

CURRICULUM VITAE**KARANJIT S. KOONER, M.D. Ph.D. MBA**

Address: Associate Professor, Glaucoma Service
The University of Texas Southwestern Medical Center
Department of Ophthalmology
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Education:

1966 - 1968 D.A.V. College, Jullundur, India

1968 - 1974 Dayanand Medical College, Ludhiana, India

Qualification:

May 1974, M.D. Punjab University, India

September 1977, Diploma in Ophthalmology
(Royal College of Surgeons United Kingdom)

June 1989, FRCOph (Fellow of Royal College of
Ophthalmologists), United Kingdom

August 1994, MBA, University of Texas at Dallas

December 2004, PhD, University of Leicester, England

Medical Licensure: Texas 1989

Board Certification: June 1980, British Board in Ophthalmology, F.R.C.S. (Fellow of Royal
College of Surgeons, United Kingdom)

October 1996, American Board of Ophthalmology

Internship and Residencies:

- 6/1/74 - 6/15/75 Internship
Christian Medical College, Ludhiana, India
Clara Swain General Hospital, Bareilly, India
- 8/1/75 - 6/30/81 Resident in Ophthalmology
University Eye Clinic, Ghent, Belgium
The Middlesex Hospital, London, UK
Sutton General Hospital, Sutton, UK
Huddersfield Royal Infirmary, Huddersfield, UK

Fellowship:

- 7/1/81 - 6/30/83 Glaucoma Fellow,
Ochsner Clinic and Louisiana State
University Eye Clinic, New Orleans, Louisiana

Work Experience:

- 7/1/83 - 6/30/86 Private Practice, Dulaney Eye Clinic, Phoenix, Arizona
Managed glaucoma patients in a busy three-office practice.
- 7/1/86 - 7/31/88 Assistant Professor,
Louisiana State University Medical Center, Shreveport
Director of Ophthalmology
E. A. Conway Memorial Hospital, Monroe, Louisiana
- 8/1/88 - 7/31/94 Assistant Professor, Glaucoma Service, Ophthalmology
UT Southwestern Medical Center, Dallas. Texas.
- 8/1/88 - present Staff Ophthalmologist,
Veterans Affairs North Texas Health Care System,
Dallas. Texas.
- 8/1/94 - Present Associate Professor, Ophthalmology
Glaucoma Service
UT Southwestern Medical Center, Dallas, Texas.
- 1/15/2021 – Present Adjunct Faculty, Department of Bioengineering,
University of Texas at Dallas. (UTD)

Publications:

A. Articles in Journals

1. Francois J, Lentini F, and Kooner KS: Les Manifestations Ophtalmoscopiques de la Sarcoidose de Besnier - Boeck. *Ann.d' Oculist* 1977; 10:751-756.
2. Kooner KS and Zimmerman TJ: Differential diagnosis of unilateral glaucoma: Part I: Definition and classification. *Annals Ophthalmol* 1983; 15(8): 695-697.
3. Kooner KS, and Zimmerman TJ: Differential diagnosis of unilateral glaucoma: Part II: Diagnostic approach; *Annals Ophthalmol* 1983; 15: 793-794.
4. Zimmerman TJ, Kooner KS and Morgan KS: Safety and efficacy of timolol in pediatric glaucoma. *Surv Ophthalmol* 1983; 28:262-264.
5. Zimmerman TJ, Kooner KS, Ford VJ, Olander KW, Mandlekorn RM, Rawlings FE, Leader BJ and Koskan AJ: Effectiveness of non-penetrating trabeculectomy in aphakic patients with glaucoma. *Ophthalmic Surg* 1984; 15:44-50.
6. Kooner KS and Dulaney DD: Glaucoma in General Practice. *Arizona Medicine* 1984; XLI (12):804-808.
7. Zimmerman TJ, Kooner KS, Ford VJ, Olander KW, Mandlekorn RM, Rawlings EF, Leader BJ and Koskan AJ: Trabeculectomy vs. non-penetrating trabeculectomy: a retrospective study of two procedures in phakic patients with glaucoma. *Ophthalmic Surg* 1984; 9:734-740.
8. Kooner KS and Zimmerman TJ: Glaucoma Management: A Few Practical Points. *Ann Ophthalmol* 1984; 16:209-210.
9. Kooner KS, Zimmerman TJ, and Dulaney DD: Differential diagnosis of elevated intraocular pressure following ocular surgery. *Ann Ophthalmol* 1984; 16:708-709.
10. Kooner KS, Zimmerman TJ and Dulaney DD: Oculo-Visual Symptoms in Glaucoma Patients. *Ann Ophthalmol*, 1984; 815-816.
11. Zimmerman TJ, Kooner KS, Kandarakis AS and Ziegler L: Improving the therapeutic index of topically applied ocular drugs.

Arch Ophthalmol 1984; 102:551-553.

