

Harvard Medical School Curriculum Vitae

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Name: Suzanne K. Freitag, MD

Education

1990	BA	Chemistry and English	Duke University
1994	MD	Medicine	Jefferson Medical College

Postdoctoral Training

07/94-06/95	Intern	Transitional Internship	Chestnut Hill Hospital Philadelphia, PA
07/95-06/98	Resident	Ophthalmology	Wills Eye Hospital
07/98-06/99	Fellow	Neuro-ophthalmology (Neil R. Miller, MD)	Wilmer Eye Institute Johns Hopkins Hospital
07/99-06/01	Fellow	Ophthalmic Plastic Surgery (John Woog, MD Katrinka Heher, MD Arthur Grove, MD Michael Migliori, MD)	American Society of Ophthalmic Plastic and Reconstructive Surgery sponsored fellowship, multiple institutions, Boston, MA

Faculty Academic Appointments

08/01-08/02	Instructor – Oculoplastics	Ophthalmology	Wills Eye Hospital
08/01-08/02	Instructor	Ophthalmology	Jefferson Medical College
08/02-4/11	Assistant Professor	Ophthalmology	Boston University School of Medicine
12/12-06/16	Assistant Professor	Ophthalmology	Harvard Medical School
07/16-	Associate Professor	Ophthalmology	Harvard Medical School

Appointments at Hospitals/Affiliated Institutions

07/94-06/95	Transitional Intern		Chestnut Hill Hospital
07/95-06/98	Resident Physician	Ophthalmology	Wills Eye Hospital
07/98-06/99	Neuro-ophthalmology Fellow	Wilmer Eye Institute	Johns Hopkins Hospital
07/99-06/01	Ophthalmic Plastic Surgery Fellow	Ophthalmology	Massachusetts Eye and Ear Infirmary
07/99-06/01	Ophthalmic Plastic Surgery Fellow	Ophthalmology	Tufts New England Medical Center
07/99-06/01	Ophthalmic Plastic Surgery Fellow	Surgery Ophthalmology Division	Beth-Israel Deaconess Medical Center
07/00-06/01	Ophthalmic Plastic Surgery Fellow	Ophthalmology	Rhode Island Hospital
08/01-07/02	Active Staff	Ophthalmology Ophthalmic Plastic Surgery	Wills Eye Hospital
08/01-07/02	Active Staff	Ophthalmology	Thomas Jefferson University Hospital
08/02-04/11	Active Staff	Ophthalmology	Boston Medical Center
08/02 - 04/12	Active Staff	Surgery Ophthalmology Division	VA Boston Medical Center
10/02-04/11	Courtesy Staff	Ophthalmology	Leonard Morse Hospital
12/04 - 03/09 -	Courtesy Staff	Ophthalmology	Emerson Hospital
	Courtesy Staff	Surgery Ophthalmology Service	Newton-Wellesley Hospital
3/11-	Associate Surgeon	Ophthalmology	Massachusetts Eye and Ear Infirmary
5/11-	Clinical Associate	Ophthalmology	Massachusetts General Hospital
8/11-	Active Staff	Ophthalmology	Brigham and Women's Hospital
11/11-	Active Staff	Ophthalmology	Beth Israel Deaconess Medical Center

Major Administrative Leadership Positions

Local

2001-2010	Course Director, Ophthalmology Resident Annual Suture Technique Course	Boston Medical Center
2002-2011	Director, Ophthalmic Plastic and Reconstructive Surgery Service	Boston Medical Center
2003-2011	Director, Ophthalmic Plastic Surgery Fellowship	Boston Medical Center
2010	Course Director, Ophthalmology Resident Orbital Dissection Course	Boston Medical Center
2011-present	Director, Ophthalmic Plastic Surgery Service	Massachusetts Eye and Ear Infirmary
2011-present	Course Director, Ophthalmology Resident Annual Suture Technique Course	Massachusetts Eye and Ear Infirmary
2011	Course Director, Ophthalmology Resident Orbital Dissection Course	Tufts New England Medical Center

2013-present	Course Director, Ophthalmology Resident and Fellow Orbital Dissection Course	Massachusetts Eye and Ear Infirmary
2013-present	Director of Network Development, Department of Ophthalmology	Massachusetts Eye and Ear Infirmary
2014 & 2017	Symposium Director/ Graves' Disease and Thyroid Foundation regional patient forum	Massachusetts Eye and Ear Infirmary
2014-2017	MEEI – NEJM Clinicopathologic Case annual presentation organizer and liaison	Massachusetts Eye and Ear Infirmary
2015-2019	Board of Directors, Massachusetts Eye and Ear Associates	Massachusetts Eye and Ear Infirmary
2016-present	Co-Founder/ Co-Director, Center for Thyroid Eye Disease and Orbit Surgery	Massachusetts Eye and Ear Infirmary
Regional		
2013	Moderator/ Oculoplastics session organizer	New England Ophthalmological Society
2014	Moderator/ Oculoplastics session organizer	New England Ophthalmological Society
National and International		
2010-2011	American Society of Ophthalmic Plastic and Reconstructive Surgery Fellowship Program Director	Boston Medical Center
2011-present	American Society of Ophthalmic Plastic and Reconstructive Surgery Fellowship Program Director	Massachusetts Eye and Ear Infirmary
2012	Course Director, 38 th Annual Kevin Hill Seminar in Ophthalmology, Oculoplastics	Colby College, Waterville, ME
2014-present	Course Director, ASOPRS fellows and MEEI residents Orbital Dissection Course	Massachusetts Eye and Ear Infirmary
2014-2015	ACGME Ophthalmic Plastic Surgery Fellowship Program Director	Massachusetts Eye and Ear Infirmary
2016, 2018	Course Co-Director, ASOPRS fellows and MEEI residents Orbital Fracture Plating Course	Massachusetts Eye and Ear Infirmary
2016-present	Course Director, Workshop in flap techniques in oculoplastic surgery	American Academy of Ophthalmology Annual Meeting, Chicago, IL

Committee Service

Local

2001-05	Alumni Association Executive Committee	Jefferson Medical College
2009	Dean's Task Force on OMFS Curriculum/ Integrated MD Program	Boston Medical Center
2011-	Practice Advisory Committee	Massachusetts Eye and Ear Infirmary
2011-	Fellowship Committee	Massachusetts Eye and Ear Infirmary
2013-16	Retina Faculty Search Committee	Massachusetts Eye and Ear Infirmary
2013-	Residency Selection Committee	Massachusetts Eye and Ear Infirmary
2015-16	Annual Golf Classic Organizing Committee	Massachusetts Eye and Ear Infirmary

Regional

National and International

1992-94, 2009-2012	Alumni Admissions Committee	Duke University Interviewer
2018- present	Data & Safety Monitoring Committee/ SIGHT Study	NIH/ Jaeb Center for Health Research

Professional Societies

1995- 2018-2023	American Academy of Ophthalmology	Fellow Ophthalmic Technology Assessment Committee – Oculoplastics and Orbit Panel Fellow
2001- 2001- 2001- 2007-2010 2001- 2005- 2006- 2009- 2009-2010 2010-2012 2011-2012 2011	American Society of Ophthalmic Plastic and Reconstructive Surgery	Education Committee Oral Examiner Chair, Oral Examinations Written Examination Committee Public Relations Committee Advocacy Representative, Massachusetts Fellowship Preceptor Committee Nominating Committee Awards Committee Chair, Awards Committee Program Committee Abstract Reviewer
2005- 2006- 2004-2006	New England Oculoplastics Society New England Ophthalmological Society Massachusetts Society of Eye Physicians and Surgeons	
2000-2008 2013- 2000-2004	Women in Ophthalmology	Board of Directors
2012- 2017-present	International Thyroid Eye Disease Society	Board of Directors
2013- 2013	Graves Disease and Thyroid Foundation Association for Research in Vision and Ophthalmology	
2017-	European Society of Ophthalmic Plastic and Reconstructive Surgery	International Member

Editorial Activities

Ophthalmology
Ophthalmic Plastic and Reconstructive Surgery
Survey of Ophthalmology
Clinical Anatomy
Ophthalmic Surgery, Lasers and Imaging
Investigative Ophthalmology and Visual Science (IOVS)
American Journal of Ophthalmology
Digital Journal of Ophthalmology

JAMA Ophthalmology
British Journal of Ophthalmology

Other Editorial Roles

2016-2017	Section Editor, Ophthalmology	Csurgeries.com
2018-present	Editor-In-Chief	Orbit – The International Journal on Orbital Disorders, Oculoplastic and Lacrimal Surgery

Honors and Prizes

1990	Phi Lambda Upsilon National Honorary Chemistry Society	Duke University
1992	William Potter Wear Prize for Medical Research	Jefferson Medical College
1992	Hobart A. Hare Medical Honor Society	Jefferson Medical College
1994	Carroll R. Mullen Memorial Prize in Ophthalmology	Jefferson Medical College
2004	Achievement Award	American Academy of Ophthalmology
2006	Behrooz Koleini Resident Teaching Award	Boston University Department of Ophthalmology
2008	Resident Surgical Teaching Award	Boston University Department of Ophthalmology
2013	Mentorship Award	American Medical Association – Women Physicians Section
2015	Leadership Development for Physicians and Scientists	Harvard Medical School
2016	Senior Achievement Award	American Academy of Ophthalmology

Report of Funded and Unfunded Projects

Funding Information

Past

2014-15	“Lymphangiogenesis in thyroid eye disease” Massachusetts Lions Eye Research Foundation Grant (\$20,000) Co-PI (Co-PI – Leo Kim MD PhD)
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Immunohistochemical and mRNA analysis of human orbital fat from patients with thyroid orbitopathy with a focus on angiogenesis and lymphangiogenesis.

Current

- 2014-16 “Animal models of acute and chronic thyroid eye disease”
American Thyroid Association Research Grant (\$50,000 over 2 years)
Co-Investigator (PI – Leo Kim, MD PhD)
Development of mouse models of idiopathic orbital inflammation and thyroid orbitopathy upon which to test anti-angiogenesis and other therapies.
- 2016-18 Vasculogenesis in Thyroid Eye Disease - 1R21EY027061-01 NIH grant
Collaborator (PI – Leo Kim, MD PhD)
Goal: To assess the importance of vascular endothelial growth factor upregulation and downregulation in acute versus chronic thyroid eye disease, which may lead to a potentially new local treatment strategy for thyroid eye disease.

