

CURRICULUM VITAE

I. PERSONAL DATA

Name: Alan Lee Robin
Current Appointments: Associate Professor, Ophthalmology
School of Medicine
Johns Hopkins University
Adjunct Associate Professor,
International Health
Bloomberg School of Public
Health
Johns Hopkins University
Clinical Professor
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Phone Number: (410) 308-2021
Date of Birth: 2 September, 1948
Place of Birth: Chicago, Illinois, U.S.A.
Present Age: 62 years
Citizenship: USA
Sex: Male
Marital Status: Married
Dependents: Two

II. EDUCATION AND PROFESSIONAL TRAINING

1962-1966 New Trier High School, Winnetka, Illinois.
1966-1970 Yale University, New Haven, Connecticut; B.A.
1970-1974 Tufts University School of Medicine, Boston,
Massachusetts; M.D.

- 1974-1975 Rochester General Hospital, Rochester, New York, Internal Medicine Intern.
- 1975-1978 Greater Baltimore Medical Center, Baltimore, Maryland; Resident and Chief Resident, Ophthalmology.
- 1978-1979 Wilmer Institute, Johns Hopkins Hospital, Baltimore; Maryland, Postdoctoral Fellow in Glaucoma.

III. PROFESSIONAL EXPERIENCE

- 1979-1982 Instructor of Ophthalmology, Johns Hopkins University
- 1982-1986 Assistant Professor of Ophthalmology, Johns Hopkins University
- 1986-Present Associate Professor of Ophthalmology, Johns Hopkins University
- 1991-Present Joint Appointment, Associate Professor, Department of International Health, School of Hygiene and Public Health, Johns Hopkins University
- 1995-1998 Associate Professor of Ophthalmology, University of Maryland School of Medicine, Baltimore
- 1998-Present Professor of Ophthalmology, University of Maryland School of Medicine, Baltimore
- 1999-Present Professor of Ophthalmology, Veterans Administration System, Baltimore, Maryland
- 2009-Present Examiner, American Board of Ophthalmology
- 2011-Present Professor of Ophthalmology, Kathmandu (Nepal) University

IV. LICENSURE AND CERTIFICATION

- 1975 New York State License
- 1975 Maryland State License
- 1979 American Board of Ophthalmology
- 1990 Pennsylvania State License

V. HONORS AND AWARDS

- 1978 Greater Baltimore Medical Center, Resident Publication Award
- 1978-1979 Heed Fellow
- 1979 ARVO Travel Award.
- 1982 First Prize, Scientific Exhibit. The Use of Lasers in Glaucoma. American Academy of Ophthalmology, San Francisco
- 1988 American Academy of Ophthalmology, Honor Award
- 1988 Alcon Laboratories, Research Excellence Award
- 1989 American Ophthalmological Society, Associate Member
- 1989 Honorary Member, Nepal Ophthalmological Society

1992 Honorary Member, Indian Glaucoma Society
1997 Janice Kushner Memorial Lecture for International Glaucoma Association
(London, England)
1998 American Academy of Ophthalmology Senior Honor Award
1998 Attending Of The Year: Greater Baltimore Medical Center, Baltimore, Maryland
2002 Who's Who in the 21st Century
2002 Who's Who in America
2002- 2011 America's Top Doctors
2002 *Baltimore Magazine's* Baltimore's Top Doctors
2002 Program Director, Joint Bloomberg School of Public Health and Wilmer Institute
Symposium on Ethnicity and Glaucoma
2003 Life Time Member Global Directory of Who's Who
2002-2008 Scientific Advisory Board, Alcon Laboratories, Inc.
2004 American Glaucoma Society Nominee for the American Academy of
Ophthalmology Humanitarian Award
2005 American Academy of Ophthalmology Outstanding Humanitarian Service Award
2005-2010 Best Doctors in Maryland
2006 Membership in Glaucoma Research Society
2007 Top Winner, Maryland Health Care Hero, March, 2007
2007 Baltimore Magazine Top Doctor
2008 Hawaiian Eye Meeting Speaker of the Day
2010 Hawaiian Eye Meeting Speaker of the Day
2010 Association of Research in Vision and Ophthalmology Silver Fellow Award
2010 American Academy of Ophthalmology Secretariat Award
2010 Baltimore Magazine Top Doctor