12. Kooner KS and Zimmerman TJ. Pearls in glaucoma management. *Ann Ophthalmol* 1984; 16:507-509.
13. Kooner KS and Zimmerman TJ: A Glaucoma Medication Timetable, Card. *Ann Ophthalmol*, 1987; 19:43-44.
14. Kooner KS and Zimmerman TJ: The Cost of Antiglaucoma Medications. *Ann Ophthalmol*, 1987; 19:327-328.
15. Kooner KS and Zimmerman TJ: Management of Acute Elevated Intraocular Pressure: Part I Diagnosis. *Ann Ophthalmol*, 1988; 20:46-47.
16. Kooner KS and Zimmerman TJ: Management of Acute Elevated Intraocular Pressure: Part II Treatment. *Ann Ophthalmol*, 1988; 20:87-88.
17. Kooner KS Dulaney DD and Zimmerman TJ: Intraocular Pressure Following Secondary Anterior Chamber Lens Implantation. *Ophthalmic Surg*, 1988; 19:274-276.
18. Kooner KS and Zimmerman TJ: Antiglaucoma Therapy during pregnancy Part I. *Ann Ophthalmol*, 1988; 20:166-169.
19. Kooner KS, Dulaney DD and Zimmerman TJ: Intraocular Pressure Following Extracapsular Cataract Extraction and Posterior Chamber Intraocular Lens Implantation. *Ophth Surg*, 1988; 19:471-474.
20. Kooner KS, Zimmerman TJ: Antiglaucoma Therapy during pregnancy-Part II. *Ann Ophthalmol*, 1988; 20:208-211.
21. Kooner KS, Dulaney DD, and Zimmerman TJ: Intraocular Pressure Following ECCE and Posterior Chamber Intraocular Lens Implantation in Patients with Glaucoma. *Ophthal Surg* 1988; 19:570-575.
22. Kooner KS, Cooksey JC, Perry P and Zimmerman TJ: Intraocular Pressure Following ECCE, Phacoemulsification, and PC-IOL Implantation. *Ophth Surg* 1988; 19:643-644.
23. Kooner KS and Zimmerman TJ: Medical treatment of glaucoma. *Current Opinion in Ophthal* 1990, 1: 134-140.

24. Kooner KS, Cooksey JC, Barron JB, Zimmerman TJ, and Gupte RK, Wall JL: Tonometry: Goldmann vs. Tono-Pen. *Annals of Ophthalmol* 1992; 24:29-36.
25. Kooner KS and Goode SM: Removable Ligature during Molteno Implant Procedure (Letter). *Am J Ophthalmol* 1992; 114:102-103.
26. Kooner KS, Cavanagh HD, Zimmerman CF, Itani KM: Eye movement restrictions after Molteno implant surgery (letter), *Ophthalm Surg* 1993, 24:498-499.
27. Kooner KS: Repair of Molteno implant during surgery. (Letter), *Am J Ophthalmol* 1994; 117:673.
28. Sharir M, Zimmerman TJ, Del Negro RG, Ball SF, Kooner KS. A comparison of the efficacy of various metipranolol-pilocarpine combinations in patients with ocular hypertension and primary open angle glaucoma. *J Ocular Pharmacol* 1994; 10:411-420
29. Kooner KS: New agents in glaucoma therapy. *Int Ophthalmol Clin.* 1999; 39:1-15.
30. Song J, Stinnett SS, Whitson JT, Kooner KS: Ten-year surgical experience with childhood glaucoma. *J Pediatr Ophthalmol Strab* 2003; 40:11-18.
31. Song J, Lee PP, Stinnett SS, Allingham RA, Kooner KS. Influence of age, race, sex, and socioeconomic status on false-negative rates of visual fields in glaucoma. *Asian Journal of Ophthalmology* 2005; 7:101-107.
32. Younger JR, Kooner KS. Upper eyelid extension of a filtering bleb following glaucoma shunt surgery. *Ophthalmic Surg Lasers Imaging* 2006; 37:324-326.
33. Kooner KS, AlBdoor M, Cho BJ, and Adams-Huet B: Risk factors for progression to blindness in high tension primary open angle glaucoma: Comparison of blind and nonblind subjects. *Clinical Ophthalmology* 2008; 2(4): 757-762.
34. Kooner KS, AlBdoor M, Cho BJ: Implantation of Ahmed Glaucoma Shunt with Pars Plana Sclerotomy for neovascular glaucoma. *J Current Glaucoma Practice*, 2008. (2). January-April.
35. Rhodes KM, Weinstein R, Saltzman RM, Aggarwal N, Kooner KS, Mathews W, Whitson JT: Intraocular pressure reduction in the

untreated fellow eye after selective laser trabeculoplasty. *Current Medical Research and Opinions*. 2009. 77(7):1-10.

