

WALTER T. LEE MD, MHS

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APPOINTMENTS

- 2016 – Present **Associate Professor with Tenure, Duke University Medical Center**
-Division of Head and Neck Surgery & Communication Sciences, Department of Surgery
-Department of Radiation Oncology
- 2012 – 2016 **Associate Professor, Duke University Medical Center**
Division of Otolaryngology-Head and Neck Surgery & Department of Radiation Oncology
- 2011 - Present **Co-Director, Head and Neck Program**
Duke Cancer Institute
- 2010 – 2012 **Assistant Professor, Duke University Medical Center**
Department of Radiation Oncology
- 2008 – Present **Attending Surgeon, Durham VA Medical Center**
Section of Otolaryngology-Head and Neck Surgery
- 2008 – 2012 **Assistant Professor, Duke University Medical Center**
Division of Otolaryngology-Head and Neck Surgery
- 2007 - 2008 **Cleveland Clinic Taussig Cancer Center**
- 2007 - 2008 **Assistant Professor, Department of Surgery, Cleveland Clinic Lerner
College of Medicine of Case Western Reserve University**
- 2007 - 2008 **Department of Immunology, Lerner Research Institute**
- 2006 - 2008 **Associate Staff, Head and Neck Institute, Cleveland Clinic**

EDUCATION

- 2015 **Duke University School of Medicine**
Masters of Health Sciences in Clinical Research (MHS)
- 2006 **Diplomate of the American Board of Otolaryngology**
Certificate 18614: 6/2006-6/2016 : MOC 2014-2026
- 2005-2006 **Head and Neck Oncology Research Fellowship**
Cleveland Clinic Head and Neck Institute – Cleveland, OH
- 1999-2005 **Otolaryngology - Head and Neck Surgery Residency**
Cleveland Clinic Head and Neck Institute – Cleveland, OH
- 1995-99 **George Washington University School of Medicine and
Health Sciences – Washington, D.C.**
1999 - Doctor of Medicine (M.D.)

1992-99

**7-Year B.A./M.D. Integrated Liberal Arts Medical Program
George Washington University**

1996 - B.A. Philosophy- ethics concentration, *Magna Cum Laude*

PEER-REVIEWED PUBLICATIONS

2018

“Prospective Longitudinal Evaluation of Quality of Life in Three Cohorts of Laryngeal Cancer Patients Treated with Surgery” Anh The Bui MD, Keven Seung Yong Ji BA, Canh Tuan Pham MD PhD, Ky Minh Le MD PhD, Thang Xuan Tong MD, Walter Tsong Lee MD. International Journal of Surgery. 58 (2018) 65–70

2018

“Idiopathic Sudden Sensorineural Hearing Loss Is Not a Sentinel Event for Acute Myocardial Infarction.” Crowson MG, Mulder H, Cyr DD, Langman AW, Lee WT, Parham K, Pynnonen MA, Schulz K, Shin JJ, Witsell D, Vambutas A. Otol Neurotol. 2018 Aug;39(7):e518-e523. doi: 10.1097/MAO.0000000000001868. PMID: 29912831

2018

“Rapid Nonphotonic Assay for Head and Neck Cancer Diagnosis.” P Vohra, P strobbia, HT Ngo, WT Lee, T Vo Dinh. Scientific Reports. 8:11410. DOI:10.1038/s41598-018-29428-0.

2018

“Establishing a Healthcare Research Network in Vietnam: A Platform for Collaborative Quality Improvement.” Bui, AT, Trung DD, Ky Le Minh KL, Nguyen T, Dinh HL, Tran L, NguyenN, Vohra P, Ji KS, Lee E, Campbell J, Lee WT. Proceedings of the The 7th International Conference of the Development of Biomedical Engineering: Translational Health Science & Technology for Developing Countries. BME7 in Vietnam, IFMBE Proceedings. 621-626.

2018

“Value signposts in MedTech development: an experience from the field.” Nguyen KT, Lee PP, Yock PG, Tan NC, Tan HK, Lee WT. Proceedings of the The 7th International Conference of the Development of Biomedical Engineering: Translational Health Science & Technology for Developing Countries. BME7 in Vietnam, IFMBE Proceedings. 621-627-634.

2018

“Botulinum Toxin-A and Scar Reduction: A Review” Adam Honeybrook, MBBS, Walter Lee, MD., Julie Woodward, MD, Charles Woodard, MD The American Journal of Cosmetic Surgery, 35(4), 165–176.

2018

“Assessing effects of pressure on tumor and normal tissue physiology using an automated self-calibrated, pressure sensing probe for diffuse reflectance spectroscopy”. Palmer GM, Zhang H, Lee CT, Mikati H, Herbert JA, Krieger M, Windheim J, Koester D, Stevenson D, Rocke DJ, Esclamado R, Erkanli A, Ramanujam N Dewhirst MW, Lee WT. J. Biomed. Opt. 23(5), 057004 (2018), doi: 10.1117/1.JBO.23.5.057004.

2018

“Associations between Expression Levels of Nucleotide Excision Repair Proteins in Lymphoblastoid Cells and Risk of Squamous Cell Carcinoma of the Head and Neck” Han P, Liu H, Shi Q, Liu Z, Troy JD, Lee WT, Zevallos JP, Li G, Sturgis EM, and Wei Q. Molecular Carcinogenesis. Early View : MAR 2018, DOI:10.1002/mc.22801.