VI. PROFESSIONAL AFFILIATIONS

1979-Present Johns Hopkins Hospital, Baltimore, Maryland, Staff
1979-Present Greater Baltimore Medical Center, Baltimore, Maryland; Active Staff and
Co-Chairman, Glaucoma Section
1979-1985 American Medical Association, Member
1979-Present American Academy of Ophthalmology, Member
1979-Present Association for Research in Vision and Ophthalmology, Member
1979-1985 Yale Alumni School Committee, Member
1979-1989 Baltimore City Medical Society, Member
1979-1995 Maryland Society for Eye Physicians and Surgeons, Member
1980-1988 Good Samaritan Hospital, Baltimore, Maryland; Active Staff
1981-1995 Sinai Hospital, Baltimore, Maryland; Active Staff and Co-director, Glaucoma
Service
1982-1990 Annual Glaucomatologists Learning Ensemble (ANGLE), Member
1982-2008 Co-founder and Moderator, Midwinter Glaucoma Symposium
1982-1992 Editor, Proceedings of the Midwinter Glaucoma Symposium
1984-1988 Coherent Medical, Medical Advisory Board

1984-1986 Maryland Society for the Prevention of Blindness, Vice-President
 1986-Present American Glaucoma Society, Charter Member
 1986-Present International Association to Prevent Blindness, Member
 1988-2000 Seva Foundation, Glaucoma Consultant
 1988-1994 Allergan Inc, Medical Advisory Board
 1988-1995 Alcon Laboratories Inc, Medical Advisory Board
 1991-1996 Chairman, American Academy of Ophthalmology subcommittee on Ophthalmic
 Instruments and Maintenance (Committee on International Ophthalmology)
 1991-1998 Member, American Academy of Ophthalmology committee on International
 Ophthalmology
 1991-1993 Baltimore County Medical Society
 1991-1992 Member, Program Committee, American Glaucoma Society
 1994-1998 Association for Ocular Pharmacology and Therapeutics
 1995-2001 Member, American Academy of Ophthalmology Committee on Procedure
 Assessments
 1996-2001 Board Member, International Eye Foundation
 1997-2005 Member, American Society for Cataract and Refractive Surgeons, Member
 Glaucoma Special Interest Group
 1997-2001 Member, International Advisory Committee, TBI/Tissue Banks International
 1994-present Executive Committee, Greater Baltimore Medical Center Ophthalmology
 Residency Program
 1996- 2004 Consultant, Maryland Board of Optometry Quality Enhancement and
 Improvement Committee.
 1998- 2005 Member, Curriculum committee, ORBIS International
 1999- Present Board of Trustees, Friends Of Aravind Eye Hospital Charitable Trust
 2008- 2010 Foundation Fighting Blindness Baltimore Chapter, board of directors
 2010-Present Advisory Board, Tissue Banks International/International Federation of Eye and
 Tissue Banks
 2011-Present Member, American Glaucoma Society Health Care Policy and Advocacy
 Subcommittee of the Patient Care committee

VII. EDITORIAL APPOINTMENTS

1983-Present Archives of Ophthalmology, Editorial Reviewer
 1985-Present Ophthalmology, Editorial Reviewer
 1985-1989 Ophthalmic Laser Therapy, Editorial Board
 1986-1997 American Society of Hospital Pharmacists, Reviewer for AHFS Drug
 Information
 1988-Present American Journal of Ophthalmology, Editorial Reviewer
 1996-Present Ophthalmic Epidemiology, Editorial Reviewer
 1994-Present Journal of Glaucoma, Editorial Reviewer
 1988-Present World Health Organization, Consultant

1988-Present Nepal Eye Hospital, Katmandu, Nepal; Glaucoma Advisory Panel
 1989-Present Aravind Medical Center, Madurai, India; Glaucoma Consultant and Co-Director Glaucoma Center
 1995-Present Editorial Advisory Board, *Primary Care Optometry News*
 1995- Guest Editor, *Journal of Glaucoma*,
 1995- Present Glaucoma Editorial Panel, *Ocular Surgery News*
 1996- Present Editorial Panel, *Eye World News*
 1997- Present Editorial Panel, *Review of Ophthalmology*
 1997- Present Member Special Interest Panel, American Society of Cataract and Refractive Surgeons
 1998- 2000 Present Editorial Panel, *Ophthalmology Capsule and Comment*
 1998- 2002 Editorial Panel, *Graefe's Archive of Ophthalmology*
 2000- Present Editorial Panel *Indian Journal of Ophthalmology*
 2001-2002 Chief Medical Editor, *Vision and Aging*
 2002-2005 Chief Medical Editor, *Glaucoma Management News*
 2004-Present Editorial Board, *Eye World News*
 2004 – Present Editorial Board: *Glaucoma Today*
 2004 – 2008 Present Editorial Board: *Ophthalmologia*

