

Curriculum Vitae

Marc Alexander Polacco, MD

PRESENT POSITIONS: Aesthetic Facial Plastic Surgeon
The Georgia Center for Facial Plastic Surgery
& Laser Aesthetics
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Facial Plastic and Reconstructive Surgeon
Harmonie Center for Skin Health
902 Ponder Place Ct
Evans, Georgia 30809

**ACADEMIC
BACKGROUND:** Gustavus Adolphus College
B.A. Biology and Chemistry
Minor in Music

University of Iowa College of Medicine
M.D. degree

**SURGICAL
TRAINING:** Resident, Otolaryngology-Head and Neck Surgery
Dartmouth-Hitchcock Medical Center, Lebanon NH

Fellow, Facial Plastic and Reconstructive Surgery
University of California San Francisco, San Francisco, CA

Fellow, Aesthetic Facial Plastic Surgery
The Georgia Center / Augusta University, Evans, GA

LICENSURE: Georgia, active

California, active

New Hampshire, active

LEADERSHIP POSITIONS:

<u>YEAR</u>	<u>POSITION</u>	<u>ROLE</u>	<u>INSTITUTION</u>
2019-present	Board of Directors	Lead a non-profit organization focusing on melanoma research and education.	The American Melanoma Institute
2018-present	Reviewer	Review manuscripts for the journal, <i>Otolaryngology – Head and Neck Surgery</i> .	American Academy of Otolaryngology - Head and Neck Surgery.
2016-2018	Resident reviewer	Critically review articles under the mentorship of Dr. Michael Friedman, medical director at Chicago ENT and professor of otolaryngology at Rush University	American Academy of Otolaryngology - Head and Neck Surgery Resident Reviewer Development Program
2017-2019	Region 1: New England Representative	Elected to represent the needs and interests of 7 otolaryngology programs in New England.	American Academy of Otolaryngology – Head and Neck Surgery Section for Residents and Fellows
2017	Dartmouth Electronic Medical Record Liaison	Serve as a resource for surgeons with questions regarding Epic.	Dartmouth-Hitchcock Medical Center
2016	Dartmouth Representative	Elected to represent the needs and interests of otolaryngology residents at Dartmouth.	American Academy of Otolaryngology – Head and Neck Surgery Section for Residents and Fellows

MEMBERSHIP, OFFICE & COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES:

<u>DATE</u>	<u>SOCIETY</u>	<u>ROLE</u>
2015-present	American Academy of Facial Plastic and Reconstructive Surgery	Member
2015-present	American Society for Lasers in Medicine and Surgery	Member
2015-present	AOCMF	Member

2014-present	American Academy of Otolaryngology - Head and Neck Surgery	Member
2014- present	New England Otolaryngology Society	Member
2011-present	Association for Prevention Teaching and Research	Member
2010-present	American Medical Association	Member

AWARDS AND HONORS:

<u>DATE</u>	<u>AWARD NAME</u>
Dec 2018	American Academy of Otolaryngology – Head and Neck Surgery Humanitarian Travel Grant, \$1,000.
Aug 2018	Completion of the Otolaryngology – Head and Neck Surgery Resident Reviewer Development Program.
Nov 2017	DePuy Synthes Travel Grant, funding for AO course: <i>Orbital Approaches and Fundamentals</i> , Tampa, FL, \$1,200.
June 2017	New England Otolaryngology Society Resident Research Grant, \$5,000.
May 2017	Lean Six Sigma Yellow Belt Certification, Dartmouth Value Institute.
April 2017	American Society for Lasers in Medicine and Surgery Preceptorship Award, mentorship under Dr. Jason Bloom and Dr. Eric Bernstein; Mainline Center for Laser Surgery, Ardmore, PA, \$1,000.
Oct 2016	Second place award for resident lecture: <i>Penny-pinching time: Access and Opportunity Cost in Otolaryngology</i> , New England Otolaryngology Society Meeting, Lebanon, NH.
Sept 2016	American Academy of Otolaryngology – Head and Neck Surgery Resident Travel Award, San Diego, CA, \$500.
May 2014	Graduation with distinction in research, University of Iowa Carver College of Medicine.
May 2014	Graduation with distinction in the humanities, University of Iowa Carver College of Medicine.
April 2014	Alpha Omega Alpha Helen H. Glaser Student Essay Award, Honorable Mention for <i>The Six-Million Dollar Physician: A History of Robotics Making Surgeons Better, Faster, Stronger</i> .
June 2013	Gold Humanism Honor Society.