2018

“Does the Number of Sentinel Lymph Nodes Removed Affect the False Negative Rate for Head and Neck Melanoma?” Puza CJ, Josula S,

Terando AM, Howard JH, Agnese DM, Mosca PJ, Lee WT, Beasley GM. Journal of Surgical Oncology. Early View : 7 MAR 2018, DOI: 10.1002/jso.25025

- 2018 **“Solar Powered Hearing Aids for Hearing Impaired Children in Vietnam: A Pilot Study.”** Quang Thanh Vo, Dung Pham, Kevin J. Choi, Uyen T. T. Nguyen, Lan Le, Trudy Shanewise, Lien Tran, Nga Nguyen, Walter T. Lee. Paediatr Int Child Health. 38:1, 40-45. doi: 10.1080/20469047.2016.1276119.
- 2017 **“Squamous Cell Carcinoma DNA Detection Using Ultrabright SERS Nanorattles and Magnetic Beads for Head and Neck Cancer Molecular Diagnostics”** Vohra P, Ngo HT, Lee WT, Vo-Dinh T. Anal. Methods, 2017, 9, 5550-5556
- 2017 **“Reduced mRNA Expression of Nucleotide Excision Repair Genes in Lymphocytes and Risk of Squamous Cell Carcinoma of the Head and Neck.”** Han P, Gao F, Liu H, Liu Z, Shi Q, Troy JD, Owzar K, Lee W, Zevallos JP, Sturgis EM, Wei Q. Carcinogenesis. 2017 May 1;38(5):504-510
- 2017 **“Microbiomic differences in tumor and paired-normal tissue in head and neck squamous cell carcinomas”** Wang H, Funchain P, Bebek G, Altemus J, Zhang H, Niazi F, Peterson C, Lee WT, Burkey BB, Eng C. Genome Med. 2017 9:14.
- 2017 **“CHEER National Study of Chronic Rhinosinusitis Practice Patterns: Disease Comorbidities and Factors Associated with Surgery”** Chapurin N, Pynnonen MA, Roberts R, Schulz K, Shin JJ, Witsell DL, Parham K, Langman A, Carpenter D, Vambutas A, Nguyen-Huynh A, Wolfley A, Lee WT. Otolaryngol Head Neck Surg Apr;156(4):751-756.
- 2016 **“Quantifying the Dynamics of Field Cancerization in Tobacco-Related Head and Neck Cancer: A Multiscale Modeling Approach.”** Marc D. Ryser, Walter T. Lee, Neal E. Ready, Kevin Z. Leder and Jasmine Foo Cancer Res December 15 2016 (76):24 7078-7088.
- 2016 **“Oxygen and perfusion kinetics in response to fractionated radiotherapy in FaDu head and neck cancer xenografts are related to treatment outcome.”** Hu F, Vishwanath K, Salama JK, Erkanli A, Peterson B, Oleson JR, Lee WT, Brizel DM, Ramanujam N, Dewhirst MW. International Journal of Radiation Oncology • Biology • Physics Volume 96, Issue 2, 1 October 2016: 462–469
- 2016 **“Ménière’s Disease: A CHEER Database Study of Local and Regional Patient Encounter and Procedure Patterns Otolaryngology -- Head and Neck Surgery.”** Crowson MG, Schulz K, Parham K, Vambutas A, Witsell D, Lee WT, Shin JJ, Pynnonen MA, Nguyen-Huynh A, Ryan SE, Langman A. Otolaryngol Head Neck Surg July. vol. 155 no. 1 15-21.
- 2016 **“Thyroid Disease and Surgery in CHEER: The Nation’s Otolaryngology–Head and Neck Surgery Practice-Based Network”** Parham K, Chapurin N, Schulz K, Shin JJ, Pynnonen MA, Witsell D, Langman A, Nguyen-Huynh A, Ryan SE, Vambutas A, Wolfley A, Roberts R, Lee WT. Otolaryngol Head Neck Surg July. vol. 155 no. 1 22-27.
- 2016 **“Tonsillectomy Bleed Rates across the CHEER Practice Research Network: Pursuing Guideline Adherence and Quality Improvement”**

Lee WT, Witsell D, Parham K, Shin JJ, Chapurin N, Pynnonen MA, Langman A, Nguyen-Huynh A, Ryan SE, Vambutas A, Roberts R, Schulz K. Otolaryngology -- Head and Neck Surgery July 2016 155: 28-32.

- 2016 **“Variation in the Use of Vestibular Diagnostic Testing for Patients Presenting to Otolaryngology Clinics with Dizziness”** Piker EG, Schulz K, Parham K, Vambutas A, Witsell D, Tucci D, Shin JJ, Pynnonen MA, Nguyen-Huynh A, Crowson M, Ryan SE, Langman A, Roberts R, Wolfley A, Lee WT. Otolaryngology -- Head and Neck Surgery July 2016 155: 42-47.
- 2016 **“Does an Otolaryngology-Specific Database Have Added Value? A Comparative Feasibility Analysis”** Bellmunt AM, Roberts R, Lee WT, Schulz K, Pynnonen MA, Crowson M, Witsell D, Parham K, Langman A, Vambutas A, Ryan SE, Shin JJ. Otolaryngology -- Head and Neck Surgery July 2016 155: 56-64.
- 2016 **“The role of professional identity formation in balancing residency service versus education needs”** Sajisevi M, Wilken R, Lee WT. Journal of Graduate Medical Education: Vol. 8, No. 2, pp. 154-155.
- 2015 **“Gene expression profile of dendritic cell–tumor cell hybrids determined by microarrays and its implications for cancer immunotherapy”** Dannull J, Tan C, Farrell C, Wang C, Pruitt S, Nair S and Lee WT. Journal of Immunology Research, vol. 2015, Article ID 789136, 10 pages, 2015. doi:10.1155/2015/789136.
- 2015 **“Assessment of the clinical utility of cVEMP and oVEMP testing in elderly Patients.”** Piker EG, Baloh RW, Witsell DL, Garrison DB, Lee WT. Otol Neurotol. 36(7): 1238-44.
- 2015 **“Epiglottic Cyst Causing Dysphagia and Impending Airway Obstruction.”** Collins A, Chapurin N, Lee WT. *Am J Otolaryngol*.36(3): 492-3.
- 2015 **“[^{99m}Tc]Tilmanocept Accurately Detects Sentinel Lymph Nodes and Predicts Pathologic Nodal Status in Patients with Squamous Cell Carcinoma of the Head and Neck: Results of a Phase 3 Multi-Institutional Trial.”** Agrawal A, Civantos FJ, Brumund KT, Chepeha DB, Hall NC, Carroll WR, Smith RB, Zitsch RP, Lee WT, Shnyder Y, Cognetti DM, Pitman K, King DW, Christman LA, and Lai SY. *Ann Surg Oncol*. Oct;22(11):3708-15.
- 2014 **“FoxP3 and indoleamine 2,3-dioxygenase immunoreactivity in sentinel nodes from melanoma patients”** Ryan M, Crow J, Kahmke R, Fisher SR, Su Z, Lee WT. *Am J Otolaryngol–Head and Neck Med and Surg*, 35:689-94. <http://dx.doi.org/10.1016/j.amjoto.2014.08.009>
- 2014 **“The Promise of the Profession Lies Within Us.”** Lee WT. *Bull Am Coll Surg*. 2014; 99(10):30-1.