VII. INVITED LECTURES AND SYMPOSIA

University of Illinois: 1982, 1983, 1989
 University of South Florida: 1983, 1984, 1985
 New York Eye and Ear Infirmary: 1983
 IVth International Laser Symposium: 1983
 International Glaucoma Symposium (Jerusalem, Israel): 1983
 Creighton University: 1983
 Sinai Hospital (Baltimore, MD): 1983, 1984, 1988, 1989, 1990
 Howard University: 1984
 St. Elizabeth's Medical Center (Dayton, Ohio): 1984
 Greater Baltimore Medical Center: 1984, 1988, 1991
 National Society for the Prevention of Blindness Symposium at the American Academy of Ophthalmology: 1984, 1990
 Washington Hospital Center: 1985, 1988, 1991
 University of Maryland: 1985
 Phillips Eye Institute, Minneapolis, MN: 1985
 Alaska Native Medical Center, Anchorage, Alaska: 1985
 American Intraocular Lens Society, Boston, Mass: 1985
 Wilmer Institute, "Glaucoma '86": 1986
 National Council for International Health, Washington, DC: 1986
 Case Western Reserve University, "Glaucoma Update 1986", 1986
 International Association for the Prevention of Blindness, New Delhi, India; 1986
 Ocular Drug Update on Beta-Blockers, Philadelphia, PA; 1986
 Ocular Drug Update on Non-steroidal Anti-inflammatory drugs, New Orleans; 1986

New Developments in Ocular Therapy, Sinai Hospital, Baltimore, Maryland; March, 1987.
 American Glaucoma Society, Iowa City, Iowa; 1987
 University of California, Irvine, (Ocular Drug Therapy Update); 1987, 1988.
 American Academy of Ophthalmology, Discussion of: Silverstone DE, Novack GD, Kelley E, et al. Prophylaxis Against Post-Surgical and Post-YAG Laser Intraocular Pressure Spikes with Levobunolol, 1987.
 Washington Hospital Center Spring Symposium: "Advances in Glaucoma": April, 1988; April, 1996.
 Third Congress of the European Glaucoma Society: Estoril, Portugal: May, 1988.
 University of California, Davis. "Glaucoma: Under Pressure": 1988.
 Royal Hawaiian Eye Meeting: Kauai, Hawaii, 1989.
 Louisiana State University: 1989.
 Nepal Eye Hospital, Kathmandu, Nepal: 1989.
 Georgia Ophthalmological Society: 1990.
 Chairman, Glaucoma Society of the International Congress of Ophthalmology, Singapore: 1990.
 Invited Speaker, International Congress of Ophthalmology, Singapore: 1990
 American Academy of Ophthalmology, Discussion of: Yaldo MK, Shin DH, Lee SY. The Additive Effects of 1% Apraclonidine to Non-Selective Beta-Blockers, 1990.
 Duke University: 1991.
 University of California, San Diego: 1991.
 New York City Laser Society: 1991.
 Massachusetts Eye and Ear Infirmary, 1991.
 C.U. Shah Ophthalmic Post Graduate Training Centre Medical Research Foundation; Madras, India: 1991.
 Tufts University, 1991
 South East Asian Regional Conference, Kathmandu, Nepal; 1991
 Aravind Eye Hospital and Postgraduate Center, Madurai, India; 1991, 1992
 American Osteopathic College of Ophthalmology and Otolaryngology, Guest Speaker, Washington, DC; 1992
 American Society of Cataract and Refractive Surgery, Panelist and Guest Lecturer, San Diego, 1992
 Michigan Ophthalmologic Society, 1992
 International Society of Eye Research, Invited Speaker. Stresa, Italy. 1992.
 Maryland Society of Eye Physicians and Surgeons, Columbia and Annapolis, Maryland. 1992,1993.
 All India Glaucoma Society. Invited Guest. Madras, India. 1993.
 48th Japanese Congress of Clinical Ophthalmology. Invited Speaker. November 5, 1994.
 American Academy of Ophthalmology and American Glaucoma Society: "Under Pressure". October 29, 1994." Talk entitled "Alpha-agonists: The latest additions."
 Emory University Resident's Day, June 10, 1995.
 European Glaucoma Society, Invited Guest. June 25, 1995; Milan, Italy.
 International Symposium on Experimental and Clinical Ocular Pharmacology and Pharmaceutics, September 30, 1995; Section Co-Chairman; Geneva, Switzerland

International Congress on Glaucoma: Decision Making in Therapy (University eye Clinic of Rome “Tor Vergata”; February 2-4, 1996.

Arthur D. Culler Lecture at the 19th Annual Midwest Glaucoma Symposium, Columbus Ohio, March, 1996.

