

CURRICULUM VITAE

Venkateswara Vinod Mootha, MD

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EDUCATION:

1988	B.S.	Baylor University, Waco, Texas
1993	M.D.	Johns Hopkins University School of Medicine, Baltimore, Maryland

POSTDOCTORAL TRAINING:

1993-1994	Transitional Internship, St. Joseph's Hospital, Houston, Texas
1994-1997	Ophthalmology Residency, University of Wisconsin, Madison, Wisconsin
1998-1999	Cornea, External Disease, and Keratorefractive Surgery Fellowship, Southwestern Medical Center, Dallas, Texas

ACADEMIC PROFESSIONAL EXPERIENCE:

1987-1988	Undergraduate Teaching Assistant, Department of Biology, Baylor University
1997-Present	Volunteer Consultant Ophthalmologist, Srikirana Institute of Ophthalmology, Kakinada, Andhra Pradesh, India
1999-2004	Assistant Professor, Department of Surgery/Division of Ophthalmology, University of New Mexico Health Sciences Center, Albuquerque, NM
1999-2004	Director of Cornea, External Disease, and Refractive Surgery, Department of Surgery/Division of Ophthalmology, University of New Mexico Health Sciences Center, Albuquerque, NM
1999-2004	Attending Physician, Veterans Administration Medical Center, Albuquerque, NM
2004-2012	Associate Professor, Department of Ophthalmology, University of Texas, Southwestern Medical Center, Dallas, Texas
2010-Present	Secondary Appointment, McDermott Center of Human Growth and Development, University of Texas, Southwestern Medical Center, Dallas, Texas
2013-Present	Professor, Department of Ophthalmology, University of Texas, Southwestern Medical Center, Dallas, Texas

OTHER EXPERIENCES AND PROFESSIONAL MEMBERSHIPS:

2004-Present Associate Examiner, American Board of Ophthalmology

2013 Reviewer, Diseases and Pathophysiology of the Visual System Study Section, National Eye Institute, NIH Early Career Reviewer Program, June 16-18, 2013

AWARDS AND HONORS:

1985 Co-Valedictorian , Monsignor Kelly High School, Beaumont, Texas

1988 Phi Beta Kappa, Baylor University

1988 Summa Cum Laude, Baylor University

1988 Highest Ranking Graduate with 4.0 G.P.A., Baylor University

1996-1997 Academic Co-Chief Resident, University of Wisconsin

1996-1998 Humanitarian Award for Volunteer Eye Care Work in India from Manjari Sankurathri Memorial Foundation, Ottawa, Canada, August 1998

2000 Achievement Award from United States Eye Injury Registry for Work as Medical Director of New Mexico Eye Injury Registry, November 10, 2001

2000 Special Contribution Award for Providing Scarce Corneal Transplant Service for Veteran Affairs Medical Centers in West Texas and New Mexico, New Mexico VA Health Care System, Albuquerque, September 15, 2000

2003 Certificate of Appreciation for Volunteer Eye Screening Projects in New Mexico from New Mexico Lions Eye Foundation, April 5, 2003

2004 Five Year Service Award, University of New Mexico Health Sciences Center School of Medicine, August 16, 2004

2004 Certificate of Appreciation, American Board of Ophthalmology, For Participation as an Associate Examiner of the American Board of Ophthalmology, December 2004

2005 Apple for the Teacher, Faculty Teaching Excellence Award for Phase III, Academic Year 2003-2004, Education Council, University of New Mexico HSC School of Medicine, presented May 12, 2005

2006 Appreciation Award, Sankurathri Foundation and Srikan Institute of Ophthalmology, For Contribution Towards the Prevention of Blindness, Kakinada, Andhra Pradesh, India, presented January 21, 2006

2009 Member with Thesis of The Cornea Society, August 14, 2009

2010 Five Year Service Award, Ophthalmology Department, University of Texas, Southwestern Medical Center, June 26, 2010

APPOINTMENTS:

1999-2004 Director of New Mexico Eye Injury Registry, Albuquerque, New Mexico

2000-2004	Board of Directors, Eye Foundation of America, Morgantown, West Virginia
2001-2004	Medical Director, New Mexico Lions Eye Bank, Albuquerque, New Mexico
2001-2004	Medical Director, Lions Eye Bank of District 2T-1, Amarillo, Texas
2002-2004	Member at Large, American Society of Ocular Trauma, Birmingham, Alabama
2003-2004	Medical Director, New Mexico Lions Eye Foundation, Albuquerque, New Mexico
2010-2014	Board of Directors, Dallas Academy of Ophthalmology

LICENSURE AND CERTIFICATION:

1997	VISX PRL Certification
1998	Texas Medical License Registration
1999	C-LASIK Certification

BOARD CERTIFICATION:

2000	American Board of Ophthalmology
2010	American Board of Ophthalmology (Recertification)

HOSPITAL APPOINTMENTS

St. Paul University Hospital, Dallas, Texas
 Zale Lipshy University Hospital, Dallas, Texas
 Children’s Medical Center, Dallas, Texas
 Parkland Memorial Hospital, Dallas, Texas
 Dallas VA Medical Center, Dallas, Texas

AD HOC JOURNAL REVIEWER:

JAMA Ophthalmology, 2004 to Present.
 Eye & Contact Lens, 2006 to Present.
 Cornea, 2007 to Present.
 American Journal of Ophthalmology, 2011 to Present.
 Survey of Ophthalmology, 2013 to Present.
 Ophthalmology, 2013 to Present.

MEMBERSHIPS IN PROFESSIONAL SOCIETIES:

1. American Academy of Ophthalmology (1996- Present)
2. American Society of Cataract and Refractive Surgery (1995-2010)
3. Ocular Microbiology and Immunology Group (1996-1999)
4. Association for Research in Vision and Ophthalmology (1999-Present)
5. New Mexico Ophthalmologic Society (2000-2004)
6. Eye Bank Association of America/ Paton Society (2001-Present)
7. Eye Bank Association of America International Relations Committee (2002 – 2004)
8. New Mexico Lions Eye Foundation Medical Director and Board of Trustees (2003- 2004)
9. Eye Bank Association of America Research Committee (2005-2007)
10. Dallas Academy of Ophthalmology (2005-Present)