- 2014 **“Assessment of the Sensitivity and Specificity of Tissue-Specific-Based and Anatomical-Based Optical Biomarkers for Rapid Detection of Human Head and Neck Squamous Cell Carcinoma ”** Hu F, Vishwanath K, Beumer HW, Puscas L, Afshari HR, Esclamado R, Scher R, Fisher S, Lo J, Mulvey C, Ramanujam N, Lee WT. Oral Oncol. Sep;50(9):848-56.
- 2014 **“PET/CT for Head and Neck Squamous Cell Cancer—Uses and Updates for Radiologists. ”** Oldan JD, Yoo DS, Lee WT, Hoang JK. Curr Radiol Rep 2:47.
- 2014 **“A comparison of physicians and patient/caregiver health attitudes and their effect on Medicare resource allocation for patients with advanced cancer. ”** Rocke DJ, Thomas S, Puscas L, Lee WT. JAMA Otolaryngol Head Neck Surg. 140(6):497-50.
- 2014 **“Surgical innovation, industry partnership, and the enemy within”** Lee WT, Rocke D, Holsinger FC. Head Neck. 36(4). 461-65.
- 2014 **“Effect of Physician Perspective on Allocation of Medicare Resources for Patients with Advanced Cancer”** Rocke DJ, Beumer HW, Thomas S, Lee WT. Otolaryngol Head Neck Surg. 150(5) 792-800.
- 2014 **“Comparison of complications in free flap reconstruction for osteoradionecrosis in patients with or without hyperbaric oxygen therapy”** Nolen D*, Cannady SB*, Wax M*, Scharpf J*, Puscas L, Esclamado RM, Fritz M, Freiburger J, Lee WT. * equal contribution. Head Neck. Jan 20, doi: 10.1002/hed.23520
- 2014 **“Patient Reported Outcomes in Endoscopic and Open Transcervical Treatment for Zenker’s Diverticulum”** Rajasekaran SR, Lee WT, Lorenz RR, Wood BG, Kominsky A, Scharpf J. Laryngoscope. Jan;124(1):119-25.
- 2013 **“ Rapid Determination of Oxygen Saturation and Vascularity for Cancer Detection”** Hu F, Vishwanath K, Lo J, Erkanli A, Mulvey C, Lee WT, Ramanujam N. PLoS ONE 8(12): e82977. doi:10.1371/journal.pone.0082977
- 2013 **“ Physician knowledge of and attitudes towards the Patient Protection and Affordable Care Act”** Rocke DJ, Thomas S, Puscas L, Lee WT. Otolaryngol Head Neck Surg. 150(2) 229–234.
- 2013 **“Surgical Training and Education in Promoting Professionalism (STEPP) :A Comparative Assessment of Virtue based Leadership Development in Otolaryngology-Head and Neck Surgery Residents”** Schulz K, Puscas L, Tucci D, Woodard C, Witsell DL, Esclamado RM, Lee WT. Med Educ Online 2013, 18: 22440 - <http://dx.doi.org/10.3402/mco.v18i0.22440>
- 2013 **“An analysis of registered clinical trials in otolaryngology from 2007-2010: ClinicalTrials.gov”** Witsell DL, Schulz KA, Lee WT, Chiswell K. Otolaryngol Head Neck Surg. 2013 Nov 9;149(5):692-9
- 2013 **“Dendritic cell vaccines targeting Survivin in Head and Neck Cancer”** Lee WT. Immunotherapy, November 2013, Vol. 5, No. 11: 1169-1171.