American Ophthalmological Society: 1993, 1994, 1996

XII International Congress Of Ophthalmology, September, 1996, Yokohama, Japan

VI All India Glaucoma Society, October, 1996, Madurai, India

Maryland Society of Physicians and Surgeons, 1996 Scientific Assembly: “What’s Up in Ophthalmology Besides the Pressure”; September 20, 1996

University of Maryland, Surgical Dilemmas in Glaucoma Management, Baltimore, February 23, 1996.

University of Maryland, “Advances in Laser Applications For Ophthalmology”, Baltimore, September 27, 1996.

American Academy of Ophthalmology Symposium “International Ophthalmology: New Aspects of Old Problems”: Glaucoma, one of the most difficult problems - Detecting Glaucoma, Approaches and Effectiveness. Wednesday October 30, 1996.

Philadelphia Ophthalmology Society, Philadelphia, PA. February 1997.

University of Maryland: Diagnostic and Therapeutic Advances in Glaucoma Management. February 21, 1997; Baltimore, Maryland.

All India Ophthalmological Society- Key note address. February 23, 1977. Delhi, India.

Harkness Eye Institute, Columbia University. New York City, New York. April 6, 1997.

Lunds Universitet- Malmö University Hospital, Malmo Sweden; May, 1997

University of Upsala, Sweden; May, 1997

University of Gottenberg, Sweden; May, 1997

St. Erick’s Hospital, Stockholm Sweden, May, 1997

Maryland Optometric Association, Annual Meeting. June 1997.

Alcon Surgical Skills Transfer Course. June 1997, Baltimore, MD.

Florida Ophthalmological Society: Fort Lauderdale, September 1997.

Central Pennsylvania Ophthalmological Association, November 1997; Harrisburg, PA

American Academy Of Ophthalmology:
 Discussion of: Latanoprost as Additional or Replacement Therapy for Glaucoma.
 Rothman RF, Marcus C, Greenfield DS, Liebman JM, Prywes AS, Udell IJ, Ritch R.
 October 1997.

Janice Kushner Memorial Annual Lecture, International Glaucoma Society. London, England, November, 1997.

Washington University, St. Louis Missouri: Visiting Professor. January, 1998.

St. Louis Ophthalmological Society Lecture, January 1998.

New England Ophthalmological Society (NEOS) Honored Lecturer. Boston, Mass. March 6, 1998, 2010.

Chicago Glaucoma Society, Guest Lecturer, May 6, 1998.

Delaware Ophthalmological Society, Guest Lecturer, June, 1998.

Albert Einstein School Of Medicine, Visiting Professor, June, 1998.

28th International Congress of Ophthalmology, Invited Speaker In Glaucoma Symposium, Amsterdam, June, 1998.

28th International Congress of Ophthalmology, Invited Speaker in International Prevention of Blindness Symposium, Amsterdam, June, 1998.

Second International Symposium on “The Challenges and Controversies of Ophthalmology and Visual Sciences in the Next Millennium”, Hong Kong, August 1998.

Key Note Speaker, Indian Glaucoma Society; Nagpur, India October 1998.

Invited Speaker, Ocular Surgery News Update in Glaucoma, New York, New York; October, 1998

Key Note Speaker, Association of Asian American Indians in Ophthalmology, New Orleans. November, 1998

Discussant of Beaver Dam Eye Study Visual Field Analysis: Normal Intraocular Pressure is Common in Eyes with Field Loss and Cupped Discs by William Eric Sponsel. At the American Academy of Ophthalmology 1998 Annual Meeting, November 10, 1998, New Orleans

Invited Keynote Speaker and Section Leader on Advances in Glaucoma, All India Ophthalmological Society, Cochin India, January, 1998

Visiting Professor, Ohio State University, February 1999

Brown Memorial Lectureship, Ohio State University, February 1999

Moderator, Glaucoma Pharmacology Section, Association for Research in Vision and Ophthalmology (ARVO) May 1999

Section Leader: Fifth Update in Ophthalmology for Postgraduate Students. July 1999. Aravind Eye Hospital, Madurai India.

Visiting Professor, University of Western Ontario, Canada. September 1999.

Key Note Speaker, 53rd Congress of Clinical Ophthalmology of Japan, Tokyo, October 1999.

Key Note Speaker, 2nd Asian-Oceanic Glaucoma Society. Tokyo, October 1999.

All India Society of Ophthalmology, Annual Meeting, January 2000. Chennai India. Keynote Speaker

Yale University, Visiting Professor, 2000.

Delaware Academy of Ophthalmology, Visiting Speaker, March 23, 2000.

Oregon Health Sciences University, Portland, Oregon. Visiting Professor. April 7, 2000.

