

**Harvard Medical School
Curriculum Vitae**

Date Prepared: December 28, 2017
Name: Daniel R. Lefebvre, MD, FACS

Education

9/95 – 5/00	BS.	Biology	Boston University Boston, MA
8/01 – 5/05	MD	Medicine	SUNY Upstate Medical University, Syracuse, NY

Postdoctoral Training

6/05 – 6/06	Internship	General Surgery	Thomas Jefferson University Hospital, Philadelphia, PA
6/07 – 6/10	Residency	Ophthalmology	Nassau University Medical Center East Meadow, NY
7/10 – 4/11	Fellowship	Ophthalmic Plastic and Reconstructive Surgery (Suzanne K. Freitag MD, Michael E. Migliori, MD)	Boston University (BU) Boston, MA
4/11 – 7/12	Fellowship	Ophthalmic Plastic and Reconstructive Surgery (Suzanne K. Freitag MD, Michael E. Migliori, MD)	Massachusetts Eye and Ear (MEE) Boston, MA

Faculty Academic Appointments

7/10 – 4/11	Instructor	Ophthalmology	BU School of Medicine
9/12 – 7/15	Instructor	Ophthalmology	Harvard Medical School (HMS)
7/15 -	Assistant Professor	Ophthalmology	HMS

Appointments at Hospitals/Affiliated Institutions

7/10 – 4/11	Clinical Instructor	Ophthalmology	Boston Medical Center
4/11 –	Assistant Surgeon	Ophthalmology	MEE
5/11 –	Clinical Associate	Ophthalmology	Mass General Hospital
7/11 –	Associate Surgeon	Ophthalmology	Brigham & Women's Hospital
7/10 –	Attending Surgeon	Surgery – Ophthalmology	Boston Veterans'

11/12 –	Attending Surgeon	Ophthalmology	Administration Healthcare System Beth Israel Deaconess Medical Center
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Other Professional Positions

2006-2007	Research Coordinator, Department of Surgery, Division of Surgical Research	Cooper University Hospital / UMDNJ Camden, NJ
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Committee Service

Local

2007-2008	Operating Room Committee	Nassau University Medical Center East Meadow, NY
2008-2009	Graduate Medical Education Affiliation Committee	Nassau University Medical Center East Meadow, NY
2012-	Ophthalmic Plastic Surgery liaison to Ophthalmology Residency Program	MEE Boston, MA
2013-	Massachusetts Eye and Ear Utilization Committee	MEE Boston, MA
2014-2017	Schwartz Center Rounds Steering Committee	MEE Boston, MA
2017	Residency Selection Committee	MEE Boston, MA

Regional

2015	Judge for Resident Research Poster Competition	New England Ophthalmological Society Meeting, Boston
2017	Moderator / Planning Group for Oculoplastics Subspeciality Session	New England Ophthalmological Society, Boston, MA

Professional Societies

2011 –	American Academy of Ophthalmology	Fellow
2012 –	AO Foundation	Member
2012 –	Massachusetts Society of Eye Physicians and Surgeons	Member
2012-	Mass Medical Society	Member
2013 –	American Society of Ophthalmic Plastic and Reconstructive Surgery (ASOPRS)	Fellow
2013 –	New England Ophthalmological Society	Member
2016-	American College of Surgeons	Fellow

Grant Review Activities

2007	Unrestricted Educational Grant \$4,000 – Allergan, Inc.	Meadowbrook Education and Research Fund, East Meadow, NY
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Editorial Activities

Survey of Ophthalmology
Digital Journal of Ophthalmology
Ophthalmic Surgery Lasers and Imaging
Ophthalmic Plastic and Reconstructive Surgery
Orbit
Neuro-Ophthalmology
British Journal of Ophthalmology
Plos One
Plastic and Reconstructive Surgery
Allergy & Rhinology

Honors and Prizes

1998	Metropolitan College Alumni Scholarship	Boston University	Boston, MA
2005	Joseph C. Fischer Award in Surgery	SUNY Upstate Medical University	Syracuse, NY
2006	Outstanding Resident Teacher in Surgery	Thomas Jefferson University Hospital / Jefferson Medical College	Philadelphia, PA
2008	Research -- Best in Department	Nassau University Medical Center Research Day	East Meadow, NY
2016	Surgical Teacher of the Year	HMS Dept. of Ophthalmology	Boston, MA

