

CURRICULUM VITAE

NAME: HARDEEP DHINDSA, M.D.

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CURRENT POSITION: FOUNDER, H DHINDSA RETINA EYE CENTER, LTD (7-7-2011)

OVERVIEW:

I AM AN OPHTHALMOLOGIST, WITH EXTENSIVE SUB-SPECIALTY TRAINING IN MEDICAL AND SURGICAL RETINA. I COMPLETED AN INTERNAL MEDICINE INTERNSHIP AND 3 YEAR OPHTHALMOLOGY RESIDENCY AT BAYLOR UNIVERSITY, HOUSTON TX IN 1993. I HAVE DONE A TWO YEAR RETINA RESEARCH FELLOWSHIP AT BAYLOR (1987-88) AND A ONE YEAR RETINA CLINICAL FELLOWSHIP AT THE UNIVERSITY OF VIRGINIA (1994).

SERENDIPITOUSLY, I ENDED UP SPENDING THE FOLLOWING 8 YEARS (1994-2002) AT THE WORLD'S LARGEST AND ONE OF THE MOST PRESTIGIOUS EYE HOSPITALS IN THE WORLD: THE KING KHALED EYE SPECIALIST HOSPITAL, WHERE I WAS PROMOTED TO THE POSITION OF SENIOR CONSULTANT (THE EQUIVALENT OF A TENURED PROFESSOR IN THE BRITISH ACADEMIC SYSTEM IN USE THERE) BASED UPON MY CLINICAL SKILLS, TEACHING, AND RESEARCH.

I WAS SUBSEQUENTLY RECRUITED TO ACADEMIC INSTITUTIONS IN EUROPE AND IN THE STATES, BUT DECIDED UPON PRIVATE PRACTICE. I ENDED UP AS A SHAREHOLDER PARTNER AT NEVADA RETINA ASSOCIATES, WHERE I PRACTICED FROM SEPT 2002 TO APRIL 2011.

DUE TO THE MANY YEARS I SPENT IN THE DEVELOPING WORLD AS AN OPHTHALMOLOGIST, I GAINED EXTENSIVE EXPERIENCE WITH UNUSUAL AND COMPLEX EYE DISEASE (THAT WOULD NOT HAVE BEEN AVAILABLE TO ME HAD I SPENT MY ENTIRE CAREER IN THE U.S.).

I HAVE EXTENSIVE EXPERIENCE IN PEDIATRIC RETINA, INCLUDING CARE OF CHILDREN WITH RETINOPATHY OF PREMATURITY, RETINOBLASTOMA, CONGENITAL CATARACTS, TRAUMATIC EYE INJURY AND VARIOUS GENETIC CONDITIONS.

IN TERMS OF ADULTS, I SPECIALIZE IN CASE WITH ADVANCED DIABETIC DISEASE, TRAUMA, AND VARIOUS GENETIC CONDITIONS.

FINALLY, I HAVE A UNIQUE INTEREST IN MACULAR DEGENERATION AND AM ONE OF A HANDFUL OF SURGEONS IN THE WORLD WHO PERFORM A PROCEDURE KNOWN AS 360 MACULAR ROTATION SURGERY FOR THIS CONDITION.

MY CURRENT INTERESTS ARE TO NOT ONLY OFFER STATE OF THE ART RETINAL CARE FOR NEVADA AND OUR NEIGHBORS, BUT ALSO TO FACILITATE THE DEVELOPMENT OF EXCELLENCE IN ALL ASPECTS OF OPHTHALMOLOGIC AND OPTOMETRIC CARE WITH MY COLLEAGUES.

I ALSO HAVE A STRONG INTEREST IN CHARITABLE EYE CARE, AND I AM IN THE PROCESS OF INCORPORATING A NON-PROFIT, TO FOCUS ON VISION SCREENING LOCALLY AS WELL AS SURGICAL CARE INTERNATIONALLY.

EDUCATION

May 1983 Undergraduate BSc, University of Maryland

May 1987 Medical School, MD, University of Maryland

POST DOCTORAL TRAINING

June 1987 - June 1988 Internship, Baylor College of Medicine, Houston, TX

July 1988 - June 1990 Fellowship, Baylor College of Medicine, Retina
Research, Houston, TX

July 1990 - June 1993 Residency, Baylor College of Medicine, Department
Of Ophthalmology, Houston, TX

July 1993 - July 1994 Fellowship, University of Virginia, Vitreo-retinal
Division, Charlottesville, VA

LICENSURE AND CERTIFICATION

American Board of Ophthalmology, Diplomate,
(1995, recertified 2005)

Texas medical license (1988)

Hawaii medical license (1996)

Maryland medical license (1996)

Georgia medical license (1996)