PUBLICATIONS: *Denotes Corresponding Author

1. **Mootha VV***, Cowden TP, Sires BS, & Dortzbach RK. Subperiosteal Orbital Hemorrhage from Retrobulbar Injection Resulting in Blindness. *Archives of Ophthalmology*. 1997; 115:123-124.
2. Levin LA & **Mootha VV**. Postprandial Transient Visual Loss: A Symptom of Critical Carotid Stenosis. *Ophthalmology*. 1997; 104: 397-401.
3. **Mootha VV***, Schluter ML, Das A. Intraocular Hemorrhages Due to Warfarin- Fluconazole Drug Interaction in a Patient with Presumed Candida Endophthalmitis. *Archives of Ophthalmology*. 2002; 120:94-95.
4. Ogirala GK, Davids HR, Raju VK, & **Mootha VV***. Nematode in Anterior Chamber. *Archives of Ophthalmology*. 2003; 121:1338-1339.
5. Rhee M, **Mootha VV***. Bilateral Keratoconjunctivitis associated with Lichen Planus. *Cornea*. 2004; 23(1):100-105.
6. **Mootha VV***, Dawson D, Gleiser J, Qualls C, Albert DM. Slit Lamp, Specular, and Light Microscopic Findings of Human Donor Corneas after Laser In Situ Keratomileusis. *Archives of Ophthalmology*. 2004; 122: 686-692.
7. **Mootha VV***, Dawson D, Gleiser J, Albert DM: Microbial Keratitis Identified During Eye Bank Screen of Corneoscleral tissue harvested from patients with Laser In Situ Keratomileusis History. *Archives of Ophthalmology*. 2004; 122(7):1058-60.
8. **Mootha VV***, Pingree M, Jaramillo J. Pterygia with Deep Corneal Changes. *Cornea*. 2004; 23(6): 635-38.
9. **Mootha VV***, Tesser R, Qualls C: Incidence, Risk Factors, and Management of Residual Posterior Capsule Opacity after Cataract Surgery. *Journal of Cataract and Refractive Surgery*. 2004; 30(11): 2354-8.
10. **Mootha VV***, Qualls C: Predictive Value of Slitlamp Examinations in Screening Donor Corneas for Prior Refractive Surgery—reply to Letter to Editor. *Archives of Ophthalmology*. 2005 May; 123(5):708-9.
11. Wamsley S, Patel SM, Wood MG, Albert DM, **Mootha VV***. Advanced Keratomalacia in an Infant with Cystic Fibrosis. *Archives of Ophthalmology*. 2005 July; 123(7):1012-6.
12. Gamm D, Harris A, Mehran RJ, Wood M, Foster CS, **Mootha VV***. Mucous Membrane Pemphigoid with Fatal Bronchial Involvement in a Seventeen-Year-Old-Girl. *Cornea*. May; 25 2006(4):474-8.
13. Hu MY, McCulley JP, Cavanagh HD, Bowman RW, Verity SM, **Mootha VV**, Petroll WM. Comparison of the Corneal Response to Laser In Situ Keratomileusis with Flap Creation using the FS15 and FS30 Femtosecond Lasers: Clinical and Confocal Microscopy Findings. *J. Cataract Refract Surgery*. 2007 April; 33(4); 673-81.
14. Awwad ST, Dwarakanathan SR, Bowman RW, Cavanagh HD, Verity SM, **Mootha VV**, McCulley JP. Intraocular Lens Power Calculation after Radial Keratotomy; Estimating the Refractive Corneal Power. *J. Cataract Refract Surgery*. 2007 June; 33 (6): 1045-50.
15. Awwad ST, Manasseh C, Bowman RW, Cavanagh HD, Verity S, **Mootha VV**, McCulley JP. Intraocular Lens Power Calculation after Myopic Laser in Situ Keratomileusis: Estimating the Corneal Refractive Power. *J. Cataract Refractive Surgery*. 2007 June; 33(6):1045-1050.

16. Arey ML, **Mootha VV**, Whittemore AR, Chason, DP, Blomquist PH. Computed Tomography in the Diagnosis of Occult Open Globe Injuries. *Ophthalmology*. 2007 Aug; 114(8):1448-52.
17. Witherspoon SR, Hogan RN, Petroll WM, **Mootha VV***. Slitlamp, Confocal, and Light Microscopic Findings of Corneal Siderosis. *Cornea*. 2007 Dec; 26 (10):1270-2.
18. Di Pascuale MA, Whitson JT, **Mootha VV***. Corneal Melting after use of Nepafenac in a Patient with Chronic Cystoid Macular Edema after Cataract Surgery. *Eye Contact Lens*. 2008 March; 34 (2):129-130.
19. Petroll WM, Bowman RW, Cavanagh HD, Verity SM, **Mootha VV**, McCulley JP. Assessment of Keratocyte Activation following LASIK with Flap Creation using the Intralase FS60 Laser. *J Refract Surg*. 2008 Oct; 24(8):847-9.
20. Prasher P, Muftuoglu O, **Mootha VV**. Traumatic Graft Dehiscence after Anterior Lamellar Keratoplasty. *Cornea*. 2009 February; 28(2):240-242.
21. **Mootha VV***, Kanoff JM, Shankardas J, Dimitrijevic SD. Marked Reduction of Alcohol Dehydrogenase Gene Expression in Keratoconus Corneal Fibroblasts. *Molecular Vision*. 2009; 15:706-12.
22. Muftuoglu O, Prasher P, Chu C, **Mootha VV**, Verity SM, Cavanagh HD, Bowman RW, McCulley JP. Laser in Situ Keratomileusis for Residual Refractive Errors After Apodized Diffractive Multifocal Intraocular Lens Implantation. *J. Cataract Refractive Surgery*. June 2009; 35(6):1063-71.
23. Pachigolla G, Prasher P, Di Pascuale MA, McCulley JP, McHenry JG, **Mootha VV***. Evaluation of the Role of ProKera in the Management of Ocular Surface and Orbital Disorders. *Eye Contact Lens*. 2009 Jul; 35(4):172-5.
24. Prasher P, Muftuoglu O, Bowman RW, McCulley JP, Petroll M, Cavanagh HD, **Mootha VV***. Tandem Scanning Confocal Microscopy of Cornea after Descemet's Stripping Automated Endothelial Keratoplasty. *Eye Contact Lens*. 2009 Jul; 35(4):196-202.
25. Prasher P, Muftuoglu O, Hsiao ML, Hogan RN, Bowman RW, **Mootha VV***. Epithelial Downgrowth After Descemet Stripping Automated Endothelial Keratoplasty. *Cornea*. 2009 July; 28(6):708-11.
26. Di Pascuale MA, Prasher P, Schlecte C, Arey M, Bowman RW, Cavanagh HD, McCulley JP, **Mootha VV***. Corneal Deturgescence After Descemet Stripping Automated Endothelial Keratoplasty Evaluated by Visante Anterior Segment OCT. *Am J Ophthalmol*. 2009 Jul; 148(1):32-7.
27. Mohamed EM, Wojtowicz JC, Bowman W, Cavanagh D, **Mootha VV**, Verity S, McCulley JP. Corneal Thickness Association With Ocular and Corneal High-Order Aberrations. *Eye Contact Lens*. 2009 Nov; 35(6):297-301.
28. Mohamed E, Muftuoglu O, Bowman RW, Cavanagh HD, **Mootha VV**, Radwan G, McCulley JP. Wavefront-guided Ablation Retreatment Using Iris Registration, *Eye Contact Lens*. 2010 Jan; 36(1):54-9.
29. Muftuoglu O, Prasher P, Bowman RW, McCulley JP, **Mootha VV***. Corneal Higher-Order Aberrations after Descemet Stripping Automated Endothelial Keratoplasty. *Ophthalmology*. 2010 May; 117(5):878-884.
30. Allen MB, Lieu P, **Mootha VV**, Bowman RW, Petroll WM, Tong L, Kooner KK, Cavanagh HD, Whitson JT, Aggarwal NK. Risk Factors for Intraocular Pressure Elevation After Descemet Stripping

Automated Endothelial Keratoplasty. *Eye & Contact Lens*. 2010 July; 36(4):223-7.