Current Unfunded Projects

- PI/ Simultaneous repair of upper and lower eyelid retraction in thyroid orbitopathy. To describe surgical technique and outcomes of internal recession and tarsal grafting.
- PI/ A retrospective review of patients with periorbital and ocular surface tumors who have undergone sentinel lymph node biopsy. To describe the most common nodal basin drainage sites and incidence of node positivity in order to clarify indications for SLNB.
- PI/ Comparison of polymerase chain reaction to culture in orbital and periorbital infections. To determine the accuracy of common culture techniques with a goal of encouraging rapid PCR organism identification and treatment.
- PI/ A retrospective review of visual field changes in patients with thyroid orbitopathy. To describe a common but previously unreported pattern of visual field loss in this population.
- PI/ The importance of the inferomedial bony strut in orbital decompression for thyroid eye disease. To retrospectively review outcomes of strut preservation versus removal with regard to diplopia and amount of decompression achieved.

Report of Local Teaching and Training

Teaching of Students in Courses

2001-2002	Ophthalmology Elective 3 rd and 4 th year medical students	Jefferson Medical College 5-hour sessions per wk for 2 wks
2002	Metabolic and Neurologic Diseases of the Eye (Clinical Medicine Course) 2 nd year medical students	Jefferson Medical College 1 hour lecture
2011-	Physical Diagnosis: Eye Examination 2 nd year medical students	Harvard Medical School 1 four hour practical session each year

Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs)

2000	Orbital Surgery (Orbital Dissection Course) Ophthalmology residents and fellows	Massachusetts Eye and Ear Infirmary Half hour lecture
2001-2002	Oculoplastics Eye Opener and Core Lecture Ophthalmology residents and fellows	Wills Eye Hospital Four one hour lectures
2001-2010	Oculoplastics Suture Course Ophthalmology 1 st year residents	Boston Medical Center (city-wide course) Three hour didactic and suturing workshop
2001-2011	Oculoplastics Lecture Series Ophthalmology residents and fellows	Boston Medical Center/ VA Boston One hour lecture every other week
2003, 2007-2010	Thyroid Orbitopathy Endocrine fellows	Boston Medical Center One hour lecture
2004, 2006	Blepharoplasty Pearls and Complications Otolaryngology residents	Boston Medical Center One hour lecture
2005	Orbital Anatomy and Enucleation Surgery Ophthalmology residents and fellows	Tufts New England Eye Center Two hour lecture
2006	Cosmetic Oculoplastics Oral Maxillofacial residents	Boston Medical Center One hour lecture
2006- present	Eyelid and Lacrimal Boards Review Ophthalmology residents and fellows	Boston city-wide OKAP Review Series Two hour lecture annually
2007	Eyelid Reconstruction Otolaryngology residents	Boston Medical Center One hour lecture
2011	Blepharoplasty Pearls Otolaryngology Residents	Massachusetts Eye and Ear Infirmary One hour lecture
2011-2013	Soft Tissue Suture Course: Suture Materials and Techniques Ophthalmology 1 st year residents	Mass Eye and Ear Infirmary (New England regional course) Three hour didactic and suturing workshop
2011	Orbital Vasculature Tufts and BU ophthalmology residents	Tufts New England Eye Center One hour lecture
2011	Oculoplastics Emergencies Ophthalmology 1 st Year residents	Massachusetts Eye and Ear Infirmary One hour lecture
2011	Systemic Medicines in Oculoplastics Ophthalmology Residents	Massachusetts Eye and Ear Infirmary One hour lecture
2011	Blepharoptosis and Upper Eyelid Anatomy Ophthalmology Residents	Massachusetts Eye and Ear Infirmary One hour lecture
2011- present	Oculoplastics Journal Club Ophthalmology Residents and Fellows	Massachusetts Eye and Ear Infirmary 2 hours every other month
2012	Enucleation, Evisceration and Implants Ophthalmology Residents and Fellows	Massachusetts Eye and Ear Infirmary One hour lecture
2012	Oculoplastics Emergencies Ophthalmology 1 st Year Residents	Massachusetts Eye and Ear Infirmary One hour lecture
2012	Ptosis Ophthalmology Residents and Fellows	Massachusetts Eye and Ear Infirmary One hour lecture
2012-	Oculoplastics, Neuroophthalmology, Radiology Conference	Massachusetts Eye and Ear Infirmary

2013	Ophthalmology Residents and Fellows Anophthalmic Socket	One hour conference every other month Massachusetts Eye and Ear Infirmary
2013	Ophthalmology Residents and Fellows Ectropion and Entropion	One hour lecture Massachusetts Eye and Ear Infirmary
2014	Ophthalmology Residents and Fellows Oculoplastics Emergencies	One hour lecture Massachusetts Eye and Ear Infirmary
2014-present	Ophthalmology 1 st Year Residents Soft Tissue Suture Course: Suture Materials	One hour lecture Mass Eye and Ear Infirmary (New England regional course)
2015	Cosmetic Oculoplastics: Facial Fillers Ophthalmology Residents and Fellows	Massachusetts Eye and Ear Infirmary One hour lecture
2015	Orbital Dissection Course: Lower eyelid anatomy Ophthalmology Residents and Fellows	Mass Eye and Ear Infirmary (National Course) 20 minute lecture
2016	Orbital Fracture Plating Course: Orbital Blow-out Fractures Ophthalmology Residents and Fellows	Mass Eye and Ear Infirmary (National course) 20 minute lecture
2016	Eyelid malposition: Entropion and Ectropion Ophthalmology Residents and Fellows	Mass Eye and Ear Infirmary One hour lecture
2016	Oculoplastics in the Emergency Department Ophthalmology 1 st Year Residents	Massachusetts Eye and Ear Infirmary One hour lecture
2016	Enucleation, Evisceration and Prosthesis Ophthalmology Residents and Fellows	Massachusetts Eye and Ear Infirmary One hour lecture
2017	Orbital Dissection Course: Lower eyelid anatomy Ophthalmology Residents and Fellows	Mass Eye and Ear Infirmary (National Course) 20 minute lecture
2017	Cosmetic oculoplastics: Facial Fillers Ophthalmology Residents and Fellows	Massachusetts Eye and Ear Infirmary One hour lecture
2017	Orbital Infection and Inflammation Ophthalmology Residents and Fellows	Massachusetts Eye and Ear Infirmary One hour lecture
2017	Oculoplastics Emergencies Ophthalmology 1 st Year Residents	Massachusetts Eye and Ear Infirmary One hour lecture
2018	Ectropion and Entropion Ophthalmology Residents and Fellows	Massachusetts Eye and Ear Infirmary One hour lecture
2018	Orbital Fracture Plating Course: Orbital Blow-out Fractures Ophthalmology Residents and Fellows	Mass Eye and Ear Infirmary (National course) 20 minute lecture
2018	Oculoplastics Emergencies Ophthalmology 1 st Year Residents	Massachusetts Eye and Ear Infirmary One hour lecture

Clinical Supervisory and Training Responsibilities

2001-2002	Ophthalmic Plastic Surgery Clinic and Surgical Resident Preceptor/ Wills Eye Hospital	20 hours per week
2002-2011	Ophthalmic Plastic Surgery Clinic and Surgical Resident Preceptor/ Boston	30 hours per week

	Medical Center	
2002-	Ophthalmic Plastic Surgery Clinic and Surgical Resident Preceptor/ VA Boston	11 hours per week
2002-2011	Ophthalmic Plastic Surgery Clinic Medical Student Preceptor/Boston Medical Center	8 hours per week x 10 weeks/year
2003-2011	Ophthalmic Plastic Surgery Clinic and Surgical Fellow Preceptor/ Boston Medical Center	30 hours per week
2003-2011	Ophthalmic Plastic Surgery Clinic and Surgical Fellow Preceptor/ VA Boston	11 hours per week
2011-	Ophthalmic Plastic Surgery Clinic and Surgical Resident and Fellow Preceptor/ Massachusetts Eye and Ear Infirmary	50 hours per week

Formally Supervised Trainees

2003-2004	Jack Zamora, MD/ Cosmetic Consultants of Colorado Clinical Fellow (1 year)
2005-2006	Mitesh Kapadia, MD, PhD/ Assistant Professor of Ophthalmology, Tufts University School of Medicine Clinical Fellow (1 year)
2006-2007	Li-Wei Lin, MD/ Assistant Professor of Ophthalmology, Boston University School of Medicine Clinical Fellow (1 year)
2006	Irene Lee, MD/ Boston University ophthalmology resident Mentor and research advisor (2 years), co-authored publication
2006	Sonia Mehta/ Medical student, Boston University Research advisor (1 month), co-authored publication
2007-2008	John J. Lee, MD, MPH/ Assistant Professor of Ophthalmology, Boston University School of Medicine Clinical Fellow (1 year)
2008-2009	Alexander Rabinovich, MD/ Instructor, New York Eye and Ear Infirmary Clinical Fellow (1 year)
2008	Sonia Dhar, MD/ Boston University ophthalmology resident Mentor and research advisor (1 year), co-authored publication
2008	Roya Ghafouri, MD/ Boston University ophthalmology resident Mentor and research advisor (1 year), co-authored publication
2008	Felicia Allard/ Medical Student, University of Colorado Clinical and Research elective (3 months), co-author 5 publications
2008	Amanda Cavicchio/ Medical Student, Boston University Faculty advisor (1 year), co-authored case report
2008	Catharina Latz, MD/ Boston University ophthalmology resident Research advisor (2 months), co-authored case report
2009-2010	Elena Geller, MD/ Fallon Clinic Ophthalmology Staff Clinical Fellow (1 year)
2009-2011	Christine Pham-Lagler, MD/ Resident in Ophthalmology, Boston University Faculty advisor (1 year), co-authored poster presentation and 2 publications
2010-2012	Daniel Lefebvre, MD/ Faculty, Massachusetts Eye and Ear Infirmary American Society of Ophthalmic Plastic and Reconstructive Surgery–approved clinical