ACADEMIC APPOINTMENTS

July 5, 1993-July 5, 1994 Instructor, University of Virginia
Sept 17, 1997—June1, 2001 Consultant, KKESH
June 1, 2001--Sept 18, 2002 Senior Consultant, KKESH

HOSPITAL APPOINTMENTS

Sept 2007—present Northern Nevada Medical Center, Sparks NV

Sept 2003—present Renown Hospital, Reno NV

Sept 2003--present St. Mary's Hospital, Reno NV

Sept 2003--present Surgical Arts Surgery Center, Reno NV

Sept 1997—Sept 2002 King Khaled Eye Specialist Hospital

Feb 1997—Aug 1997 Decatur Eye Hospital, Decatur, Georgia

Aug 1994—Jan 1997 King Khaled Eye Specialist Hospital

July 1993--July 1994 University of Virginia Health Science Center

Veterans Administration Hospital, Richmond, Virginia

MEMBERSHIP IN PROFESSIONAL SOCIETIES

1. *American Academy of Ophthalmology 1995--present*
2. Association for Research in Vision and Ophthalmology 1988--present
3. American Society of Retina Surgeons 1996--present

January 1997--Jan 1998	Medical Executive Committee
January 2000—2002	
April 1999—April 2001	Research Council
Sept 1999--April 2001	Operative and Invasive Procedures Committee
April 2000-Feb 2001	KKESH Symposium Organizing Committee
May 2000--present	Pharmacy and Therapeutics Committee, Chairman
Sept 2000--present	Compound Environment Committee
Nov 2000--present	Pain management Committee
Nov 2000--present	Performance Improvement Committee
April 2001--May 2001	Ad Hoc Scheduling Committee, Chairman
Oct 2001—Sept 2002	Medical Library Committee

AMERICAN ACADEMY OF OPHTHALMOLOGY

Nov 2007—Present	American Academy of Ophthalmology (AAO) Practicing Ophthalmologists Advisory Committee
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This committee reviews and edits all educational material produced by the AAO, including the national core residency training curriculum.

MAJOR RESEARCH INTERESTS

KKESH Research Projects June--1994 to 2002

1. Retrospective review of treatment of homocystinuria at KKESH.
2. Ectopia lentis in children; a retrospective review at KKESH
3. Gene expression of growth factors in diabetic versus non-diabetic corneas
4. Surgery for Combined Hamartoma of the Retina and Retinal Pigment Epithelium
5. Rhegmatogenous Retinal Detachment in the Pediatric Population: The KKESH Experience.
6. Primary Hyperplastic Posterior Vitreous: The KKESH experience
7. Retinoblastoma patient compliance with treatment and follow up
8. Chemoreduction in Retinoblastoma
9. Sclerotomy Induced Retinal Breaks
10. Treatment of Refractory Diabetic Macular Edema
11. Case Report of a Family with 100% Penetrance of Retinoblastoma

Georgetown University, Department of Anatomy, Washington D.C

Alpha-lactalbumin in the male reproductive tract. June --September 1982

Howard University, Department of Reproductive Biology, Washington D.C.

The role of Vitamin A in Sertoli Cells. June--September 1981 and June--September 1981

National Naval Medical Center, Bethesda, Maryland. Department of Oncology, June--September 1970

The Effect of Methotrexate on Wound Healing.

Funding based upon competitive American Heart Association Award.

RESEARCH FUNDING

Baylor College of Medicine, Retina Research Fellowship

July 1988 - June 1990

National Research Service Award, NEI Grant # 70007 (July 1988 - June 1990)

1. The action spectrum of acute and chronic phototoxic lesions
2. The role of tissue plasminogen activator in the treatment of intraocular fibrin formation in early proliferative vitreoretinopathy
3. The use of a synthetic adhesive in the treatment of retinal breaks

TEACHING EXPERIENCE

University of Virginia

July 1993 - June 1994

Conducted a weekly fluorescein conference and supervised residents on their retina rotation

King Khaled Eye Specialist Hospital

July 1994 – Sept 2003

Actively participated in the training of 40 residents and 2 retina fellows yearly

PRESENTATIONS

ACADEMIC PRESENTATIONS

GRAND ROUNDS

Renown Medical Center

February 19, 2004 Third World Ophthalmology

King Khaled Eye Specialist Hospital

October 11, 1994 Ocular Syphilis

September 17, 1995 Options in the Repair of Primary Detachments

January 12, 1998 New Horizons in the Treatment of Diabetic Retinopathy

January 27, 1998 Cataract Extraction in Diabetic Patients

June 16, 2001 Novel approach to Grand Rounds

University of Missouri, Columbia

Dept of Ophthalmology

Oct 19, 1995 Decisions and Dilemmas in Detachment Surgery

Nigerian Ophthalmologic Society Annual Meeting-Keynote speaker

Enugu, Nigeria School of Medicine

September 2007	Current Treatment of Retinoblastoma
	Uveitits Diagnosis
	Uveitis Management
	Retinopathy of Prematurity Screening and Management
	Retinal Detachment Diagnosis and Repair
	Diabetic Retinopathy Classification and Diagnosis
	Diabetic Retinopathy Treatment