31. Prasher P, Muftuoglu O, Bowman RW, Cavanagh HD, McCulley JP, **Mootha VV***. Corneal Power Measurements with the Pentacam Scheimpflug Imaging System after Descemet Stripping Automated Endothelial; Keratoplasty. *J. Cataract Refractive Surgery*. 2010 Aug; 36(8):1358-64.
32. Wojtowicz JC, Arciniega JC, McCulley JP, **Mootha VV**. Effect of Systane and Optive on Aqueous Tear Evaporation in patients with Dry Eye Disease. *Eye Contact Lens*. 2010 Nov; 36(6):358-60.
33. Muftuoglu O, Dao L, Verity S, **Mootha VV**, Bowman RW, McCulley JP. Apodized Diffractive Intraocular Lens Implantation After LASIK with or without Subsequent Excimer Laser Enhancement. *J. Cataract Refractive Surgery*. 2010 Nov; 36(11):1815-21.
34. Niknam S, Rajabi MT, **Mootha VV**, Shahrzad, SS, Rajabi MB, Zazhi, GY, Shifting bubble sign, a useful tip in manual dissection of deep anterior lamellar keratoplasty, *Int J Ophthalmology*, 2011;11(3):388-389.
35. **Mootha VV***, Heck E, Verity SM, Petroll WM, Bowman RW, McCulley JP, Cavanagh HD. Comparative Study of DSAEK Donor Preparation by Moria ALTK Microkeratome, Horizon Microkeratome, and Intralase FS 60. Submitted to *Cornea* in partial fulfillment of requirements for membership in the Cornea Society. *Cornea*. 2011 Mar; 30(3):320-4.
36. Ali ZK, Whitson JT, **Mootha VV**, Witherspoon SR, Joseph JA, Joseph AM, Hynan LS, Cavanagh HD. Glaucoma in patients with Corneal Endothelial Dystrophy. *Eye Contact Lens*. 2011 Nov; 37(6):332-6.
37. Ali Z, Whitson J, **Mootha VV**, Witherspoon SR, Joseph A, Hyman L, Cavanagh D, Glaucoma in patients with corneal endothelial dystrophy. *Eye & Contact Lens*. 2011 Nov;37(6):332-6.
38. Mootha VV and the **Fuchs' Genetics Multi-center Study Group**, Louttit MD, Kopplin LJ, Igo, Jr RP, etal. A multi-center study to map genes for Fuchs' Endothelial Corneal Dystrophy: Baseline Characteristics and Heritability. A Multicenter Study to map genes for Fuchs' Endothelial Corneal Dystrophy: baseline characteristics and heritability. *Cornea*. 2012 Jan; 31(1):26-35.
39. Mootha VV and the **Fuchs' Genetics Multi-center Study Group** Kopplin LJ, Przepyszny K, Schmotzer B, etal: Relationship of Fuchs Endothelial Corneal Dystrophy Severity to Central Corneal Thickness. *Archives of Ophthalmology*. 2012 April; 130 (4):433-438.
40. **Mootha VV**, Shahinpoor P, Sutton DA, Xin L, Najafzadeh MJ, de hoog GS, Identification problems with Sterile Fungi, illustrated by a Keratitis due to a Non-Sporulating Chaetomium-like species. *Med Mycol*. 2012 May; 50(4):361-7.
41. Mootha VV and the **Fuchs' Genetics Multi-center Study Group**, Igo RP Jr., Kopplin, LJ, Joseph P, etal, Differing Roles for TCF4 and COL8A2 in Central Corneal Thickness and Fuchs Endothelial Corneal Dystrophy, *PLOS One*, 2012 October; Volume 7, Issue 10, e46742.
42. Mootha VV and the **Fuchs' Genetics Multi-center Study Group**, Nagarsheth M, Singh A, Schmotzer B, Babineau DC, Sugar J, etal. Relationship Between Fuchs' Endothelial Corneal Dystrophy Severity and Glaucoma and or Ocular Hypertension. *Archives of Ophthalmology*. 2012 Nov;130(11):1384-8.
43. Anwar DS, Chu CY, Prasher P, Dai E, Bowman RW, **Mootha VV***, Features of Urrets-Zavalía Syndrome Following Descemet Stripping Automated Endothelial Keratoplasty, *Cornea*. 2012 Nov;31 (11):1330-4.
44. Kim SY, Muftuoglu O, Hogan N, Bowman RW, Cavanagh DH, McCulley JP, **Mootha VV***.

Histopathology and Spectral Domain OCT Findings of Pneumatic-Assisted Dissection in DALK. Cornea. 2012 Nov;31(11):1288-93.

45. Kruger MM, **Mootha VV***, First Report of Traumatic Globe Rupture After Femtosecond Laser-Assisted Penetrating Keratoplasty. Cornea. 2012 Dec;31(12):1504-6
46. Mootha VV and the **Fuchs' Genetics Multi-center Study Group**, Verhoeven VJ, Hysi PG, Wojciechowski R, Fan Q, Guggenheim JA, Höhn R, MacGregor S, Hewitt AW, Nag A, Cheng CY, et al. Genome-wide meta-analyses of multi-ancestry cohorts identify multiple new susceptibility loci for refractive error and myopia. Nat Genet. 2013 Mar;45(3):314-8.
47. Muftuoglu O, Toro P, Hogan RN, Bowman RW, Cavanagh HD, McCulley JP, **Mootha VV***, Sarnicola V, Sarnicola Air-visco Bubble Technique in Deep Anterior Lamellar Keratoplasty. Cornea. 2013 Apr;32(4):527-3
48. Zhang X, Igo, Jr, RP, Fondran J, **Mootha VV**, Oliva M, Hammersmith K, Sugar A, Lass JH, Iyengar SK for the Fuchs' Genetics Multi-Center Study Group. Association of Smoking and Other Risk Factors on with Fuchs' Endothelial Corneal Dystrophy Severity and Corneal Thickness. Invest Ophthalmol Vis Sci. 2013 Aug 27;54 (8):5829-35.
49. Mootha VV and the **Fuchs' Genetics Multi-center Study Group**, Cheng CY, Schache M, Ikram MK, Young TL, Guggenheim JA, Vitart V, MacGregor S, Verhoeven VJ, Barathi VA, Liao J, Hysi PG, Bailey-Wilson JE, St Pourcain B, Kemp JP, McMahon G, Timpson NJ, Evans DM, et al. Nine loci for ocular axial length identified through genome-wide association studies, including shared loci with refractive error. Am J Hum Genet. 2013 Aug8;93(2):264-77
50. **Mootha VV***, Gong X, Ku H-C, Xing C. Association and Familial Segregation of *TCF4* Gene Polymorphisms CTG18.1 and [rs613872](#) in Fuchs' Dystrophy. IOVS. 2014 Jan 2;55(1):33-42.
51. Ali Z, Xing C, Anwar D, Itani K, Weakley D, Gong X, Pascual JM, **Mootha VV***. A Novel De Novo *KIF21A* Mutation in a patient with Congenital Fibrosis of the Extraocular Muscles, and Mobius Syndrome. Molecular Vision 2014 Mar.28;20:368-75.
52. Anwar D, Kruger M, **Mootha VV***. Blunt Scissors Dissection for Deep Anterior Lamellar Keratoplasty After Failed Big Bubble Attempt. Clinical Ophthalmology. In Press

ABSTRACTS, POSTERS, AND PAPER PRESENTATIONS:

1. Mootha VV & Barney NP: Cases of Bilateral Ocular Herpes Simplex Virus. Abstract presented at University of Wisconsin Annual Postgraduate Conference and Alumni Day on April 12, 1995.
2. Mootha VV: Sushruta: Indian Surgeon and Ophthalmologist of the Vedic Period. Abstract presented at University of Wisconsin Annual Postgraduate Conference and Alumni Day on February 3, 1996.
3. Mootha VV, Burns CA, & Brightbill FS: Conjunctival Ulcers. Abstract presented at Thirtieth Annual Meeting of the Ocular Microbiology and Immunology Group on October 26, 1996.
4. Mootha VV, Gokmen F, McCulley JP, Petroll M, Jester JV, Cavanagh HD: Use of In-Vivo Confocal Microscopy in Measuring Corneal Flap Thickness after LASIK. Abstract 2119 presented at 1999 Association for Research in Vision and Ophthalmology Annual Meeting, Ft Lauderdale FA.
5. Mootha VV: Srikanth Institute of Ophthalmology: A Model of Eye Care Delivery in the Developing World. Abstract presented at Volunteer Eye Surgeons Association during 1999 American Academy of Ophthalmology Annual Meeting.
6. Mootha VV: Use of Eye Protection: Comparison between New Mexico and the United States, New