- 2013 **“Local secretion of IL-12 augments the therapeutic impact of dendritic cell – tumor cell fusion vaccination”** Chunrui Tan, Jens Dannull, Smita K. Nair, Enyu Ding, Douglas S. Tyler, Scott K. Pruitt, and Walter T. Lee. J Surg Res. 2013 Dec;185(2):904-11.
- 2013 **“Medical Errors: Teachable moments in doing the right thing”** Rocke D. and Lee WT. Journal of Graduate Medical Education: December 2013, Vol. 5, No. 4, pp. 550-552.
- 2013 **“Selecting Among Otolaryngology Residency Applicants to Train as Tomorrow's Leaders”**. Lee WT, Esclamado RM, Puscas L. JAMA Otolaryngol Head Neck Surg. 139(8):770-771.
- 2013 **“Impact of anti-CD25 Monoclonal Antibody on Dendritic cell-Tumor fusion Vaccine Efficacy in a Murine Melanoma Model.”** Chunrui Tan, Varun Reddy, Jens Dannull, Enyu Ding, Smita Nair, Douglas S Tyler, Scott K Pruitt and Walter T Lee. Journal of Translational Medicine.2013, 11:148. DOI: 10.1186/1479-5876-11-148.
- 2013 **“Physician allocation of Medicare resources for patients with advanced Cancer.”** Rocke DJ, Lee WT, Beumer HW, Taylor DH Jr, Schulz K, Thomas S, Puscas L. J Palliat Med. 2013 Aug;16(8):857-66.
- 2013 **“Utility of Intraoperative Frozen Sections during Thyroid Surgery”** Kahmke R, Lee WT, Puscas L, Scher R, Shealy M, Burch W, Esclamado RM. International Journal of Otolaryngology, vol. 2013, Article ID 496138. doi:10.1155/2013/496138
- 2013 **“Measuring the Immeasurable Core Competency of Professionalism”** Lee WT. JAMA Otolaryngol Head Neck Surg. 2013;139(1):12-13.
- 2013 **“Effectiveness of a postoperative disposition protocol for sleep apnea surgery.”** Rocke D, Sharp S, Puscas L, Wiener D, Lee WT. Am J Otolaryngol. Jul-Aug;34(4):273-7.
- 2012 **“A Non-oncogenic HPV 16 E6/E7 Vaccine Enhances Treatment of HPV Expressing Tumors.”** BG Wiekling, DW Vermeer, WC Spanos, KM Lee, P Vermeer, WT Lee, Y Xu, ES Gabitzsch, S Balcitis, JP Balint Jr, FR Jones, and JH Lee. Cancer Gene Therapy 10:667-74.
- 2012 **“Channeling Aristotle: Virtue-Based Professionalism Training during Residency.”** Lee WT, Schulz K, Witsell DL, Esclamado RM. Medical Education. 46: 1129–1130. doi: 10.1111/medu.12000
- 2012 **“Evaluation of Endoscopic Harmonic Diverticulostomy.”** Whited C, Lee WT, Scher R. Laryngoscope. Jun;122(6):1297-300. doi: 10.1002/lary.23251.
- 2012 **“Leukotriene C4 induces migration of human monocyte-derived dendritic cells without loss of immunostimulatory function.”** Jens Dannull, Tristan Schneider, Walter T Lee, Nicole De Rosa, Douglas S Tyler, and Scott K Pruitt. Blood. 119(13):3113-22. PMID: 22323449

- 2012 **“Qualities of residency applicants: Comparison of Otolaryngology Program Criteria With Applicant Expectations.”**
Sharp S, Puscas L, Schwab B, Lee WT. Arch Otolaryngol Head Neck Surg. 2012;138(1):10-4. PMID: 22249622
- 2012 **“Bilateral Renal Cell Carcinoma Metastasis in the Oral Cavity”**
Brian Schwab and Walter T. Lee. Am J Otolaryngol. 2012 Jan;33(1):154-5.PMID: 21371782
- 2011 **“Treatment induced changes in vocal cord mobility and subsequent local recurrence after organ preservation therapy for laryngeal carcinoma.”**
W. Lee*, D. Yoo*, L. Puscas, D. Witsell, R. Scher, S. Fisher, G. Broadwater, N. Ready, D. Brizel, R. Esclamado. Head and Neck. 08/2011; DOI: 10.1002/hed.21813. * Contributed equally to project.
- 2011 **“Sentinel Node Biopsy for Head and Neck Melanoma: A Systematic Review”** Nicole de Rosa, MD, Gary H Lyman, MD, MPH, Damian Silbermins, MD, Matias E Valsecchi, MD, Scott K Pruitt, MD, PhD, Douglas M. Tyler, MD, Walter T Lee. Otolaryngol Head Neck Surgery. 145(3):375-382. PMID: 21540313
- 2011 **“Tongue Entrapment in a Metal Drinking Bottle”**
Chad Whited, Daniel Rocke, Walter T. Lee. Arch Otolaryngol Head Neck Surg. 137(6):625-7. PMID: 21690517
- 2011 **“Detection of Squamous Cell Carcinoma and corresponding biomarkers using Optical Spectroscopy”**
H. Wolfgang Beumer, Karthik Vishwanath, Liana Puscas, Hamid R. Afshari, Nimmi Ramanujam, Walter T. Lee. Otolaryngology Head Neck Surgery. 144 (3): 390-394.
- 2011 **“Comparison of Applicant Criteria and Program Expectations for Choosing Residency Programs in the Otolaryngology Match”**
Scott Sharp, Liana Puscas, Brian Schwab, Walter T. Lee. Otolaryngology Head Neck Surgery. 144(2) 174-179.
- 2010 **“Immunotherapy using allogeneic squamous cell tumor-dendritic cell fusion hybrids.”**
Walter T. Lee, Chunrui Tan, Gary K. Koski, Suyu Shu, Peter A. Cohen. Head Neck.32(9):1209-1216. PMID: 20054852
- 2010 **“Toll-like Receptor Agonists as Third Signals for Dendritic Cell-Tumor Fusion Vaccines.”**
Edward I. Cho, Chunrui Tan, Gary K. Koski, Peter A. Cohen, Suyu Shu, Walter T. Lee. Head Neck. 32(6):700-707. PMID: 19908319
- 2010 **“Impact of preepiglottic space tumor involvement on concurrent chemoradiation therapy.”**
Walter T.Lee MD, Mark Rizzi MD, Joseph Scharpf MD, Robert R. Lorenz MD, Jerrod P.Saxton MD, David J.Adelstein MD, Ramon .M. Esclamado MD. Am J Otolaryngol. 31 (3):185-188.
- 2010 **“Extent of Neck Dissection Required after Concurrent Chemoradiation for Stage IV Head and Neck Squamous Cell Carcinoma.”**
Steven B. Cannady, Walter T. Lee, Joseph Scharpf, Robert R. Lorenz, Benjamin G. Wood,

Marshall Strome, Pierre Lavertu, Ramon M. Esclamado, Jerrold P. Saxton, David J. Adelstein. *Head Neck*. 32:348-356.