June 2013	Alpha Omega Alpha Carolyn L. Kuckein Student Research Fellowship, \$5,000.
May 2012	Outstanding research presentation: 13 th Annual Student Interdisciplinary Health Research Poster Session, University of Iowa.
July 2011	Paul Ambrose Scholar, Association for Prevention Teaching and Research, Washington, DC.
June 2011	University of Iowa Medical Student Summer Research Fellowship.
June 2010	University of Iowa Medical Student Summer Research Fellowship.

TEACHING EXPERIENCE/CURRENT TEACHING RESPONSIBILITIES:**Dartmouth Geisel School of Medicine:**

<u>DATE</u>	<u>TEACHING</u>
April 2019	Volunteer anatomy instructor for medical student head and neck cadaver dissection, Geisel School of Medicine, Lebanon, NH.
April 2017	Volunteer anatomy instructor for medical student head and neck cadaver dissection, Geisel School of Medicine, Lebanon, NH.

Previous teaching experience:

Sept 2011 – May 2013	Co-founder and instructor for Healthy Today, Healthy Tomorrow, a volunteer health and nutrition program at elementary schools in Iowa City, IA.
Sept 2008 – May 2010	Biology tutor, Gustavus Adolphus College, Saint Peter, MN.

LECTURES:

<u>DATE</u>	<u>TOPIC</u>	<u>ORGANIZATION</u>	<u>LOCATION</u>
April 2019	Grand Rounds: Lasers for Treatment of Cutaneous Lesions: Overview and Updates	Dartmouth-Hitchcock Department of Otolaryngology	Dartmouth-Hitchcock Medical Center, Lebanon, NH
May 2018	Spaces of the Head and Neck: Anatomy and Infections	Department of Otolaryngology Medical Student and	Dartmouth-Hitchcock Medical Center, Lebanon, NH

		Resident Didactics	
Mar 2018	Measuring Flap Partial Pressure of Oxygen Using Electron Paramagnetic Resonance Oximetry.	New England Otolaryngology Society	Massachusetts Eye and Ear Infirmary, Boston, MA
May 2017	Temporal Bone Fractures: Anatomy, Etiology, and Management.	Department of Otolaryngology Medical Student and Resident Didactics	Dartmouth-Hitchcock Medical Center, Lebanon, NH
Oct 2016	Penny-pinching Time: Access and Opportunity Cost in Otolaryngology.	New England Otolaryngology Society	Dartmouth-Hitchcock Medical Center, Lebanon, NH
Mar 2016	Epistaxis.	Department of Otolaryngology Medical Student and Resident Didactics	Dartmouth-Hitchcock Medical Center Lebanon, NH
Dec 2015	Relapsing Polychondritis: Concerns for the Pediatric Patient.	New England Otolaryngology Society Meeting	Massachusetts Eye and Ear Infirmary, Boston, MA.

SERVICE AND VOLUNTEERISM:

<u>DATE</u>	<u>ORGANIZATION</u>	<u>ACTIVITY</u>	<u>LOCATION</u>
Feb 2019	Philippine American Group of Educators and Surgeons (PAGES)	Performed pro bono cleft lip and palate repair with Dr. Steven Goudy, pediatric otolaryngologist at Emory University.	Imus, Philippines
July 2011 – May 2014	Free Mental Health Clinic	With a team of medical students and a volunteer faculty member, we offered free mental health care each Saturday morning.	Iowa City, IA.
September 2011 –	Healthy Today, Healthy Tomorrow	Along with two other medical	Iowa City, IA.

May 2014		students, we founded a volunteer group to provide after school health and nutrition activities for local elementary schools.	
June 2010	Jacobsen Foundation	Volunteered at a rural medical/surgical clinic in Africa.	Saboba, Ghana
Sept 2008 – May 2010	Africa Partners Medical – Gustavus Adolphus College Chapter	Raised funds to transport medical supplies to Ghana, and increase global healthcare disparity awareness on campus.	Saint Peter, MN.

CLINICAL TRIALS:

<u>DATE</u>	<u>Role</u>
2020	Sub-investigator for the study “A multicenter, open-label study to evaluate the safety of QM1114-DP for the long-term treatment of moderate to severe glabellar lines are lateral canthal lines (READY-4)”. Protocol Number: MA-40372. Sponsor: Q-Med AB, a Nestle skin health affiliate.
2020	Sub-investigator for the study “The INFORM Study: A multi-center study to evaluate the safety and efficacy of rotational fractional resection on submental contouring with an optimized post-procedure treatment plan”. Protocol Number: CLP-0006. Sponsor: Recros Medica, Inc.
2019-2020	Sub-investigator for the study “A single-center, double-blind, split-body study to evaluate the safety and efficacy of deoxycholate for the treatment of lipocytic deformities of the trunk and lower extremities”.
2019-2020	Sub-investigator for the study “A prospective, randomized, double-blind, multicenter study to investigate the safety and duration of effect of different NT 201 dose groups following the treatment of glabellar frown lines”. IND Number: 100288. Sponsor: Merz Pharmaceuticals GmbH.
2019-2020	Sub-investigator for the study “Dysport efficacy and measured satisfaction (DREAM) study: a multicenter, open-label, interventional study to evaluate subject satisfaction of abobotulinimtoxinA treatments in moderate to severe

