

ARVIND NEELAKANTAN MD, FRCOphth

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Dallas, TX 75231

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- Current Position** **Physician / CEO**
 Glaucoma Center of Texas
 9600 N. Central Expressway, Ste 300
 Dallas, TX 75231
 February 2013 - present
- Associate Professor of Clinical Ophthalmology**
 Dept. of Ophthalmology
 UT Southwestern Medical Center
 Dallas, TX
- Medical School** University of Bombay, India.
 July 1983 - Nov. 1987
- Internship** **Surgery**
 University of Florida, Gainesville
 July 2002 – June 2003
- Residency** **Ophthalmology**
 University of Florida, Gainesville
 July 2003 – June 2006
- Fellowships** **Glaucoma**
 Bascom Palmer Eye Institute
 University of Miami, Miami
 July 2006 – June 2007
- Glaucoma Research (Post-Doc)**
 Dept. of Ophthalmology,
 University of Florida, Gainesville
 June 2000 - June 2002
- Glaucoma**
 Moorfields Eye Hospital, London, UK.
 Feb. 1999 – Feb. 2000
- Glaucoma**
 Sankara Nethralaya, Medical Research Foundation,
 Chennai, India.
 August 1992 – August 1993

Medical Licensure Texas # M5851, Feb 2007

Previous position **Physician & Partner**
 Glaucoma Associates of Texas
 10740 N. Central Expressway, Ste 300
 Dallas, TX 75231
 August 2007 – January 2013

Other training **Ophthalmology Residency**
 West of Scotland Rotational Training Program
 University of Glasgow, Scotland, UK.
 April 1995 - January 1999

Ophthalmology Residency
 B.Y.L. Nair Ch. Hospital & T. N. Medical College
 University of Bombay, India.
 February 1989 – January 1992

Academic distinctions & prizes

Achievement Award	American Academy of Ophthalmology	Oct. 2014
ARVO Travel Fellowship Grant	National Eye Institute, Bethesda, MD	April 2001
Wallace Foulds Trophy Runner-up presentation	Royal College of Ophthalmologists Annual Congress, Glasgow	April 1998
First prize for the best paper presentation	Scottish Ophthalmological Club Meeting, Glasgow	Mar. 1997
Dr. Sriram Sonty prize for the best paper presentation	Annual Meeting of the Glaucoma Society of India, Madras, India.	Dec.1993
Dr. Menino de Souza Award for the "Best All Round Student"	Medical Welfare Trust, Bombay, India.	1988 - 89
Distinction in Eye & ENT	University of Bombay, India.	Oct. 1987
Ophthalmology Competitive Examination	University of Bombay, India.	May 1987
Distinction in Human Physiology	University of Bombay, India.	Oct. 1984
Distinction in Biochemistry	University of Bombay, India.	Oct. 1984

Publications (Peer Reviewed Journals):