36. Allen BM, Lieu P, Mootha V, Bowan RW, Petroll WM, Tong L, Kooner KS, Cavanaugh HD, Whitson JT, Aggarwal NK: Risk factors for intraocular pressure elevation after Descemet Stripping Automated Endothelial Keratoplasty. *Eye and Contact Lens* 2010; 4:223-227.
37. Kooner KS: Repair of cyclodialysis cleft. In Dada T, Barkana Y, Ahmed IK et al Eds. *Video Journal of Glaucoma Surgery*. Jaypee, 2010, pp xxvi.
38. Kooner KS: Combined phacotrabeculectomy with concurrent pars plana Sclerostomies. In Dada T, Barkana Y, Ahmed IK et al Eds. *Video Journal of Glaucoma Surgery*. Jaypee, 2010, pp xxvi.
39. Kooner KS and Zhuk S: Delayed traumatic phacocele following trabeculectomy. *Ophthalmic Surg Lasers Imaging*. 2010 May 31;17. [Doi:0.3928/15428877-20120524-03](https://doi.org/10.3928/15428877-20120524-03)
40. Kooner KS, Joseph A, Shar A, Marquardt FA, AlBdoor M, Cho BJ, Whitson J, Aggarwal N, Adam-Huet B: Dallas Glaucoma Registry: Preliminary Results. *J Clinic Experiment Ophthalmol* 2011 2(6): 164 <http://dx.doi.org/10.4172/2155-9570.1000164>.
41. Albdour M and Kooner KS: Role of central corneal thickness in circadian intraocular pressure fluctuation among patients with primary open angle glaucoma. *JRMS* 2012; 19(2):51-55.
42. Kooner KS and Barte FM: Intraocular surgery in kyphosis: an easier approach. *Case Rep Ophthalmol* 2013; 4:34-38. DOI: 10.1159/000353227.
43. Fung DS, Roensch MA, Kooner KS, Cavanagh HD, Whitson JT: Epidemiology and characteristics of childhood glaucoma. *Clinical Ophthalmology* 2013; 7:1739-46. [Doi:10.2147/OPHTH.S45480](https://doi.org/10.2147/OPHTH.S45480).
44. Kooner KS, Harrison M, Prasla Z, Albdour M, Adams-Huet B: Pediatric glaucoma suspects. *Clinical Ophthalmology* 2014; 8:1139- 1145. DOI: <http://dx.doi.org/10.2147/OPHTH.S61682>.
45. Albdour MQ, Lubahn JG, Li X, Adams-Huet B, and Kooner KS: Effect of central corneal thickness on the outcome of selective laser trabeculoplasty: Texas experience. *JRMS* 2015; 22(4):6-11. DOI:

10.12816/0018543.

46. Hussain R, O’Leary S, Pacheco FM, Zacharias TE, Litvak P, Sguigna P, Marder E, Kia K, Kooner K and Stuve O: Acute relapse after initiation of Siponimod in a patient with secondary progressive MS. *J Neurol*. 2016 Mar; 263(3):606-10. Doi: 10.1007/s00415-015-7999-6. Epub 2016 Feb 25. PMID: 26914924.
47. Albdour MQ, Khiem V, Markel NL, Parikh BS, Li X, Adam-Huet B and Kooner KS. Family history of glaucoma and disease severity. *JRMS* 2016; 23(4): 36-40/DOI:10.12816/0032199.
48. Lee JC, Evers BM, Cavuoti D, Hogan NR Kooner KS. Polymicrobial infection confined to Ahmed glaucoma shunt. *American Journal of Ophthalmology Case Report* 2020, <https://doi.org/10.1016/j.ajoc.2020.100596>. PMID: 32195438
49. Reddy V, AlSalem M, Kooner KS. Vitreous hemorrhage following CyPass glaucoma stent surgery. *JRMS* 2020; 27(2): 72-79.
50. Lee JC, Al-Humimat G, Kooner KS. Acute bilateral uveitis, hypotony, and cataracts associated with Ipilimumab and Nivolumab therapy.: optical coherence tomography angiography findings. *Case Rep Ophthalmology* 2020; 11:606-611. DOI: 10.1159/000509629. PMID: 33437235
51. Al-Humimat G, Marasdeh I, Daradkeh D, Kooner K. Investigational Rho Kinase Inhibitors for The Treatment of Glaucoma. *Journal of Experimental Pharmacology* 2021; 13: 197—212. DOI: <https://doi.org/10.2147/JEP.S259297>. PMID: 33664600
52. Noorani, S, Alsalem, M, Deng T, Yang A, Adam-Huet B, Li, X, Kooner KS. Cataract surgery and intra ocular pressure. *JRMS*. 2021; 28(1): 1-12.DOI: 10.12816/0058875