- Mexico Eye Injury Registry Informational Poster presented at 2000 American Academy of Ophthalmology Annual Meeting, Dallas, Texas.
7. Mootha VV: Age and Sex Distribution of Patients with Eye Injuries. New Mexico Eye Injury Registry Poster presented at the 2001 American Academy of Ophthalmology Annual Meeting, New Orleans, LA.
 8. Mootha VV: Screening Donor Corneas that have undergone LASIK using Specular and Slit Lamp Biomicroscopy. Paper presented at 40th Annual Scientific Session of Eye Bank Association of America, November 10, 2001, New Orleans, LA.
 9. Tesser RA, Mootha V: Abstract 432, Incidence, Classification, and Management of Residual Capsular Opacity. Poster presented at The Association for Research in Vision and Ophthalmology Annual Meeting, May 5, 2002, Fort Lauderdale, FL.
 10. Pingree MF, Mootha V: Abstract 126, Pterygium with Underlying Endothelial and Descemet's Membrane Changes. Poster presented at The Association for Research in Vision and Ophthalmology Annual Meeting, May 5, 2002, Fort Lauderdale, FL.
 11. Mootha VV: Cicatricial Entropion in a Young Woman. Paper presented at the 7th Annual C.S. Foster Fellows Meeting, The Association for Research in Vision and Ophthalmology Annual Meeting, May 5, 2002, Fort Lauderdale, FL.
 12. Tesser R, Mootha VV: Incidence, Classification, and Management of Residual Capsular Opacity. Paper presented at Resident's Day, Medical College of Wisconsin, June 14, 2002, Milwaukee, WI.
 13. Pingree M, Mootha VV: Pterygium with Underlying Endothelial and Descemet's Membrane Changes. Paper presented at Resident's Day, Medical College of Wisconsin, June 14, 2002, Milwaukee, WI.
 14. Mootha VV: Donor Corneas One Week after LASIK. Paper presented at the 2002 Annual Meeting of the Eye Bank Association of America, June 22, 2002, Ponte Vedra Beach, FL.
 15. Mootha VV: New Mexico Eye Injury Registry, Informational Poster presented at the 2002 American Academy of Ophthalmology Annual Meeting, Orlando, FL.
 16. Mootha VV, Schluter, ML: Ocular Trauma from Gun Injuries, Informational Poster presented at the 2003 American Academy of Ophthalmology Annual Meeting, November 15-18, 2003, Anaheim, CA.
 17. Mootha VV: Slit Lamp, Specular, and Light Microscopic Findings of Donor Corneas after LASIK. Paper presented at Federated Scientific Session of Eye Bank Association of America, November 15, 2003, Anaheim, CA.
 18. Mootha VV, Shahinpoor P, Sutton D: Papulaspora Keratitis: First Reported Human Case and Antifungal Susceptibility Data. Poster presented at the 5th International Symposium on Ocular Pharmacology and Therapeutics, March 13, 2004, Monte Carlo, Monaco.
 19. P.W. Truitt, G.S.H. Ogawa, D. Cuevas, G. Zamora, V.V. Mootha, B. Raman, P. Harrison, L.J. Otten, P. Soliz: Abstract 2860, Characterization of LASIK-modified Donor Corneas with a Distorted Grating-based Wavefront Sensor. Abstract 2860, Poster presented at The Association for Research in Vision and Ophthalmology Annual Meeting, April 27, 2004, Fort Lauderdale, FL.
 20. Mootha VV, John T, John A: Abstract 4877, Light and Ultrastructural Analysis of Human Corneas Following LASIK. Poster presented at The Association for Research in Vision and Ophthalmology Annual Meeting, April 29, 2004, Fort Lauderdale, FL.
 21. Mootha VV, Suarez A: Abstract 948, Recurrent Pterygia with Cilia. Poster presented at The Association for Research in Vision and Ophthalmology Annual Meeting, May 1, 2005, Fort Lauderdale, FL.
 22. Arey ML, Mootha VV, Whittemore AR, Chason DP, Blomquist PH, Computed Tomography in the Diagnosis of Occult Open Globe Injuries. Abstract 3967, Poster presented at The Association for Research in Vision and Ophthalmology Annual Meeting, May 3, 2006, Fort Lauderdale, FL.
 23. Fedyk A., Mootha VV, A Retrospective Review of ReSTOR IOL Surgeries, Annual Resident & Alumni Day, University of Texas Southwestern Medical Center, June 10, 2006.
 24. Mootha VV, Muftuoglu O, Prasher P, McCulley JP, Bowman RW, Verstringhe L, Changes in Anterior and Posterior Corneal Higher Order Aberrations After Ocular Wavefront-Guided Myopic LASIK with Iris Registration. Poster presented at ASCRS Symposium on Cataract, IOL and Refractive Surgery, April 4-9, 2007, Chicago, IL.
 25. Mootha VV, Jafari M, Cavanagh HD, Lakshman N, Petroll WM. In-Vivo Quantitative Assessment of Ophthalmic Viscosurgical Device Retention Following Phacoemulsification Surgery. Paper Presented at ASCRS Symposium & Congress. May 1, 2007, San Diego, CA.
 26. Kanoff JM, Shankardas J, Dimitrijirich SD, Mootha VK, Hogan RN. Mootha VV. Detection of Prion Protein PrPc in the Human Cornea. Poster 1846 presented at The Association of Research in Vision and Ophthalmology Annual Meeting, May 6, 2007, Fort Lauderdale, FL.

27. Pascuale MA, Arey M, Prasher P, Bowman RW, Cavanagh HD, McCulley JP, Mootha VV. Early Corneal Changes after Descemet's Stripping Automated Endothelial Keratoplasty (DSAEK) Evaluated by Visante™ Anterior Segment OCT. Paper 1130 presented at The Association of Research in Vision and Ophthalmology Annual Meeting, May 7, 2007, Fort Lauderdale, FL.
28. Mootha VV, Kanoff J, Shankardas J, Prasher P, Mootha VK, Dimitrijirich SD. Marked Reduction of ADH1B in Gene Expression in Keratoconus Fibroblasts. Poster 1846 presented at The Association of Research in Vision and Ophthalmology Annual Meeting, May 7, 2007, Fort Lauderdale, FL.
29. Arey ML, Di Pascuale MA, Bowman RW, McCulley JP, Mootha VV. Early Experience with DSEK in Patients with Corneal Endothelial Dysfunction: Clinical Outcomes and Diagnostic Imaging Analysis. Poster presented at ASCRS Symposium & Congress. May 2007, San Diego, CA.
30. Mootha VV, Heck E, Verity SM, Petroll WM, Bowman RW, McCulley JP, Cavanagh HD. DSEK Donor Preparation by Moria CBM, Horizon, and Intralase FS. Cornea Society /Eye Bank Association of America. Fall Educational Symposium Schedule. November 9, 2007, New Orleans, LA.
31. Pachigolla G, Prasher P, Di Pascuale, MA, McCulley JP, Bowman RW, Mootha VV. Evaluation of the Role of Prokera in the Management of Ocular Surface Disorders. American Academy of Ophthalmology Annual Meeting, Poster Presentation, November 11, 2007, New Orleans, LA.
32. Prasher P, Muftuoglu O, Hsiao ML, Petroll M, Bowman RW, McCulley JP, Mootha VV. Corneal Interface Morphology after Descemet's Stripping Endothelial Keratoplasty by In Vivo Confocal Microscopy, Poster presentation, ASCRS Symposium & Congress, April 2008, Chicago, IL.
33. Fedyk AR, McCulley JP, Mootha VV, Bowman RW. Clinical Outcomes after Presbyopic-Correcting IOL surgery in patients with prior Keratorefractive surgery at UT Southwestern Medical Center, Poster presentation, ASCRS Symposium & Congress, April 2008, Chicago, IL.
34. Hsiao, ML, Prasher P, Bowman RW, McCulley JP, Mootha VV, Early Experience with Descemet Stripping Automated Endothelial Keratoplasty combined with Phacoemulsification: Clinical and Refractive Outcome, Poster presentation, ASCRS Symposium & Congress, April 2008, Chicago, IL.
35. Chu C, Prasher P, Dai E, Bowman RW, Mootha VV, Urrets-Zavalía Syndrome following Descemet Stripping Endothelial Keratoplasty, Poster presentation, ASCRS Symposium & Congress, April 2008, Chicago, IL.
36. Muftuoglu O, Prasher P, McCulley JP, Mootha VV, Bowman RW, Verstringhe L, Changes in Anterior and Posterior Corneal Higher Order Aberrations after Ocular Wavefront-Guided Myopic LASIK with Iris Registration, Poster presentation, ASCRS Symposium & Congress, April 2008, Chicago, IL.
37. Prasher P, Muftuoglu O, McCulley JP, Bowman RW, Mootha VV. Anterior and Posterior Corneal Higher Order Aberrations after DSAEK, Paper Presentation, Association for Research in Vision and Ophthalmology Annual Meeting, April 28 2008, Ft. Lauderdale, FL.
38. Hsiao ML, Prasher P, Hogan RN, McCulley JP, Bowman RW. Mootha VV, Histopathology of Descemet's Stripping Endothelial Keratoplasty Graft Failure, Poster Presentation, Association for Research in Vision and Ophthalmology Annual Meeting, April 2008, Fort Lauderdale, FL.
39. Muftuoglu O, Prasher P, Dipascuale M, Mootha VV, Verity S, Bowman WL, Cavanagh DH, McCulley JP, Visual and Clinical Outcomes of Wavefront Guided Myopic Lasik With Iris Registration, Poster Presentation, Association for Research in Vision and Ophthalmology Annual Meeting, April 2008, Fort Lauderdale, FL.
40. Chu C, Arey M, Mootha VV, Urrets-Zavalía Syndrome After Descemet's Stripping Endothelial Keratoplasty, University of Texas Southwestern Medical Center, Annual Resident and Alumni Day, June 14, 2008.
41. Hsiao M, Lehmann J, Mootha VV, Early Experience with Descemet's Stripping Automated Endothelial Keratoplasty Combined With Phacoemulsification: Clinical And Refractive Outcome, University of Texas Southwestern Medical Center, Annual Resident and Alumni Day, June 14, 2008.
42. Lee O, Arey M, Mootha VV, Confocal And Pentacam Findings After Descemet's Stripping Endothelial Keratoplasty, University of Texas Southwestern Medical Center, Annual Resident and Alumni Day, June 14, 2008.
43. Koover T, Muftuoglu O, Mootha VV, Verity SM, Bowman RW, Cavanagh HD, McCulley JP, Evaluation of Zonal Equivalent Keratometry Readings After LASIK, Poster presented at ASCRS Symposium on Cataract, IOL and Refractive Surgery, April 2009, San Francisco, CA.
44. Muftuoglu O, Chu C, Prasher P, Mootha VV, Verity SM, McCulley JP, Bowman RW, Laser in Situ Keratomileusis for Residual Refractive Errors After Apodized Diffractive Multifocal IOL Implantation, Poster presented at ASCRS Symposium on Cataract, IOL and Refractive Surgery, April 2009, San