1. Khan M, Saheb H, **Neelakantan A**, Fellman R, Vest Z, Harasymowycz P, Ahmed II
Efficacy and safety of combined cataract surgery with 2 trabecular microbypass stents versus ab interno trabeculotomy
J Cataract Refract Surg. 2015 Aug;41(8):1716-24
2. Mwanza JC, Budenz DL, Godfrey DG, **Neelakantan A**, Sayyad FE, Chang RT, Lee RK
Diagnostic performance of Optical Coherence Tomography Ganglion Cell-
Inner Plexiform Layer Thickness Measurements in Early Glaucoma
Ophthalmology 2014 April; 121:849-54
3. Mwanza JC, Warren JL, Budenz DL, Ganglion Cell Analysis Study Group
Combining spectral domain optical coherence tomography structural
parameters for the diagnosis of glaucoma with early visual field loss.
Invest Ophthalmol Vis Sci 2013 Dec 30;54(13):8393-400.
4. Mwanza JC, Durbin MK, Budenz DL, Sayyad FE, Chang RT, **Neelakantan A**, Godfrey DG, Carter R, Crandall AS
Glaucoma Diagnostic Accuracy of Ganglion Cell-Inner Plexiform Layer
Thickness: Comparison with Nerve Fiber layer Thickness and Optic Nerve Head
Ophthalmology 2012 June; 119:1151-8
5. Godfrey DG, Fellman RL, **Neelakantan A**
A Canal Surgery in adult glaucomas
Curr Opin Ophthalmol 2009 Mar; 20:116-121
6. Peden MC, **Neelakantan A**, Orlando C, Khan SA, Lessner A, Bhatti MT
Breaking the Mold of Orbital Cellulitis
Surv Ophthalmol 2008 Nov-Dec; 53: 631-635.
7. Sherwood MB, Esson DW, **Neelakantan A**, Samuelson DA. A
New Model of Glaucoma Filtering Surgery in the Rat.
J Glaucoma. 2004 Oct; 13(5): 407-412.
8. **Neelakantan A**, Vaishnav HD, Iyer SA, Sherwood MB.
Is addition of a third or fourth antiglaucoma medication effective?
J Glaucoma. 2004 Apr; 13(2): 130-6.
9. Esson DW, **Neelakantan A**, Iyer SA, Blalock TD, Balasubramanian L,
Grotendorst GR, Schultz GS, Sherwood MB.
Expression of connective tissue growth factor after glaucoma filtration
surgery in a rabbit model.
Invest Ophthalmol Vis Sci. 2004 Feb; 45(2): 485-91.
10. **Neelakantan A**, Rao BS, Vijaya L, Krishnan N, Priya VS.
Single-plate Molteno implants in complicated glaucomas: results, survival
rates, and complications.
Indian J Ophthalmol. 1994 Dec; 42(4): 193-7.
11. Biswas J, **Neelakantan A**, Rao BS.
Adenoma of nonpigmented epithelium of the ciliary body presenting as
anterior uveitis and glaucoma: a case report.
Indian J Ophthalmol. 1995 Sep; 43(3): 137-40.
12. Madhavan HN, Rao SB, Vijaya L, **Neelakantan A**.
In vitro sensitivity of human Tenon's capsule fibroblasts to mitomycin C
and its correlation with outcome of glaucoma filtration surgery.
Ophthalmic Surg. 1995 Jan-Feb; 26(1): 61-7.

13. **Neelakantan A**, Rao BS, Vijaya L, Grandham SB, Krishnan N, Priya VS, Murugesan R.
Effect of the concentration and duration of application of mitomycin C in trabeculectomy.
Ophthalmic Surg. 1994 Sep-Oct; 25(9): 612-5.
14. **Neelakantan A**, Venkataramakrishnan P, Rao BS, Krishnan N, Vijaya L, John S, Kar B.
Familial nanophthalmos: management and complications.
Indian J Ophthalmol. 1994 Sep; 42(3): 139-43.

Book Chapters

1. Wound Healing: Indications
Neelakantan A and RK Parrish II
Glaucoma, 2nd Ed Shaarawy T, Sherwood MB, Hitchings RA and Crowston JG, Saunders Ltd.
2. Combined glaucoma and cataract surgery
Fellman RL, Starita RJ, Godfrey DG and **Neelakantan A**
Duane's Ophthalmology on DVD ROM, 1st DVD Ed., Tasman W and Jaeger EA. Lippincott Williams & Wilkins.
3. Combined cataract and glaucoma surgery
Neelakantan A, Smith MF, Doyle JW, Fanous MM and Sherwood MB Atlas of glaucoma, 3rd Ed Choplin NT, Informa Healthcare

American Glaucoma Society Presentations

1. Ultrasound Biomicroscopy findings after Supraciliary Shunt placement in patients with Glaucoma
Smith OU, **Neelakantan A**, Fellman RL
AGS Annual Meeting, San Francisco, CA, March 2013
2. Toric IOL in Glaucoma patients
Smith O, Grover DS, **Neelakantan A**, Godfrey DG, Fellman RL
AGS Annual Meeting, New York, NY March 2012
3. Comparison of the P50, P200 and R50 Ex-PRESS Glaucoma Filtration Devices **Neelakantan A**, Godfrey DG and Fellman RL
AGS Annual Meeting, Dana Point, CA March 2011
4. Clinical Outcomes of Trabectome Surgery in Open Angle Glaucoma
Vest Z, Godfrey DG, Fellman RL and **Neelakantan A**
AGS Annual Meeting, Dana Point, CA , March 2011