University of Nevada School of Medicine

October 1, 2007	Tropical Ophthalmology
November 5, 2007	Considerations in Medical Volunteerism

Reno Surgical Society

January 22, 2004	Eyes of Africa
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King Khaled Eye Specialist Hospital

March 14, 1995	Treatment of Choroidal Neovascular Membranes
April 12, 1999	Macular Dystrophies

FLUORESCIN CONFERENCE

KKESH

Weekly presentations July 1994—Sept 2002

American Academy of Ophthalmology *Interpretation of Fluorescein Angiography*

October 2010, October 2011 *Course Instructor*

COMMUNITY LECTURES

Nov 2002 Ophthalmic Technician Society Ophthalmology in West Africa
Feb 2003 Ophthalmic Technician Society Current Treatment of Retinoblastoma
May 2004 Reno Optometric Society Epidemiology of Worldwide Blindness
Sept 2004 Reno Ophthalmologic Society Third World Ophthalmology
March 2005 Reno Optometric Society Diabetic Retinopathy
Feb 2005 Reno Optometric Society Current Management of Macular Degeneration
May 2005 Reno Ophthalmologic Society 360 Macular Rotation Surgery
May 2006 Reno Ophthalmologic Society State of Ophthalmology in Nigeria
June 2006 Washoe Surgical Staff International Ophthalmology
July 2006 Classic Residence, Reno International Ophthalmology
April 2007 Washoe Physician Lecture Series Macular Degeneration Treatment
May 2007 Reno Optometric Society Causes of Blindness in West Africa
June 2007 Our Lady of Wisdom Church, Reno International Ophthalmology
August 2007 Lions Club, Reno Chapter Poverty and Healthcare in Sierra Leone
June 2008 Sageridge Upper School Ophthalmology in Burma
June 2009 Sageridge Upper School Major Global Healthcare concerns
Sept 2009 Reno OR Nursing Society International Causes of Blindness
Nov 2009 Reno Optometric Society Decisions and Dilemmas in Detachment surgery
Feb 2010 Reno Optometric Society Interpretation of Fluorescein Angiography
Nov 2011 Reno Optometric Society Update on Imaging and Treatment of Macular Degeneration

COMMUNITY ACTIVITIES

MEDICAL ADVISORY BOARD, NEVADA ATHLETIC COMMISSION Jan 2008—present

SAGERIDGE PREPARATORY SCHOOL RENO, NV

BOARD OF TRUSTEES Jan 2006--present

Subcommittees: Finance, Annual Fund, Leadership

THE TRIBE (NGO) BOARD OF TRUSTEES July 2011—present

Devoted to development of the Robondo tribe in Kenya

MISSION TRIPS—These serve not only patients but are also focused on teaching local doctors, nurses, and biomedical technicians in ophthalmology

April 2004	Kano, Nigeria	Christian Blind Mission
April 2005	Jos, Nigeria	Christian Blind Mission
September 2006	Sierra Leone	Archbishop of Sierra Leone
September 2007	Enugu, Nigeria	Orbis Flying Eye Hospital
February 2008	Mandalay, Burma	Orbis Flying Eye Hospital
August 2008	Kampala, Uganda	Orbis Flying Eye Hospital
March 2009	Trujillo, Peru	Orbis Flying Eye Hospital
June 2009	Nairobi, Kenya	Orbis Flying Eye Hospital

MEDIA APPEARANCES

December 2003 Channel 2 KTVN, Reno NV Paintball Injuries to the Eye
March 2004 Muscular Dystrophy Association "Lock Up" for charity
December 2006 Channel 4 KRNV, Reno NV Blindness in Western Africa
February 2007 Channel 4 KRNV Lawyers, Guns, and Money
June 2008 Featured in the Orbis International Annual Report
April 2008 "Sight Saving Superstar" Reno Gazette Journal newspaper
August 2008 "Senior Spectrum" Biographical article "Dr. Hardeep Dhindsa"
November 2008 "Flying Doctors" RENO Magazine
November 2008 "Orbis Flying Doctor" Reno Gazette Journal newspaper
July 2011 "Overseas Travel Tips" Reno Gazette Journal newspaper