B. Book Chapters

1. Kooner KS, Zimmerman TJ: Clinical Ocular Pharmacology: Some Overlooked Features. In *Ophthalmology Clinics of North America*, Zimmerman TJ, Kooner KS (Eds.), Philadelphia, W.B. Saunders Co., 1989, 1:1-14.
2. Kooner KS, Zimmerman TJ: Medical treatment of glaucoma. *Current Opinion in Ophthalmology*, 1990; 1:134-140.
3. Kooner KS, Zimmerman TJ: Proper use of topical ocular solutions. In Lim, AS (ed.) *World's Major Blinding Conditions*, 2nd edition, XXVI International Congress of Ophthalmology, Singapore, 1990, pp. 97-103.
4. Zimmerman TJ, Kooner KS: Future orientations in glaucoma diagnosis. In Wollensak, Jr.(eds.) *Ophthalmologische Arzneimittle-Theerapie*, Verlag ad manum medici Braz & Hoc 1990, Munich, pp. 61-76.
5. Kooner KS, Zimmerman TJ: Concepts in Ocular Drug Delivery, In *Glaucoma Update IV*, Krieglstein GK (ed.), Berlin, Springer-Verlag, 1991, pp. 208-216.
6. Kooner KS, Zimmerman TJ: Pilocarpine. In Dollery, CT (ed.), *Therapeutic Drugs: A Clinical Pharmacopoeia*, Edinburgh, Churchill Livingstone, 1991, pp. 24-26.
7. Kooner, KS, Zimmerman TJ: Homatropine. In Dollery CT (ed.), *Therapeutic Drugs: A Clinical Pharmacopoeia*, Edinburgh, Churchill Livingstone, 1991, pp. 105-110.
8. Kooner KS: Glaucoma. Thymoxamine. In Zimmerman TJ, Kooner KS, Sharir M et al., eds. *Textbook of Ocular Pharmacology*. Philadelphia-New York: Lippincott-Raven, 1997:255-260.
9. Kooner KS: *New agents in glaucoma therapy*, In Singh, Bautista RD (ed) *International Ophthalmology Clinics*, Philadelphia, Lippincott Williams 1999 39:1-15.
10. Kooner KS: Primary Open-Angle Glaucoma. In Zimmerman TJ; Kooner KS, eds. *Clinical Pathways in Glaucoma*. New York-Stuttgart, Thieme 2000: 23-57.

11. Kooner KS, Aronowicz J: Pharmacologic Modulation of Filtering Surgery Wound Healing. In Higginbotham EJ, Lee DA (Eds). *Clinical Guide to Glaucoma Management*. Woburn, Butterworth, Heinemann, 2004, pp 494-518.
12. Albdour M and Kooner KS: Intraocular surgery in kyphosis. In Newton J (Ed) *Kyphosis: causes, methods of treatment and potential complications*. Hauppauge, NY Nova Publishers, 2015.

C. Books Edited:

1. *Textbook of Ocular Pharmacology*, Philadelphia-New York, Lippincott-Raven 1997.
2. *Clinical Pathways in Glaucoma*, New York-Stuttgart, Thieme 2000.
3. *Ophthalmology Clinics of North America*, Philadelphia, WB Saunders Co.

D. Ph.D. Dissertation

Risk factors for legal blindness in primary-open angle glaucoma. University of Leicester, England. December 2003. Study period 1993-1999. More than 400 patients were followed for five to six years in three different hospitals. Significant risk factors for blindness was elevated intraocular pressure, late detection, poor control and noncompliance.

E. Journal Reviewer:

1. *Expert Opinion on Drug Safety*, London. UK
2. *British Journal of Ophthalmology*, London. UK
3. *Expert Opinion on Pharmacotherapy*, London. UK
4. *Expert Review of Ophthalmology*, London. UK.
5. *International Journal of Clinical Ophthalmology*. Auckland. New Zealand.
6. *Future Medicine*. London. UK
7. *American Journal of ophthalmology*. USA 2010
8. *Journal of Ocular Pharmacology and Therapeutics*. Rochelle, NY 2014
9. *Advances in Therapy*. Springer health care. 2011
10. *Journal of Ophthalmology and Clinical Research*. Herald Scholarly, Hendon VA. 2014
11. Grant review: *Medical Research Council (UK): Normal and abnormal development of the optic nerve in infants and children: characterization using hand-held optical coherence tomography*

- (HH-OCT). Grant reference: MR/M013081/1. Applicant: Professor Irene Gorttlob. University of Leicester UK. September 2014. GrantsPreAward@ssc.rcuk.ac.uk.
12. *Drug Design, Development and Therapy*. Dove Medical Press. Auckland. New Zealand.
 13. *Journal Royal Medical Services*, Amman, Jordan 2015.
 14. *Journal of International Research in Medical and Pharmaceutical Sciences*. International Knowledge Press. West Bengal. India. 2015