Report of Funded and Unfunded Projects

Funding Information

Past

2006	<p>“A double-blind, randomized, placebo-controlled Phase 2b Study to Establish the Effective Dose Range and to Evaluate the Safety of Chrysalin in Adult Subjects with a Fractured Distal Radius.” Protocol OL-ADRFX-03. Sponsor—OrthoLogic. Research Coordinator Principal Investigator David Fuller MD Cooper University Hospital, Department of Orthopedic Surgery, Camden NJ</p>
2006	<p>“A Prospective, Randomized, Controlled Evaluation of Fibrin Sealant 2 (FS2) as an Adjunct to Hemostasis for Soft-Tissue Bleeding During Retroperitoneal or Intra-Abdominal Surgery.” Protocol 400-05-06. Sponsor: Ethicon, Inc. Research Coordinator Principal Investigator: Justin Harmon, DO Cooper University Hospital, Department of Surgery, Division of Urology, Camden, NJ</p>
2006	<p>“ATS Open Pivot Heart Valve Intra-Operative Assessment (OPIA).” Protocol 2411-008.</p>

- Sponsor: ATS Medical, Inc.
 Research Coordinator
 Principal Investigator: Steven W. Marra, MD, Department of Surgery, Division of
 Cardiothoracic Surgery
 Cooper University Hospital, Camden, NJ
- 2006 “A multi-center, randomized, double-blind, placebo-controlled, dose escalation trial on safety and efficacy of activated recombinant factor VII (NovoSeven) in the treatment of post-operative bleeding in patients following cardiac surgery requiring cardiopulmonary bypass.” Protocol: F7CARD-1610.
 Sponsor: Novo-Nordisk.
 Research Coordinator
 Principal Investigator: Steven W. Marra, MD, Department of Surgery, Division of
 Cardiothoracic Surgery
 Cooper University Hospital, Camden, NJ
- 2007 “A multi-center, randomized, double-blind, placebo-controlled, dose escalation trial on safety and pharmacokinetics of recombinant factor XIII in patients following first-time myocardial infarction revascularization requiring cardiopulmonary bypass.” Protocol: F13CARD-1660.
 Sponsor: Novo-Nordisk.
 Research Coordinator
 Principal Investigator: Steven W. Marra, MD, Department of Surgery, Division of
 Cardiothoracic Surgery
 Cooper University Hospital, Camden, NJ
- 2007 “A Prospective, Observational, Multicenter Study Assessing Early Post-Operative Recovery Following Laparoscopic Partial Large Bowel Resection.” Protocol 14CL401.
 Sponsor: Adolor.
 Research Coordinator
 Principal Investigator: Brian Kann, MD, Department of Surgery
 Cooper University Hospital, Camden, NJ
- 2007 “Multicenter Infection Surveillance Study Following Colorectal Procedures.” Protocol ONQ052206.
 Sponsor: On-Q.
 Research Coordinator
 Principal Investigator: Brian Kann, MD, Department of Surgery
 Cooper University Hospital, Camden, NJ
- 2007 “Anticoagulation Strategy with Bioprosthetic Valves Post-Operative Event Registry.” Protocol ANSWER07.
 Sponsor: St. Jude Medical / Duke Clinical Research Institute.
 Research Coordinator
 Principal Investigator: Steven W. Marra, MD, Department of Surgery, Division of
 Cardiothoracic Surgery
 Cooper University Hospital, Camden, NJ
- 2007 “Group-Sequential Design, Multicenter, Double-Blind, Randomized, Placebo-Controlled Study to Evaluate the Efficacy, Immunogenicity, and Safety of Single Dose of Merck 0657nl Staphylococcus Aureus Vaccine (V710) in Patients 18 to 70 Years of Age Scheduled for Cardiothoracic Surgery.” Protocol V710-003-00.
 Sponsor: Merck, Inc.
 Research Coordinator

Principal Investigator: Steven W. Marra, MD, Department of Surgery, Division of Cardiothoracic Surgery,
Cooper University Hospital, Camden, NJ

Current Unfunded Projects

- 2015- Principal investigator evaluating intranasal visualization of lacrimal sac using light pipe during endoscopic dacryocystorhinostomy surgery
2016- Open Globe and Orbital Fractures