BIBLIOGRAPHY

JOURNAL ARTICLES

1. Dhindsa, H. and Abboud, E. Familial Multiple Retinal Arterial Macroaneurysms. Retina Oct
2002 22(5): 607-615
2. Harrison D, Awad A, Al-Mesfer S, and Dhindsa H. Management of Ophthalmic
Complications in Homocystinuria, *Ophthalmology*. Oct 1998;105 (10): 1886-1890
3. Rapp L., Fisher P., and Dhindsa, H. Reduced Rate of Outer Segment Disk Synthesis in Photoreceptor Cells
Recovering from UVA Light Damage. *Investigative Ophthalmology and Visual Science*, August 1994, Vol 35 (9):
3540-3548
4. Rapp L, Tolman B, Dhindsa H. Separate Mechanisms for Retinal Damage by Ultraviolet-A and Mid-visible Light.
Investigative Ophthalmology and Visual Science, June 1990 31(6):1186-90

SELECTED ABSTRACTS

1. Calvo C, Friedlander S, Hilliard J, Swrts R, Nielsen J, Dhindsa H, Welch R, and Dix R. Case Report: Reactivation of Latent B Virus (Macacine Herpesvirus 1) Preseting as Bilateral Uveitis, Retinal Vasculitis, and Necrotizing Herpetic Retinitis.
Presented as a scientific poster at the Association for Research and Vision in Ophthalmology, Ft. Lauderdale, Florida May 3, 2011
2. Dhindsa H., et al. Neoadjuvant Chemotherapy in the Treatment of Reese Ellsworth Group V Retinoblastoma.
Free paper. American Academy of Ophthalmology, Nov. 2001
3. Abboud E and Dhindsa, H. Familial Multiple Retinal Arterial Macroaneurysms. Presented as a poster at the American Academy of Ophthalmology, Nov. 1998
4. Abboud E, Nowilaty S, Dhindsa H, and Menkabo A. Le décollement rétinien rheimatogéne chez l'enfant .
Presented as a paper at the French Society of Ophthalmology, Paris France, May 17, 1998
5. Harrison D, Awad A, Mesfer S, and Dhindsa H. Ophthalmic Complications in Homocystinuria, Supplement to Investigative Ophthalmology and Visual Science, 1997
6. Smith S, Dhindsa H, Rapp L: Photoreceptor Cell Damage and Renewal Following Exposure to Ultraviolet-A Light, Supplement to Investigative Ophthalmology and Visual Science, 32:1095,1991
7. Rapp L, Dhindsa H, Tolman B: There are at Least Three Kinds of Retinal Light Damage in the Rat, Supplement to Investigative Ophthalmology and Visual Science, 30:461, 1989

MISCELLANEOUS (reviews, non-referred journal articles, letters, research publications/presentations)

1. Chemoreduction in Retinoblastoma. King Khaled Eye Specialist Hospital Symposium. February 2001.
2. Dhindsa H, Vitrectomy Pearls. King Khaled Eye Specialist Hospital Symposium, April 1999
3. Dhindsa H, New Frontiers in the Treatment of Diabetic Retinopathy. Guest Lecturer, King Faisal Specialist Hospital, Riyadh, Saudi Arabia, Feb 17, 1999
4. Dhindsa H, The Treatment of Diabetic Retinopathy. Saudi Journal of Ophthalmology 12 (2): 51-2, April—June 1998
5. Dhindsa H, Seven Tips for Better Vitrectomy. Review of Ophthalmology, pages 72--77 August 1997
6. Dhindsa H, The Role of Biochemical Mediators in Diabetic Retinopathy. King Khaled Eye Specialist Hospital Symposium, April 1998
7. Dhindsa, H and Abboud E, Surgical Management of Combined Hamartoma of the Retina and Retinal Pigment Epithelium. King Khaled Eye Specialist Hospital Symposium, April 1998
8. Dhindsa H, Nguyen T, Key J, Matoba A: Mucoïd Conversion of Pseudomonas Aeruginosa in Contact Lens Storage Solutions, Baylor Department of Ophthalmology Alumni Meeting, May 1993
9. Dhindsa H, Patrinely J, Boniuk M: The Diagnosis and Treatment of Uveal Melanoma, Baylor Department of Ophthalmology Alumni Meeting, May 1992
10. Gordon A, Rainey M, Dhindsa H, Parke II D, Osato M: Retinal Toxicity of Intravitreal Temafloxacin. Ophthalmic Microbiology and Immunology Conference, 25th Annual Meeting, September 1991
11. Dhindsa H, Tolman B, Rapp L: The Effect of Ultraviolet-A Light on Rod Renewal. Baylor, Department of Ophthalmology Alumni Meeting, May 1991
12. Endocytosis of Androgen Binding Protein in the Epididymis at Georgetown University, Department of Anatomy, June 1983 - August 1983
13. Thyroxine Influence on Vitamin A Uptake in Sertoli Cells at Howard University, Department of Endocrinology, June 1980 - June 1982
14. The Effect of Methotrexate on Wound Healing at National Naval Medical Center, American Heart Association Research Fellowship, June 1979 - September 1979

Date of Revision 21 November, 2011