F. Lectures (invited) delivered :

1. Glaucoma surgical options. Dayanand Medical College. Ludhiana. India April, 2007.
2. Glaucoma Drainage Devices. Post Graduate Institute, Chandigarh. India. May, 2007.
3. Effect of Central Corneal Thickness on Circadian Intraocular pressure fluctuations in glaucoma. Glaucoma Society of India, annual meeting, Chandigarh. India November 2008.
4. Medical Eye Missions. Osteopathic Ophthalmology Annual Meeting, Austin, TX. May 10, 2009.
5. Advances in Glaucoma. Key note Speaker. Punjab Ophthalmological Society Meeting. Amritsar. India. December 18, 2009.
6. Dr. AD Grover Memorial Oration Award 2011 : Glaucoma Drainage Devices. XXIV Annual meeting of Chandigarh Ophthalmological Society, Chandigarh. Punjab India. September 3-4, 2011.
7. Eye Medical Mission to China. UT Southwestern multicultural week. Dallas. February 11, 2013.
8. Eye Medical Mission to Bangladesh. Global Health Interest Group. UT Southwestern Medical Center, Dallas. April 15, 2013.
9. Invited Speaker, 7th International Conference of the Royal, Medical Services, Dead Sea, Jordan, November 4-7, 2014.
10. Key Note Speaker : 2016 Tyler Eye Update, Tyler, TX, September 29, 2016.
11. Advances in Glaucoma. 20th Annual meeting of Punjab Ophthalmological Society, Ludhiana, India, December 9-11, 2016

G. Abstracts presented :

1. Kooner KS, Piper J Haley RW : Risk factors for developing legal blindness in glaucoma. IOVS 1994 ; 35(4) :1510.

2. Kooner KS, Patel N, Abbasoglu OE : Legal blindness in primary open angle glaucoma, demographic and systemic influences. IOVS 1997 ;38(4).
3. Kooner KS : Risk factors for legal blindness in primary open angle glaucoma. Presented at the Annual meeting of the American Academy of Ophthalmology, New Orleans, November 11-14 2001.
4. Kooner KS and Hussein MEM : Evaluation of the association of baseline ocular and demographic factors with legal blindness and progression of primary open angle glaucoma. Presented at the annual meeting of ARVO, 2004.
5. Lieu P, Kooner KS et al : Circadian intraocular pressure, blood pressure and pulse variations in unstable and stable primary open angle glaucoma. Presented at the Annual Medical Student Forum. UTSWMC, Dallas. January 2008.
6. Aronowicz, Kooner KS et al : Role of central corneal thickness (CCT) in circadian intraocular pressure (IOP) fluctuations in patients with mild to moderate primary open-angle glaucoma (POAG). Presented at the American Glaucoma Society meeting, Washington DC. March 7-9, 2008.
7. Lieu P, Kooner KS et al: Symptoms of Autonomic Dysfunction in Primary Open-Angle Glaucoma (POAG). Presented at the Association of Research in Vision and Ophthalmology, Fort Lauderdale, FL, May 2008.
8. Brooks, PA, Kooner KS et al: The Effect of Nocturnal Blood Pressure and Intraocular pressure on the progression of Primary Open-angle Glaucoma (POAG). Presented at the annual scientific meeting and exposition of the American Society of Hypertension. New Orleans, LA. May 2008.
9. Coleman M, Lubahn JG, Chitkara P, Aronowicz J, Brooks P, AlBdoor M, Lieu P, Butsch R, Adams-Huet B, Nesbitt SD, Kooner KS. Circadian Intraocular pressure and Blood Pressure Fluctuation in Primary Open Angle Glaucoma. National Medical Association Annual Convention and Scientific Assembly in Atlanta, GA. July 2008.
10. Shar A, Joseph A, Huet B and Kooner KS. Glaucoma Suspect Results from the Dallas Glaucoma Registry. Presented at the American Glaucoma Society meeting, San Diego. CA. March,

2009.

11. Joseph A, Shar A, Huet B and Kooner KS. Is Secondary Glaucoma a Surgical Disease? Results from the Dallas Glaucoma Registry. Presented at the American Glaucoma Society Meeting, San Diego. CA. March 2009.
12. Kamath P, Harrison M, Zohra P, Marquardt F, and Kooner KS: Glaucoma in United States Veterans: an overlooked group? Presented at ASCRS meeting, Boston, MA April 7-9, 2010.
13. Harrison M, Zohra P, Kamath P, Marquardt F, and Kooner KS: Glaucoma Suspects in Children. Presented at annual meeting of American Glaucoma Society meeting in Naples, FL. March 4-7, 2010.
14. Zohra P, Harrison M, Kamath P, Marquardt F, and Kooner KS: Is Childhood Glaucoma a Surgical Disease? An Analysis of 231 Ethnically Diverse Patients. Presented at the annual Medical Student Research Forum, UTSWMC, Dallas, January 2010.
15. Roensch MA, Kooner KS, Prala Z, Harrison M, JT Whitson: Characteristics of Childhood Glaucoma. Presented at annual meeting of American Academy Ophthalmology, Chicago.IL October 17 2010.
16. Patel C and Kooner KS: Noncompliance in glaucoma in a county hospital setting. Does race play a role? Presented at the annual meeting of the Association for Research in Vision and Ophthalmology. Ft Lauderdale, FL. May 1-6, 2011.
17. Barte F, Mahasneh S, Adams-Huet B, and Kooner KS: Systemic illnesses in glaucoma: a possible link between glaucoma and breast cancer. Presented at the annual meeting of the Association for Research in Vision and Ophthalmology. Ft Lauderdale, FL. May 6-11, 2012.
18. Markel N, Chang E, Kooner KS. Selective Laser Trabeculoplasty (SLT), predictors of failure. Presented at annual meeting of American Glaucoma Society, San Francisco, CA. February 28-March 3, 2013.
19. Chang E, Merkel N, and Kooner KS: Argon Laser trabeculoplasty (ALT) by residents: predictors of failure. Presented at annual meeting of American Glaucoma Society, San Francisco, CA. February 28-March 3, 2013.