American Academy of Ophthalmology Presentations

1. Comparison of Combined Cataract Surgery with iStent vs. Trabectome
Khan M, Saheb H, Harasymowycz PJ, **Neelakantan A**, Vest ZD, Fellman RL, Ahmed IK
AAO, New Orleans, November 2013
2. Safety and surgical outcomes of suprachoroidal micro-stent implantation as a stand-alone treatment for open-angle glaucoma
QH Nguyen, WJ Flynn, S Lee, **A Neelakantan**, T Ianchulev
AAO, Chicago, November 2012
3. Is addition of a Third or Fourth Anti-glaucoma medication effective?
HD Vaishnav, **A Neelakantan**, SA Iyer, MB Sherwood

- AAO, New Orleans, November 2001
4. Long-term results of Double Plate Molteno Implants SA Iyer, **A Neelakantan**, HD Vaishnav, MB Sherwood
AAO, New Orleans, November 2001.
 5. Effect of Concentration and duration of exposure to Mitomycin-C in trabeculectomy.
B Sridhar Rao, **A Neelakantan**, L Vijaya, N Krishnan et al.
AAO, Chicago, November 1993.

American Academy of Ophthalmology Instruction Courses

1. Computerized Scanning Imaging of the Optic Nerve and Retinal Nerve Fiber Layer
Chicago 2014, Las Vegas 2015
2. Canal, Trab or Tube: What should I do?
Senior Instructor, Chicago 2012, New Orleans 2013
3. Does Ancillary testing help with Glaucoma Diagnosis and Management?
Senior Instructor, Atlanta 2008, San Francisco 2009.
4. Through the Eyes of the Surgeon: 3-D enhanced Video Course on Glaucoma Surgery. Instructor, San Francisco 2009, Chicago 2010.
5. Can Gonioscopy be replaced?
Instructor, “Update your Anterior Chamber Angle Skills: How to best examine, grade and treat”, Atlanta 2008, San Francisco 2009, Chicago 2010, 2012, New Orleans 2013, Chicago 2014.
6. Child with Big eyes: What do I do?
Moderator, Breakfast with Experts Roundtable, AAO, Atlanta, November 2008.

ARVO Posters

1. Revisiting Fornix- vs. Limbus-based Conjunctival Flaps in MMC Trabeculectomy: A Comparison of Bleb Morphology.
A Neelakantan, JM Davis, SA Iyer, JW Doyle, MF Smith, ARVO 2005
2. Topical Steroid Challenge Prior to Intravitreal Kenalog Injection: Does it Prevent IOP Spikes.
JA Feistmann, **A Neelakantan**, HD Vaishnav, WC Lara, S Kaushal, MD Conway, R Ratnakaram, ARVO 2005
3. A New Model of Glaucoma Filtering Surgery in the Rat.
Esson DW, MB Sherwood, **A Neelakantan**, M Fife, ARVO 2004
4. Expression of Connective Tissue Growth Factor (CTGF) after Glaucoma filtration Surgery in a Rabbit Model.
5. DW Esson, **A Neelakantan**, SA Iyer, TD Blalock, L Balasubramanian, Grotendorst GR, Schultz GS, Sherwood MB, ARVO 2003
6. Mid-term results of Double-Plate Molteno Implants in the treatment of Pediatric glaucomas
SA Iyer, **A Neelakantan**, HD Vaishnav, JD Gross, MB Sherwood, ARVO 2002
7. Localized Expression of Connective tissue Growth Factor (CTGF) after Glaucoma filtration Surgery in a Rabbit Model.
A Neelakantan, TD Blalock, HD Vaishnav, L Balasubramanian, GS Schultz MB Sherwood, ARVO 2001
8. Humoral Immune response in a naturally occurring Rhesus model of ocular hypertension
BL Jordan, WW Dawson, H Tabandeh, **A Neelakantan**, ARVO 2001

9. Optic Disc characteristics of patients with Pigment Dispersion syndrome **A Neelakantan**, J Tan, M Balidis, C Bunce, M Miller, R Wormald and RA Hitchings, ARVO 2000
10. Comparison of Motion Perception, Planimetric measures and standard diagnostic tests in normals and primary open angle glaucoma.
ES MacMillan, LS Gray, **A Neelakantan**, C Weir, D Barr and WH Ridder, ARVO 1997.