glabellar lines”. Protocol No: 43USD1802. Sponsor: Q-Med AB, a Nestle skin health affiliate.

2019-2020 Sub-investigator for the study: “A real world, multicenter, open-label, multiple dose study to assess the effectiveness of, and satisfaction with, collagenase clostridium histolyticum treatment of buttock or thigh cellulite in adult females”. Protocol No: EN2835-305. Sponsor: Endo Pharmaceuticals Inc

BIBLIOGRAPHY:

Journal Articles:

Peer-Reviewed:

1. Polacco MA, Davies L, Randolph GW. Thyroidectomy trends among otolaryngologists and general surgeons in the United States. *In Process*.
2. Polacco MA, Divakar P, Johnson H, Bloom J. Indications, outcomes, and complications of periocular dermal fillers: a systematic review. *In Process*.
3. Kahng PW, Polacco MA, Zhao W, Paydarfar JA. Comorbidities as a predictor of submental island flap complications in head and neck surgery. *In Process*.
4. Divakar P, Khan M, Polacco MA, Paydarfar JA. Spontaneous regression of locoregionally advanced head and neck squamous cell carcinoma in the setting of dental infection and fine needle aspiration – a case report. *In Process*.
5. Polacco MA, Butz DR, Bass R, Luu T, Kurum E, DiCarlo A, Maas C, Maas CS. Nerve blocks prior to microfocused ultrasound treatment reduce patient discomfort. *Aesthet Surg J. Accepted*.
6. Polacco MA, Singleton AE, Maas CS. A randomized, prospective clinical study comparing small-particle versus cohesive polydensified matrix hyaluronic acid fillers for the treatment of perioral rhytids. *Aesthet Surg J. Accepted*.
7. Polacco MA, Singleton AE, Barnes C, Maas C, Maas CS. A double-blind, randomized trial to determine optimal doses of incobotulinumtoxinA in aesthetic applications. *Aesthet Surg J. Accepted*.
8. Kaldjian L, Shinkunas L, Reisinger H, Polacco MA, Perencevich E. Attitudes about sickness presenteeism in medical training: Is there a hidden curriculum? *Antimicrob Resist Infect Control*. 2019; 8:149.
9. Polacco MA, Hou H, Kuppasamy P, Chen EY. Measuring flap partial pressure of oxygen using electron paramagnetic resonance oximetry. *Laryngoscope*. 2019 *epub ahead of print*.

10. Polacco MA, Kahng PW, Sudoko CK, Gosselin BJ. Orbital floor reconstruction: a comparison of outcomes between absorbable and permanent implant systems. *Craniomaxillofac Trauma Reconstr.* 2019; 12:193-198.
11. Schartz DA, Polacco MA, Holmgren EP, McCool RR. A rare case of odontogenic chronic suppurative otitis media. *Cureus.* 2019;11:e4284.
12. Queen D, Knackstadt T, Polacco MA, Collins LK, Lee K, et al. Characteristics of nonmelanoma skin cancers of the cutaneous and vermilion lip treated by Mohs micrographic surgery. *J Eur Acad Dermatol Venereol.* 2019;33:305-311.
13. Sudoko CK, Polacco MA, Gosselin BJ, Paydarfar JA. Diagnostic value of lingual tonsillectomy in unknown primary head and neck carcinoma identification after a negative clinical workup and positron emission tomography – computed tomography. *Front Oncol.* 2018;8:118.
14. Polacco MA, Magro IL, Li SX, Smith MC. Thyroid abscess following traumatic intubation. *Otolaryngol Case Reports.* 2017;4:6-8.
15. Harper CW, Polacco MA, Newman JR. Leiomyosarcoma of the inferior turbinate. *Otolaryngol Case Reports.* 2017;4:4-5.
16. Li SX, Polacco MA, Gosselin BJ, Harrington LX, et al. Management of the thyroid gland during laryngectomy. *J Laryngol Otol.* 2017;131:740-744.
17. Polacco MA, Pinteá AM, Gosselin BJ, Paydarfar JA. Parotidectomy using the Harmonic scalpel: ten years of experience at a rural academic health center. *Head Face Med.* 2017;13:8.
18. Polacco MA, Lally J, Walls, A, Harrold LR, Malekzadeh S, Chen EY. Digging into debt: The financial burden associated with the otolaryngology match. *Otolaryngol Head Neck Surg.* 2017;156(6):1091-1096.
19. Li S, Tuft B, Xu L, Polacco MA, Guymon CA, Hansen MR. Intracellular calcium and cyclic nucleotide levels modulate neurite guidance by microtopographical substrate features. *J Biomed Mater Res A.* 2016;104:2037-48.
20. Polacco MA, Ossoff JP, Paydarfar JA. Vallecular varix: A perplexing cause of oral cavity bleeding. *West J Emerg Med.* 2015;16(7):1201.
21. Li S, Tuft B, Xu L, Polacco MA, Clarke JC, Guymon CA, Hansen MR. Microtopographical features generated by photopolymerization recruit RhoA/ROCK through TRPV1 to direct cell and neurite growth. *Biomaterials.* 2015;53:95-106.
22. Polacco MA, Shinkunas L, Perencevich EN, Kaldjian LC, Reisinger HS. See one, do one, teach one: hand hygiene attitudes among medical students, interns, and faculty. *Am J Infect Control.* 2015;43(2):159-61.