University of Rochester; Rochester New York. Bausch and Lomb visiting Professor, October 14, 2000.

Tenth Annual Indian Glaucoma Society, Chandigarh India. November 2000. Keynote address.

South East Asian Glaucoma Special Interest Group. Bangkok, Thailand. November 30, 2000.

Chicago Glaucoma Society, May 2001

Key Note Speaker: Colorado Society Of Eye Physicians and Surgeons. July 2001.

Key Note Speaker, Pan American Academy of Ophthalmology Glaucoma Symposium. Buenos Aires, October 2001

Dallas Ophthalmology Association. September, 2001.

Visiting Professor, Southwestern University. September 2001.

Philadelphia Ophthalmic Club, guest speaker. October 2001.

European Association For Vision and Eye Research. EVER. Section Leader and Presenter, Alicante, Spain October 2001

Invited Speaker, American Glaucoma Society, San Juan. March 2002.

Invited Speaker, International Congress of Ophthalmology, Sydney, Australia, 2002.

Invited Speaker, American Ophthalmological Society, Sea Isle Georgia, 2002.
 Poster, ARVO, Fort Lauderdale Florida, May, 2002.
 Speaker, American Ophthalmological Society, May, 2002.
 Symposium Coordinator, EVER, Alicante Spain; October 2002.
 Visiting Professor, Indian Glaucoma Society, New Delhi, India; 2002.
 Invited Speaker, Brazil Glaucoma Society, Sao Paulo; April, 2003.
 37th Pan-Hellenic Ophthalmological Society Meeting, Invited Guest: Porto Carras, Greece; June 9 to June 16, 2004.
 Ohio Ophthalmology Society, honored guest. Columbus, Ohio. February, 2005.
 Pan American Ophthalmological Society, Santiago, Chile. Honored Guest; March, 2005.
 Argentina Glaucoma Society, Buenos Aires, Argentina. July, 2005.
 Japan Glaucoma Society, Featured Speaker. Kumamoto, Japan. September, 2005.
 World Ophthalmology Congress, section head Lindberg Society, Sao Paulo Brazil, February 2006.
 39th Panhellenic Ophthalmological Congress, Thessaloniki, Greece June 7 to 11 2006. Guest of honor.
 Keynote Speaker, Duke University Glaucoma Day, Duke University, September 2006.
 Royal Hawaiian Eye Meeting, Guest Speaker. Kauai, Hawaii. January, 2007.
 Puerto Rican Ophthalmologic Society, Guest Speaker, February 2007.
 ANZIG (Australian New Zealand Glaucoma Interest Group), Guest of Honor; Adelaide, Australia. March 2007
 EVER (European Vision Eye Research), Slovenia, October, 2007.
 Royal Hawaiian Eye Society, Guest Speaker and Speaker of the Day, January 2008
 Royal Hawaiian Eye Society, Guest Speaker, January 2009 and January 2010
 Glaucoma Research Society, Queenstown New Zealand, February 2008
 American Glaucoma Society, Washington DC, February 2008, invited speaker
 Mid West Glaucoma Society, Invited Speaker, Omaha Nebraska, May 2008
 Visiting Professor, Harvard University, April, 2008
 Visiting Professor, Yale University, November, 2009
 Visiting Professor, University of Florida, February, 2010.
 Consultant, Alliance for Aging Research, Washington, DC; November 2010
 Invited Guest, 5th International Congress on Glaucoma Surgery; Delhi, India; November, 2010
 Invited Guest, LA Ophthalmological Society Research Club, January 2011
 Invited Lecture, 69th Annual Conference of the All Indian Ophthalmological Society, Ahmedabad, India; February, 2011
 Wolfe Lecture, University of Iowa, Iowa City, Iowa; 2011

VIII. RESEARCH SUPPORT

1979-1983	RO1-EY-01554, Uses of lasers in glaucoma, NEI, co-principal investigator
1981-1984	Allergan, Topical flurbiprofen and the immediate postoperative intraocular pressure elevation following argon laser trabeculoplasty in primary and secondary open-angle glaucomas, principal

investigator

1981-1984 Merck, Sharp & Dohme, Effect of indomethacin on side effects of laser trabeculoplasty, principal investigator

1981-1987 RO1-EY-01554 Predictive and diagnostic screening test for glaucoma, NEI, co-investigator

1983-1986 Allergan, Topical levobunolol in the therapy of open-angle glaucoma, principal investigator

1983-1988 Coherent Medical, The development of a portable Q-switched Nd:YAG laser for the therapy of angle-closure glaucoma, principal investigator