Report of Local Teaching and Training

Teaching of Students in Courses

04/2009	Ophthalmology for Medical Students	Nassau University Medical Center, New York College of Osteopathic Medicine 2 hour lecture to medical students East Meadow, NY
02/2010	Ophthalmology for Medical Students	Nassau University Medical Center, New York College of Osteopathic Medicine 2 hour lecture to medical students East Meadow, NY
09/2011	Ophthalmology for Medical Students	HMS Boston, MA
09/2012	Ophthalmology for Medical Students	HMS Boston, MA
9/2015	Ophthalmology for Medical Students Physical Exam Instruction	HMS Boston, MA
2016-	HMS Ophthalmology – Clinical Site Preceptor	HMS Boston, MA

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

No presentations below were sponsored by outside entities

2010	Suturing Course for Ophthalmology Residents – 3 hour course BU School of Medicine	Instructor Boston, MA
2010	Orbital anatomy dissection course for residents – 8 hour course BU School of Medicine and Tufts / New England Medical Center	Lecturer and Instructor Boston, MA
2011	Suturing Course for Ophthalmology Residents – 3 hour course HMS / MEE	Instructor Boston, MA
2011	“Orbital Anatomy” 1 hour lecture to Boston University Ophthalmology Residents	Boston VA Health System Boston, MA
2011	“Orbital Anatomy” 1 hour lecture to HMS / MEE Ophthalmology Residents	Boston, MA
2011	“Evaluation of Orbital Disease” 1 hour	Boston VA Health System

2011	lecture to BU Ophthalmology Residents "Congenital Anomalies" 1 hour lecture to BU Ophthalmology Residents	Boston, MA Boston VA Health System Boston, MA
2012	HMS / MEE Oculoplastics Journal Club Bimonthly 2-hour meeting	Boston, MA
2012	"Orbital Infections" 1 hour lecture to BU Ophthalmology Residents	Boston VA Health System Boston, MA
2012	"Orbital Melanoma" 1 hour lecture to BU Ophthalmology Residents	Boston VA Health System Boston, MA
2012	"Double vision after rugby match" 1 hour lecture to BU Ophthalmology Residents	Boston VA Health System Boston, MA
2012	"Caution: Side effects may include upset stomach and psychosis." 1 hour lecture to BU Ophthalmology Residents	Boston VA Health System Boston, MA
2012	"Eyelid Neoplasms" 1 hour lecture to BU Ophthalmology Residents	Boston VA Health System Boston, MA
2012	"Eyelid Trauma" 1 hour lecture to BU Ophthalmology Residents	Boston VA Health System Boston, MA
2012	"Eyelid Malignancies" 1 hour lecture to MEE / HMS Ophthalmology Residents	Boston, MA
2012	"Orbital Inflammations" 1 hour lecture to MEE / HMS Ophthalmology Residents	Boston, MA
2012	"The Orbit From Above" 45 minute lecture to MEE / HMS Ophthalmology Residents for Orbital Dissection Course	Boston, MA
2013	"General Surgical Techniques" 45 minute lecture to MEE / HMS Ophthalmology Residents	Boston, MA
2013	"General Surgical Techniques" 45 minute lecture to Boston Medical Center / BU School of Medicine Ophthalmology Residents	Boston, MA
2013	"Eyelid Malignancies" 1 hour lecture to MEE / HMS Ophthalmology Residents	Boston, MA
2014	"Evaluation of the Lacrimal Drainage System" 1 hour lecture to MEE/ HMS Ophthalmology Residents	Boston, MA
2014	"General Surgical Techniques" 45 minute lecture to MEE/ HMS Residents	Boston, MA
2014	"Oculoplastics Trauma" 45 minute lecture to MEE / HMS Residents	Boston, MA
2014	Ophthalmoscopy course instruction (3 hour practical course and 1 hour lecture) to Internal Medical Residents – Brigham and Women's Hospital /HMS	Boston, MA
2015	"Orbital Fractures" 45 minute lecture to MEE / HMS	Boston, MA

2015	“Oculofacial Trauma” 45 minute lecture to MEE / HMS Residents	Boston, MA
2015	Eyelid Suturing Course – 3 hour didactic and hands-on suturing course for Ophthalmology Residents from all 3 Boston ophthalmology residency programs	Boston, MA
2015	“Evaluation of the Lacrimal System” 45 minute lecture to MEE /HMS Ophthalmology Residents	Boston, MA
2016	“Oculoplastics Trauma” 45 minute lecture to MEE / HMS Residents	Boston, MA
2016	Eyelid Suturing Course – 3 hour didactic and hands-on suturing course for Ophthalmology Residents from all 3 Boston ophthalmology Residency Programs “Eyelid / post-Mohs Reconstruction” 45 minute lecture to MEE / HMS Residents	Boston, MA
2017	“Evaluation of the Lacrimal System” 45 minute lecture to MEE /HMS Ophthalmology Residents	Boston, MA