- 2010 **“HPV Status-Independent Association of Alcohol and Tobacco Exposure or Prior Radiation Therapy with Promoter Methylation of FUSSEL18, EBF3, IRX1, and SEPT9, but not SLC5A8, in Head and Neck Squamous Cell Carcinomas.”**
Kristi L. Bennett, Walter T. Lee, Eric Lamarre, Xiatong Zhang, Rahul Seth, Joseph Scharpf, Jennifer Hunt, Charis Eng. *Genes Chromosomes Cancer*. 49(4):319-26. PMID: 20029986
- 2008 **“Regional spread of cutaneous squamous cell carcinoma of the face via facial vein tumor thrombus: a case report.”**
Aysenur Meric Teker, MD; Robert R. Lorenz, MD; Walter T. Lee, MD; Aaron Hoshar, MD
Am J Otolaryngol. 29: 423-425 PMID: 19144305
- 2008 **“Laryngeal Transplantation in the Setting of Cancer: A Rat Model.”**
Taha Z. Shipchandler, MD; Robert R. Lorenz, MD; Walter T. Lee, MD; Aysenur Meric Teker, MD; Olivia Dan, Marshall Strome, MD. *Laryngoscope*. 118(12):2166-2171. PMID: 18948827
- 2008 **“Use of in situ hybridization to detect human papillomavirus in head and neck squamous cell carcinoma patients without a history of alcohol or tobacco use.”** Walter T. Lee, Raymond R. Tubbs, Aysenur M. Teker, Joseph Scharpf, Marshall Strome, Benjamin Wood, Robert R. Lorenz, Jennifer Hunt. *Arch Pathol Lab Med*. 2008; 132:1653-1656. PMID: 18834225
- 2008 **“Immunotherapy of established murine squamous cell carcinoma using dendritic-tumor cell fusion hybrids.”** W.T. Lee, H. Tamai, A.M. Teker, P.Cohen, S. Shu. *Arch Otolaryngol Head Neck Surg*. 2008;134 (6):608-613. PMID: 18559727
- 2008 **“Paired Toll-like Receptor Agonists Enhance Vaccine Therapy through Induction of Interleukin-12.”** Rongxiu Zheng, Peter A. Cohen, Christopher A. A. Paustian, Terrence D. Johnson, Walter T. Lee, Suyu Shu, and Gary K. Koski. *Cancer Res* 2008;68(11):4045-9. PMID: 18519662
- 2008 **“The Lateral Lamella of the Cribriform Plate: Software-Enabled Computed Tomography Analysis and its Clinical Relevance in Skull Base Surgery”** C. Arturo Solares, MD, Walter Lee, MD, Pete S. Batra, MD, Martin J. Citardi MD. *Arch Otolaryngol Head Neck Surg*. 2008;134(3):285-289. PMID: 18347254
- 2008 **“Ansa to recurrent laryngeal nerve anastomosis for unilateral vocal fold paralysis: A single institutional experience.”**
Robert R. Lorenz MD, Aysenur M. Teker MD, Ramon M. Esclamado MD, Marshall Strome MD, Joseph Scharpf MD, Douglas Hicks PhD, Claudio Milstein PhD, Walter T. Lee MD. *Annals of Otolology, Rhinology & Laryngology*, 117(1):40-45. PMID: 18254370
- 2007 **“Immunogenicity of dendritic-tumor fusion hybrids and their utility in cancer immunotherapy.”** Suyu Shu, Rongxiu Zheng, Walter T. Lee, Peter A. Cohen. *Critical Reviews in Immunology*. 27 (5):463-483. PMID: 18197808

- 2007 **“Radiology Quiz Case 1. Tracheocele”**. Teker AM, Lorenz RR, Lee WT, Murthy SC. Arch Otolaryngol Head Neck Surg. 2007 Sep;133(9):940, 942-3. PMID: 17875864
- 2007 **“Obstructing pyogenic granuloma secondary to blunt laryngeal trauma”**
Matthew M. Garrett, Walter T. Lee. Otolaryngol Head Neck Surg; 2007;136:489. PMID: 17321885
- 2007 **“Results of ansa to recurrent laryngeal nerve reinnervation.”**
W.T. Lee, Claudio Milstein PhD, Douglas Hicks PhD, Lee M. Akst MD, Ramon M. Esclamado MD. Otolaryngol Head Neck Surg; 2007;136:450. PMID: 17321876
- 2006 **“Comparison of frontal pneumatization patterns between Koreans and Caucasians.”** Jae Hoon Cho, Martin J. Citardi, Walter T. Lee, Nathan B. Sautter, Heung-Man Lee, Joo-Heon Yoon, Seok-Chan Hong, Jin Kook Kim. Otolaryngol Head Neck Surg; 2006; 135:780. PMID: 17071312
- 2006 **“Risk Factors for Hypopharyngeal/Upper Esophageal Stricture Formation after Concurrent Chemoradiation.”**
W.T. Lee, L.M.Akst, D.J.Adelstein, J.P.Saxton, B.G. Wood, M.Strome, R. M. Esclamado. Head Neck 2006; 28:808-812. PMID: 16732601
- 2006 **“Acute External Laryngotracheal Trauma: Diagnosis and Management”**
Walter T. Lee MD, Ron Eliashar MD, and Isaac Eliachar MD. ENT Journal, 2006;85(3):179-84. PMID: 16615601
- 2006 **“An Orthotic Cranial Molding Helmet for Correcting Positional Plagiocephaly.”**
Walter T. Lee MD, Kirsten Richards CP, James Redhed CPO, Frank A. Papay MD. Journal of Craniofacial Surgery, 2006; 17 (1):139-144. PMID: 16432421
- 2005 **“Melanoma Metastasis Masquerading As Bilateral Acoustic Neuromas.”**
Walter T. Lee MD, Peter C. Weber MD. Otolaryngol Head Neck Surg, 2005;132 (3):505-6. PMID: 15746871
- 2005 **“First Case of Laryngeal Glomangiomyoma”**
Lee, Walter T.; Murthy, Sudish C.; Gildea, Thomas R.; Lorenz, Robert R. Laryngoscope, 2005; 115(11):2038-40. PMID: 16319620
- 2005 **“Tumor-Dendritic cell fusion as a basis for cancer immunotherapy.”**
Walter T. Lee, Keiji Shimizu, Hide Kuriyama, Hiro Tanaka, Jorgen Kjaergaard, Suyu Shu. Otolaryngol Head Neck Surg 2005;132:755-64. PMID: 15886631
- 2005 **“Laryngotracheal consequences in pediatric patients undergoing surgical repair of congenital cardiac disease.”**
Samir S. Khariwala, Walter T. Lee, Peter J. Koltai. Arch Otolaryngol Head Neck Surg 2005;131:336-339. PMID: 15837903
- 2004 **“3D CT Analysis of Frontal Recess Anatomy in Patients Without Frontal Sinusitis.”**
Walter T. Lee MD, Martin Citardi MD, Fredrick Kuhn MD. Otolaryngol Head Neck Surg. 2004 Sept;131(3):164-173. PMID: 15365531