1983-1988 Coherent Medical, An evaluation of the Q-switched Nd:YAG laser for the therapies of angle-closure and open-angle glaucoma, principal investigator

1984-1995 Alcon and Coherent Medical, The utilization of a portable Q-switched Nd:YAG laser and topical apraclonidine for therapy of open-angle glaucoma in underdeveloped nations, principal investigator

1984-1993 Alcon, Apraclonidine HCL in the therapy of the immediate postoperative intraocular pressure elevation following anterior segment laser therapy, principal investigator

1988-1990 Alcon, Apraclonidine HCL: Central nervous system and cardiovascular effects and plasma levels, principal investigator

1988-1989 Allergan, The evaluation of levobunolol hydrochloride as a once daily therapeutic agent for chronic open-angle glaucoma, principal investigator

1988-1995 Alcon, Apraclonidine HCL: Efficacy as both a primary and an adjunctive agent for the therapy of chronic glaucomas, principal investigator

1988-1989 Allergan, the evaluation of the low dose clonidine rod as a therapeutic agent to prevent the acute transient intraocular pressure rise following laser therapy for glaucoma, principal investigator

1989-1990 Iolab Pharmaceuticals, Evaluation of the Effectiveness of Thymoxamine in the Reversal of Phenylephrine Induced Mydriasis, principal investigator.

1989- 1990 Allergan Pharmaceuticals, Once-daily levobunolol versus twice daily 0.5% therapy with diurnal measurement of intraocular pressure, principal investigator

1989-Present Developing a model glaucoma teaching and training center in the third world. Aravind Eye Hospital, Madurai, India, Principal Investigator.

1989-1995 Allergan Pharmaceuticals, Development of AGN 190342-LF (Brimonidine) as an Alpha Agonist to treat glaucoma, eliminate the postoperative intraocular pressure elevation, and assess its safety, principal investigator

1990-1994 Zeiss, Evaluate the reproducibility, autoregistration, and feasibility of using the Zeiss Confocal Laser Scanning Ophthalmoscope in the detection of progressive optic nerve damage and detecting pathologic optic nerve and retinal features, principal investigator

1990-2001 Alcon Laboratories, The Evaluation and Development of ALO 4414A as a New Topical Carbonic Anhydrase Inhibitor, principal investigator

1991-1997 The evaluation of a dose response of mitomycin C when used as an adjunctive agent in primary filtration surgery. Aravind Eye Hospital, Principal Investigator.

1992-2005 Development of a population based prevalence study in Tamil Nadu India to detect the leading causes of visual disability. Seva Foundation and Aravind Eye Hospital, principal investigator

1992-1994 A six month randomized double masked comparison of PhXA41 (latanoprost) to timolol in patients with open angle glaucoma and ocular hypertension. A multi-centered study in the United States. Kabi Pharmaceuticals.

1994- 1995 The use of a Prostaglandin D to topically lower intraocular pressure. Alcon Laboratories, Principal Investigator.

1994- 2009 The evaluation of anecortave acetate in human glucocorticoid glaucoma. Alcon Laboratories.

1994 - 1995 The evaluation of the safety, comfort, and plasma levels of anecortave in humans. Alcon Laboratories

1995-2009 The evaluation of angiostatic steroids to prevent scarring in eyes with advanced glaucoma requiring repeated filtration surgery. Alcon Laboratories, principal investigator.

1996-1998 The evaluation of Short Wave Length Automated Perimetry in Normal and Glaucoma Eyes. Humphrey Systems.

1996-1998 The evaluation of SITA threshold algorithm in perimetry. Humphrey Systems.

1997-1998 A comparison of Humphrey threshold to Dicon perimetric evaluations. Humphrey Systems.

1998-2001 A six-month, triple-masked, parallel group, primary therapy study of the safety and efficacy of AL - 6221 0.0015% and AL- 6221 0.004% compared to timoptic 0.5% in patients with open angle glaucoma or ocular hypertension. Alcon Laboratories

1998-1999 A prospective comparison of diode cyclophotocoagulation and trabeculectomy in eyes with primary open angle glaucoma prior to other surgical intervention. Iris Medical, principal investigator

2000-2003 Evaluation of Oculus Perimeter and Humphrey Perimetry: a comparison. Chief Investigator

2001-2005 Evaluation of GDX for early detection of glaucoma. Chief investigator.