- Francisco, CA.
45. Muftuoglu O, Prasher P, Bowman RW, Verity SM, Cavanagh HD, McCulley JP, Mootha VV, Evaluation of Corneal Parameters and Spherical Aberration After DSAEK Measured with Pentacam System, Poster presented at ASCRS Symposium on Cataract, IOL and Refractive Surgery, April 2009, San Francisco, CA.
 46. Dao L, Muftuoglu O, Verity SM, Mootha VV, Cavanagh HD, McCulley JP, Bowman RW, Visual and Refractive Outcomes of Apodized Diffractive Multifocal IOL, Poster Presented at ASCRS Symposium of Cataract, IOL and Refractive Surgery, April 2009, San Francisco, CA.
 47. Chu CY, Muftuoglu O, Verity SM, Mootha VV, Cavanagh HD, McCulley JP, Bowman RW, Outcomes of Limbal Relaxing Incisions with Apodized Diffractive Multifocal IOL Implantation, Poster presented at ASCRS Symposium on Cataract, IOL and Refractive Surgery, April 2009, San Francisco, CA.
 48. Wojtowicz J, Muftuoglu O, Mohamed EM, Mootha VV, Bowman RW, Cavanagh HD, McCulley JP, Repeatability of Anterior and Posterior Corneal Higher-Order Aberrations in 4 mm, 6 mm, and 8 mm Diameters Measured by Pentacam System, Poster presented at ASCRS Symposium on Cataract, IOL and Refractive Surgery, April 2009, San Francisco, CA.
 49. Mohamed EM, Muftuoglu O, Bowman RW, Cavanagh HD, Mootha VV, Radwan GA, McCulley JP, Wavefront guided Ablation Retreatment in Myopic eyes, Poster Presented at ASCRS, April 2009, San Francisco, CA.
 50. Mohamed EM, Wojtowicz J, Bowman RW, Cavanagh HD, Mootha VV, Verity S, McCulley JP, Corneal Thickness Association with Ocular and Corneal Wavefront Aberrations, Poster presented at the Association for Research in Vision and Ophthalmology Annual Meeting, May 2009, Ft. Lauderdale, FL.
 51. Di Pascuale MA, Muftuoglu O, Mootha VV, Factors Affecting Visual Outcome in Deep Anterior Lamellar Keratoplasty, Poster presented at Association for Research in Vision and Ophthalmology Annual Meeting, May 2009, Ft. Lauderdale, FL.
 52. Muftuoglu O, Verity SM, Bowman WR, Cavanagh DR, McCulley JP, Mootha VV, Novel applications of femtosecond laser for deep anterior lamellar keratoplasty, Poster presented at Association for Research in Vision and Ophthalmology Annual Meeting, May 2009, Ft. Lauderdale, FL.
 53. Osamah S, Mootha VV, Prevalence of Inherited Eye Disease in Godavari Districts in Andhra Pradesh, India, University of Texas Southwestern Medical Center, Annual Resident and Alumni Day, June 20, 2009.
 54. Di Pascuale MA, Mootha VV, Factors Affecting Visual Outcome in Deep Anterior Lamellar Keratoplasty, University of Texas Southwestern Medical Center, Annual Resident and Alumni Day, June 20, 2009.
 55. Allen, M, Aggarwal, N, Mootha VV, Incidence of Intraocular Pressure Evaluation and Risk Factors for Glaucoma Following Descemet Stripping Endothelial Keratoplasty, University of Texas Southwestern Medical Center, Annual Resident and Alumni Day, June 20, 2009.
 56. Mootha VV, Osamah S, McCulley JP, Xing C, Chandrasekhar S, Mutational Spectrum of Fuchs' Endothelial Corneal Dystrophy, Paper presented at International Symposium on Role of Genomics in Clinical Practice & 35th Annual Conference, Indian Society of Human Genetics, March 7, 2010.
 57. Di Pascuale MA, Pessach Y, Mootha VV, Intraocular Pressure, Corneal and Anterior Chamber Changes After Descemet's Stripping Automated Endothelial Keratoplasty (DSAEK), Poster presented at Association for Research in Vision and Ophthalmology Annual Meeting, May 5, 2010, Ft. Lauderdale, FL.
 58. Kim SY, Mootha VV, Hogan RN, Correlation of Big-Bubble DALK with OCT and Histopathology in Donor Corneas, University of Texas, Southwestern Medical Center, Annual Resident and Alumni Day, June 26, 2010.
 59. Posvar B, Mootha VV, Retrospective Review of Outcomes in Manual Small Incision Cataract Surgery, University of Texas, Southwestern Medical Center, Annual Resident and Alumni Day, June 26, 2010.
 60. Lubahn J, Mootha VV, A Unique Family with Hereditary Benign Intraepithelial Dyskeratosis: Phenotypic and Genotypic Results, University of Texas, Southwestern Medical Center, Annual Resident and Alumni Day, June 26, 2010.
 61. Ali Z, Whitson J, Mootha VV, Witherspoon SR, Joseph A, Hyman L, Cavanagh D, The Prevalence of POAG in Corneal Endothelial Dystrophy, The Cornea Society/EBAA Fall Educational Symposium, October 15, 2010, Chicago, IL.
 62. Kim SY, Muftuoglu O, Hogan RN, Mootha VV, Histopathology and OCT Findings of Big Bubble Deep Anterior Lamellar Keratoplasty, poster presented at The American Academy of Ophthalmology Annual