Invited Lectures

1. MIGS Update
Glaucoma Society of India 25th Annual Meeting, Mumbai, October 2015
2. Cataract with POAG controlled with Monotherapy: Cataract surgery alone
Glaucoma Society of India 25th Annual Meeting, Mumbai, October 2015
3. Clinical Pearls for Glaucoma Clinical Trials
Glaucoma Society of India 25th Annual Meeting, Mumbai, October 2015
4. Minimally Invasive Glaucoma Surgery (MIGS)
World Glaucoma Congress, Hong Kong, June 2015
5. Approaches for Leaking and Overfiltering Blebs
World Glaucoma Congress, Hong Kong, June 2015
6. Cataract with POAG controlled with Monotherapy: Cataract surgery alone
World Glaucoma Congress, Hong Kong, June 2015
7. Ancillary testing for Glaucoma: How to improve patient care ASORN Ophthalmic Update, Fort Worth, April 2015
8. Angle Surgery for Adult Glaucoma
Glaucoma Subspecialty Day
World Ophthalmology Congress, Tokyo, April 2014
9. Minimally Invasive Glaucoma Surgery (MIGS) Update
Texas Ophthalmological Association Annual Meeting, Fort Worth, April 2014
10. To Preserve or not to Preserve: is that the question? BAK is BAD
John R. Lynn Lectureship in Ophthalmology,
UT Southwestern Medical Center, Dallas, May 2013
11. What have we learnt from Clinical trials in Glaucoma?
ASORN Ophthalmic Update, Fort Worth, April 2013
12. How to tailor the right glaucoma procedure for a specific patient?
Asia Pacific Academy of Ophthalmology Congress (APAO-AIOS 2013)
Hyderabad, India, January 2013
13. New approaches in Glaucoma Surgery
Glaucoma Society of India Annual Meeting Coimbatore, India, October 2012
14. Ancillary testing for glaucoma: how to improve patient care? Visiting Professor, Queens University
Kingston, Canada, November 2102
15. Clinical Pearls in Glaucoma Surgery
Young Guns of Glaucoma Meeting,
New York, May 2012
16. Practice of Glaucoma: Efficiency and other Business aspects
Young Guns of Glaucoma Meeting,
New York, May 2012
17. If you Can't close the Conjunctiva: You Can't win the Game
Glaucoma Day, ASCRS Annual Meeting

- Chicago, IL, April 2012
18. Gonioscopy and Anterior Segment Imaging
UF Ophthalmology 50th Anniversary Reunion and Scientific Meeting, University of Florida, Gainesville, FL March 2012
 19. Glaucoma Potpourri
John R. Lynn Lectureship in Ophthalmology,
UT Southwestern Medical Center, Dallas, May 2011
 20. Glaucoma 2010
TNMC Global Alumni CME Meeting, Jersey City, NJ, August 2010
 21. Glaucoma Surgery Update
Residents Day, University of Florida, Gainesville, FL June 2010
 22. Ancillary testing for glaucoma: How to improve patient care
32nd Annual Dallas Spring Ophthalmology Symposium
Dallas, April 2010
 23. "Blebless" Glaucoma Surgery
Korean Ophthalmological Society Meeting
Wilmer Eye Institute, Baltimore, March 2010
 24. Gonioscopy and Anterior Segment Imaging
Dallas County Optometric Society, November 2009
 25. Current Concepts in Glaucoma Surgery
ASORN Ophthalmic Update, Fort Worth, July 2009
 26. Ocular surface disease and the glaucoma patient
31st Annual Dallas Spring Ophthalmology
Symposium Dallas, April 2009
 27. Glaucoma Surgery Update
Sankara Nethralaya, Chennai, India, December 2008
 28. RNFL Imaging: Structure-function correlation
Aravind Eye Hospitals, Pondicherry, India, December 2008
 29. RNFL Imaging: Current Concepts
John R. Lynn Lectureship in Ophthalmology,
UT Southwestern Medical Center, Dallas, May 2008
 30. Glaucoma Surgery Update
30th Annual Dallas Spring Ophthalmology
Symposium Dallas, April 2008
 31. Measuring Intraocular Pressure: Highs and Lows
ASORN Meeting, Dallas, February 2008
 32. Bubble Trouble
Glaucoma Associates of Texas 25th Anniversary Meeting, Dallas, Oct 2008
 33. Developmental Glaucomas
AAO Southern Regional Orthoptic Meeting, Gainesville, June 2005
 34. Bleb Infections
Grand Rounds, Dept. of Ophthalmology, Univ. of Florida, Gainesville, Nov 2000.
 35. Pigment Dispersion Syndrome
Medical Research Foundation, Chennai, India, Mar 2000
 36. Pigment Dispersion Syndrome
Glaucoma Rounds, Moorfields Eye Hospital, London, Jan 2000.
 37. Biometry and Tonometry Course
British Orthoptic Society, Glasgow, Sept 1996