IX. ACADEMIC SERVICE

1979-Present	Glaucoma Service, Wilmer Institute, Johns Hopkins Hospital: part time faculty member
1979-Present	Glaucoma Service, Greater Baltimore Medical Center: Director
1980-1982	Pharmacy and Therapeutics Committee, Greater Baltimore Medical Center: Member
1981-2000	Glaucoma Service, Sinai Hospital: Codirector
1985-1990	Institutional Review Board, Sinai Hospital: Member
1988-1990	Executive Advisory Panel, Department of Ophthalmology, Sinai Hospital: Member
1988-1994	Pharmacy and Therapeutics Committee, Greater Baltimore Medical Center: Member
1992-1994	Surgical Quality of Care Committee, Greater Baltimore Medical Center, Member.
1992-Present	Quality Assurance Committee, Maryland Eye Care, Member.
1994-2000	Advisory Board, Greater Baltimore Medical Center, Department of Ophthalmology

X. PEER REVIEWED PUBLICATIONS

- 1- ROBIN AL, Green WR, Lapsa TP, Hoover RE, Kelley JS. Recurrence of macular corneal dystrophy after lamellar keratoplasty. *Am J Ophthalmol* 84;1977:457-461.
- 2- Kelley JS, Hoover RE, ROBIN AL, Kincaid M. Laser scotometry in drusen and pits of the optic nerve head. *Ophthalmology* 86;1979:442-447.
- 3- ROBIN AL, Quigley HA. Transient reversible cupping in juvenile glaucoma. *Am J Ophthalmol* 88;1979:580-584.
- 4- Robin AL, Quigley HA, Pollack IP, Maumenee AE, Maumenee IH An analysis of visual acuity, visual fields, and disk cupping in childhood glaucoma. *Am J Ophthalmol*. 1979 Nov;88(5):847-58.
- 5- Pollack IP, ROBIN AL. Iridotomies in cynomolgus monkeys using a Q-switched ruby laser. *Trans Am Ophthalmol Soc*. 78;1980:88-103.
- 6- Hirst LW, ROBIN AL, Sherman S, Green WR, D'Anna S, Dunkelberger G. Corneal endothelial changes after argon laser iridotomy and panretinal photocoagulation. *Am J Ophthalmol* 93;1982:473-481.
- 7- ROBIN AL, Pollack IP. Argon laser peripheral iridotomies in the treatment of primary angle-closure glaucoma: Long-term follow-up. *Arch Ophthalmol* 100;1982:919-923.
- 8- Pollack IP, ROBIN AL: Argon laser trabeculoplasty: Its effect on medical control of glaucoma following argon laser trabeculoplasty. *Ophthalmic Surgery* 13;1982:637-643.
- 9- ROBIN AL, Pollack IP, Quigley HA, D'Anna S, Addicks EM: Histologic

- studies of angle structures after laser iridotomy in primates. *Arch Ophthalmol* 100;1982:1665-1670.
- 10- ROBIN AL, Pollack IP: Argon laser trabeculoplasty in secondary forms of open-angle glaucoma. *Arch Ophthalmol* 101;1983:382-384.
 - 11- Addicks EM, Quigley HA, Green WR, ROBIN AL: Histologic characteristics of filtering blebs in glaucomatous eyes. *Arch Ophthalmol* 101;1983:795-799.
 - 12- Pollack IP, ROBIN AL, Sax H: The effect of argon laser trabeculoplasty on the medical control of primary open-angle glaucoma. *Ophthalmology* 90;1983:785-789.
 - 13- Hotchkiss ML, ROBIN AL, Pollack IP, Quigley HA: Nonsteroidal anti-inflammatory agents after argon laser trabeculoplasty: A trial with flurbiprofen and indomethacin. *Ophthalmology* 91;1984:969-974.
 - 14- ROBIN AL, Pollack IP: The Q-switched ruby laser in glaucoma. *Ophthalmology* 91;1984:366-372.
 - 15- ROBIN AL, Pollack IP: Argon laser trabeculoplasty in the secondary glaucomas. *ACTA International Congress of Ophthalmology XXIV*;1983:620-628.
 - 16- Safran M, ROBIN AL, Pollack IP: Argon laser trabeculoplasty in younger patients with primary open-angle glaucoma. *Am J Ophthalmol* 97;1984:292-295.
 - 17- Weinreb R, ROBIN AL, Brevardt G, Drake M, Blumenthal M, Wilensky J: Flurbiprofen pretreatment in argon laser trabeculoplasty for primary open-angle glaucoma. *Arch Ophthalmol* 102;1984:1629-1632.
 - 18- ROBIN AL, Pollack IP: A comparison of neodymium:YAG and argon laser iridotomies. *Ophthalmology* 91;1984:1011-1016.
 - 19- Gilbert CM, ROBIN AL, Pollack IP: Hyphema complicating neodymium:YAG iridotomy. *Ophthalmology* 91;1984:1123
 - 20- Sommer A, Kues HA, D'Anna SA, Arkell S, ROBIN AL, Quigley HA: Cross-polarization photographs of the nerve fiber layer. *Arch Ophthalmol* 102;1984:864-869.
 - 21- Sommer A, Quigley HA, ROBIN AL, Miller N, Katz J, Arkell S: Evaluation of nerve fiber layer assessment. *Arch Ophthalmol* 102;1984:1766-1771.
 - 22- Flohr M, ROBIN AL, Kelley JS: Early complications following Q-switched neodymium:YAG posterior capsulotomy. *Ophthalmology* 92;1985:360-363.
 - 23- Pollack IP, ROBIN AL, Dragon DM, Green WR, Quigley HA, Murray TG and Hotchkiss ML: Use of the neodymium:YAG laser to create iridotomies in monkeys and humans. *Trans Am Ophthalmol Soc* 82;1984:307-328.
 - 24- Hotchkiss ML, ROBIN AL, Quigley HA, Pollack IP: A comparison of Peritest automated and Goldmann perimetry. *Arch Ophthalmol* 103;1985:397-403.
 - 25- Dragon DM, ROBIN AL, Pollack IP, Quigley HA, Green WR, Murray TG, Hotchkiss ML, and D'Anna S: Neodymium:YAG laser iridotomy in the cynomolgus monkey. *Invest Ophthalmol Vis Sci* 26;1985:789-796.
 - 26- Gross JG, ROBIN AL: Argon laser iridocorneal adhesiolysis. *Am J Ophthalmol* 100;1985:330-331.
 - 27- ROBIN AL, Pollack IP: Q-switched neodymium-YAG laser angle surgery in open-angle glaucoma. *Arch Ophthalmol* 103;1985:793-795.
 - 28- ROBIN AL: Intraocular pressure elevation following anterior segment laser