fellow (2 years)
 2011-2012 Nahyoung Grace Lee, MD/
 Research Fellow in Ophthalmic Plastic Surgery, MEEI (1 year)
 2011 Catherine Choi, MD/ Intern in Preliminary Internal Medicine, Massachusetts General
 Hospital
 Ophthalmic plastic surgery elective (2 weeks)
 2011-2012 Mamta Shah, Boston University Medical Student and one year research fellow at MEEI
 Co-mentor research fellowship (1 year), poster presentation and publication
 2012-2014 Nahyoung Grace Lee, MD/ Faculty, Massachusetts Eye and Ear Infirmary
 American Society of Ophthalmic Plastic and Reconstructive Surgery-approved clinical
 fellow (2 years)
 2012 Thanos Papakostas, MD/ Harvard ophthalmology resident
 Research collaborator (2 months), co-authored 2 publications
 2012 Emir Sandhu, Harvard Medical Student
 Ophthalmology elective preceptor (1 month)
 2012 Daniel Gologorsky, Dartmouth Medical Student
 Ophthalmology elective (1 month), co-authored case report
 2012 Gerardo Gonzalez-Saldivar, Nuevo Leon Monterrey Mexico medical student
 Ophthalmology elective (1 month), co-authored case report
 2012 Mrinali Patel, MD/ Harvard ophthalmology resident
 Research advisor (1 month), co-authored case report
 2012 Mohab Eldeeb/ Medical student, Egypt
 Ophthalmology elective (1 month)
 2013 Ana Luz Morales, Medical Student, Guatemala
 Ophthalmology elective (1 month)
 2013 Ting H. Lin, International Medical Student
 Ophthalmology elective (1 month)
 2013 Sonali Nagendran, Ophthalmology Resident, England
 Ophthalmology research elective (4 months), co-authored paper and podium presentation
 2013 Alison Callahan, MD/ Harvard ophthalmology resident
 Advisor and research advisor (1 year), co-authored 2 publications
 2013 Katherine Talcott, MD/ Harvard ophthalmology resident
 Research advisor (1 month), co-authored case report
 2013 Ashley Campbell, MD/ Harvard ophthalmology resident
 Mentor and research advisor (1 year), co-authored 1 publication
 2013 Eubee Koo/ Harvard medical student
 Ophthalmology elective (1 month)
 2014 Livia Teo, MD/ Ophthalmic Plastic Surgery fellow, Singapore

 Research Fellow and Clinical Observer (6 months)
 2014 Deniz Turgut Coban, MD/ Faculty, Antalya Education and Research Hospital, Turkey
 Clinical Observer (1 month)
 2014 Imran Jivraj, MD/ Ophthalmology Resident, University of Alberta, Canada
 Elective in Ophthalmic Plastic Surgery (2 weeks)
 2014 Mohamed El-Nidany/ Medical student, Egypt
 Ophthalmology elective (1 month)
 2015 Peter MacIntosh, MD/ Faculty, Illinios Eye and Ear Infirmary
 ACGME Clinical fellow (1 year)

2014-2015	Lora Dagi Glass, MD/ American Society of Ophthalmic Plastic and Reconstructive Surgery-approved clinical fellow MEEI (2 years)
2014-2016	Kong Yu, MD/ Attending ophthalmic plastic surgeon, China Observational fellowship (1 month)
2015	Patrick Shields/ Jefferson medical student Ophthalmic plastic surgery elective (1 month)
2015	Tahir Ahmed/ Harvard medical student Ophthalmology elective (1 month)
2015	Nina Jain/ Harvard medical student Ophthalmology elective (1 month)
2015	Ophthalmology research advisor (1 month) Juan Carlos Jiminez Perez, MD/ ACGME MEEI Ophthalmic Plastic Surgery clinical fellow (2 years)
2015	Jonathan Hall/ German Medical Student Research collaborator (2 months)
2015-2106	Catherine Choi, MD/ Clinical and research fellow in ophthalmic plastic surgery MEEI (1 year)
2014-2106	Lora Dagi Glass, MD/Faculty, Columbia University Department of Ophthalmology American Society of Ophthalmic Plastic and Reconstructive Surgery-approved clinical fellow (2 years)
2015-2107	Juan Carlos Jimenez-Perez, MD/ ACGME MEEI Ophthalmic Plastic Surgery clinical fellow (2 years)
2016-2017	Hokyung Choung, MD/ Faculty, Ophthalmic Plastic Surgery, Seoul Korea Research fellow and clinical observer (1 year)

Formal Teaching of Peers (e.g., CME and other continuing education courses)

2000	Botulinum Toxin Injection: Aesthetic Uses New England Eye Center Oculoplastics Update	Single presentation Boston
2001	Helical computed tomographic dacryocystography with three-dimensional reconstruction: A new view of the lacrimal system New England Eye Center Oculoplastics Update	Single presentation Boston
2001	Mullers muscle resection Wills Eye Hospital Oculoplastics Update	Single presentation Philadelphia
2002	Thyroid ophthalmopathy and orbital lymphoma Wills Eye Hospital Oculoplastics Update	Single presentation Philadelphia

Local Invited Presentations

1997	Malignant melanoma of the retina (Melanogenic primitive neuroectodermal tumor)/ Plenary talk (abstract) Wills Eye Hospital Annual Conference, Philadelphia
1998	The SOOF Lift/ Plenary talk (abstract)

- 1999 Wills Eye Hospital Annual Conference, Philadelphia
The ice test for myasthenia gravis/ Plenary talk
Wilmer Eye Institute 58th Clinical Meeting, Baltimore
- 2001-2011 Ophthalmic Plastic Surgery Topics/ Grand Rounds (once per year)
Boston University Department of Ophthalmology
- 2011 Nodular Fasciitis/ Grand Rounds
Massachusetts Eye and Ear Infirmary Ophthalmology, Boston
- 2011 Recurrence of Dacryocystitis in Post-Dacryocystorhinostomy Patients/ Invited Speaker
Massachusetts Eye and Ear Infirmary Ophthalmology Annual Meeting, Boston
- 2011 Eyelid Malposition: Entropion, ectropion and ptosis/ Grand Rounds
Department of Otolaryngology, Massachusetts Eye and Ear Infirmary, Boston
- 2012 Thyroid Eye Disease/ Invited Discussant
Children's Hospital Boston Pediatric Ophthalmology Journal Club, Boston
- 2012 Idiopathic Orbital Inflammation/ Grand Rounds
Department of Internal Medicine, Brigham and Women's Hospital, Boston
- 2012 Orbital Implants/Invited Speaker
Neuroradiology Department, Massachusetts General Hospital, Boston
- 2013 Pediatric orbital fractures/ Invited Speaker
Neuroradiology Department, Massachusetts General Hospital, Boston
- 2013 Orbital and Ophthalmic Implants/ Invited speaker
Neuroradiology Department, Beth Israel Deaconess Medical Center, Boston
- 2013 A case of an 18 year old with pharyngitis, fever and diplopia/ Clinicopathologic
Conference
Department of Internal Medicine, Massachusetts General Hospital, Boston
- 2014 Complications of Orbital Floor Fracture Repair/ Grand Rounds
Department of Oral and Maxillofacial Surgery, Massachusetts General Hospital, Boston
- 2014 Blepharoplasty and Periorbital Rejuvenation/ Grand Rounds
Department of Otolaryngology, Massachusetts Eye and Ear Infirmary, Boston
- 2014 A 41-year-old woman with decreased vision in the left eye and diplopia/ Clinicopathologic
Conference
Department of Ophthalmology, Massachusetts Eye and Ear Infirmary, Boston
- 2016 Thyroid Eye Disease/ Grand Rounds
Department of Otolaryngology, Massachusetts Eye and Ear Infirmary, Boston
- 2017 A dialogue on OCP and SJS/ Invited Speaker
Massachusetts Eye Research and Surgery Institution, Waltham, MA
- 2017 Thyroid Eye Disease: An Overview/ Invited Speaker
Endocrine Division, Brigham and Women's Hospital, Boston, MA
- 2018 A dialogue on OCP and SJS/ Invited Speaker
Massachusetts Eye Research and Surgery Institution, Waltham, MA

Regional, National and International Invited Teaching and Presentations

Invited Presentations and Courses

No presentations below were sponsored by outside entities.

Regional

- 1992 An epidemiologic and pathologic study of globes enucleated following trauma/ Plenary
talk (abstract)

1999 Pennsylvania Academy of Ophthalmology Scientific Meeting, Hershey, PA
 Ophthalmology for Primary Care Physicians/ Grand Rounds
 Franklin Square Hospital, Baltimore

2003 Congenital ptosis and Marcus-Gunn jaw wink/ Invited Speaker
 New England Ophthalmological Society, Boston

2003 Trichiasis and Distichiasis/ Invited Speaker
 New England Oculoplastics Society, Boston

2005 Oculoplastics Update/ Co-Moderator
 New England Ophthalmological Society, Boston

2006 Botox Update/ Invited Speaker
 New England Ophthalmological Society, Boston

2006-2011 Boston-wide OKAP Review for residents – Oculoplastics/ Lecture
 Boston University Medical Center, Boston

2011 Lower Eyelid Malposition: Entropion and Ectropion/ Invited Speaker
 New England Ophthalmological Society, Boston

2011 Ophthalmic Plastic Surgery Update/ Invited Speaker
 Maine Society of Eye Physicians and Surgeons, Freeport, ME

2012-present Boston-wide OKAP Review for residents – Oculoplastics/ Lecture
 Massachusetts Eye and Ear Infirmary, Boston

2012 Thyroid Eye Disease/ Invited Speaker
 American Association of Clinical Endocrinologists New England Chapter Annual
 Meeting, Dedham, MA

2012 Botulinum toxin: Getting started with cosmetic treatment/ Invited Speaker
 38th Annual Kevin Hill Seminar in Ophthalmology, Waterville, ME

2012 Cosmetic facial fillers/ Invited Speaker
 38th Annual Kevin Hill Seminar in Ophthalmology, Waterville, ME

2012 Blepharoplasty: Sparing versus excising fat/ Invited Speaker
 38th Annual Kevin Hill Seminar in Ophthalmology, Waterville, ME

2012 Thyroid Eye Disease: Overview and Diagnosis/ Invited Speaker
 38th Annual Kevin Hill Seminar in Ophthalmology, Waterville, ME

2012 Beta-blocker therapy for infantile cutaneous hemangiomas/ Invited Speaker
 38th Annual Kevin Hill Seminar in Ophthalmology, Waterville, ME

2013 Fifteen Minutes on Facial Fillers/ Invited Speaker
 6th Annual Cape Cod Innovations in Ophthalmology, Brewster, MA

2013 Oculoplastics Update on Systemic Medications/ Invited Speaker
 6th Annual Cape Cod Innovations in Ophthalmology, Brewster, MA

2015 Challenges in the management of the anophthalmic socket/ Invited Speaker
 New England Ophthalmological Society, Boston

