight half-days per year), part of the required one-week clerkship of 3rd and 4th year Johns Hopkins medical students.

2002-present Clinical skills sessions (two-hour hands-on course on ophthalmology examination techniques), 2nd year Johns Hopkins medical student education.

2004-present Clinical Patient Practicum. A two hour practical course on ophthalmology examination techniques, part of required Ophthalmology Clerkship curriculum, 3rd and 4th year Johns Hopkins medical student education.

2002-present Clinical preceptorship (one full day per week at the Wilmer Eye Institute, Johns Hopkins Medical School), 2nd year ophthalmology residents.

2002-present Surgical preceptorship (one half day per week with second year residents, and two full days per month with the 3rd year ophthalmology residents), Wilmer Eye Institute, Johns Hopkins Medical School.

2002-present Surgical and clinical preceptorship, as part of Cornea and External Diseases Fellowship Program (One half day per week in the operating room and one full day per week in the clinic).

Research instruction:

2002-present Research preceptorship, “Clinical/basic research in cornea and external eye disease,” a six-week medical student elective, for Johns Hopkins medical students and foreign medical students (typically one or two medical students during the spring-summer).

2000-present Research preceptorship (research related to allergic and immunologic ocular surface diseases), postdoctoral Fellows, mainly from outside the USA (typically one or two fellows per year).

CME instruction:

2000 Course Instructor, Cornea Day, Wilmer Eye Institute, Baltimore, Maryland

2000-present Course Instructor, annual Wilmer Ophthalmological Institute Clinical Meeting, Baltimore, Maryland.

2001-present Course Instructor in annual “Current Concepts in Ophthalmology” course, Baltimore, Maryland.

2002-present Course Instructor in annual “Ophthalmology for the Medical Practitioner”, Baltimore, Maryland.

2002-present Course Instructor, International Ocular Inflammation Society Meeting, held every other year in various European countries.

2003-present Course Instructor in Biannual Uveitis 2003 Subspecialty Day, in conjunction with the American Academy of Ophthalmology.

2004-present Participant in International Ocular Inflammation Society Continuous Medical Education Program.

Mentoring (Advisees):

2002-2003 Ozge Ilhan-Sarac, MD, former research fellow and currently an academician ophthalmologist in Ankara, Turkey. Awarded Turkish Scientific Council Clinician Scientist Scholarship for “Keratoprosthesis; Artificial Cornea” project.

2003-2004 John Kim, MD. Current Clinical Fellow. He is employed as the “Ophthalmology Residency Program Director” at Albert Einstein Medical Center.

2000-present	Hatice Nida Sen, MD. Former medical student at the Hacettepe University School of Medicine, Ankara-Turkey. Currently Clinical and Research Fellow at the National Institutes of Health.
2000-2001	Rana Altan-Yaycioglu, former Research and Clinical Fellow. Currently an Assistant Professor in Ophthalmology, Baskent University, Adana-Turkey
2002-2002	Ama Doubrofi, Medical Student from Ghana, went into ophthalmology residency in Ghana.
2003-2003	Justin Anderson, Medical Student in Texas, went into ophthalmology residency at New York Eye and Ear Infirmary, New York.
2003	Dong Choe, Undergrad student. Johns Hopkins University.
2004-present	Carly Benner, Undergrad student. Johns Hopkins University. Accepted to Harvard Medical School
2004-present	Parag Parekh, MD, Resident at The Wilmer Eye Institute, 2005- A. E. Maumenee Research Grant Award for “Subluxation of Suture Fixated Intraocular Lenses” 2007-Mitchell Prize 3 rd place. 2006- Richard Green Research Grant Award for “Unilateral Pseudoexfoliation”. Both papers are in print.
2006-present	Anita Gupta, Resident at The Wilmer Eye Institute, 2007 2007-Julia Haller Research Award for “Occult Thyroid Eye Disease in Patients Presenting with Dry Eye Symptoms”.
2005-present	Alena Klimava, Medical student, Johns Hopkins University

Editorial Activities:

1998-present	Scientific Reviewers’ Board, Ophthalmology
2001-present	Ad Hoc Reviewer, Archives of Ophthalmology
2001-present	Ad Hoc Reviewer, British Journal of Ophthalmology
2003-present	Ad Hoc Reviewer, Current Eye Research
2003-present	Ad Hoc Reviewer, American Journal of Ophthalmology
2003-present	Ad Hoc Reviewer, Ophthalmic Epidemiology
2003-present	Ad Hoc Reviewer, BMC Ophthalmology
2003-present	Ad Hoc Reviewer, Investigative Ophthalmology and Visual Sciences
2003-present	Ad Hoc Reviewer, Progress in Retinal and Eye Research
2004-present	Ad Hoc Reviewer, Journal of Ocular Inflammation and Immunology
2004-present	Ad Hoc Reviewer, Cornea
2005-present	Editorial Board Member, Current Drug Therapy
2006-present	Ad Hoc Reviewer, New England Journal of Medicine
2006-present	Ad Hoc Reviewer, Neuro-ophthalmology

2007-present

**Editorial Board Member, Contemporary
ophthalmology**

CLINICAL ACTIVITIES

Certification:

1991-present	Medical License, Turkey (91AB064)
1995-present	Diplomat of the Turkish Board of Ophthalmology
1997-present	Visex PRK-PTK Certificate
1998-present	Chiron Vision LASIK Certification
2002-present	Medical License, Maryland (00D58519)
2003-present	ArgusConnect (keratoprosthesis) Accreditation Certificate

Service Responsibilities:

Holds clinics, two full days per week, at the Cornea Service of the Wilmer Eye Institute. One day per week is devoted to the “Ocular Surface Diseases and Dry Eye Clinic” where patients with allergic and immunologic diseases of the ocular surface (scleritis, keratitis, cicatrizing conjunctivitis, dry eye and ocular surface diseases associated with autoimmune and collagen vascular disorders) are managed. She performs various surgeries, one day per week, to reconstruct the ocular surface in patients with destructive anterior segment problems including lamellar and penetrating keratoplasty, amniotic membrane and scleral grafting, limbal stem cell transplantation and artificial cornea surgery.

Dr. Akpek spends two days per week doing laboratory and clinical research as well as teaching.

ORGANIZATIONAL ACTIVITIES

Professional Societies:

1996-present	American Academy of Ophthalmology
1997-present	Turkish-American Ophthalmologic Society
1996-1999	American Society of Cataract and Refractive Surgery
1996-1999	Contact Lens Association of Ophthalmologists
1997-2000	Massachusetts Medical Society
1997-present	Association for Research in Vision and Ophthalmology
1997-2000	American Medical Association
1997-present	International Ocular Inflammation Society
1998-present	The Cornea Society (formerly Castroviejo Society)
1998-present	American Uveitis Society
2001-present	Pan American Association of Ophthalmology
2003- present	International Society of Dacryology and Dry Eye
2003-present	Tear Film and Ocular Surface Society
2006- present	Keratoprosthesis Study Group
2007-present	Co-Chairperson, Turkish American Ophthalmological Society

Session Chair:

- 2000 Moderator; session title “Genetics,” 3rd International Conference on Cornea, Eye Banking and External Diseases, International Federation of Eye Banks, Istanbul, Turkey, July 2000.
- 2003 Moderator; session title “Regulatory Mechanisms of Ocular Surface Inflammation,” ARVO, Fort Lauderdale, FL, May 2003.
- 2004 Moderator, session title “Advances in Keratoplasty”, AfroAsian Ophthalmological Meeting, Istanbul, Turkey 2004.
- 2004 Co-Moderator, session title “Paper Presentations in Anterior Segment Diseases ”, AfroAsian Ophthalmological Meeting, Istanbul, Turkey 2004.
- 2007 Session Chair; poster session on tear film. 5th International Conference on the Tear Film and Ocular Surface: Basic Science and Clinical Relevance. September, 2007, Italy.

Consultantship:

- 2005-2006 Consultant’s Agreement, W. L. Gore & Associates, Inc., “Keratoprosthesis: Artificial Cornea.”

