

January 21, 2015
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Lahey Clinic
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EDUCATION

Undergraduate

1983 *Bachelor of Science, Biology* *Framingham State University*

Medical School

1987 *Medical Doctor* *University of Massachusetts Medical*

POSTDOCTORAL TRAINING

1987-1988 *Transitional Internship* *Brown University*
1988 -1990 *Internal Medicine* *Brown University*
1990-1993 *Ophthalmology Residency* *University of Utah*
2015 *Faculty Teaching Fellowship* *Tufts*

LICENSURE AND CERTIFICATION

1993 *Massachusetts licensed Physician*
1995 *American Board of ophthalmology*
2005 *American Board of Ophthalmology recertified*
2013 *American Board of Ophthalmology recertified*

ACADEMIC APPOINTMENTS

1994-1996 *Clinical Instructor Department of ophthalmology, Tufts School of Medicine*
1996-present *Assistant Professor, Department Ophthalmology, Tufts School of Medicine*

HOSPITAL APPOINTMENTS

1993 *Senior Surgeon, Department of Surgery, Lahey Clinic*
1996 *Director Comprehensive ophthalmology*
1995-2005 *Co-director Lahey-Tufts Residency Program*

AWARDS AND HONORS

1996 *Tufts University School of Medicine Award for Teaching Excellence*
2002 *Tufts Award for teaching*
2014 *University of Utah Distinguished Alumni Award*

HOSPITAL, MEDICAL SCHOOL, OR UNIVERSITY COMMITTEE ASSIGNMENTS:

1997-1998	Cost Containment Committee Lahey Clinic
1998-2005	Continuing Medical Education Committee
2001-present	Peer Review Committee
2005-present	Outcomes, Process and Peer Review Committee
2012-present	Women's Health Initiative

OTHER MAJOR COMMITTEE ASSIGNMENTS:

1998-200	New England Ophthalmological Society (NEOS) Program Committee member
2005-present	Course director CORE residency cataract Course
2008-present	Academy of Ophthalmology Editorial Board
2008-present	Women in Ophthalmology Member at Large
2009-present	FDA Advisory Board
2010-2011	Leadership development Graduate American Academy of Ophthalmology
2011-present	Women's Eye Health Board Member
2013-present	ASCRS Eye World Editorial Board
2014-present	Alternate Delegate for WIO to International Council of Ophthalmology
2014-present	ASCRS Residency Education Committee
2013-present	Editor for the Journal Highlights section American Academy Ophthalmology
2008-present	Board member Women of Ophthalmology

TRAINING OF GRADUATE STUDENTS/POST DOCTORAL

Ophthalmology Residents Trained

Yunhee	Lee	MD
Rhea	Lloyd-Muhammad	MD
Robyn	Cohen	MD
Olivia	Liao	MD
Mei Lin	Mellott	MD
Shiyoung	Roh	MD
Edward	Koo	MD

Dan	Eisenberg	MD
Ann	McColgin	MD
Resham	Wadhvani	MD
Jamie	Wong	MD
Navaneet	Borisuth	MD
Kenley	Donaldson	MD
Frank	McCabe	MD
Jeffrey	Zonderman	MD
Deborah L.	McCoy	MD
Nina	Berrocal	MD
Paul C.	Chen	MD
Jean	Keamy	MD
Wayne	Scott	MD
Brad	Baker	MD
Brendan E.	McCarthy	MD
Carl	Park	MD
Maxwell	Snead III	MD
David	Chen	MD
David	Chen	MD
Jorge	Rivera	MD
Jason	Rothman	MD
Denise	Lugo	MD
Debra	Kroll	MD
Meher	Yepremyan	MD
Emma	Massicotte	MD
Stefanie	Davidson	MD
Gregory R	Blaha	MD PhD
Mandar	Joshi	MD
Dru	Krishnan	MD
Marcus	Marcet	MD
Arlene	Bagga	MD
Nancy	Flattem	MD
Cristiana	Pieroni	MD
Steven	Truong	MD
Victor	Chin	MD
Jane	Loman	MD
Stefanie	Schuman	MD
Zinaria	Williams	MD
Shazia S	Ahmed	MD
My Hahn	Nguyen	MD
David	Rhee	MD
Izumi	Yamamoto	MD
Isabel M.	Balderas	MD
Tom C.	Hsu	MD
Lindsay	Smithen	MD
Michael	Yoon	MD

Jeffrey	Chang	MD
Jeffrey	Chang	MD
Vivek	Chaturvedi	MD
Dan	Landmann	MD
Steven	Yoon	MD
John	Chen	MD
John	Chen	MD
Mark	Patron	MD
Matthew	Swanic	MD
Andre	Witkin	MD
Priti	Batta	MD
Matthew	Lazzara	MD
Namrata	Nandakumar	MD
Linda B.	Semela	MD
Jill	Carmody	MD
Catherine	Cox	MD
Jordana Goren	Fein	MD
Bryan	Monson	MD
Kavita	Bhavsar	MD
Michelle	Liang	MD
Laurel	Vuong	MD
Steven	Williams	MD
Claudia	Bartolini	MD
Jennifer	Renz	MD
Kevin	Sitko	MD
Avneet	Sodhi	MD
Joseph	Ho	MD
Gregory	Lee	MD
Nora	Muakkassa	MD
Kirsten	Tawse	MD

TEACHING RESPONSIBILITIES

I have been involved in residency training for twenty years. This includes clinic and surgical training. Both non-surgical and surgical patients are evaluated, and the art of diagnosis and treatment is discussed. Clinical training: focus is on formulating a diagnosis, treatment plan and communication with the patient.