- Meeting, October 17, 2010, Chicago, IL.
63. Mootha VV, Lubahn JG, Phenotypic Variability in Hereditary Benign Intraepithelial Dyskeratosis In a Unique Family From Texas, Poster presented at Association for Research in Vision and Ophthalmology Annual Meeting, May 2011, Ft. Lauderdale, FL.
 64. Mootha VV, Ali ZK, Sporadic Case of Congenital Fibrosis of the Extraocular Muscles, Poster presented at Association for Research in Vision and Ophthalmology Annual Meeting, May 2011, Ft. Lauderdale, FL.
 65. Mootha VV, Patel Chirag, Corneal Biomechanics and their Role in the Preoperative Evaluation of Refractive Surgery Patients, University of Texas, Southwestern Medical Center, Annual Resident and Alumni Day, June 18, 2011.
 66. Kim SY, Muftuoglu O, Hogan RN, Mootha VV, Histopathology and OCT Findings of Big Bubble Deep Anterior Lamellar Keratoplasty, paper presented University of Texas, Southwestern Medical Center, Annual Resident and Alumni Day, June 18, 2011.
 67. Mootha VV, Gong X, Guenena G, Whitson JW, Cavanagh D, Anterior Segment Dysgenesis in a Family with Monozygotic Twins, Poster presented at Association for Research in Vision and Ophthalmology Annual Meeting, May 2012, Ft. Lauderdale, FL.
 68. Mootha VV, Patel CG, Bowman RW, Verity S, McCulley JP, Corneal Biomechanics and the Ocular Response Analyzer Waveform in the Preoperative Evaluation of Keratorefractive Surgery Patients, Texas Medical Association, May 18, 2012, Austin, Texas.
 69. Lubahn J, Mootha VV, McCulley JP, Bowman RW, Polymorphic Amyloid Degeneration: Slit Lamp Findings and Advanced Imaging Results, University of Texas Southwestern Medical Center, Annual Resident and Alumni Day, June 16, 2012.
 70. Bennett A, Mootha VV, Impact of Donor Age of Endothelium-Descemet Membrane Layer Harvesting and Roll Formation, Paper presented at the Association for Research in Vision and Ophthalmology Annual Meeting, May 6, 2013, Seattle, WA.
 71. Dajee K, Mootha VV, Ocular Manifestations of X-linked Reticulate Pigmentary Disorder, Poster presented at Association for Research in Vision and Ophthalmology Annual Meeting, May 8, 2013, Seattle, WA.
 72. X, Whitson, J, Mootha VV, Novel CHRLD1 Mutation and Secondary Glaucoma in Patient with X-Linked Megalocornea, Poster presented at the Association for Research in Vision and Ophthalmology Annual Meeting, May 8, 2013, Seattle, WA.
 73. Lynds R, Hansen B, Mootha VV. Supervised resident manual small incision cataract surgery (MSICS) outcomes at Parkland Hospital. University of Texas Southwestern Medical Center, Annual Resident and Alumni Day, June 2013.
 74. Ahmed Z. Soliman, Xin Gong, Imran Hussain, Chao Xing and Vinod V. Mootha, CTG18.1 Trinucleotide Repeat Expansion of TCF4 Gene in Fuchs' Endothelial Corneal Dystrophy. Poster presented at the Association for Research in Vision and Ophthalmology Annual Meeting, May 4, 2014, Orlando, FL.
 75. Imran Hussain, Xin Gong and Vinod V. Mootha, Triplet repeat primed PCR assay to genotype the CTG18.1 trinucleotide repeat polymorphism in TCF4. Poster presented at the Association for Research in Vision and Ophthalmology Annual Meeting, May 4, 2014, Orlando, FL.

INVITED LECTURES:

1. Soft Tissue Management, Local Anesthesia, Sutures and Needles, Ophthalmic Plastic Surgical Techniques, Soft Tissue Management Practical Workshop, University of Wisconsin, Madison, February 17, 1996.
2. Small Incision Extracapsular Cataract Extraction Techniques, University of Texas, Southwestern Medical Center Ophthalmology Residency Program, June 1999.
3. Fundamentals of LASIK, Visiting Professor to Srikanth Institute of Ophthalmology and Rangaraya Medical College, Kakinada, India, August 1999.
4. Penetrating Keratoplasty Techniques, Visiting Professor to Srikanth Institute of Ophthalmology, Kakinada, India, August 1999.
5. Chlamydial Conjunctivitis, Ophthalmology Grand Rounds, Eye Associates of New Mexico, October 1999.
6. Cicatricial Conjunctivitis, Ophthalmology Grand Rounds, University of New Mexico Health

- Sciences Center, January 22, 2000.
7. A 47-year-old with Right Orbital Mass, Ophthalmology Grand Rounds, Eye Associates of New Mexico, April 15, 2000.
 8. Introduction to LASIK, VA Medical Center Optometric Service, Albuquerque, May 8, 2000.
 9. Amniotic Membrane Transplantation for Ocular Surface Reconstruction, Visiting Professor to Srikan Institute of Ophthalmology and Rangaraya Medical College, Kakinada, India, October 2000.
 10. Intraocular Hemorrhages in a Patient with Candida Endophthalmitis, Ophthalmology Grand Rounds, Eye Associates of New Mexico, February 24, 2001.
 11. Cases of Pterygium, Visiting Professor to the University of Wisconsin, Department of Ophthalmology and Visual Sciences, Madison, Wisconsin, March 23, 2001.
 12. Causes and Effects of Pterygium, New Mexico Association of Ophthalmic Technical Personnel, 10th Annual Program. Santa Fe, New Mexico.
 13. Advances in Eye Surgery. Association of Peri-operative Registered Nurses, Albuquerque, New Mexico, October 18, 2001.
 14. Patient with Irido-Corneal Adhesions, Ophthalmology Grand Rounds, University of New Mexico Health Sciences Center, March 9, 2002.
 15. Sixteen-year-old with Entropion, Ophthalmology Grand Rounds, University of New Mexico Health Sciences Center, August 24, 2002.
 16. Management of Infectious Keratitis, Visiting Professor to Srikan Institute of Ophthalmology and Rangaraya Medical College, Kakinada, India, January 12th 2003.
 17. Introduction to Ophthalmology, Lecture to Educationally or Financially Disadvantaged New Mexico High School Students enrolled in Health Careers Academy Program or Undergraduate Health Sciences Enrichment Program, Office of Cultural and Ethnic Programs, University of New Mexico School of Medicine, June 26, 2003.
 18. Peripheral Ulcerative Keratitis, Ophthalmology Grand Rounds, University of New Mexico Health Sciences Center, August 2, 2003.
 19. Deep Corneal Marks in Patient with Long Standing Pterygium, Ophthalmology Grand Rounds, University of New Mexico Health Sciences Center, December 13, 2003.
 20. Penetrating Keratoplasty, VA Medical Center Optometric Service, Albuquerque, May 4, 2004.
 21. Slit Lamp, Specular, Light, and Electron Microscopic Findings of Human Donor Corneas after Laser in situ Keratomileusis, Ad Hoc Promotions and Tenure Committee, University of Texas Southwestern Medical School, Dallas, August 5, 2004.
 22. Ocular Chemical Injuries: Diagnosis and Management, Hear No Evil, See No Evil, Scratch No Evil: Third Annual Clinical Update in Dermatology, Ophthalmology, and Otolaryngology for Primary Care Physicians, University of Texas Southwestern Medical Center, February 5, 2005.
 23. Slit Lamp, Specular, Light, and Electron Microscopic Findings of Human Donor Corneas after Laser in situ Keratomileusis, Visiting Professor Lecture, Seminars in Current Topics, Department of Cell Biology and Genetics, University of North Texas Health Science Center, Fort Worth, February 16, 2005.
 24. ReSTOR and the Future, Presentation of Interesting Cases, University of Texas Southwestern Medical Center, Laser Center for Vision Care, Zale Lipshy University Hospital, Dallas, August 13, 2005.
 25. How Should I Manage Dry Eyes?, 8th Annual Ophthalmology Review for the Primary Care Physician, University of Texas Southwestern Medical Center, September 10, 2005.
 26. Penetrating Keratoplasty Basics, Visiting Professor, Srikan Institute of Ophthalmology, Kakinada, India, January 17, 2006.
 27. Ocular Surface Disease, Visiting Professor and Course Director of Continuing Medical Education Course, Srikan Institute of Ophthalmology, Kakinada, India, January 22, 2006.
 28. Developments in Corneal Transplant Surgery, Visiting Professor and Course Director of Continuing Medical Education Course, Srikan Institute of Ophthalmology, Kakinada, India, January 22, 2006.
 29. Dry Eyes, Hear No Evil, See No Evil, Scratch No Evil, Continuing Medical Education Course, University of Texas Southwestern Medical Center, February 4, 2006.
 30. Management of Dry Eyes?, 9th Annual Ophthalmology Review for the Primary Care Physician, University of Texas Southwestern Medical Center, September 16, 2006.
 31. Overview of Refractive Surgery, 9th Annual Ophthalmology Review for the Primary Care Physician, University of Texas Southwestern Medical Center, September 16, 2006.