- 2004 •**“Therapeutic vaccine generated by electrofusion of dendritic cells and tumor cells.”**
Kuriyama H, Shimizu K, Lee W, Kjaergaard J, Parkhurst MR, Cohen PA, and Shu S. Developments in Biologicals. 2004;116:169-78;discussion 179-86. PMID: 15603192
- 2004 **“Comparative Analysis of Antigen Loading Strategies of Dendritic Cells for Tumor Immunotherapy.”**
Shimizu K, Kuriyama H, Kjaergaard J, Lee W, Tanaka H, and Shu S. J Immunother. 2004;27 (4):265-72. PMID: 15235387
- 2003 **“Stepped Dose Protocol for Intralesional Cidofovir in Pediatric Recurrent Respiratory Papillomatosis (RRP).”**
Lee Akst MD, Walter Lee MD, Christopher Discolo MD, Daniel Knott MD, Abbas Younes MD, Peter Koltai MD. Arch Otolaryngology Head Neck Surg 2003;129:841-846. PMID: 12925342
- 2002 **“Indications for tracheotomy in the pediatric intensive care population: A pilot study.”**
Walter Lee MD, Peter Koltai MD, Elumalai Appachi MD, Demetrios Bourdakos MD, Steve Davis MD, A.Marc Harrison MD, Kathryn Weise MD, Michael McHugh MD. Arch Otolaryngology Head Neck Surg. 2002;128:1249-1252. PMID: 12431164
- 1999 **“Decreased cerebrospinal fluid absorption during abdominal insufflation.”**
Halverson AL, Barrett WL, Iglesias AR, Lee WT, Garber SM, Sackier JM. Surg Endosc. Aug;13(8):797-800. PMID10430688

NON-PEER REVIEWED PUBLICATIONS

- 2016 **“Informed Decision Making and Consent: Principles and Applications”**
Walter T. Lee MD, MHSc* and Tobi Pledger, DVM, MS, RT (R) MR)(CT)
eRADIMAGING.com.
http://www.eradimaging.com/site/article.cfm?ID=865&mode=ce#.V_xD7mfruM9
- 2016 **“Compared elective neck dissection (END) to therapeutic neck dissection (TND) in patients with early-stage (T1-2), node-negative oral cavity squamous cell carcinoma (OSCC).”** Vikas Mehta, MD, MPH, Neil D. Gross, MD, Samir S. Khariwala, MD, Walter T. Lee, MD, MHS, and Jennifer J. Shin, MD, SM. March, Publications That May Change Your Practice: Spotlight from the OREBM Committee. The Bulletin. March.
- 2003 **“Nasal Deformity in Neonates and Young Children.”**
Walter T. Lee MD, Peter J. Koltai, MD. Pediatr Clin North Am. 2003 Apr ; 50(2);459-67. PMID: 12809334

BOOK CHAPTERS

- 2017 **Applied Ethics in Veterinary Medicine: A Guide for Practitioners, Nurses and Students.**
Ed. Siobhan Mullan and Anne Fawcett. Chapter contributor..
- 2015 **Healthcare 2050: Anticipatory Leadership, Physician Shortages, and Patient-Centered Care.** Doublestein BA, Lee WT, Pfohl RM. Ed: Matt Sowcik. Leadership 2050: Critical Challenges, Key Contexts, and Emerging Trends.
- 2011 **Dendritic cell-tumour cell fusion vaccines**

Walter T. Lee. In : Dittmar, Thomas Editor. Cell Fusion in Health and Disease.
<http://www.springer.com/biomed/book/978-94-007-0762-7>

- 2009 **Role of Lymph Nodes in Immunotherapy of Malignant Tumors.**
Walter T. Lee and Suyu Shu. In: Leung, S. Editor. Cancer Metastasis: From Local Proliferation to Distant Sites Through the Lymphovascular System.
- 2007 **Significance of Regional Draining Lymph Nodes in the Development of Tumor Immunity: Implications for Cancer Immunotherapy.**
Rongxiu Zheng, Jorgen Kjaergaard, Walter T. Lee, Peter A. Cohen, Suyu Shu. In: Leung, S. Editor. Cancer Metastases and the Lymphovascular System: Basis for Rational Therapy.
- 2005 **Salvage Surgery After Chemoradiation Therapy**
Walter T. Lee and Ramon M. Esclamado In: Adelstein D, editor. Squamous cell head and neck cancer. 1st ed. Humana Press: 69, 2005.
- 2002 **Nosebleeds (Epistaxis)**
Lee, W. In: Ponsky J, editor. The Cleveland Clinic Guide to Surgical Patient Management Mosby: 327, 2002.