20. Kuriachan VP, Kooner KS. The initial clinical features of primary open angle glaucoma. Presented at annual meeting of American Glaucoma Society, San Francisco, CA. February 28-March 3, 2013.
21. Merkel N, Parikh K, Vu K, and Kooner KS: Is breast cancer a risk factor for glaucoma? Presented at the annual meeting of the American Glaucoma Society meeting, Washington DC February 27-March 2, 2014.
22. Parikh K, Merkel N, Vu K and Kooner KS: Burden of glaucoma: adjunct eye diseases. Presented at the annual meeting of the American Glaucoma Society meeting, Washington DC February 27- March 2, 2014.
23. Vu K, Parikh K, Merkel N and Kooner KS: Does family history of glaucoma foretell a severe form of the disease? Presented at the annual meeting of the American Glaucoma Society meeting, Washington DC February 27- March 2, 2014.
24. Kooner KS, Barte F, Merkel N, Adam- Huet B, Huerta S. Glaucoma and breast cancer: is there a link? Presented at the 38th annual meeting of the Association of VA Surgeons (Quick Shot session), April 6-8, 2014, New Haven CT.
25. Plummer A, Seamont D, Eng D, Adam-Huet B, Li X, Kooner KS: Family history(ies) of glaucoma. Presented at the annual meeting of the American Glaucoma Society meeting, Coronado, CA, February 26-March 1, 2015.
26. Seamont D, Eng D, Plummer A, Adam-Huet B, Li X, Kooner KS: Do men have severe glaucoma? Presented at the annual meeting of the American Glaucoma Society meeting, Coronado, CA, February 26-March 1, 2015.
27. Eng D, Plummer A, Seamont D, Adam-Huet B, Li X, Kooner KS: Time line of glaucoma. Presented at the annual meeting of the American Glaucoma Society meeting, Coronado, CA, February 26-March 1, 2015.
28. Jaffar S, Kooner KS: Environs of glaucoma. Presented at the annual meeting of the American Glaucoma Society meeting, Fort Lauderdale, FL, March 3-6, 2016.
29. GoldenMerry YP, Alsalem M, Reddy N, Li X, Adams-Huet B Kooner KS. Disparity between structure and function in glaucoma. Presented at

annual meeting of the American Glaucoma Society meeting, Coronado, CA March 2-5,2017.

30. Reddy N, GoldenMerry YP, Alsalem M, Li X, Adams-Huet B Kooner KS. Risk factors, lamina cribrosa, and choroid in glaucoma. Presented at annual meeting of the American Glaucoma Society meeting, Coronado, CA March 2-5, 2017.
31. Noorani S. Deng T, Yang A, AlSalem M, Bowman W, Whitson J, Blomquist P, Mootha V, Adams-Huet B, Li X, Kooner K. Cataract surgery and intraocular pressure. Presented at the Annual Meeting of American Glaucoma Society meeting in NY, NY March 1-4, 2018.
32. Yang A, Noorani S. Deng T, AlSalem M, Adams-Huet B, Li X, Kooner K. Power of OCT-A (Coherence Tomography Angiography) in glaucoma. Presented at the Annual Meeting of American Glaucoma Society meeting in NY, NY March 1-4, 2018.
33. Deng T, Yang A, Noorani S, AlSalem M, Adams-Huet B, Li X, Kooner K. MLT (Micropulse Laser trabeculoplasty) or not? Presented at the Annual Meeting of American Glaucoma Society meeting in NY, NY March 1-4, 2018.
34. Tong B, Kim S, Lee J, Borodge D, Hossain F, Adams-Huet B, Li X, Kooner K. IOP, BP, and Choroidal Thickness. American Glaucoma Society 29th Annual Meeting. March 14-17, 2019, San Francisco, CA.
35. Lee J, Hossain F, Tong B, Kim S, Borodge D, Adams-Huet B, Li X, Kooner K. Perceived stress in glaucoma. American Glaucoma Society 29th Annual Meeting. March 14-17, 2019, San Francisco, CA.
36. Kim S, Tong B, Lee J, Borodge D, Hossain F, Adams-Huet B, Li X, Kooner K. Energizing compliance one conversation at a time. ASCRS ASOA Annual Meeting. May 3-7, 2019, San Diego, CA.
37. Ahuja P, Wang C, Angirekula A, Pradhan R, Tunga N, Al-Humimat G, Petroll M, Kooner KS. Medication load and comorbidities in glaucoma. Poster presented at the annual meeting of The American Glaucoma Society, Washington DC February 27-March 1,2020.
38. Tunga N, Ahuja P, Wang C, Angirekula A, Pradhan R, Al-Humimat G, Petroll M, Kooner KS. Glaucoma caregivers. Poster presented at the annual meeting of The American Glaucoma Society, Washington DC February 27-March 1,2020.
39. Pradhan R, Tunga N, Ahuja P, Wang C, Angirekula A, Al-Humimat G,