Not Peer-Reviewed:

1. Polacco MA. The \$6 million physician: a history of robotics making surgeons better, stronger, faster. *Pharos Alpha Omega Alpha Honor Med Soc.* 2015 Spring; 78(2):10-15.

Abstracts:

1. Polacco MA, Hou H, Kuppusamy P, Chen EY. Measuring flap partial pressure of oxygen using electron paramagnetic resonance oximetry. Combined Otolaryngology Spring Meetings, AAFPRS, National Harbor, MD 2018.
2. Kahng PW, Polacco MA, Zhao W, Paydarfar JP. Comorbidities as a predictor of submental island flap complications in head and neck surgery, Combined Otolaryngology Spring Meetings, AHNS, National Harbor, MD 2018.
3. Polacco MA, Sudoko C, Gosselin BJ, Paydarfar JA. Utility of Lingual Tonsillectomy in the Unknown Primary. Surgical Trainees Annual Research Symposium, Lebanon, NH 2017.
4. Li SX, Polacco MA, Gosselin B, Paydarfar J. Thyroid gland management during laryngectomy. AAO-HNSF Annual Meeting, San Diego, CA 2016
5. Polacco MA, Pintea A, Gosselin B, Paydarfar J. Parotidectomy using the Harmonic scalpel: ten years of experience at a rural academic health center. AHNS 9th International Conference on Head and Neck Cancer. Seattle, WA 2016.
6. Pintea A, Polacco MA, Paydarfar J, Gosselin B. Safety and feasibility of outpatient parotid surgery. AAO-HNSF Annual Meeting, Dallas, TX 2015.
7. Polacco MA, Li S, Tuft B, Xu L, Clarke JC, Guymon CA, Hansen MR. Microtopographical features generated by photopolymerization recruit RhoA/ROCK through TRPV1 to direct cell and neurite growth. AAO-HNSF Annual Meeting, Orlando FL 2014.
8. Polacco MA, Shinkunas L, Perencevich EN, Kaldjian LC, Reisinger HS. See one, do one, teach one: hand hygiene attitudes among medical students, interns, and faculty. Iowa Medical Society Annual Conference, Des Moines, IA 2014.
9. Reisinger HS, Polacco MA, Shinkunas L, Perencevich EN, Kaldjian LC. To Work or Not to Work: Factors that Influence Presenteeism among Physicians and Medical Trainees. ID Week, San Francisco, CA 2013.
10. Polacco MA, Li S, Tuft B, Xu L, Clarke JC, Guymon CA, Hansen MR. Rho kinase inhibitor disrupts directionality of Schwann cell growth on micropatterned polymers. 13th Annual Student Interdisciplinary Health Research Poster Session, Iowa City, IA 2012.
11. Polacco MA, Li S, Tuft B, Xu L, Clarke JC, Guymon CA, Hansen MR. Rho kinase inhibitor disrupts directionality of spiral ganglion neurite growth on micropatterned polymers. University of Iowa Medical Student Research Conference, Iowa City, IA 2011

12. Polacco MA, Haymen T, Shilyansky J. Blocking phosphatidylserine *in vivo* does not promote dendritic cell maturation. University of Iowa Medical Student Research Conference, Iowa City, IA 2010