Administrative Responsibilities:

- 2003-present Delegate, Uveitis Self Assessment Committee, American Academy of Ophthalmology.
- 2003-present Wilmer Eye Institute, Cornea and External Diseases Fellowship program description and curricular activities (created and responsible for updating as needed) and Fellows’ Advocate
- 2004-present Co-Director, Ophthalmology Clerkship Program, Johns Hopkins Medical School
- 2005 Mind/Brain Content Committee, Johns Hopkins University, Medical School
- 2005-present Member, Mitchell Prize Committee, a selection committee to fund outstanding Wilmer resident research
- 2005-present Associate Professor Promotion Committee, The Wilmer Eye Institute, Johns Hopkins Medical School
- 2005-present Clinical Practice Association Committee, The Wilmer Eye Institute.

RECOGNITION

Honors and Awards:

- 1998 Immunology Award, Ocular Immunology and Uveitis Service, Massachusetts Eye and Ear Infirmary, Harvard Medical School

2000	Cora Verhagen Immunology Prize, Association for Research in Vision and Ophthalmology 2000, Fort Lauderdale, FL, for “Induction of Peripheral Ulcerative Keratitis by Adoptive Transfer of Human Corneal Antigen-Synthesized T Lymphocytes”
2001	Honored by Turkish-American Ophthalmologists Society, November 2001, New Orleans
2003	Recipient of “Daughters of Ataturk Award”, for outstanding international Turkish woman.
2004	Achievement Award, American Academy of Ophthalmology.
2004	Selected to be included in “Guide to America’s Top Ophthalmologists” by Consumers’ Research Council of America.
2005	Resident Advocate Award, The Wilmer Eye Institute Residency Training Program
2007	Selected to be included in “Guide to America’s Top Ophthalmologists” by Consumers’ Research Council of America.

Invited Talks:

1. Foster CS, **Akpek EK**. Episcleritis and Scleritis Course. Presented by invitation at the XIth European Society of Ophthalmology Meeting, Budapest, Hungary, June 1997.
2. **Akpek EK**. Scleritis-Episcleritis-Uveitis Course. Presented by invitation at the Annual Meeting of American Society of Ophthalmic Registered Nurses, in association with 102nd American Academy of Ophthalmology Meeting, New Orleans, November 1998.
3. **Akpek EK**, Foster CS. Limbal stem cell transplantation. Presented by invitation at the Annual Fellows’ Course of Massachusetts Eye and Ear Infirmary, Harvard Medical School, “Surgical Advances in Ophthalmology,” Boston, February 1998.
4. **Akpek EK**. Ocular surface malignancies presenting as chronic conjunctivitis: sasquerade syndrome. Presented by invitation at the Cornea Day, The Wilmer Eye Institute, Johns Hopkins Hospital, Baltimore, January 1999.
5. **Akpek EK**. Corneal gene expression and graft rejection. Presented by invitation at the session entitled “Genetics,” 3rd International Conference on Cornea, Eye Banking and External Diseases, International Federation of Eye Banks, Istanbul, Turkey, July 2000.
6. **Akpek EK**. Refractive surgery marketing. Presented by invitation at the Current Concepts in Ophthalmology, Baltimore, December 2000.
7. **Akpek EK**. Therapeutic algorithm for herpes virus keratitis. Presented by invitation at the session entitled “Advances in Ocular Infectious Diseases Symposium,” XIII Congress of the European Society of Ophthalmology, Istanbul, Turkey, June 2001.
8. **Akpek EK**. Biology of limbal stem cells and therapeutic applications. Presented by invitation at the session entitled “Ocular Surface Disease and Its Management,” XIII Congress of the European Society of Ophthalmology, Istanbul, Turkey, June 2001.