32. Femtosecond Laser Keratoplasty (IEK), University of Texas Southwestern Medical Center, Ophthalmology at the Crossroads, December 1, 2007.
33. Developments in Corneal Transplant Surgery, CME Program, Visiting Professor to Srikan Institute of Ophthalmology, Kakinada, India, March 29, 2008.
34. Abnormal Gene Expression in Keratoconus, Moorfields Eye Hospital Dubai, Dubai, United Arab Emirates, April 1, 2008.
35. Donor Cornea Preparation for Descemet's Stripping Automated Keratoplasty, Moorfields Eye Hospital Dubai, Dubai, United Arab Emirates, April 1, 2008.
36. Emerging Techniques in Lamellar Keratoplasty, University of Texas Southwestern Medical Center, Ophthalmology at the Crossroads: Still Exciting Times 2008, December 6, 2008.
37. Emerging Techniques in Lamellar Keratoplasty, Visiting Professor to Srikan Institute of Ophthalmology, Kakinada, India, January 10, 2009
38. Phacomulsification Basics, Visiting Professor to Srikan Institute of Ophthalmology, Kakinada, India, January 10, 2009
39. Genetics of Fuchs' Dystrophy, Works in Progress Seminar Series, McDermott Center for Human Genetics, University of Texas Southwestern Medical Center, January 30, 2009.
40. Mutational Spectrum of Anterior Segment Ophthalmic Disorders, McDermott Center for Human Genetics, University of Texas Southwestern Medical Center, August 6, 2010.
41. Ocular Chemical Injuries: Diagnosis and Management, 13th Annual Ophthalmology Review for the Primary Care Physician, University of Texas Southwestern Medical Center, November 7, 2010.
42. Ophthalmic Mission Outreach, Ophthalmology At The Crossroads 2010, Yet Again, Seymour B. Gostin, MD Memorial Lectureship, University of Texas Southwestern Medical Center, December 4, 2010.
43. Update On The Genetics of Fuchs' Endothelial Corneal Dystrophy, McDermott Center for Human Genetics, University of Texas Southwestern Medical Center, April 15, 2011.
44. Genetics and Genomics of Corneal Disorders, University of Texas Southwestern Medical Center, Visual Sciences Seminar Series, October 6, 2011.
45. Ophthalmology International Outreach, University of Texas Southwestern Medical Center, Ophthalmology at the Crossroads 2011: Road Kill-To Be or Not To Be, December 3, 2011.
46. Anterior Segment Dysgenesis, McDermott Center for Human Genetics, University of Texas Southwestern Medical Center, May 11, 2012.
47. Factors Impacting BSCVA after Descemet Stripping Automated Endothelial Keratoplasty, Texas Ophthalmological Association, May 18, 2012, Dallas.
48. MSTP Panel Discussion, University of Texas Southwestern Medical Center, June 5, 2012.
49. Genetics of Fuchs' Dystrophy, University of Texas Southwestern Medical Center, Visual Sciences Seminar Series, July, 2013.
50. Update in Cataract Surgery, CME Program, Visiting Professor to Srikan Institute of Ophthalmology, Kakinada, India, August 3, 2013.
51. Genetic Basis of Eye Disease in a Rural Endogamous Population in India, McDermott Center for Human Genetics, University of Texas Southwestern Medical Center, March 7, 2014.
52. Genetic Eye Disease in Rural India, University of Texas Southwestern Medical Center, Visual Sciences Seminar Series, April 29, 2014.

GRANT SUPPORT

ACTIVE

Genetics and Genomics of Fuchs Endothelial Corneal Dystrophy, Principal Investigator, NIH grant R01EY022161,

5/1/2012- 4/30/2016, \$1,272,000 (Total Federal Award Amount)

PREVIOUS

“Slip-Lamp, Specular, Light, and Electron Microscopy of Donor Corneas after LASIK”- Principal Investigator, University of New Mexico Research Allocation Committee Grant, \$17,500, Project ID C-2202-RAC, June 2002 to June 2003.

“Rejuvenation of Corneal Endothelium Ex Vivo for Keratoplasty”- Co-Principal Investigator, Eye Bank Association of America, \$7,500, August 2005 to August 2006.

“Evaluation of Factors Affecting Visual Outcome in Combined Phaco-DSEK Procedure”
American Society for Cataract and Refractive Surgery Foundation 2007 Research Grant. P. Prasher and V.V. Mootha, Principal Investigator, \$5,000, June 2007- June 2008.

“Novel Applications of Femtosecond Laser for Donor Tissue Preparation”-Lions Eye Bank Foundation Research Grant. O Muftuoglu and V. Vinod Mootha, Principal Investigator, \$10,000, May 2008.

“Establishing the Genetic Basis of Fuchs’ Endothelial Corneal Dystrophy”-North and Central Texas Clinical and Translational Science Initiative (NCTCTSI) Pilot Grant Award Program (NIH grant #UL1 RR014982- Dr. Milton Packer, P.I.), \$72,173, June 1, 2010-May 31, 2011.

INDUSTRY PROFESSIONAL EXPERIENCE/ INDUSTRY SPONSORED RESEARCH

1999-2000	Co-investigator, Evaluation of piroxicam 3% ophthalmic solution versus placebo in inhibition of intraoperative miosis during cataract surgery, Clinitor Corp
2003-2004	Consultant for Kestrel Corporation, Novel Aberrometer for Wavefront Measurement, Kestrel project #0124, NEI Grant #1 R43 EY 014518-01
2005-2008	Co-investigator, An Evaluation of the Safety and Efficacy of Moxifloxiacin AF Ophthalmic Solution 0.5% for the Treatment of Bacterial Conjunctivitis in the USA, Alcon
2007	Co-investigator, A Safety and Efficacy Study of SCH 503034 in Previously Untreated Subjects with Chronic Hepatitis C Infected with Genotype I, (Principal Investigator, William Lee, MD)
2007	Co-investigator, Protocol NV18210 – Randomized, Multicenter, Double-Blinded, Phase IV study Evaluating the Efficacy (as measured by Sustained Virological Response) and Safety of 360 µ Induction Dosing of PegasysS® in Combination with Higher Copegus ® Doses in Treatment of Naïve Patients with Chronic Hepatitis C Genotype 1 Virus Infection of High Viral Titer and Baseline Body Weight Greater than or Equal to 85kg, (Principal Investigator, William Lee, MD)
2007	Co-Investigator, Pilot Trial of Deferasirox in the Treatment of Porphyria Cutanea Tarda, (Principal Investigator, Amit Pandya, MD)

COURSES

Course Directors: Mootha VV and Blomquist P. Annual Phacoemulsification Basics and Wet Lab Course for University of Texas Southwestern Medical Center Ophthalmology Residents, Alcon Laboratories, Fort Worth, 2005-2013.

Course Instructors: Oetting T, Broocker G, Aaron M, Tabin G, Blomquist P, Mootha V, "Extracapsular Cataract Extraction: Non-phacoemulsification Large-and Small-Incision Approach". Course Director: Bonnie A. Henderson, American Academy of Ophthalmology Annual Meeting, Sunday, October 17, 2010, Chicago, IL.

Course Instructors: Oetting T, Broocker G, Aaron M, Tabin G, Blomquist P, Mootha V, "Extracapsular Cataract Extraction: Non-phacoemulsification Large-and Small-Incision Approach". Course Director: Bonnie A. Henderson, American Academy of Ophthalmology Annual Meeting, Sunday, October 23 and Monday, October 24, 2011, Orlando, FL.

Course Instructors: Oetting T, Broocker G, Aaron M, Tabin G, Blomquist P, Mootha V, "Extracapsular Cataract Extraction: Non-phacoemulsification Large-and Small-Incision Approach". Course Director: Bonnie A. Henderson, American Academy of Ophthalmology Annual Meeting, November 2013, New Orleans, LA.