2015 Debate: Orbital decompression versus radiotherapy and systemic immunotherapy for
 thyroid eye disease
 New England Ophthalmological Society, Boston

National

1999 Domestic Violence: Fear of Intervention/ Invited Speaker
 American Academy of Ophthalmology Annual Meeting, Orlando

1999-present Flap Reconstruction/ Course Instructor
 American Academy of Ophthalmology Annual Meetings (various locations)

2000 As ye sow, so shall ye reap: Craniopharyngioma case/ Plenary talk (abstract)

Walsh Society Annual Meeting, Montreal

2000, 2001 Introduction to aesthetic lasers for eyelid surgery/ Course Instructor
American Academy of Ophthalmology Annual Meetings, Dallas and New Orleans

2001 A new view of the lacrimal drainage system/Invited speaker
Women in Ophthalmology Annual Summer Symposium, Aspen

2001, 2002 Microdermabrasion/ Roundtable Moderator
American Academy of Ophthalmology Annual Meetings, New Orleans and Orlando

2002 Microdermabrasion/ Invited speaker
Women in Ophthalmology Annual Summer Symposium, Aspen

2002 Upper and lower lid blepharoplasty/ Roundtable Moderator
American Academy of Ophthalmology Annual Meeting, Orlando

2003 Evaluation and Management of Pediatric Orbital Fractures/ Invited Speaker
American Academy of Ophthalmology Annual Meeting, Anaheim

2003 Cosmetic use of Botox/ Roundtable Moderator
American Academy of Ophthalmology Annual Meeting, Anaheim

2004 Enucleation, Evisceration and Prosthetics/ Invited Speaker
American Society of Ophthalmic Registered Nurses Annual Meeting, New Orleans

2006 Restylane and Botox/ Invited Speaker
American Society of Ophthalmic Registered Nurses Annual Meeting, Las Vegas

2009 Oculoplastics Café/ Invited Panelist
American Academy of Ophthalmology Annual Meeting, San Francisco

2010 Oculoplastics Café/ Invited Panelist
American Academy of Ophthalmology Annual Meeting, Chicago, IL

2010 Complications secondary to Medpor coated tear drains used to treat lacrimal canalicular obstruction/ Plenary talk (abstract)
American Society of Ophthalmic Plastic & Reconstructive Surgery Spring Meeting, Aspen

2011 Extirpation of periorbital nodular fasciitis via the slow-Mohs technique: A case report/
Plenary talk (abstract)
American Society of Ophthalmic Plastic and Reconstructive Surgery Spring Meeting,
Amelia Island, FL

2011 Ophthalmic Plastic Surgery Update/ Invited Speaker
American Society of Retina Specialists Annual Meeting, Boston, MA

2011 Dermal Fillers for Facial Rejuvenation/ Invited Speaker
Women in Ophthalmology New York Chapter 5th Annual Meeting & Columbia University
Ophthalmology Department, New York, NY

2011 Oculoplastics Café/ Invited Panelist
American Academy of Ophthalmology Annual Meeting, Orlando, FL

2011 Oculoplastics Free Paper Session/ Discussant
American Academy of Ophthalmology Annual Meeting, Orlando, FL

2012 Oculoplastics Café/ Invited Panelist
American Academy of Ophthalmology Meeting, Chicago, IL

2013 Wegeners Granulomatosis/ Grand Rounds
Yale Eye Center, New Haven, CT

2013 Dermal Fillers for Facial Rejuvenation/ Visiting Professor
Yale Eye Center, New Haven, CT

2013 Beta-blocker therapy for Infantile Capillary Hemangiomas/ Visiting Professor
Yale Eye Center, New Haven, CT

2013 Systemic Medications and Oculoplastics/ Visiting Professor

Department of Ophthalmology, University of California- Davis
 2013 Introduction to Cosmetic Facial Fillers/ Visiting Professor
 Department of Ophthalmology, University of California- Davis
 2013 Getting started with Botulinum toxin/ Visiting Professor
 Department of Ophthalmology, University of California- Davis
 2013 Pediatric Orbital Fractures/ Invited Speaker
 American Academy of Pediatric Ophthalmology and Strabismus, Boston, MA
 2013 Endoscopic bimanual approach to an intraconal cavernous hemangioma of the orbital apex
 with vascularized flap reconstruction/ Plenary talk (abstract)
 American Society of Ophthalmic Plastic and Reconstructive Surgery Spring Meeting,
 Newport, RI
 2013 A retrospective review of eyelash number in patients who have undergone full-thickness
 eyelid resection/ Plenary talk
 American Society of Ophthalmic Plastic and Reconstructive Surgery Fall Meeting, New
 Orleans , LA
 2013 Oculoplastics Café/ Invited Panelist
 American Academy of Ophthalmology Annual Meeting, New Orleans, LA
 2014 Dermal Fillers for Facial Rejuvenation/ Visiting Professor
 Department of Ophthalmology, University of Texas Medical Branch, Galveston, TX
 2014 Dermal Fillers for Facial Rejuvenation/ Visiting Professor
 Department of Ophthalmology, University of Texas, Houston TX
 2014 Dermal Fillers for Facial Rejuvenation/ Visiting Professor
 Department of Ophthalmology, Baylor College of Medicine, Houston, TX
 2014 Update on Oculoplastics/ Guest of Honor
 Houston Ophthalmological Society, Houston, TX
 2014 Lower Eyelid and Lacrimal Anatomy/ Course Instructor
 ASOPRS Fellows and MEEI residents Orbital Dissection Course, MEEI, Boston, MA
 2014 Transnasal endoscopic vascularized pedicle flap repair of the medial orbital wall/ Plenary
 talk (abstract)
 American Society of Ophthalmic Plastic and Reconstructive Surgery Spring Meeting, Park
 City, UT
 2014 Oculoplastics Café/ Invited panelist
 American Academy of Ophthalmology Annual Meeting, Chicago, IL
 2015 Upper Blepharoplasty: Anatomy, Technique and Pearls/ Invited Speaker
 American Academy of Cosmetic Surgery Annual Scientific Meeting, New Orleans, LA
 2015 What's new in oculoplastics? Part I/ Invited Speaker
 2015 Albany Ophthalmology Update, Albany, NY
 2015 What's new in Oculoplastics? Part II/ Invited Speaker
 2015 Albany Ophthalmology Update, Albany, NY
 2015 Minimally invasive orbital apex surgery/ Invited Speaker
 2015 Albany Ophthalmology Update, Albany, NY
 2015 Ptosis repair: Nuts, bolts and pearls/ Invited speaker
 American Society of Plastic Surgery Annual Meeting, Boston, MA
 2015 Cosmetic Facial Fillers/ Visiting Professor
 Department of Ophthalmology/ University of Chicago/ Chicago, IL
 2015 Orbital Implants: A Radiologic Review/ Visiting Professor
 Department of Radiology/ University of Chicago/ Chicago, IL
 2015 Oculoplastics Café/ Invited panelist

- 2016 American Academy of Ophthalmology Annual Meeting, Las Vegas, NV
Patterns of visual field changes in thyroid eye disease related compressive optic neuropathy/ Plenary talk (abstract)
American Society of Ophthalmic Plastic and Reconstructive Surgery Spring Scientific Symposium, Ojai, CA
- 2016 Endoscopic approach to orbital surgery/ Invited Speaker
American Academy of Ophthalmology Annual Meeting, Ophthalmic Plastic Surgery Sub-Specialty Day, Chicago, IL
- 2016 Oculoplastics Café/ Invited panelist
American Academy of Ophthalmology Annual Meeting, Chicago, IL
- 2017 Oculoplastics Imaging/ Symposium speaker and panelist
American Academy of Pediatric Ophthalmology and Strabismus Annual Meeting, Nashville, TN
- 2017 Introduction to molecularly targeted agents/Invited Symposium Speaker
American Academy of Ophthalmology Annual Meeting, New Orleans, LA
- 2017 Oculoplastics Café/ Invited Panelist
American Academy of Ophthalmology Annual Meeting, New Orleans, LA
- 2018 Oculoplastics Update/ Visiting Professor
Department of Ophthalmology, SUNY- Downstate, Brooklyn, NY
- 2018 Visual Field Defects in Thyroid Eye Disease/ Visiting Professor
Department of Ophthalmology, SUNY- Downstate, Brooklyn, NY
- 2018 A nomenclature for visual field defects in thyroid eye disease compressive optic neuropathy/ Plenary talk (abstract)
American Society of Ophthalmic Plastic and Reconstructive Surgery Spring Scientific Symposium, Austin, TX

International

- 2012 Ptosis and Upper Eyelid Abnormalities/ Invited Speaker
St John Eye Hospital, Jeruslaem, Israel
- 2012 Enucleation and Evisceration/ Invited Speaker
St John Eye Hospital, Jerusalem, Israel
- 2012 Entropion and Ectropion/ Invited Speaker
St John Eye Hospital, Jeruslaem, Israel
- 2012 Patterns of Orbital Involvement in IgG4-related disease/ Plenary talk (abstract)
3rd Orbital Society Symposium, Buenos Aires, Argentina
- 2013 Evaluation of epiphora in the facial nerve paralysis patient/ Plenary talk (abstract)
International Facial Nerve Symposium, Boston, MA
- 2013 A 12-year old boy with sudden unilateral visual loss/ Plenary talk (abstract)
Aegean Retina XIII. Santorini, Greece
- 2013 Systemic medications and Oculoplastics/ Invited Speaker
Pan American Academy of Ophthalmology Annual Meeting, Rio de Janeiro, Brazil
- 2013 Transcutaneous orbital access to intraconal and extraconal lesions/ Invited Speaker
Pan American Academy of Ophthalmology Annual Meeting, Rio de Janeiro, Brazil
- 2013 Microdebrider use in orbital surgery/ Plenary talk (abstract)
European Society of Ophthalmic Plastic and Reconstructive Surgery Annual Meeting, Barcelona, Spain
- 2014 Pediatric Nasolacrimal Obstruction: Endoscopic DCR/ Invited Speaker