Clinical Supervisory and Training Responsibilities

2010 –	Supervision of resident clinical training (ophthalmic plastic surgery) Boston VA Health Care System	Weekly supervision of second-year ophthalmology residents in outpatient clinics, OR, and ER
2010 – 2011	Supervision of resident clinical training (ophthalmic plastic surgery) BU School of Medicine	Daily supervision of second-year ophthalmology residents in outpatient clinics, OR, inpatient, and ER
2011 -	Supervision of resident clinical training (ophthalmic plastic surgery) HMS / MEE	Daily supervision of second-year ophthalmology residents in outpatient clinics, OR, inpatient, and ER
2012 –	Supervision of Ophthalmic Plastic Surgery fellow clinical training	Weekly supervision of first and second year fellow duties in clinic, ER, OR, and inpatient service

Local Invited Presentations

No presentations below were sponsored by outside entities

2002	“Treatment of Thoracolumbar Burst Fractures with the Synthes Fixateur Interne: A Retrospective Review” Lefebvre DR , Bennett MY, Connolly PJ Department of Orthopedic Surgery, 23 rd Annual Alumni Day SUNY Upstate Medical University, Syracuse, NY
2004	“The Medical Benefits of Laparoscopic Roux-en-Y Gastric Bypass Surgery” Lefebvre, DR Department of Surgery, SUNY Upstate Medical University, Syracuse, NY
2005	“Barretts Esophagus: A Review of Clinical Presentation, Histopathology, and Treatment Options.” Lefebvre, DR

- 2008 Department of Pathology, SUNY Upstate Medical University, Syracuse, NY
 “An enzyme-mediated assay to quantify inoculation volume delivered by suture needlestick injury: two gloves are better than one.” **Lefebvre DR**, Strande L, Hewitt CW. Nassau University Medical Center Research Day, East Meadow, NY
- 2011 “Orbital Melanoma” / Grand Rounds
 Department of Ophthalmology, Mass Eye & Ear, Harvard Medical School
- 2012 “Warning: Side Effects May Include Upset Stomach and Psychosis” / Grand Rounds
 Department of Ophthalmology, Mass Eye & Ear, Harvard Medical School
- 2013 “What is Thyroid Eye Disease?” Lecture to Graves Disease and Thyroid Foundation Support Group, Boston, MA
- 2015 “Orbital Decompression” One hour lecture to the Longwood Medical Area Ophthalmology (LMAO) Conference @ Joslin Diabetes Center
- 2016 “Periocular surgical approaches to the orbit and sinuses” Lecture and Panel Discussant, Otolaryngology Grand Rounds, Mass Eye and Ear / Harvard Medical School Department of Otolaryngology
- 2017 Introduction of the Chandler Visiting Professor – Mass Eye and Ear Dept. of Ophthalmology

Report of Regional, National and International Invited Teaching and Presentations

No presentations below were sponsored by outside entities

Invited Presentations and Courses

Regional

- 2010 Orbital Melanoma / New England Oculoplastics Society (NEOPS)
 Boston MA
- 2011 Primary Acquired Melanosis and Conjunctival Melanoma / New England Oculoplastics Society (NEOPS), Boston MA
- 2012 Intralesional hemorrhage in cellular blue nevus of the orbit. / New England Oculoplastics Society (NEOPS), Boston MA
- 2013 “Oculofacial Botulinum Toxin” / Podium presentation at New England Ophthalmological Society Meeting, February 22, 2013, Boston, MA
- 2013 “Eyelid Malignancies” / One-hour lecture to New England College of Optometry Alumni Sunday Morning Breakfast Series Continuing Education, Boston, MA
- 2013 “Evaluation of Orbital Disease / Orbital Tumors Overview” / One-hour lecture to New England College of Optometry Alumni Sunday Morning Breakfast Series Continuing Education, Boston, MA
- 2013 “Orbital Myositis – 71 y/o female with hypertropia” / Presentation at New England Oculoplastics Society (NEOPS), Boston, MA
- 2014 “Orbital Decompression” / Podium presentation at New England Ophthalmological Society Meeting, April 11, 2014, Boston, MA
- 2017 “Treatment of Orbital Malignancies – Globe-sparing or Not” / Podium presentation at New England Ophthalmological Society Meeting, 3/3/2017, Boston, MA