PUBLIC INTERVIEWS /ARTICLES / VIDEOS

"Cataract Surgery Informed Consent", Patient video written and narrated by V. Vinod Mootha, produced by James Janis, New Mexico VA Healthcare System, September 2001.

"LASIK Surgery," Interview on Eyewitness News, KOBTV Channel 4, New Mexico NBC Affiliate, November 20, 2001.

"Beyond the American Dream: Exchange Program Opens Eyes for a Developing Nation: Physician Volunteers Encouraged to Offer Eye Care to South India's Impoverished," by Ann Bergstrom, Ophthalmology Times, September 15, 2002, 54-55.

"When the Student Becomes the Teacher," by Elizabeth Koenig, article in 2002 Annual Report: A Retrospective, University of Wisconsin Department of Ophthalmology and Visual Sciences, 12-13.

"UNM Researchers Announce Corneal Wound Healing Findings after LASIK Surgery," by Cindy Foster, University of New Mexico Health Sciences News Release on UNM HSC Web Site, May 20, 2004.

"LASIK May Hurt Donor Corneas," by Jackie Jadrnak, Albuquerque Journal, June 21, 2004, C1-2.

Shahinpoor P, Wood M, Overturf G, Mootha VV*. Conjunctival Ulceration associated with Primary Herpes Simplex Virus Blepharoconjunctivitis. Morning Rounds: "A Small Angel with a most Peculiar Finding." EyeNet. June 2004; 39-40.

"Get Those Kids Into The Shades," by Michael Precker, Dallas Morning News, August 9, 2005, E1-2. (Also featured on www.King5.com Seattle NBC Affiliate website, August 12, 2005)

The Ogawa Technique for Trans-Scleral Sutured PCIOL Placement, M.A. Di Pascuale, V.V. Mootha, G.S.H. Ogawa, ASCRA/ASOA 2007 Symposium & Congress, Video presentation, April 28-May 2, 2007.

"Microkeratomes Yield Smoother Stromal Bed Than Femtosecond Laser in DSAEK Prep," by Matt Hasson, Ocular Surgery News, November 10, 2011, 25-26.

"No Femto Fix for PK Trauma," by Linda Roach, News is Review, EyeNet, August 2012; 15-16.

*Denotes Corresponding Author

COMMUNITY/ INTERNATIONAL SERVICE

1. Multiple medical missions trips as volunteer eye surgeon to Srikirana Institute of Ophthalmology, Kakinada, Andhra Pradesh, India, 1997-present
2. Multiple eye screening projects with mobile eye clinic with various Lions Clubs of New Mexico, 2002-2004
3. Member, Family Advocacy Committee, Greater Albuquerque Habitat for Humanity, 2003-2004

INSTITUTIONAL SERVICE

UT Southwestern Medical Center and Department of Ophthalmology Committees

1. Resident Selection Committee, 2005-2007
2. Alternate Representative, Faculty Senate, 2009-2012
3. Representative, Faculty Senate, 2012-2015

TEACHING / EDUCATION

Resident Lecture Series, Department of Ophthalmology, University of Texas Southwestern Medical Center, 2004-Present

Resident Selection Committee, Department of Ophthalmology, University of Texas Southwestern Medical Center, 2005-2007.

Moderator, Ophthalmology Grand Rounds, 2005-2007, Department of Ophthalmology, University of Texas Southwestern Medical Center

Program Chair, Ophthalmology Grand Rounds Series, 1999-2004, Department of Surgery/Division of Surgery, University of New Mexico School of Medicine, Office of Continuing Medical Education

UTSW Medical Students:

Zev Shulkin, Research and Clinical Mentor, "Descemet's Membrane Thickness in Fuchs' Dystrophy," August 2005.

Justin Kanoff, Research Mentor, "Immunohistochemical Confirmation of Abnormal Gene Products in Keratoconus," July 2006.

Krysti Vo, Mentor, "Genetics of Retinitis Pigmentosa," June-July 2010. UTSW Global Health Department sponsored Pre-Clinical International Service Learning Scholarship.

Kruti Patel, Faculty Advisor, 2010

Daniel Walker, Faculty Advisor, 2011

Tyler Willis, Faculty Advisor, 2011

Peter Ririe, Faculty Advisor, 2012

Buck Bennet, Faculty Research Mentor, Medical Student Research Forum, June -August 2012, Project: Biomechanical Characteristics of Descemet's membrane/ endothelium scrolls

Caitlin Cunningham, Faculty Advisor, 2014

Nicholas Martins, Faculty Advisor, 2014

Khreshen Cunnusamy, Faculty Research Mentor, Medical Student Research Forum, June-August 2014, Project: Molecular Genetic Basis of Fuchs' Dystrophy

UNM Medical Students:

Sujana Ganga, Clinical Preceptor, Continuity Clinic Phase II, September 1999-February 2000

Darcy Wolsey, Research Mentor: "Pediatric Pterygia," May 2001

H. Rachel Davids, Research Mentor: "Ocular Nematodes," June 2002

Parsa Shahinpoor, Clinical Preceptor, Continuity Clinic Phase II, September 2002-February 2003; Research Mentor: "Ocular Herpes Simplex," January 2003
Jason Jaramillo, Research Mentor: "Pterygia with Deep Corneal Changes," June 2004

UNM Undergraduate Students:

Erika Mendoza, Research Mentor: "Cornea Gene Expression," September 2002-June 2003

Resident Training:

Surgical and clinical mentor to University of Texas Southwestern Medical Center ophthalmology residents, November 2004-present.

Staffed Resident Cataract Surgery (Complicated phacoemulsification and small incision extracapsular cataract extraction cases), Parkland Memorial Hospital, Dallas, Texas, November 2004-2012

Surgical and clinical mentor to senior ophthalmology residents from the University of Wisconsin and University of Pittsburg rotating at UNM, 1999-2004

Cornea Fellow Training:

Surgical and clinical mentor to University of Texas Southwestern Medical Center cornea fellows, November 2004-present.

Staffed Cornea and External Disease Clinic, Parkland Memorial Hospital, Dallas, Texas, November 2004-2012

CLINICAL TRAINEES (Cornea Fellows)

Didar Anwar, M.D.	Kurdistan, Iraq
John Carmody, M.D.	Shreveport, LA
Albert Caruana, M.D.	Towson, MD
Byron Cook, M.D.	Atlanta, GA
Eric Dai, M.D.	Austin, TX
Jeffrey Davis, M.D.	Bradenton, FL
S. Sedar Dogan, M.D.	Dallas, TX
Surender Dwarakanathan, M.D.	Chicago, IL
Damien Goldberg, M.D.	Los Angeles, CA
Mohammed Guenena, M.D.	Detroit, MI
Adrian Jachens, M.D.	Long Island, NY
Michael Karon, M.D., PhD	McKinney, TX
Patrick Kelley, M.D.	Dallas, TX
Ashballa Khattak, M.D.	Jeddah, Saudi Arabia
Arbi Khemichian, M.D.	Los Angeles, CA
Soo Kim, M.D.	Austin, TX
Jon Konti, M.D.	Tempe, AZ
Matthew Kruger, M.D.	Boston, MA
Danny Lee, M.D.	Atlanta, GA
James Lehmann, M.D.	San Antonio, TX
Frank McDonald, M.D.	Jacksonville, FL
Eli Moses, M.D.	Fairfield, NJ
Ravathi Naadimuthu, M.D.	Princeton, NJ
Russell W. Nelligan, M.D.	St Augustine, FL
Dipak Parmar, M.D.	London, England

Mario Di Pascuale, M.D.
Yuval Pessach, M.D.
Pawan Prasher, M.D.
Kamran Riaz, M.D.
Shetal Shah, M.D.
Jacob Thomas, M.D.
Louis Verstinghe, M.D.
Kentaro Yamada, M.D.
Christopher Walton, M.D

Fort Worth, TX
Tel Aviv, Israel
Bombay, India
Fort Bend, IN
Hauppauge, NY
Springfield, MO
Dallas, TX
Orange, CA
Mobile, AL

POSTDOCTORAL RESEARCH FELLOWS

Imran Hussain, PhD.