- World Ophthalmology Congress, Tokyo, Japan
2014 Congenital Ptosis: Mullers Muscle Resection/ Invited Speaker
World Ophthalmology Congress, Tokyo, Japan
2014 Management of Canalicular Obstruction/ Invited Speaker
Pan American Academy of Ophthalmology Regional Course, Punta del Este, Uruguay
2014 Transnasal endoscopic orbital apex surgery/ Invited Speaker
Pan American Academy of Ophthalmology Regional Course, Punta del Este, Uruguay
2014 A retrospective review of bisphosphonate-induced orbital inflammation/ Plenary talk
(abstract)
European Society of Ophthalmic Plastic and Reconstructive Surgery Annual Meeting,
Budapest, Hungary
2014 Statin induced ptosis/ Plenary talk (abstract)
Pan American Oculoplastics Society Course, Cancun, Mexico
2014 Bisphosphonate-induced orbital inflammation/ Plenary talk (abstract)
Pan American Oculoplastics Society Course, Cancun, Mexico
2015 Oculoplastics Update/ Invited Speaker
St John Eye Hospital, Jerusalem, Israel
2015 Minimally invasive orbital surgery/ Invited Speaker
Singapore National Eye Center Ophthalmic Plastic and Reconstructive Surgery
Symposium, Singapore
2015 Lower lid blepharoplasty: When fat is not phat/ Invited Speaker
European Society of Ophthalmology Annual Meeting, Vienna, Austria
2015 Customizing Orbital Decompressions/ Invited Speaker
Pan American Academy of Ophthalmology Annual Meeting, Bogota, Colombia
2016 Blepharoptosis/ Invited Speaker
Mbarara University of Science and Technology, Mbarara, Uganda
2016 Periocular Trauma/ Invited Speaker
Mbarara University of Science and Technology, Mbarara, Uganda
2016 Soft tissue suture course and lab/ Course instructor
Mbarara University of Science and Technology, Mbarara, Uganda
2016 Patterns of visual field changes in thyroid eye disease related compressive optic
neuropathy/ Plenary talk (abstract)
British Oculoplastic Surgery Society Annual Scientific Meeting, Glasgow, Scotland
2016 Patterns of visual field changes in thyroid eye disease compressive optic neuropathy/
Plenary talk (abstract)
International Thyroid Eye Disease Society Symposium, London, England
2016 Seamless simultaneous surgery for upper and lower eyelid retraction in thyroid eye
disease/ Plenary talk (abstract)
International Thyroid Eye Disease Society Symposium, London, England
2016 A novel murine model of orbital inflammation/ Plenary talk (Abstract)
European Society of Ophthalmic Plastic and Reconstructive Surgery, Athens, Greece
2016 Minimally invasive orbital apex surgery/ Invited Speaker
14th Harbin International Academic Seminar on Ophthalmology, Harbin, China
2016 Minimally invasive orbital apex surgery/ Invited Speaker
Shanghai Eye Ear Nose and Throat Hospital, Shanghai, China
2016 Congenital lacrimal obstruction/ Invited Speaker
Mbarara University of Science and Technology, Mbarara, Uganda
2016 Acquired lacrimal obstruction/ Invited Speaker

- 2016 Mbarara University of Science and Technology, Mbarara, Uganda
Soft tissue suture course and lab/ Course instructor
Mbarara University of Science and Technology, Mbarara, Uganda
- 2017 Minimally invasive orbital apex surgery/ Invited Speaker
Guatemala 15th National Congress of Ophthalmology, Guatemala City, Guatemala
- 2017 Innovations in thyroid orbitopathy management: Diagnosis (Visual field patterns)/ Invited Speaker
Guatemala 15th National Congress of Ophthalmology, Guatemala City, Guatemala
- 2017 Decompression surgery in thyroid orbitopathy/ Invited Speaker
Guatemala 15th National Congress of Ophthalmology, Guatemala City, Guatemala
- 2017 Surgical management of lower lid retraction in thyroid disease/ Invited Speaker
Guatemala 15th National Congress of Ophthalmology, Guatemala City, Guatemala
- 2017 Cosmetic botulinum toxin workshop/ Invited course instructor with live patient injections
Guatemala 15th National Congress of Ophthalmology, Guatemala City, Guatemala
- 2017 Conjunctival incision-sparing repair of lower lid entropion in ocular cicatricial pemphigoid/ Plenary talk (Abstract)
European Society of Ophthalmic Plastic and Reconstructive Surgery, Stockholm, Sweden
- 2018 Minimally invasive orbital apex surgery/ Invited Speaker
4th Qatari International Ophthalmology Conference, Doha, Qatar
- 2018 A novel mouse model of orbital inflammation/ Invited Speaker
4th Qatari International Ophthalmology Conference, Doha, Qatar
- 2018 Seamless repair of upper and lower eyelid retraction/ Invited Speaker
4th Qatari International Ophthalmology Conference, Doha, Qatar
- 2018 A nomenclature to describe the longitudinal sequence of visual field defects in progressive thyroid eye disease compressive optic neuropathy/ Plenary talk (Abstract)
British Oculoplastic Surgery Society Annual Scientific Meeting, Dublin, Ireland
- 2018 The Rivers Study data/ Update on Thyroid Eye Disease Symposium Panelist
World Ophthalmology Congress, Barcelona, Spain
- 2018 A nomenclature to describe the longitudinal sequence of visual field defects in progressive thyroid eye disease compressive optic neuropathy/ Update on Thyroid Eye Disease Symposium Panelist
World Ophthalmology Congress, Barcelona, Spain
- 2018 Intravenous versus oral steroid for thyroid eye disease/ Update on Thyroid Eye Disease Symposium Panelist
World Ophthalmology Congress, Barcelona, Spain
- 2018 Eyelid surgery in thyroid eye disease/ Update on Thyroid Eye Disease Symposium Panelist
World Ophthalmology Congress, Barcelona, Spain

Report of Clinical Activities and Innovations

Current Licensure and Certification

1999- Massachusetts Medical License

Practice Activities

2002-	Ophthalmic Plastic Surgery	VA Medical Center, Jamaica	1 day per week
2011	Clinical and surgical	Plain, MA	

2008-	Ophthalmic Plastic Surgery Clinical and surgical	Northeast Surgery Center, Wellesley Hills, MA	1 day per week
2011-	Ophthalmic Plastic Surgery Clinical and surgical	Massachusetts Eye and Ear Infirmery, Boston, MA	4 days per week

Clinical Innovations

Minimally invasive orbital surgery collaboration, MEEI My collaboration with ENT specialists has resulted in the development of new techniques in minimally invasive and endoscopic orbital surgery at MEEI. A number of publications have arisen from this work, I have presented at international meetings, and we have begun writing a textbook on the topic.

Multidisciplinary thyroid eye disease collaboration, MEEI and MGH I have worked to organize streamlined multidisciplinary care for patients with thyroid eye disease which involves endocrinologists at MGH, thyroid and rhinologic surgeons at MEEI, and ophthalmologists at MEEI including orbit and strabismus surgeons. We host patient support groups at MEEI, and a regional patient educational meeting for the Thyroid and Graves Disease Foundation. We have developed and published on novel surgical techniques and are in the process of formally creating a Thyroid Eye Disease Center at MEEI to expand our presence.

Report of Education of Patients and Service to the Community

Activities

No activities below were sponsored by outside entities.

1995-1998	Wills Eye Hospital Free Vision Screenings/ Ophthalmologist Participated in vision and glaucoma screenings in community centers in Philadelphia
1996-1998	Wills Eye Hospital Eagles Eye Mobile/ Ophthalmologist Participated in vision screening and making glasses for underserved children
1996-1998	Will Eye Hospital and Philadelphia Eagles/ Ophthalmologist Participated in vision screening of Eagles training camp
1999	Free Rural Eye Clinic (FREC) Pangasinan, Philippines/ Ophthalmologist Performed cataract and eyelid surgery for 2 weeks
2010	American Foundation for the Blind/ Invited Speaker Focus on Vision Impairment and Blindness Conference, Norwood, MA
2011-	Massachusetts Eye and Ear Infirmery/ Organizer Bimonthly multi-disciplinary thyroid patient support group
2012	Thyroid Disease patient support group/ Lecturer Gave lecture to support group participants on Thyroid Eye Disease
2012	Schwartz Compassionate Care Rounds at MEEI/ Speaker 1 hour discussion with panel about "Delivering Bad Diagnoses"
2012	St John Eye Hospital, Jerusalem Israel/volunteer surgeon, surgical instructor, lecturer (1 week)
2104	Graves' Disease and Thyroid Foundation regional patient education symposium/ Symposium Director and Lecturer
2015	St John Eye Hospital, Jerusalem Israel/volunteer surgeon, surgical instructor, lecturer (1 week)
2016	Mbarara University of Science and Technology and Ruharo Eye Hospital, Mbarara, Uganda/ volunteer surgeon, surgical instructor, lecturer, suture course instructor (1

2016	week) Mbarara University of Science and Technology and Ruharo Eye Hospital, Mbarara, Uganda/ volunteer surgeon, surgical instructor, lecturer, suture course instructor (1 week) [This is not a repeat error. Travel in both May and November, 2016.]
2017	Graves' Disease and Thyroid Foundation regional patient forum/ Lecturer Clinical Trials in Thyroid Eye Disease: Deciphering the Data, Boston, MA

Educational Material for Patients and the Lay Community

Books, monographs, articles and presentations in other media

Educational material or curricula developed for non-professional students

Patient educational material

2005	Enucleation and Evisceration	Author	Patient education pamphlet, American Society of Ophthalmic Plastic and Reconstructive Surgery
2006	Blepharospasm and Hemifacial Spasm	Author	Patient education pamphlet, American Society of Ophthalmic Plastic and Reconstructive Surgery
2016	The Massachusetts Eye and Ear Infirmary Patient Guide to Ophthalmic Plastic Surgery: A Photographic Atlas	Co-Author	Patient education textbook

Report of Scholarship

Publications

Peer reviewed publications in print or other media

Research Investigations

1. Lorber BA, **Freitag SK**, Bartolome JV. Effects of Beta-endorphin on DNA synthesis in brain regions of preweanling rats. Brain Research 1990; 531: 329-332.
2. Dunn ES, Jaeger EA, Jeffers JB, **Freitag SK**. The epidemiology of ruptured globes. Ann Ophthalmol 1992; 24: 405-410.
3. **Freitag SK**, Eagle RC, Jaeger EA, Jeffers JB. An epidemiologic and pathologic study of globes enucleated following trauma. Ophthal Surg 1992; 23: 409-413.
4. Rudd JC, Jaeger EA, **Freitag SK**, Jeffers JB. Traumatically ruptured globes in children. J Ped Ophthalmol Strab 1994; 31: 307-311.
5. Beck SR, **Freitag SK**. Ocular Injuries in Battered Women. Ophthalmol 1996; 103:148-151.
6. **Freitag SK**, Woog JJ, Kousoubris PD, Curtin HD. Helical computed tomographic dacryocystography with three-dimensional reconstruction: A new view of the lacrimal drainage system. Ophthal Plast Reconstr Surg 2002; 18: 121-132.
7. Vitale S, Miller NR, Mejico LJ, Perry JD, Medura M, **Freitag SK**, Girkin C. A randomized, placebo-