- Petroll M, Kooner KS. Foveal avascular zone in glaucoma. Poster presented at the annual meeting of The American Glaucoma Society, Washington DC February 27-March 1,2020.
40. Wang C, Pradhan R, Tunga N, Ahuja P, Angirekula A, Al-Humimat G, Petroll M, Kooner KS. Improving compliance and patient physician dialogue in glaucoma. Poster presented at the annual meeting of The American Glaucoma Society, Washington DC February 27-March 1,2020.
 41. Angirekula A, Wang C, Pradhan R, Tunga N, Ahuja P, Al-Humimat G, Petroll M, Kooner KS. Myopia normative database: OCTA analysis. Talk presented at the annual meeting of The American Glaucoma Society, Washington DC February 27-March 1,2020.
 42. Awkal, JA, Shariff MA, Angirekula A, Zuberi H, Kooner KS. Artificial intelligence in the diagnosis of glaucoma using optical coherence tomography angiography. Presented at the annual meeting of the Gulf Coast Undergraduate Research Symposium. October 31, 2020.
 43. Kooner KS, Angirekula A, Treacher A, Marzban MF, Al-Humimat G, Awkal J, Pradhan R, Chen A, Abdallah H, Ahuja P, Wang C, Tunga N, Zuberi H, Montillo A. Optical Coherence Tomography Angiography and Machine Learning Based Glaucoma Diagnosis. Presented at the Annual Virtual Meeting of the American Glaucoma Society, March 4-7, 2021.
 44. Davis, A., Hurd, A., Tong, B., Strauss, C., Gu, J., Wooliscroft, J. Kooner, K. Importance of axial length in OCT optic disc measurements. Presented at the American Glaucoma Society Annual Virtual Meeting March 4-7, 2021.
 45. Davis, A., Hurd, A., Tong, B., Strauss, C., Gu, J., Wooliscroft, Kooner, K. OCTA optic disc measurements corrected using axial length. 59th Annual Medical Student Research Forum at UT Southwestern, January 2021.
 46. Shariff, M; Zaki, A; Mani B; Awkal, J; Kooner, K. Graphene based contact lens sensor for semi-continuous intraocular pressure monitoring. Presented at the virtual 10th Anniversary symposium, UTD, Dallas, April 8-10, 2021. First place award.
 47. Strauss C, Hurd, A, Davis A, Tong B, Gu, Jane, Wooliscroft J, Bhatnagar S, Kooner KS. Racial differences in optical coherence tomography angiography (OCTA) among subjects without glaucoma. Presented at the annual meeting of ASCRS, Las Vegas, NV, July 23-27,2021. Second place.
 48. Bhatnagar B, Hurd, A, Davis A, Angirekula A, Tony B, Strauss C. Gu

Jane, Wooliscroft J, Petroll M, Kooner KS. Diagnosing glaucoma in myopic patients using optical coherence tomography angiography. Presented at the annual meeting of ASCRS, Las Vegas, NV, July 23-27,2021.

49. Zuberi H, Angirekula A, Kooner KS. Evolution of glaucoma surgery: contributions of ancient Indian (600-200BC) and Chinese (200-800 AD) physicians. Presented at the annual meeting of ASCRS, Las Vegas, NV, July 23-27,2021.
50. Angirekula, A Zuberi H, Kooner KS. Evolution of glaucoma surgery: contributions of Egyptian medicine (2270-1000A). Presented at the annual meeting of ASCRS, Las Vegas, NV, July 23-27,2021.
51. Gu J, Bhatnagar B, Hurd A, Davis A, Angirekula A, Strauss C, Wooliscroft J, Kooner KS. Primary open angle glaucoma, Hypertension, Type II diabetes: finding a common link. Presented at the annual meeting of ASCRS, Las Vegas, NV, July 23-27,2021.
52. Wooliscroft J, Corcoran KJ, Kooner KS. Trends in glaucoma procedures in Medicare beneficiaries from 1994-2018. Presented at the annual meeting of ASCRS, Las Vegas, NV, July 23-2, 2021.

H. Course Director:

1. Annual Ophthalmology Review Course for Primary Care Physicians, UTSW 1987-current.
2. Course Instructor: American Academy of Ophthalmology Annual Meeting Chicago 2018- current. LAB # 113A.Imaging of the Optic Nerve and Nerve fibers.