Surgical training: includes a first or second year resident for 6-8 hours in the operating room. During this time I work with the resident one on one, teaching safe efficient state of the art cataract surgery. This includes teaching all steps of cataract surgery. It also includes the discussion of safety habits and management of complex and complications.

PROFESSIONAL SOCIETIES

Academy of Ophthalmology
American Society of Cataract and Refractive Surgeons
Women in Ophthalmology
Women's Eye Health
International Council of Ophthalmology
American Medical Association
New England Ophthalmology Society
Massachusetts Medical Society

OFFICE AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES

1998-2009	New England Ophthalmological Society (NEOS) Program Committee member
2008	Board Member Women in Ophthalmology
2009	Program Committee Women in Ophthalmology
2011	Program Committee Chair
2012	International Membership Committee Chair
2015	Women in Ophthalmology Vice President

MAJOR RESEARCH INTERESTS

Surgical Education
Procedural Medicine
Understanding and Preventing Cognitive Errors in Healthcare
Providing high quality Cataract surgery in developing countries

1998-2000	Investigator, Protocol #98-050, Safety and efficacy assessment of ADL2-1294 (Loperamide Hydrochloride Ophthalmic Solution, 0.025%) compared to morphine and vehicle control for the in-office management of pain and discomfort
1999-2000	Principal Investigator Optical Quality in patients with intraocular lenses
2002	Investigator Diffractive Intraocular lens Safety and Efficacy
April 2005	Co-investigator Bimanual vs. Coaxial Cataract surgery Learning Curve

EDITORIAL BOARDS AND ACTIVITY

2012-present	Editor for the Journal Highlights section American Academy Ophthalmology
2013-present	ASCRS Journal

BIBLIOGRAPHY

1994 Chapter: Viral Ophthalmologic and Parainfectious Diseases, in Handbook of Neurovirology, S. MacDonald, K. Digre, P. Zimmerman, Marcel Dekker, Inc. 1994.

1996	Poster presentation – American Academy of Ophthalmology Title: Comparison of NEON, Spreadsheet, and Database
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Management Analysis of Cataract Surgery Outcome Data

PRESENTATIONS, SPECIAL PROJECTS

Dec 2013	Visiting Professor University of Nairobi Complication management Cataract surgery Peer Review a method to improve patient safety Ethics as a compass of treatment options
Nov 2013	Course Director Ergonomics in Ophthalmology AAO WIO
Aug 2013	Complications Moderator WIO Aspen, CO
Jan 2013	Mature Cataracts management Small pupil management Park City Utah AAO Women in Ophthalmology symposium co Director: International Ophthalmology local solutions to global issues
Jan 2013	Medical Mission El Salvador
April 2012	ASCRS Complications management Cataract surgery
November 2012	<i>The "Local" Challenges of Global Ophthalmology</i> Women in Ophthalmology
Feb 2012	World Ophthalmology Congress Abu Dhabi Directory Symposium Women in Ophthalmology International Network WIO
Sept 2011	Shanghai Complications of Cataract surgery
August 2011	Director of Women in Ophthalmology Summer Symposium
June 2011	Mass eye and Ear Cataract Course invited lecture, Limbal relaxing incisions and instructor wet lab
May 2011	Director Cataract Course for residents Cleveland CORE
January 2011	Endophthalmitis prevention
August 2010	Lens Opacification, A late complication of cataract surgery
January 2010	ASAPROSAR Eye Surgical Campaign El Salvador
January 2009	Park City Utah: Utilizing Phacoemulsification Machines to produce safe surgery.
January 2009	Park City Utah: The Learning Curve of New Surgical Techniques
December 2008	Moderator New England Ophthalmology Society Cataract Session
August 2008	San Antonio Texas: How and When to remove Intraocular Lens
August 2008	San Antonio Texas: Devices and drugs to Manage Floppy Iris Syndrome
January 2008	Treatment of Opacified of intraocular lens Understanding Fluidics and Power modulation for Chopping Technique
January 2008	Invited Speaker Park City Cataract and Refractive Surgery
October 2007	Black Hills South Dakota Complications of Cataract Surgery
September 2007	Complications of Cataract Surgery