Other Presentations

1. Comparison of Canaloplasty and Trabectome Surgery in the treatment of Open Angle Glaucoma.
Bhatt A, Vest Z, Fellman RL, Godfrey DG, **Neelakantan A**
Residents Day 2011, UT Southwestern Medical Center, Dallas, June 2011
2. Clinical Outcomes of Trabectome Surgery in Open Angle Glaucoma
Vest Z, Godfrey DG, Fellman RL and **Neelakantan A**
Residents Day 2010, UT Southwestern Medical Center, Dallas, June 2010
3. Retinal Nerve Fiber Layer (RNFL) Measurement comparing Spectral Domain Optical Coherence Tomography (SD OCT) with Stratus OCT™.
A. Neelakantan, DL Budenz
Residents Day 2007, Bascom Palmer Eye Institute, Miami, June 2007
4. A Rare case of Inflammatory Myofibroblastic Tumor in the Orbit **A Neelakantan**, B Ginsberg, D Mills, JR Reith, AM
Lessner ASOPRS Annual Meeting, New Orleans, Oct 2004
5. Comparison of White-on-White and Short Wavelength Automated Perimetry (SWAP) and correlation of global indices with optic nerve head measurements.
A Neelakantan, ES MacMillan, C Weir, LS Gray and DB Barr
Royal College of Ophthalmologists Annual Congress, Glasgow, Apr 1998
6. Retinopathy of Pancreatitis - A case report
A Neelakantan, HM Hammer, T Barrie
Medical Ophthalmological Society Annual Meeting, London, Feb 1998.
7. Mitomycin trabeculectomy for glaucoma with poor surgical prognosis compared with standard trabeculectomy with good prognosis.
A Neelakantan, JFJ Stewart and JL Jay
Joint Meeting of the Scottish Ophthalmological Club and the Icelandic Ophthalmological Society, Reykjavik, Jun 1997.
8. Secondary orbital implants: Current management concepts.
A Neelakantan, L Webb and E Kemp.
Scottish Ophthalmological Club Meeting, Dumfries, Scotland, Oct 1996.
9. Correlation of In vitro sensitivity of Mitomycin-C to clinical success or failure
A Neelakantan, HN Madhavan, B Sridhar Rao and L Vijaya.
Glaucoma Society of India Annual Meeting, Madras, India, Dec 1993.

Research Protocols (Previous)

@ Glaucoma Center of Texas

1. Principal Investigator, Study FSV5-MKT-001, Protocol Sponsor: ForSight VISION5, Menlo Park, CA

@ Glaucoma Associates of Texas

1. Principal Investigator, Study # 192042-041D, Protocol Sponsor: Allergan , Inc.
2. Principal Investigator, COMPASS Clinical Study, Protocol Sponsor: Transcend Medical
3. Principal Investigator, GMA-LUM-11-019 Study, Protocol Sponsor: Allergan, Inc.
4. Sub-investigator, Primary Tube vs. Trabeculectomy Study (PTVT), Protocol Sponsor: University of Miami, FL
5. Sub-investigator, Gold Shunt Study, Protocol Sponsor: SOLX, Inc.
6. Sub-investigator, RIGOR Registry
7. Sub-investigator, Ologen versus MMC Study

Other Academic positions and society memberships

1. Councilor, Executive Council, Texas Ophthalmological Association, 2011 - present
2. President, Dallas Academy of Ophthalmology, 2015-16 (Current)
3. Fellow American Academy of Ophthalmology (AAO)
4. Member American Glaucoma Society (AGS)
5. Member Association for Research in Vision and Ophthalmology (ARVO)
6. Member American Society of Cataract and Refractive Surgery (ASCRS)
7. Member Dallas County Medical Society
8. Fellow Royal College of Ophthalmologists, UK
9. Fellow Royal College of Surgeons, Edinburgh, Scotland, UK