I. Professional Organizations:

1. American Medical Association, 1982-present.
2. American Academy of Ophthalmology, 1982 –present.
3. Association for Research in Vision and Ophthalmology, 1982-2016
4. American Glaucoma Society, 1998-present.

J. Committee Memberships:

1986 Chairman, On Call and Leave Schedule Committee
E. A. Conway Hospital, Monroe, Louisiana

- 1986-1988 Executive Medical Staff Committee
E. A. Conway Hospital, Monroe, Louisiana
- 1986-1988 Executive Faculty (LSU), E. A. Conway Hospital, Monroe,
Louisiana.
- 2003 Continuing Education Advisory Council, UT Southwestern
Medical Center, Dallas, Texas
- 2002- 2006 Medical Director for Texas, Opticare Eye Health Network Texas,
Rock Mount, North Carolina 27804.
- 2004-2005 Executive Board Member, Dallas Academy of Ophthalmology.
- 2005- 2008 Member Finance Committee, American Glaucoma Society.

Volunteer Work in Civic Organizations:

1. March 1975 Participated in the set-up and running of an eye camp in Ferozepur, India.
2. December 1985 Free eye examinations at Navajo Indian Reservation in Arizona.
3. March 1986 Glaucoma screening - Chandler Community Hospital, Chandler, AZ.
4. October 31, 1987 Glaucoma screening - Grambling State University, Grambling, LA.
5. 1998 – Present ORBIS (Flying Eye Hospital, New York, NY)-sponsored missions to Bangladesh, China, Cuba, Peru.
6. 1998 – Present World Eye Mission (Albion, Michigan) sponsored missions to Guatemala, Nicaragua, Venezuela, and Haiti.
7. 2006 -The Congressional Glaucoma Caucus Foundation (Lake Success, NY). Volunteer Ophthalmologist.
8. November 2009 ORBIS mission in Nanning CHINA.
9. September 2010 ORBIS mission in Kunming, CHINA.

10. May 2012 ORBIS mission Lanzhou, CHINA.
11. April 2017 ORBIS mission Yaoundé, CAMEROON.

Awards, Lectureships or Prizes:

1966-1974 Government of India National Merit Scholarship

1975-1977 University of Gent, Belgium Scholarship

1983, 1986 Physician's Recognition Award (AMA).

2011 Dr. AD Grover Memorial Oration Award, for outstanding achievement in ophthalmology XXIV Annual Conference of the Chandigarh Ophthalmological Society, India. September 3-4, 2011.

2019. U-HACK MED. November 10, 2019, UTSW. Startup Success Award and Effective Visualization Award. Topic: Optical Coherence Tomography Angiography (OCTA) in glaucoma.

2020. Achievement Award: American Academy of Ophthalmology.

2020. Jacob Awkal, Hebah Abdalla, Jimmy Azarnoosh, Jeremy Warren, Karanjit S Kooner. Big Idea Competition, 11.19.20, Squid Glaucoma Shunt, first place winner, \$25 K, University of Texas at Dallas (UTD).

2021. Shariff, M; Zaki, A; Mani B; Awkal, J; Kooner, K. Graphene based contact lens sensor for semi-continuous intraocular pressure monitoring. Presented at the virtual 10th Anniversary symposium, UTD, Dallas, April 8-10, 2021. First place award, \$ 500.

2021. Strauss C, Hurd, A, Davis A, Tong B, Gu, Jane, Wooliscroft J, Bhatnagar S, Kooner KS. Racial differences in optical coherence tomography angiography (OCTA) among subjects without glaucoma. Presented at the annual meeting of ASCRS, Las Vegas, NV, July 23-27,2021. Second place.

2021. Winning Pitch Challenge, American Society of Cataract and Refractive Surgery (ASCRS). Squid Glaucoma Shunt. Third place award \$5 K. July 26,2021.

Student projects:

2020. MPH (School of Public Health, Houston), Alex Yang, medical student, May 2020 Role of OCTA in Glaucoma.

2020-21. Research with distinction: Role of hypertension, and diabetes in glaucoma, medical student Betty Tong. Primary dissertation chairman

- Patents:**
- 6.4.20. US Patent 63/034,527 2020 (pending) Eye Shunt and Methods.
 - 6.4.20. US Patent 29/736,954,2020(pending) Forceps

Major Areas of Research Interest:

1. Dallas Glaucoma Registry
2. Natural history and epidemiology of legal blindness in glaucoma
3. Glaucoma surgery, MIGS, Micropulse laser trabeculoplasty
4. Optical coherence tomography angiography (OCTA) in glaucoma
5. Noncompliance in glaucoma\
6. Squid Glaucoma Shunt
7. Artificial intelligence in glaucoma using optical coherence tomography angiography (OCTA).
8. Smart contact lens for semi-continuous intraocular pressure measurement.
9. Evolution of glaucoma surgery.