- controlled, crossover clinical trial of super blue-green algae in patients with essential blepharospasm or Meige syndrome. *Am J Ophthalmol* 2004; 138: 18-32.
8. Lagler CN, **Freitag SK**. Management of Periocular Actinic Keratosis: A Review of Practice Patterns Among Ophthalmic Plastic Surgeons. *Ophthal Plast Reconstr Surg* 2012; 28:277-281.
 9. Ginat DT, **Freitag SK**, Kieff D, Grove A, Fay A, Cunnane M, Moonis G. Radiographic patterns of orbital involvement in IgG4-related disease. *Ophthal Plast Reconstr Surg*. 2013;29:261-6.
 10. Shah M, Lee G, Lefebvre DR, Kronberg B, Loomis S, Brauner SC, Turalba A, Rhee DJ, **Freitag SK**, Pasquale LR. A cross-sectional survey of the association between bilateral topical prostaglandin analogue use and ocular adnexal features. *PLoS One*. 2013;8(5):e61638.
 11. **Freitag SK**, Lee H, Lee NG, Johnstone MA, Sires BS. A retrospective review of eyelash number in patients who have undergone full thickness eyelid resection. *Ophthal Plast Reconstr Surg*. 2014;30:1-6.
 12. Bleier B, Lefebvre DR, **Freitag SK**. Endoscopic orbital floor decompression with preservation of the inferomedial strut. *Int Forum Allergy Rhinol* 2014;4(1):82-4.
 13. Jakobiec FA, Werdich XQ, Chodosh J, **Freitag SK**. An analysis of conjunctival and periocular venous malformations: clinicopathological and immunohistochemical features with a comparison of racemose and cirroid lesions. *Surv Ophthalmol* 2014;59(2):236-44.
 14. Rabinovich A, Allard FD, **Freitag SK**. Lower eyelid involucional entropion repair with lateral tarsal strip and infraciliary rotation sutures: Surgical technique and outcomes. *Orbit* 2014;33(3):184-8.
 15. **Freitag SK**, Yoon MK, Callahan AB, Lee NG, Lefebvre DR. Microdebrider use in orbital surgery. *Orbit* 2014;33(3):189-92.
 16. Ghafouri RH, Allard FD, Migliori ME, **Freitag SK**. Lower eyelid involucional ectropion repair with lateral tarsal strip and internal retractor reattachment with full-thickness eyelid sutures. *Ophthal Plast Reconstr Surg* 2014;30(5):424-6.
 17. Chhabra N, Healy DY, **Freitag SK**, Bleier BS. The nasoseptal flap for reconstruction of the medial and inferior orbit. *Int Forum Allergy Rhinol* 2014;4(9):763-6.
 18. Teo L, Lagler CP, Mannor G, Glass LD, **Freitag SK**. Mullers muscle conjunctival resection for treatment of contact lens-induced ptosis. *Ophthal Plast Reconstr Surg*. 2016;32(4):257-60.
 19. Trief D, Gray ST, Jakobiec FA, Durand ML, Fay A, **Freitag SK**, Lee NG, Lefebvre DR, Holbrook E, Bleier B, Sadow P, Rashid A, Chhabra N, Yoon MK. Invasive fungal disease of the sinus and orbit: A comparison between mucormycosis and aspergillus. *Br J Ophthalmol*. 2016;100(2):184-8.
 20. Choi CJ, Bauza A, Yoon MK, Sobel RK, **Freitag SK**. Full-thickness skin graft as an independent or adjunctive technique for repair of cicatricial lower eyelid ectropion secondary to actinic skin changes. *Ophthal Plast Reconstr Surg*. 2015;31(6):474-7.
 21. Lefebvre DR, Dhar S, Lee I, Allard F, **Freitag SK**. External dacryocystorhinostomy outcomes in patients with a history of dacryocystitis. *Digit J Ophthalmol*. 2015;21(3):1-22.
 22. Lee NG, Lin L, Mehta S, **Freitag SK**. Response to phenylephrine testing in upper eyelids with ptosis. *Digit J Ophthalmol*. 2015;21(3):1-12.
 23. Lin GC, **Freitag SK**, Kocharyan A, Yoon MK, Lefebvre DR, Bleier BS. Comparative techniques of medial rectus muscle retraction for endoscopic exposure of the medial intraconal space. *Am J Rhinol Allergy*. 2016;30(3):226-9.
 24. Nagendran ST, Lee NG, Fay A, Lefebvre DR, Sutula FC, **Freitag SK**. Orbital exenteration: The 10-year Massachusetts Eye and Ear Infirmary experience. *Orbit*. 2016 Aug;35(4):199-206.
 25. Wong LL, Lee NG, Amarnani D, Choi CJ, Bielenberg DR, **Freitag SK**, D'Amore PA, Kim LA. Orbital Angiogenesis and Lymphangiogenesis in Thyroid Eye Disease: An Analysis of Vascular Growth Factors with Clinical Correlation. *Ophthalmology*. 2016;123(9):2028-36.
 26. Finn AP, Bleier B, Cestari DM, Kazlas MA, Dagi LR, Lefebvre DR, Yoon MK, **Freitag SK**. A Retrospective Review of Orbital Decompression for Thyroid Orbitopathy with Endoscopic Preservation of the Inferomedial Orbital Bone Strut. *Ophthal Plast Reconstr Surg*. 2016 Sep 6. [Epub ahead of print]

27. Miyake MM, Gregorio LL, **Freitag SK**, Lefebvre DR, Gray ST, Holbrook EH, Bleier BS. Impact of endoscopic dacryocystorhinostomy on sinonasal quality of life. *Am J Rhinol Allergy*. 2016;30(5):189-91.
28. Carniciu AL, Chou J, Leskov I, **Freitag SK**. Clinical Presentation and Bacteriology of Eyebrow Infections: The Massachusetts Eye and Ear Infirmary Experience (2008-2015). *Ophthal Plast Reconstr Surg*. 2016 Oct 5. [Epub ahead of print]
29. Homer N, Jakobiec FA, Stagner A, Cunnane ME, **Freitag SK**, Fay A, Yoon MK. Periocular breast carcinoma metastases: correlation of clinical, radiologic and histopathologic features. *Clin Exp Ophthalmol* 2017 Feb 9 [Epub ahead of print]
30. Choi CJ, Oropesa S, Callahan AB, Glass LR, Teo L, Cestari DM, Kazim M, **Freitag SK**. Patterns of visual field changes in thyroid eye disease. *Orbit* 2017 Apr 28 [Epub ahead of print]
31. Mouw KW, Yeap BY, Caruso P, Fay A, Misra M, Sethi RV, MacDonald SM, Chen YL, Tarbell NJ, Yock TI, **Freitag SK**, Munzenrider JE, Grabowski E, Katz M, Kuhlthau K, DeCastro D, Heidary G, Ciralsky J, Mukai S, Shih HA. Analysis of patient outcomes following proton radiation therapy for retinoblastoma. *Adv Radiat Oncol* 2017;2(1):44-52.
32. Mueller SK, **Freitag SK**, Bleier BS. Morphometric analysis of the orbital process of the palatine bone and its relationship to endoscopic orbital apex surgery. *Ophthal Plast Reconstr Surg* 2017 Jun 19 [Epub ahead of print]

Other peer-reviewed publications

1. **Freitag SK**, Eagle RC, Shields JA, Font RL, Duker JS. Melanogenic neuroectodermal tumor of the retina (Primary malignant melanoma of the retina) *Ophthalmol* 1997; 115: 1581-1584.
2. **Freitag SK**, Miller NR. Visual loss in a 42-year old man. *Surv Ophthalmol* 2000; 44: 507-512.
3. **Freitag SK**, Miller NR. Recurrent ectropic craniopharyngioma. *Br J Neurosurg* 2001; 15: 511-513.
4. Latz C, Huang Q, Kapadia MK, **Freitag SK**. Metastasis to Eyelid as Initial Presentation of Non-Small Cell Carcinoma. *Ophthal Plast Reconstr Surg* 2009; 25: 406-408.
5. Cavicchio A, **Freitag SK**, Rabinovich A, Laver N. Eyelid Abscess Arising from an Epidermal Inclusion Cyst. *Ophthalmic Surg Lasers Imaging* 2010; 41 online: 1-3.
6. Ghafouri R, Lee I, **Freitag SK**, Pira TN. Bilateral Orbital Bone Infarction in Sickle-Cell Disease. *Ophthal Plast Reconstr Surg* 2011; 27: e26-27.
7. Geller E, **Freitag SK**, Laver NV. Localized Nasopharyngeal Amyloidosis Causing Bilateral Nasolacrimal Duct Obstruction. *Ophthal Plast Reconstr Surg* 2011; 27: e64-67.
8. Gologorsky D, Jakobiec FA, **Freitag SK**. Transconjunctival elimination of keratin from an intratarsal meibomian cyst. *Ophthal Plast Reconstr Surg*. 2013;29:e88-91.
9. Papakostas TD, Lee NG, Lefebvre DR, Barshak MB, **Freitag SK**. Endogenous panophthalmitis with orbital cellulitis secondary to *Escherichia coli*. *Clin Experiment Ophthalmol*. 2013;41:716-8.
10. Patel MM, Lefebvre DR, Lee NG, Brachtel E, Rizzo J, **Freitag SK**. Gaze-evoked amaurosis from orbital breast carcinoma metastasis. *Ophthalmol Plast Reconstr Surg*. 2013;29:e98-101.
11. Allard FD, Yee EU, **Freitag SK**. Dacryocystitis secondary to intranasal cocaine abuse: A case report and literature review. *Orbit* 2013;32(6):405-8.
12. Gonzalez-Saldivar G, Lee NG, Chodosh J, **Freitag SK**, Stacy RC. Dacryops in the setting of a Boston Type II keratoprosthesis. *Ophthal Plast Reconstr Surg* 2013;30(3):e73-5.
13. Healy D, Lee NG, **Freitag SK**, Bleier B. Endoscopic bimanual approach to an intraconal cavernous hemangioma of the orbital apex with vascularized flap reconstruction. *Ophthal Plast Reconstr Surg* 2014;30(4):e104-6.
14. Rashid A, Lee NG, Jakobiec FA, **Freitag SK**. Epstein-Barr virus-positive polymorphous lymphoplasmacytic infiltrate of the lacrimal glands in a patient with acute lymphoblastic leukemia. *JAMA Ophthalmol* 2104;132(7):892-4.