- surgery. *Ophthalmic Laser Therapy* 1;1986:101-106.
- 29- ROBIN AL, Pollack IP: Q-switched neodymium:YAG laser iridotomy in patients where the argon laser fails. *Arch Ophthalmol* 104;1986:531-535.
 - 30- ROBIN AL, Arkell S, Gilbert SM, Goossen AA, Werner RP, Korshin OM: Q-switched neodymium-YAG laser iridotomy. A field trial with a portable laser system. *Arch Ophthalmol* 104;1986: 526-530.
 - 31- Hotchkiss ML, Quigley HA, Green WR, Pollack IP, ROBIN AL: The effect of laser capsulotomy on aqueous humor dynamics in the monkey eye. *Ophthalmology* 93;1986:1270-1275.
 - 32- ROBIN AL: Intraocular pressure rise after iridotomy. *Arch Ophthalmol* 104;1986:1117.
 - 33- Burney EN, Quigley HA, ROBIN AL: Hypotony and choroidal detachment as late complications of trabeculectomy. *Am J Ophthalmol* 1987;103:685-688.
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XIII. LECTURES AND COURSES AT ANNUAL MEETINGS

Wilmer Resident's Association: 1976, 1977, 1979-1992.
 Association For Research in Vision and Ophthalmology: 1979, 1981-1994.
 American Academy of Ophthalmology: 1982-1994.
 Moderator: Annual Mid-Winter Glaucoma Symposium (Director): 1985-1991.
 American Academy of Ophthalmology: Course entitled "Use of Lasers in the treatment of

Glaucoma", 1982-1990, 1992-1995.

American Academy of Ophthalmology: Course entitled "Practical Applications of Laser therapy", 1988-1995.

American Academy of Ophthalmology, invited speaker to National Symposium to Prevent Blindness Symposium, 1990.

American Academy of Ophthalmology, paper discussant, 1990.

American Academy of Ophthalmology: Presenter of invited paper, 1994, 1998.

American Ophthalmologic Society, 1990.

American Academy of Ophthalmology: Course entitled " Laser Applications in Glaucoma: Theory and Practice, 1990-1992.

Florida Society of Ophthalmology, September 1997; "Goals for Glaucoma in the 21st Century"

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XIV. PATENT APPLICATIONS

20060173437 - Surgical Method August 3, 2006

An irrigating technique that can be used to increase the flow of fluid through the trabecular meshwork. Pulses of relatively high pressure irrigating are directed at the trabecular meshwork. These pulses can be focused, thereby perforating the trabecular meshwork, or applied over a larger area so as to stimulate the trabecular meshwork for improved fluid transport. In addition, the pulses of the irrigating balance salt solution can be used to clean away material, such as iris pigment, that may be blocking or clogging the trabecular meshwork. Such a technique may be practiced using the herein disclosed tip with commercially available surgical handpieces.