PRESENTATIONS

- 2018 **Building Healthy Learning Communities: Countering the hidden curriculum and managing challenges in professionalism: Panel Speaker**
Society of Academic Otolaryngologists Annual Meeting. Washington DC. Nov 9-10.
- 2018 **“How to be Virtuously Successful in Medicine”** Keynote Address. Consortium for Excellence in Medical Education (CEME) Chief Resident Leadership Training Seminar, May 19.
- 2017 **“The Value of Virtue: It’s about you, not me.”** Duke Pediatrics Department Grand Rounds., Duke University Medical Center. May 16, James Fox and Walter T Lee.
- 2016 **“The Value of Virtue: It’s about you, not me.”** Duke AHEAD Grand Rounds., Duke University Medical Center. December 7th James Fox and Walter T Lee.
- 2016 **“Leading with Virtue in Order to Create Cultures of Excellence in the Practice of Medicine“** 18th Annual International Leadership Association Global Conference, November 4. Atlanta GA.
- 2016 **“Approaches to Head and Neck Cancer in the age of HPV”**
Martinsville Memorial Hospital Oncology Symposium. Oct 25. Martinsville, VA
- 2016 **“Understanding Other Cultures and Worldviews”.** CURE conference. Campbell University. Sept. 10.
- 2016 **“Surgical Advances and Considerations for the Treatment of Head & Neck Cancer”.** Masters of Surgical Oncology Collective Wisdom at the Cutting Edge: New approaches to Head & Neck, Thoracic, and Brain Tumors. Cary NC, July 30.
- 2016 **“Building Partnerships to Improve Cancer Care in Vietnam: The story of ENSight”.** The 6th International Conference of the Development of Biomedical

Engineering: Healthcare Technology for Developing Countries. Ho Chi Minh City, Vietnam. June 28.

- 2016 **“Management of Head and Neck Cancer”**
Grand Rounds, Mariah Parham Medical Center, Henderson NC. May 9.
- 2016 **“Bioethics: Principles, Pearls, Pitfalls, and Practice”**
Practice Course Duke University Medical School. Annual course.
- 2015 **“Healthcare 2050: Anticipatory Leadership, Physician Shortages, and Patient-Centered Care”**. Doublestein BA, Lee WT, Pfohl RM. International Leadership Association (ILA) Annual Meeting. Barcelona Spain. Oct 15.
- 2015 **“Professionalism Intelligence Model: Pursuing Excellence in Patient Care through Virtue Based Interprofessional Assessment and Development.”**
Co-Presented with Barry Doublestein DSL, Daphne Logue RN. Academy for Professionalism in Health Care, 3rd Annual Conference May 7-9. Louisville KY.
- 2015 **“Head and Neck Overview”**. Duke Cancer Network. Durham NC April 1.
- 2014 **“Patient Reviews of Physicians, Clinics and Hospitals: Responding as a scholar and warrior”** GI Grant Rounds. Duke University Medical Center, Nov. 5,
- 2014 **“Engagement from the Ground Up: Navigating the Mandates of New Healthcare”** Panelist, ENGAGE: Innovation in Patient Engagement. Sept 30-Oct 1. Bethesda MD. Sponsored by MedCity News.
- 2014 **“HPV and Head and Neck Cancers: From Headlines to Cure”**
Departments of Surgery and Medicine Grant Rounds, Duke Raleigh Hospital, June 5.
- 2014 **“Leadership Lived Out: An initiative to develop a new generation of virtuous physician-professionals.”**
Co-presented with Barry Doublestein DSL and Richard Pfohl DSL. Academy for Professionalism in Health Care, 2nd Annual Conference May 8-10. Chicago IL.
- 2014 **“Impact of Concurrent Chemotherapy on T Cell Populations in Patients with Advanced-Stage Oropharyngeal Squamous Cell Carcinoma”**
Multidisciplinary Head and Neck Cancer Symposium Feb 20-24 Scottsdale AZ.
- 2013 **Leadership “Basic Training”**
Division of Emergency Medicine, Forums Sept 25, Oct 9, Nov 13
- 2013 **“Surgical Innovation, Industry Partnership, and the Enemy Within”**
Department of Radiology Grant Rounds, Duke University, Sept 12.
- 2013 **“Tissue-Specific Assessment of Physiological and Morphological Biomarkers Enables Rapid Detection of Human Head and Neck Cancer for Global Health”**. Fangyao Hu, Karthik Vishwanath, Halton Beumer,
Liana Puscas, Hamid Afshari, Ramon Esclamado, Richard Scher, Samuel Fisher, Nirmala Ramanujam, Walter T. Lee.
6th Annual Alliance for Surgery and Anesthesia Presence (ASAP) , Durham NC Sept 6.

- 2013 **“Current Issues and Challenges of Practice Based Research in Head and Neck Cancer.”** South Carolina and North Carolina Societies of Otolaryngology – Head and Neck Surgery Annual Meeting. Myrtle Beach SC, Aug. 2.
- 2013 **Surgical Training and Education in Promoting Professionalism (STEPP): An assessment of virtue based leadership development in otolaryngology-head and neck surgery residents.** Lee WT, Schulz K, Puscas L, Tucci D, Woodard C, Witsell D, Esclamado R. 20th International Federations of Otolaryngology Societies World Congress. Seoul, South Korea. June 1-5.
- 2012 **Surgical Innovation, Industry Partnership, and the Enemy Within** University of Texas at Houston, Department of Otorhinolaryngology, Grand Rounds, Houston TX Aug 8.
- 2012 **Skin Cancers and Neck Dissection: What, When and How** Duke Division of Plastic Surgery Grand Rounds, Durham NC March 25.
- 2012 **Dendritic Cell – Tumor Cell Fusion Vaccines** Duke Department of Hematology/Oncology Grand Rounds, Durham NC Feb 22.
- 2012 **HPV and Otolaryngology-Head and Neck Surgery** Carolina Medical Center Grand Rounds. Concord NC. Feb. 14.
- 2011 **Dendritic Cell-Tumor Fusion Hybrids generated from IL-12 transfected tumor cells induce significant therapeutic antitumor response.**
Walter T. Lee, MD, Chunrui Tan, BS, J.D. Serfas, BS, Yens Dannull, PhD, Smita Nair, PhD, Douglas Tyler, MD, Scott K. Pruitt, MD, PhD. American Head and Neck Society Annual Meeting, Chicago, IL. April 27-28.
- 2011 **“Systematic Review of 99mTc Human Serum Albumin and 99mTc Sulfur Colloid Studies of Sentinel Lymph Node Biopsy (SLNB) of Cutaneous Head and Neck Melanoma”** Nicole De Rosa, Gary H Lyman, Damian Silbermins, Matias E Valsecchi, Walter T. Lee. Combined Sections Meeting, Scottsdale, Arizona, Jan 27-29.
- 2010 **“Head and Neck Cancer and HPV – What I need to know for my patients and me.”** South Carolina and North Carolina Societies of Otolaryngology – Head and Neck Surgery. Asheville, NC, July 18.
- 2009 **“Cancer Immunotherapy: Past Potential, Present Challenges, Future Promise.”** South Carolina and North Carolina Societies of Otolaryngology – Head and Neck Surgery. Wild Dunes, SC, July 31.
- 2008 **“Outcomes for Endoscopic and Open-Neck Approaches for Zenker’s Diverticulum.”** Rahul Seth, Carl Koch, Robert Lorenz, Joseph Scharpf, Walter Lee. 2008 American Academy of Otolaryngology Annual Meeting and Expo, Chicago, IL.
- 2008 **“Concurrent chemoradiotherapy and gefitinib for locoregionally advanced head and neck squamous cell cancer (HNSCC)”**