15. Talcott KE, Lee NG, **Freitag SK**. Vascular engorgement of lacrimal gland associated with port-wine stain. *Ophthal Plast Reconstr Surg*. 2014 Sep 5. [Epub ahead of print]
16. Papakostas TD, Lee NG, Callahan AB, **Freitag SK**. Reactivation of thyroid associated orbitopathy following trauma with intraorbital foreign body. *Orbit* 2015; 34(1):6-9.
17. Ginat DT, **Freitag SK**. Traumatic globe rupture and herniation into the maxillary sinus. *Ophthal Plast Reconstr Surg* 2014;30(6):e168.
18. Bleier BS, Healy DY, Chhabra N, **Freitag SK**. Compartmental endoscopic surgical anatomy of the medial intraconal orbital space. *Int Forum Allergy Rhinol* 2014;4(7):587-91.
19. Ginat DT, **Freitag SK**. Orbital emphysema complicating Jones tube placement in a patient treated with continuous positive airway pressure. *Ophthal Plast Reconstr Surg* 2014;31(1):e25.
20. Lefebvre DR, Mandeville JT, Yonekawa Y, Arroyo JG, Torun N, **Freitag SK**. A case series and review of bisphosphonate-associated orbital inflammation. *Ocul Immunol Inflamm* 2014 Aug 15:1-6.
21. Olson KR, **Freitag SK**, Johnson JM, Branda JA. Case records of the Massachusetts General Hospital. Case 36-2014. An 18-year-old woman with fever, pharyngitis, and double vision. *N Engl J Med*. 2014 Nov 20;371(21):2018-27.
22. **Freitag SK**, Cunnane ME, Yoon MK, Barnes JA, Winkfield KM, Sohani AR. Case records of the Massachusetts General Hospital. Case 18-2015. A 41-year-old woman with decreased vision in the left eye and diplopia. *N Engl J Med* 2015 Jun 11;372(24):2337-45.
23. Jakobiec FA, Callahan AB, Stagner AM, Lee NG, Rashid A, Mendoza P, Grove A, **Freitag SK**. Malignant rhabdoid transformation of a longstanding, aggressive, and recurrent orbital angiomyxoma. *Surv Ophthalmol* 2015;60(2):166-176.
24. Jakobiec FA, Stagner AM, **Freitag SK**, Yoon MK. Unusual eyelid dermal keratinous cysts of pilosebaceous origin. *Ophthal Plast Reconstr Surg* 2016;32(2):93-7.
25. Papavasileiou E, Prasad S, **Freitag SK**, Sobrin L, Lobo AM. Ipilimumab-induced ocular and orbital inflammation – A case series and review of the literature. *Ocul Immunol Inflamm*. 2016;24(2):140-6.
26. Jakobiec FA, Stagner AM, Sutula FC, **Freitag SK**, Yoon MK. Pigmentation of the lacrimal sac epithelium. *Ophthal Plast Reconstr Surg*. 2016;32(6):415-423.
27. Stagner A, Jakobiec FA, **Freitag SK**. Primary cutaneous marginal zone B cell lymphoma of the eyelid skin: Diagnostic clues and distinction from other ocular adnexal disease. *Surv Ophthalmol*. 2016;61(3):333-8.
28. Patel AV, Miller JB, Nath R, Shih HA, Yoon MK, **Freitag SK**, Papaliodis G, Chen TC, Elliott D, Kim IK. Unilateral eye findings: A rare herald of acute leukemia. *Ocul Oncol Pathol* 2016;2:166-70.
29. Choi CJ, Stagner AM, **Freitag SK**, Jakobiec FA, Lee NG. Atypical location of primary orbital conjunctival epithelial cysts: a case series. *Clin Exp Ophthalmol*. 2016;44(6):524-6.
30. Ginat DT, Glass LR, Yanoga F, Lee NG, **Freitag SK**. Lacrimal gland abscess presenting with preseptal cellulitis depicted on CT. *J Ophthalmic Inflamm Infect*. 2016;6(1):1.
31. Dagi Glass LR, **Freitag SK**. Orbital inflammation: Corticosteroids first. *Surv Ophthalmol*. 2016;61(5):670-3.
32. Patel A, Modjtahedi BS, **Freitag SK**, Sobrin L, Kazlas MA. Idiopathic Orbital Inflammation Presenting with Bilateral Panuveitis. *J Pediatr Ophthalmol Strabismus*. 2016;53 Online:e18-21.
33. Jiménez-Pérez JC, Chou J, **Freitag SK**. Chocolate Cyst After an Orbital Floor Fracture Repair. *Ophthal Plast Reconstr Surg*. 2016 May 23.
34. Patel AV, Miller JB, Nath R, Shih HA, Yoon MK, **Freitag SK**, Papaliodis G, Chen TC, Elliott D, Kim IK. Unilateral Eye Findings: A Rare Herald of Acute Leukemia. *Ocul Oncol Pathol*. 2016;2(3):166-70.
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36. Kaliki S, **Freitag SK**, Chodosh J. Nodulo-Ulcerative Ocular Surface Squamous Neoplasia in 6 Patients: A Rare Presentation. *Cornea*. 2016 Oct 5. [Epub ahead of print]
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38. Homer N, **Freitag SK**. Facial Pyoderma Gangrenosum Presenting With Cranial Nerve VII Palsy and Cicatricial Ectropion. *Ophthal Plast Reconstr Surg*. 2016 Nov 23. [Epub ahead of print]
39. Dagi Glass LR, Lawrence DP, Jakobiec FA, **Freitag SK**. Conjunctival Melanoma Responsive to Combined Systemic BRAF/MEK Inhibitors. *Ophthal Plast Reconstr Surg*. 2016 Nov 23. [Epub ahead of print]
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42. Choi CJ Jakobiec FA, Zakka FR, Foster CS, Chodosh J, **Freitag SK**. Ophthalmol Plast Resonstr Surg 2015 May 15 [Epub ahead of print]

[Non-peer reviewed scientific or medical publications/materials in print or other media](#)

Reviews, Chapters, Monographs and Editorials

1. **Freitag SK**, Sergott RC. Color Doppler Imaging in Ophthalmology. In: *Foundations of Clinical Ophthalmology*. Editors, Tasman W, Jaeger EA. Philadelphia, Lippincott-Raven, 2000.
2. **Freitag SK**, Woog JJ. Congenital nasolacrimal obstruction. *Ophthalmol Clin North America*. 2000;13:705-718.
3. **Freitag SK**, Woog JJ. Evaluation and management of congenital dacryostenosis. In: *Manual of Endoscopic Lacrimal and Orbital Surgery*. Editor, Woog JJ. Chapter 4. Philadelphia, Butterworth Heinemann, 2003.
4. **Freitag SK**, Oculoplastics Pearls. In: *Ophthalmology Pearls*. Editor, Gault J. Sections 4,25,26,27,35,48,59,62. Philadelphia, Hanley and Belfus, Inc. 2002.
5. Kapadia MK, **Freitag SK**, Woog JJ. Evaluation and management of congenital nasolacrimal duct obstruction. *Otolaryngol Clin North America*. 2006;39:959-977.
6. Kapadia MK, **Freitag SK**, Sergott RC, Hedges T. Color Doppler Imaging in Ophthalmology. In: *Foundations of Clinical Ophthalmology*. Editors, Tasman W, Jaeger EA. Philadelphia, Lippincott-Raven, 2007.
7. Lefebvre DR, **Freitag SK**. Update on imaging of the lacrimal drainage system. *Semin Ophthalmol*. 2012;27:175-86.
8. Lee NG, Callahan AB, Migliori ME, **Freitag SK**. Minimally invasive approaches to eyebrow lifting. *Int Ophthalmol Clin*. 2013;53:47-57.
9. **Freitag SK**, Lee NG. Eyelid malposition: Ectropion and entropion. In: *Facial Surgery: Plastic and Reconstructive*, 2nd edition. Editors: Cheney M, Hadlock T. Boca Raton, FL: CRC Press, 2015.
10. Lee NG, Kim LA, **Freitag SK**. The role of genetics in the pathogenesis of periocular cutaneous neoplasms: Implications for targeted therapy. *Semin Ophthalmol*. 2013;28:267-74.
11. Glass LR, **Freitag SK**. Management of orbital IgG4-related disease. *Curr Opin Ophthalmol*. 2015;26(6):491-7
12. Campbell AA, Grob SR, **Freitag SK**. Controversies in sentinel lymph node biopsy for ocular neoplasms. *Int Ophthalmol Clin*. 2015 Fall;55(4):73-9.
13. Dagi Glass L, Sullivan R, **Freitag SK**. New Translational Research in the Medical Management of Orbital Melanoma. *Semin Ophthalmol*. 2016;31(1-2):53-8.

14. Dagi Glass LR, **Freitag SK**. Reply re: Dr. Kubota's Letter to the Editor, "Corticosteroids or biopsy for idiopathic orbital inflammation". *Surv Ophthalmol*. 2016 Oct 28. [Epub ahead of print]
15. Ginat DT, Moonis G, **Freitag SK**. Imaging the Postoperative Orbit. In: *Atlas of Postsurgical Neuroradiology: Imaging of the Brain, Spine, Head and Neck*. Editors, Ginat DT, Westesson PLA. Springer, 2017.
16. Glass LRD, Grob S, **Freitag SK**. General approach and algorithm for managing emergent neoplasm of the orbit and adnexa. In: *Emergencies of the orbit and Adnexa*. Eds, Mukherjee B, Yuen H. Chapter 41. Springer, 2017.
17. Grob S, Glass LRD, **Freitag SK**. Primary orbital malignancies. In: *Emergencies of the orbit and Adnexa*. Eds, Mukherjee B, Yuen H. Chapter 42. Springer, 2017.
18. Yuen H, Glass LRD, **Freitag SK**. Secondary and metastatic tumors of the orbit. In: *Emergencies of the orbit and Adnexa*. Eds, Mukherjee B, Yuen H. Chapter 43. Springer, 2017.