9. **Akpek EK.** Scleritis and systemic disease association. Presented by invitation as a “Keynote Lecture” at the Turkish-American Ophthalmologists Society Meeting in conjunction with American Academy of Ophthalmology Meeting, New Orleans, November 2001.
10. **Akpek EK.** Clinical uses of topical cyclosporin A. Presented by invitation at the session entitled “Cyclosporin,” 7th Congress of the International Ocular Inflammation Society, Padua, Italy, May 2003.
11. **Akpek EK.** Keratoprosthesis: Patient Selection, Surgical Technique and Outcomes”, AfroAsian Ophthalmology Meeting, Istanbul Turkey, June 2004.
12. **Akpek EK.** Second Update on Ocular Infectious Disease. May 21-22, 2004. Johns Hopkins Hospital, Baltimore, Maryland.
13. **Akpek EK.** Scleritis and systemic disease association. Georgetown University Grand Rounds, November 2004, Washington DC.
14. **Akpek EK.** Serpiginous choroiditis and Multifocal Choroiditis: An Evidence-Based Review of Treatment, Uveitis Symposium, Annual American Academy of Ophthalmology Meeting, New Orleans, 2004.
15. **Akpek EK.** Stevens Johnson Syndrome and Graft versus Host Disease. Uveitis Subspecialty Day, Annual American Academy of Ophthalmology Meeting, Chicago, 2005.
16. **Akpek EK.** “Update in cornea and external disease.” Women in Ophthalmology Annual Retreat, Aspen, CO, July 2005.
17. **Akpek EK.** Cataract surgery in uveitis patients. TOD-AAO Panel at the TOD 39th Annual National Ophthalmology Congress, September 2005 Turkey.
18. Roh M, **Akpek EK.** Basic ophthalmological examination. TOD-AAO Basic Skills Course at the TOD 39th Annual National Ophthalmology Congress, September 2005, Antalya, Turkey.
19. **Akpek EK.** Keratoprosthesis for pediatric cases. 6th KPro Study Group Meeting, Miami, Florida, May 2006.
20. **Akpek EK.** Current concepts on dry eye diagnosis and treatment. Maryland Society of Eye Physicians and Surgeons. October 13, 2006, Baltimore, MD.
21. Parekh P, **Akpek EK.** Infiltrates and inflammatory ulcers of the cornea. JCAHPO, November 2007, Las Vegas, NA.
22. **Akpek EK.** Keratoprosthesis in High Risk Corneal Transplantation Patients. Advances in Anterior Segment Surgery. Sponsored by U.S. Army Medical Command, hosted by Walter Reed Army Medical Center, Uniformed Services University of the Health Sciences. March, 2007, Bethesda, MD.
23. **Akpek EK.** Management and Update of Dry Eye Inflammation. Current Concepts in Ophthalmology, A Forum for Global Ophthalmic Innovators Meeting, Cataract Surgery-Cornea Session, April, 2007, Baltimore, MD.
24. **Akpek EK.** New Approaches to Ocular Surface Diseases. Advances in Ophthalmology. Maryland Society of Eye Physicians and Surgeons, 2007 Annual Scientific Assembly, May 2007, Baltimore, MD.
25. **Akpek EK.** Keratoprosthesis: History, Patient Selection, Techniques and Results. Advances in Ophthalmology. Maryland Society of Eye Physicians and Surgeons 2007 Program for Ophthalmic Medical Personnel May 2007, Baltimore, MD.

26. **Akpek EK.** Dry eye and systemic disease association. 5th International Conference on the Tear Film and Ocular Surface: Basic Science and Clinical Relevance, Italy 2007.

Invited Reviews, Editorials:

- 1- **Akpek EK,** Ilhan-Sarac O. New treatments in serpiginous choroiditis. **Curr Opin Ophthalmol**, 2003 ;14:128-31.
- 2- Ilhan-Sarac O, **Akpek EK.** Atopic keratoconjunctivitis: Current Thinking and Treatment, International Ocular Inflammation and Immunology Society Newsletter, summer 2004.
- 3- Ilhan-Sarac O, **Akpek EK.** Current concepts and techniques in keratoprosthesis. **Curr Opin Ophthalmol** 2005;16:246-50.
- 4- Suh LH, **Akpek EK.** Stevens Johnson Syndrome. International Ocular Inflammation and Immunology Society Newsletter, summer 2005.