National

- 2007 “Hemosiderin-laden macrophages: a marker for sub-clinical graft-versus-host-disease (GVHD) after bone marrow transplantation.”
Lefebvre DR, Tai C, Matthews MS, Strande LF, Marra S, Hewitt CW
 Experimental Biology (FASEB), Washington DC

- 2007 “Graft heart rates may grossly indicate development of immunotolerance induced by isolated vascularized bone marrow transplantation.”
Lefebvre DR, Gordon CR, Strande LF, Marra S, Hewitt CW
Experimental Biology (FASEB), Washington, DC
- 2008 “A new rat model to study allograft tolerance and chimerism induction using vascularized bone marrow transplantation.”
Gordon CR, Matthews MS, Tai C, **Lefebvre DR**, Strande LF, Marra SW, Hewitt CW
Plastic Surgery Research Council, Springfield, IL
- 2011 “Post-operative dacryocystitis.”
Lefebvre DR, Dhar S, Freitag SK
American Society of Ophthalmic Plastic and Reconstructive Surgery (ASOPRS)
Spring Meeting Oral Presentation, Amelia Island, FL
- 2012 “Anterior orbital vascular malformation mimicking a carotid-cavernous sinus fistula.”
Lefebvre DR, Chandra R, Haddadin R, Ogilvy C, Freitag SK
American Society of Ophthalmic Plastic and Reconstructive Surgery (ASOPRS)
Spring Meeting Oral Presentation, Tucson, AZ
- 2012 “Controversies in Oculoplastic Surgery – When to stop pre-operative blood thinners.”
Lefebvre DR
Kevin Hill Seminar in Ophthalmology, Colby College, Waterville, ME
- 2012 “Controversies in Oculoplastic Surgery – The case for early repair of orbital fractures.”
Lefebvre DR
Kevin Hill Seminar in Ophthalmology, Colby College, Waterville, ME
- 2012 “Extreme Case Presentations: Hematic cyst around orbital silicone implant.”
Lefebvre, DR
Kevin Hill Seminar in Ophthalmology, Colby College, Waterville, ME
- 2012 “Extreme Case Presentations: Treatment of steroid-resistant thyroid orbitopathy with rituximab.”
Lefebvre, DR
Kevin Hill Seminar in Ophthalmology, Colby College, Waterville, ME
- 2012 “Idiopathic Orbital Inflammation (IOI): Defining IOI, when to biopsy and consideration of IgG4-associated disease.”
Lefebvre, DR
Kevin Hill Seminar in Ophthalmology, Colby College, Waterville, ME
- 2012 “Drug-Induced Orbital Inflammation”
Lefebvre, DR
Kevin Hill Seminar in Ophthalmology, Colby College, Waterville, ME
- 2012 “Ocular myasthenia gravis and autoimmune thyroid disease”
Lefebvre, DR
Kevin Hill Seminar in Ophthalmology, Colby College, Waterville, ME
- 2012 “Eyelid malignancies: from topical therapy to sentinel lymph node biopsy”
Lefebvre, DR
Kevin Hill Seminar in Ophthalmology, Colby College, Waterville, ME
- 2012 “Eyelid and canalicular trauma: ER repair techniques.”
Lefebvre, DR
Kevin Hill Seminar in Ophthalmology, Colby College, Waterville, ME
- 2012 “Retained orbital wooden foreign body requiring trans-cranial orbitotomy for removal”
Lefebvre, DR