Books/ Textbooks for the medical or scientific community

Ginat DT, **Freitag SK**. Eds. (2014) *Post-treatment Imaging of the Orbit*. Springer.

Professional educational materials or reports, in print or other media

1. Dissection Manual, Annual Resident's Orbital Dissection Course, Boston University and Tufts
2. Lacrimal Anatomy, Pathology, Diagnosis and Surgery. CD-based educational module for ORBIS International.
This module will be used on ORBIS missions internationally to educate local eye surgeons.
3. Benign eyelid neoplasia. Freitag SK and Lee NG. American Academy of Ophthalmology Oculofacial Plastic Surgery Center. www.aao.org/oculoplastics-center. On-line in-depth topic review.
4. Dermoid cysts. Glass LRD, Freitag SK. American Academy of Ophthalmology Oculofacial Plastic Surgery Center. www.aao.org/oculoplastics-center. On-line in-depth topic review.
5. Trichiasis. Freitag SK. American Academy of Ophthalmology Oculofacial Plastic Surgery Center. www.aao.org/oculoplastics-center. On-line in-depth topic review.
6. MedOne Ophthalmology. Advisory Board member. Thieme's on-line ophthalmology education site.

Clinical Guidelines and Reports

1. Massachusetts Eye and Ear Infirmary Emergency Department Guidelines for Ophthalmic Plastic Surgery. Used to guide management of emergencies with regard to urgency and chain of command for clinical and surgical care.

Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings

1. **Freitag SK**, Eagle RC, Jaeger EA, Dunn ES, Jeffers JB. An Epidemiologic and Pathologic Study of Globes Enucleated Following Trauma. Sigma Xi Student Research Day. Thomas Jefferson University. Philadelphia, PA. April 29, 1992. **Winner:** William Potter Wear Prize for Medical Research.
2. Pham-Lagler C, **Freitag SK**. Mullers muscle-conjunctival resection for treatment of contact lens-induced ptosis. American Society of Ophthalmic Plastic and Reconstructive Surgery Fall Meeting. Orlando, FL. October 21, 2011.
3. Lee G, Lefebvre DR, Baril S, **Freitag SK**. Community Acquired Methicillin-Resistant Staph

aureus periorbital abscesses are transmissible between members of the same household.

Association for Research in Vision and Ophthalmology annual meeting. Ft. Lauderdale, FL. May 7, 2012.

4. Lefebvre DR, Chandra R, Haddadin R, Ogilvy C, **Freitag SK**. Anterior orbital vascular malformation mimicking a carotid-cavernous sinus fistula. American Society of Ophthalmic Plastic and Reconstructive Surgery Spring Meeting. Tucson, AZ. May 19, 2012.
5. Lee NG, Lefebvre DR, Papakostas T, **Freitag SK**. Subclinical endogenous endophthalmitis with secondary orbital cellulitis masquerading as mucormycosis. Orbital Society Meeting, Buenos Aires, Argentina. September 14, 2012.
6. Ginat DT, **Freitag SK**, Cunnane ME, Moonis G. Imaging Evaluation of Orbital Reconstruction with a Clinical Perspective. Radiological Society of North America annual meeting. Chicago, IL. November 25, 2012. **Recognition:** Certificate of Merit
7. Lee NG, Bleier B, **Freitag SK**. Preservation of the inferomedial strut in endoscopic orbital decompression for thyroid orbitopathy reduces the rate of postoperative diplopia. Association for Research in Vision and Ophthalmology annual meeting. Seattle, WA. May 5, 2013.
8. Lee NG, Callahan AB, **Freitag SK**. Reactivation of thyroid orbitopathy following orbital trauma and surgery. International Thyroid Eye Disease Society Symposium. Vancouver, Canada. June 28, 2013.
9. Lee NG, Callahan AB, **Freitag SK**. Reactivation of thyroid orbitopathy following orbital trauma and surgery. Women in Ophthalmology Summer Symposium. Snowmass, CO. August 2, 2013.
10. **Freitag SK**, Bleier B, Lee NG, Healy D. Endoscopic bimanual approach to an intraconal hemangioma of the orbital apex with vascularized flap reconstruction. North American Neuro-ophthalmology Society Annual Meeting. Puerto Rico. March 4, 2014.
11. **Freitag SK**, Lefebvre DR, Mandeville J, Arroyo J, Torun N. A retrospective review of bisphosphonate-induced orbital inflammation. North American Neuro-ophthalmology Society Annual Meeting. Puerto Rico. March 4, 2014.
12. Palioura S, Chodosh J, Hart L, Capaccioli K, Ginat DT, **Freitag SK**. MRI, CT and UBM imaging after corneal and cataract surgery. Association for Research in Vision and Ophthalmology annual meeting. Orlando, FL. May 2014.
13. Campbell AA, DeCastro D, Lee NG, **Freitag SK**, Lefebvre DR. Management of canalicular lacerations: Epidemiological aspects and experience. Association for Research in Vision and Ophthalmology annual meeting. Orlando, FL. May 2014.
14. Lee NG, Wong L, D'Amore P, Amarnani D, **Freitag SK**, Kim LA. A novel animal model of orbital inflammation utilizing a delayed hypersensitivity reaction. Massachusetts Eye and Ear Annual Meeting. Boston, MA. June 2014.
15. Grob SR, Lee NG, Creighton F, Jakobiec FA, Emerick K, **Freitag SK**. Multispecialty approach to the management of sebaceous carcinoma of the eyelids. Association for Research in Vision and Ophthalmology annual meeting. Denver, CO. May 2015.
16. Lee NG, Wong LL, Amarnani D, **Freitag SK**, Bielenberg DR, D'Amore PA, Kim LA. A novel murine model of orbital inflammation. Association for Research in Vision and Ophthalmology annual meeting. Denver, CO. May 2015.
17. **Freitag SK**, Patel A, Cestari D, Lefebvre D, Yoon M, Bleier B, Kazlas M, Dagi L. A retrospective review of orbital decompression for thyroid orbitopathy with endoscopic preservation of the inferomedial orbital bone strut. European Society of Ophthalmic Plastic and Reconstructive Surgery annual meeting. Brussels, Belgium. September 2015.
18. Lee NG, Wong L, Amarnani D, **Freitag SK**, D'Amore PA, Kim LA. A novel murine model of orbital inflammation. American Academy of Ophthalmology Annual Meeting. Las Vegas, NV. November 2015.

19. Wong L, Lee NG, Amarnani D, D'Amore PA, **Freitag SK**, Kim LA, Choi CJ. Analysis of orbital vasculature in thyroid orbitopathy by immunohistochemistry. American Academy of Ophthalmology Annual Meeting. Las Vegas, NV. November 2015.
20. Carniciu A, Leskov I, Chou J, **Freitag SK**. Clinical presentation and bacteriology of eyebrow infections: the Massachusetts Eye and Ear experience (2008-2015). Association for Research in Vision and Ophthalmology annual meeting. Seattle, WA. May 2016.
21. Choi C, Oropesa S, Callahan A, Glass L, Teo L, Kazim M, **Freitag SK**. Patterns of visual field changes in thyroid eye disease. Association for Research in Vision and Ophthalmology annual meeting. Seattle, WA. May 2016.
22. **Freitag SK**, Lee NG, Wong LL, Amarnani D, Bielenberg DR, D'Amore PA, Kim LA. A novel murine model of orbital inflammation. British Oculoplastic Surgery Society Annual Meeting. Glasgow, Scotland. June 2016. **Winner: Annual Poster Prize 2016.**
23. Grob SR, Creighton F, Lee NG, Emerick K, **Freitag SK**. Lymphatic drainage patterns in sentinel lymph node biopsy for eyelid and conjunctival malignancies. American Academy of Ophthalmology Annual Meeting. New Orleans, LA. Nov 2017.
24. Starks V, Yoon M, **Freitag SK**, Lee NG. Acquired lacrimal system obliteration. American Academy of Ophthalmology Annual Meeting. New Orleans, LA. Nov 2017.
25. Starks V, Bispo P, Gillmore MS, Glass L, **Freitag SK**. Advancing the diagnostics of orbital and periorbital abscesses by a 16S metagenomics approach. American Academy of Ophthalmology Annual Meeting. New Orleans, LA. Nov 2017.

Narrative Report

I am an ophthalmologist with subspecialty training in ophthalmic plastic surgery and neuro-ophthalmology. I was recruited in 2011 from Boston University to direct the Ophthalmic Plastic Surgery Service at Massachusetts Eye and Ear Infirmary. The service at this time was in need of reorganization and so my initial goals focused on the creation of a harmonious and productive unit. I recruited 3 talented junior faculty members, restructured the programs for fellow and resident education, and created an environment that encourages academic achievement, collegiality and provision of excellent patient care.

In addition to my leadership role within my service, I have a significant leadership role as the Director of Network Development for the Department of Ophthalmology. I work closely with hospital and ophthalmology senior administration in the development of relationships with external health care provider systems and practices to create strategic alliances or purchase practices with the goal of expanding the reach of Mass Eye and Ear. My role involves direct discussion and site visits with potential new affiliates as well as committee work for strategic planning.

I have made education a priority of the Ophthalmic Plastic Surgery service. We train two fellows per year in addition to ophthalmology residents, medical students, and national and international observers. I direct an annual Soft Tissue Suture Course for junior ophthalmology residents from New England, and an Orbital Cadaver Dissection Course for MEEI residents and oculoplastics fellows from around the US. Additionally, I have created a bi-monthly multidisciplinary radiology conference at MEEI. This parallels my recent textbook publication titled "Post-treatment Imaging of the Orbit." I mentor trainees and have received resident teaching awards in 2006 and 2008, as well as a 2013 Mentorship Award from the American Medical Association Women Physicians Section.

I have stressed academic productivity on the Ophthalmic Plastic Surgery Service, with a result of full-time faculty members now publishing approximately 10-15 manuscripts per year. My recent academic work has focused on thyroid eye disease. I am co-principal investigator in laboratory projects including the immunohistochemical analysis of orbital fat specimens in patients with thyroid orbitopathy and the creation of a mouse model of orbital inflammation. We are exploring the roles of angiogenesis and lymphangiogenesis as etiologic factors in thyroid eye disease. Unraveling the mysteries of thyroid eye disease has been the goal of much research for years and our novel approach is showing early promise. Many anti-angiogenesis therapies for ocular disorders have been pioneered at MEEI/Schepens, and so we are well positioned to make translational advances.