Fluidics and Power modulation Basics

June 2007	Harvard University Residency Training Course: Fluidics lecture
April 2007	American Society Cataract and Refractive Surgery Lecture: Torsional vs. Longitudinal phacoemulsification
March 2007	Residency Training Course: Fluidics, Management of Complications, and instructor Microsurgical training lab
January 2007	Park City Cataract Course: Tremor and Microsurgery Surgical Competence Fluidics
December 2006	New England Ophthalmology Society: Human Error in Cataract Surgery
September 2006	Fluidics and Power Modulation Residency Training Course Atlanta
May 2006	Fluidics and Power Modulation Residency training Course Chicago
Dec 2005	Subspecialty meeting New England Ophthalmology Society Moderator Phacoemulsification wet lab
April 2005	ASCRS Using new Technology for Safer surgery
April 2005	Matching Technique to Pathology Tufts Ophthalmology Residents
April 2005	Wet Lab Ophthalmology Residents
February 2005	2nd year Tufts Medical School Physical diagnosis
February 2005	Fluidics Ophthalmology Residents
August 2004	International meeting advancement of Cataract Surgery Panel member Vancouver Canada
August 2004	Lecture: New Technology Intraocular lens. Economic and ethical issues
September 2004	European Society of Cataract and Refractive Surgery: Training Residents in Cataract Surgery
April 2004	Harvard Medical School Lecturer: 1 st year medical students Eye
April 2004	Academy of Ophthalmology: Expert Panel Cataract and Refractive Surgery American Academy of Ophthalmology
March 2004	2 nd year Tufts Medical School Physical diagnosis
Feb 2004	2 nd Year Harvard Medical Students Physical Diagnosis
July 2003	Grand Rounds University of Arkansas: Invited Guest Speaker Grand Rounds Matching Technique and Technology Safer Cataract Surgery
May 2003	Eastern European and Middle Eastern Countries Impact Meeting; Venice Italy. Speaker and Panel Member. Teaching Safer Cataract Surgery.
April 2003	American Society of Cataract and Refractive Surgery Course Director: State of the Art Cataract Surgery
April 2003	ASCRS Technician Course: Viscoelastics
Feb 2003	University of Connecticut Grand Rounds: Managing Cataract Complications
Dec 2002	New England Ophthalmology Society: The Diffractive Multifocal IOL
Nov 2002	Alcon SERVA Course: Viscoelastics, Approach to Complicated Cataract Surgery
Oct 2002	American Academy of Ophthalmology: Complicated Cataract Surgery, Laser Surgery

April 2002	New England Ophthalmology Society presentation: Dye Enhanced Cataract Surgery
Aug 2001	Moderator Ophthalmology in the 21 Century Lahey Clinic Brewster Course. Lecture: Dye Enhanced Cataract Surgery
June 2001	New England Ophthalmology Society Lecture: Dye enhanced Cataract Surgery
April 2001	Program director ASCRS Course: Stress less transition to topical cataract surgery
April 2001	ASCRS Clinical and Surgical Program presentation: Preop evaluation of Cataract Surgery.
Mar 2001	Alcon Resident Training Program Fort Worth Texas: “Enhancing Surgical Performance”, Small Pupil Phacoemulsification”, “Managing Surgical Complications” Wet lab instructor.
2001	Cairo Egypt Invited Guest Professor Phacoemulsification Technology, Managing Complications, Surgical Instruction
Feb 2001	Lecture Tufts School of Medicine. “Fluidics” Understanding phaco-technology.
Nov 2001	Alcon Resident Training Program Fort Worth, Texas “Pre-op evaluation of Cataracts”, “Small Pupil Phacoemulsification”, Wet lab instructor
Oct 2000	American Academy of Ophthalmology Course Presentation: The Stress less Transition to Topical Clear Cornea Phacoemulsification for Residents and Accomplished Surgeons. Dallas, Texas
May 2000	Director: Phacoemulsification 8 hour course for Residents and Practicing surgeons
April 2000	Lecture Tufts School of Medicine. “Management of Complications in Cataract Surgery”
Nov 1999	Director of Phacoemulsification Course “Morning of Pearls and Afternoon of Practical Skills”
Nov 1999	Cataract Lecture “Small Pupil Phacoemulsification”
Nov. 1999	Grand Rounds- Lahey Clinic “Advances in Cataract Surgery”

Oct1999 Academy of Ophthalmology Course. “The stressless transition to topical clear-cornea cataract surgery.”

1999 Speaker: “Cataract Phacoemulsification Techniques” Tufts University
 1999 Teaching Professor, Cairo, Egypt.
 1999 Speaker, NEOS Meeting, April 16, 1999, “Prolonged Postoperative Inflammation.”

1998 Moderator, December 1998 NEOS Cataract Meeting

1996-1998 National Youth Leadership Forum: Educational organization founded to help better prepare secondary school students with scholastic merit and strong leadership potential for their future professional careers.

1994 Veterans Administration Cooperative Cataract
 Study, participating study surgeon,
 1992 Pseudomonas Keratitis Presentation, University of Utah Resident’s
 Day, 1992.
 1991 Sagittal sinus Thrombosis Presentation, University of Utah,
 Resident’s Day 1991.

1982 Subrenal Capsule Assay, University of Massachusetts, 1982.

1982 The Action of HCG on the Ovaries of Stressed, Immature Female
 Mice, Framingham State College, 1982.