Kevin Hill Seminar in Ophthalmology, Colby College, Waterville, ME

- 2013 “Orbit Anatomy from Above” Lecture and course instructor / co-director for National fresh frozen cadaver orbital dissection course offered to Mass Eye and Ear residents and fellows and oculofacial plastic surgery fellows from the United States through ASOPRS
- 2013 “Volume of the Sphenoid Trigone Based on CT Measurements in Different Gender and Race” Podium presentation at Harvard Medical School Ophthalmology Alumni Symposium
- 2013 “Volume of the sphenoid trigone based on CT measurements in difference gender and race.” **Lefebvre DR**, Yoon MK. Fall Symposium of the American Society of Ophthalmic Plastic and Reconstructive Surgery, New Orleans, LA
- 2014 “What is Thyroid Eye Disease?” Podium presentation at national meeting of Graves Disease and Thyroid Foundation Group, Boston, MA
- 2015 “Orbit Anatomy from Above” Lecture and course instructor / co-director for National fresh frozen cadaver orbital dissection course offered to Mass Eye and Ear residents and fellows and oculofacial plastic surgery fellows from the United States through ASOPRS
- 2016 “General Principles of Plating Oculofacial Fractures” Lecture to participants in the MEE / HMS Orbital Fracture Course offered to Boston-area ophthalmology residents and national ASOPRS oculofacial plastic surgery fellows held at MEE and sponsored by Synthes
- 2016 “Relationship of the maxillary line to lacrimal sac endocanalicular light pipe transillumination – an endonasal *in vivo* analysis.” Cretara EZ; Bleier BS; Lam AC; **Lefebvre DR**. Podium presentation at Lacrimal session of the annual meeting of the American Society of Ophthalmic Plastic and Reconstructive Surgery (ASOPRS), October 14, 2016 -- Chicago IL
- 2017 “Orbital Anatomy from Above” Lecture to participants in the Mass Eye and Ear / Harvard Medical School Orbital Dissection Course offered to Boston-area ophthalmology residents and national ASOPRS ophthalmic plastic surgery fellows, January 23, 2017 Boston, MA

International

- 2012 “Evaluation of Orbital Disease”
Lefebvre, DR
Lecture to Staff of St. John Eye Hospital
Jerusalem, Israel, February 2012
- 2012 “Intralesional hemorrhage in cellular blue nevus of the orbit.”
(selected for oral presentation) Yoon MK, **Lefebvre, DR**
Orbital Society Symposium, Buenos Aires, Argentina, September 2012
- 2012 “Volume of the Sphenoid Trigone based on CT Measurements in Different Sex and Race”
(selected for oral presentation) **Lefebvre DR**, Yoon MK
Orbital Society Symposium, Buenos Aires, Argentina, September 2012
- 2013 “The use of the sinus microdebrider in orbital surgery.” (selected for oral presentation)
Freitag SK, Yoon MK, Lee NG, Callahan AB, **Lefebvre DR**
European Society of Ophthalmic Plastic and Reconstructive Surgery, Barcelona, Spain,
September 2013
- 2015 “Oculofacial Trauma” **Lefebvre, DR** Lecture to Staff of St. John Eye Hospital, Jerusalem,
Israel, March 2015
- 2017 “Open Globe Injuries Associated with Facial Fractures” **Lefebvre DR**, Wolkow N, Gaier
ED, Tarabishy S, Grob S, Gardiner M. Presentation at the annual meeting of the European
Society of Ophthalmic Plastic Surgery, Stockholm, Sweden, September 14, 2017

Report of Clinical Activities and Innovations

Current Licensure and Certification

2005-2006	Pennsylvania Medical License (training – inactive)
2007-2010	New York Medical License (training – inactive)
2010-2012	Rhode Island Medical License (inactive)
2010-	Massachusetts Medical License
2011-2021	Certified, American Board of Ophthalmology

Practice Activities

2012 –	Ambulatory clinic and surgery	Ophthalmic Plastic Surgery, MEE	4 days/week
2012 –	Ambulatory clinic and surgery	Ophthalmic Plastic Surgery, Boston VA Med Ctr	1 day/week
2016 -	Massachusetts General Hospital Remote Second Opinion	Ophthalmic Plastic Surgery, Boston, MA	As needed

Report of Technological and Other Scientific Innovations

2011-- 2012	Expert Subject, Surgical Simulator for Eyelid Trauma, Massachusetts Institute of Technology / Partners, Simulation Group Cimit, Cambridge, MA
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Report of Education of Patients and Service to the Community

No activities below were sponsored by outside entities

Activities

2008	“Glaucoma and Macular Degeneration” Lefebvre DR SUNY Stony Brook Low Vision Group, East Setauket NY
2009	Voluntary Health Program (VHP) Surgical mission to Institute of Latin American Concern (ILAC) in the Dominican Republic to provide charitable oculoplastic surgical service Santiago de los Caballeros, Dominican Republic
2011 –	MEEI/MGH Thyroid Support Group Direct discussion and question/answer session from patients with thyroid disease
2012	Volunteer surgical mission to St. John Eye Hospital – Oculoplastic Surgery Jerusalem, Israel
2012	“Thyroid Eye Disease and Smoking” / Graves Disease and Thyroid Foundation – Boston Support Group, MEE, Boston MA
2013	“What is Thyroid Eye Disease?” / Graves Disease and Thyroid Foundation – Boston Support Group, MEE, Boston
2017	Behaviorial Medicine / Eye Trauma Clinic Collaboration at Mass Eye and Ear – assisted Seanna Grob, MD, in development of a mental health sub-clinic within the Eye Trauma Service clinic to assist patients with mental and emotional adjustment following severe eye trauma / disfigurement / loss of an eye

Report of Scholarship

Peer reviewed publications in print or other media

Research investigations:

1. Gordon CR, Matthews MS, **Lefebvre DR**, Strande L, Marra S, Hewitt CW. A New Modified Technique for Heterotopic Femoral Heart Transplantation in Rats. *J Surg Res* 2007;139(2):157-163.
2. Gordon CR, **Lefebvre DR**, Matthews MS, Strande LF, Marra SW, Gugliemi M, Hollenberg SM, Hewitt CW. Pulse Doppler and m-mode to assess viability in heterotopic heart transplantation in rats." *Microsurgery* 2007;27(4):240-244.
3. **Lefebvre DR**, Strande L, Hewitt CW. An enzyme-mediated assay to quantify inoculation volume delivered by a suture needlestick injury: two gloves are better than one. *J Am Coll Surg.* 2008; Jan 206(1):113-122.
4. 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 May 1;8(5):e61638.
5. Bleier BS, **Lefebvre DR**, Freitag SK. Endoscopic orbital floor decompression with preservation of the inferomedial strut. *Int Forum Allergy Rhinol.* 2014 Jan;4(1):82-4.
6. Jakobiec FA, Rai R, **Lefebvre DR**. Papillary hidradenoma of the eyelid margin: clinical and immunohistochemical observations further supporting an apocrine rather than eccrine origin. *Surv Ophthalmol.* 2014 Jan 28.
7. Freitag SK, Yoon MK, Callahan AB, Lee MG, **Lefebvre DR**. Microdebrider use in orbital surgery. *Orbit* 2014 Jun;33(3):189-92.
8. **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 25:1-6.
9. 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.* 2015 Jun 25
10. Patel AV, Rashid A, Jakobiec FA, **Lefebvre DR**, Yoon MK. Orbital Branch of the Infraorbital Artery: Further Characterization of an Important Surgical Landmark. *Orbit* 2015 Aug;34(4):212-5.
11. Choi CJ, Chou JC, **Lefebvre DR**, Yoon MK. Margin Reflex Distance: Differences Based on Camera and Flash Positions. *Ophthal Plast Reconstr Surg.* 2015 Apr 3.
12. **Lefebvre DR**, Dhar S, Lee I, Allard F, Freitag SK. External dacryocystorhinostomy outcomes in patients with a history of dacryocystitis. *Digit J. Ophthalmol.* 2015 Sep 20;21(3):1-22.
13. Choi CJ, **Lefebvre DR**, Yoon MK. Validation of the facial assessment by computer evaluation (FACE) program for software-aided eyelid measurements. *Orbit.* 2016 Jun;35(3):117-20.
14. 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 May;30(3):226-9.
15. 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.
16. Wladis EJ, Shinder R, **LeFebvre DR**, Sokol JA, Boyce M. Clinical and microbiologic features of dacryocystitis-related orbital cellulitis. *Orbit.* 2016 Oct;35(5):258-61.
17. 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.
18. 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 Sep;30(5):189-91.
 19. Mueller SK, Freitag SK, **Lefebvre DR**, Bleier BS. Endoscopic DCR using bipediced interlacing mucosal flaps. *Laryngoscope*. 2017 Aug 8.
 20. Mueller SK, Miyake MM, **Lefebvre DR**, Freitag SK, Bleier BS. Long-term impact of endoscopic orbital decompression on sinonasal-specific quality of life. *Laryngoscope* 2017 Sep 25.

Other peer-reviewed publications

21. **Lefebvre DR**, Freitag SK. Update on Imaging of the Lacrimal System. *Semin in Ophthalmol*. 2012;Sep-Nov 27(5-6):175-86
22. **Lefebvre DR**, Chandra RV. Diagnosis and treatment of penetrating orbital cranial foreign body injuries. *Digit J Ophthalmol*. 2012 Dec 31;18(4):9-11.
23. **Lefebvre DR**, Migliori ME. Cellular neurothekeoma of the eyelid – a case report. *Ophthal Plast Reconstr Surg*. 2013 Nov 5.
24. Patel MM, **Lefebvre DR**, Lee NG, Brachtel E, Rizzo J, Freitag SK. “Gaze-Evoked Amaurosis From Orbital Breast Carcinoma Metastasis.” *Ophthal Plast Reconstr Surg* 2013;Feb26.
25. Papakostas TD, Lee NG, **Lefebvre DR**, Barshak MB, Freitag SK. “Endogenous panophthalmitis with orbital cellulitis secondary to Escherichia Coli.” *Clin Experiment Ophthalmol*. 2013;Feb 21.
26. Campbell AA, Cunnane ME, Dunn GP, Gray ST, **Lefebvre DR**. Spontaneous Resorption of a Penetrating Orbital Bone Fracture Fragment. *Ophthal Plast Reconstr Surg*. 2014 May 14.
27. Tiedemann LM, **Lefebvre DR**, Wan MJ, Dagi LR. Iatrogenic inferior oblique palsy: intentional disinsertion during transcaruncular approach to orbital fracture repair. *J AAPOS*. 2014 Oct;18(5):511-4.
28. Grob SR, Campbell A, **Lefebvre DR**, Yoon MK. External Versus Endoscopic Dacryocystorhinostomy. *Int Ophthalmol Clin*. 2015 Fall;55(4):51-62.
29. Rao R, MacIntosh PW, Yoon MK, **Lefebvre DR**. Current trends in the management of thyroid eye disease. *Cur Opin Ophthalmol*. 2015 Nov; 26(6):484-90.
30. Chen X, Bleier BS, **Lefebvre DR**, Lee NG. Pseudomonas Aeruginosa: A Masquerader in Sino-Orbital Infections. *Ophthal Plast Reconstr Surg*. 2015 Sept 21.
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2. Wolkow N, Grob S, Gaier E, Tarabishy S, Gardiner M, **Lefebvre DR.** Open globe injury associated with orbital fracture carries a poor prognosis. Association for Research in Vision and Ophthalmology, Baltimore, MD, May 2017
3. Wolkow N, Grob S, Gaier E, Tarabishy S, Gardiner M, **Lefebvre DR.** Open globe injury associated with orbital fracture carries a poor prognosis. American Society of Ophthalmic Plastic and Reconstructive Surgery, New Orleans, LA, Nov 9, 2017.

Narrative Report

• I am an ophthalmic plastic surgeon. My contributions and achievements are primarily focused through clinical expertise. Clinical and educational activities occupy 90% of my time, clinical research activities 10%. Within my Area of Excellence of clinical expertise and innovation, my primary focus is on providing the best possible care, both clinically and surgically, to my patients. This includes careful clinical examination and contemplation with emphasis on clear communication with both patients and other health care providers. Attention to perfect surgical technique employing the latest technologies is of paramount importance. I currently see patients at Mass Eye and Ear at 243 Charles Street in Boston; 800 Huntington Avenue, Boston; and East Bridgewater, MA. I also see patients and perform surgery at the Boston Veterans Affairs Health System in Jamaica Plain and West Roxbury, MA. In addition to my clinical activities, my research involves clinical investigations concerning orbital anatomy, trauma and orbital fractures, and endoscopic lacrimal (DCR) surgery.

I regularly teach medical students, residents and fellows in clinic, the emergency ward, and the operating theater. I give lectures locally, regionally, nationally, and internationally at meetings and on volunteer surgical missions. Teaching also extends to the lay community, and I am involved with the Graves Disease and Thyroid Foundation Support Group, attending and lecturing at quarterly meetings.

My primary goal is to provide the very best care for patients with eyelid, lacrimal, and orbital problems, and this is accomplished through careful examination, listening, communication, and, when necessary, performing surgery in the most precise and up-to-date manner possible. With my background in general surgery, surgical research, and micro-surgery, and my specialized training in ophthalmic plastic and orbital surgery, I am uniquely prepared to accomplish this goal. As an educator, I pass this knowledge and skill on to the following generation via direct work with medical students, residents, and fellows.