D.J. Adelstein, J.P. Saxton, L.A. Rybicki, C.P. Rodriguez, R.R. Lorenz, B.G. Wood, J. Scharpf, W.T. Lee, D.I. Ives. 7th International Conference on Head and Neck Cancer, San Francisco, July 19-23.

- 2008 **“Mantle Cell Lymphoma Presenting as an Upper Airway Obstruction.”**
Williamson, Mary E MD. Lee, Walter MD. Middle Section Meeting of the Triologic Society. January 18-20, Chicago , IL .
- 2007 **“Role of Lymph Nodes in Immunotherapy of Malignant Tumors”.**
2nd International Symposium on Cancer Metastasis and the Lymphovascular System: Basis for Rational Therapy. Guest Faculty Presenter. San Francisco CA, May 4.
- 2007 **“Tracheotomy management after partial laryngectomy with or without radiation therapy.”** A. Meric Teker, W. T. Lee , R.M. Esclamado, B. Wood, M. Strome 1, J. Saxton, D.J. Adelstein, J. Scharpf, R. R. Lorenz.
Presented at the American Head and Neck Society Meeting, April 28, San Diego, CA
- 2003 **“Incidence, Etiology, and Risk Factors for Tracheotomy after Prolonged Intubation in the Pediatric Intensive Care Unit.”**
Walter Lee MD, Peter Koltai MD, A. Marc Harrison MD, Elumalai Appachi MD, Steve Davis MD, Kathryn Weise MD, Michael McHugh MD, Ben Saville BS.
Presented at the 2003 4th World Congress of Pediatric Intensive Care, Boston MA.

RESEARCH GRANT AWARDS

- 2018-2019 **“Optimization of Gel Ethanol Ablation as a Low-Cost, Safe, and Effective Surgical Alternative for Treatment of Head and Neck Cancers.”**
Biotechnology Innovation Grant (BIG) North Carolina Biotechnology Center, 100K. Walter Lee - Clinical Lead (Ramanujam & Mueller – PI)
- 2018-2019 **“Cancer Detection Technologies in Low Resource Settings”**
Awarded by Duke MEDx 2018 Colloquia Series Grant \$2500. Role- PI
- 2018-2019 **“Fostering Healthier Connections Globally through Technology Innovation in HNCS”**
Awarded by Duke MEDx 2018 Colloquia Series Grant \$5000. Role- PI
- 2017-2018 **“Identifying Key Virtues among Health Professions that are Vital for Patient Care”** DukeAHEAD. \$7500. Role- PI
- 2016-2018 **“Partnership to Use a Low-Cost, Mobile Flexible Nasopharyngoscope for Head and Neck Cancer Screening in Vietnam”**
Duke/Duke-NUS Collaboration Pilot Project. 200K. Role-PI.
- 2015-2016 **“A Surgeon’s Perspective: Utilization of First-Person Video to Enhance Surgical Residency Education and Training.”** GME innovation grant. Role-Co-PI
- 2014-2016 **“Quantitative Optical Sensor to Monitor Tumor Vascular Physiology”**
Awarded by NCI (2R42CA156901-02A1 (Phase II STTR)), 679K (Von Windheim, PI)
Walter T. Lee: Clinical Lead Investigator

- 2011-2014 **“A Collaborative, Multi-Departmental training Program in Emergency Airway Management”** Awarded by Duke Graduate Medical Education Innovation Grant. Role Collaborator.
- 2013 **“Feasibility Study of Low-Cost, Portable, Fiberoptic Nasolaryngoscope for Early Screening and Detection of Head and Neck Cancers in Vietnam.** Awarded by Duke Global Health Institute and Pratt School of Engineering. \$40,000. Walter T. Lee Co-PI.
- 2013 **“Efficacy of Solar Powered Hearing Aids in Treating Disadvantaged Children with Hearing Loss”** Awarded by the International Hearing Foundation Humanitarian Audiology Grant. \$10,000 for travel and equipment. Walter T. Lee - PI.
- 2013-2018 **“Training for Clinical Research in Hearing, Balance and Other Communication Disorders”** T32 Awarded by National Institute of Dental and Craniofacial Research (NIDCR). 1.9 Million. Walter Lee – Faculty (Tucci-PI)
- 2012 **“Expert Panel: Psychosocial Impact of Head & Neck Cancer on Patients and Caregivers”** Awarded by the CHEER (Creating Healthcare Excellence through Education and Research) Otolaryngology Practice based network. \$10,000 for travel and meeting expenses. Walter Lee – Panel Chair.
- 2012-2013 **“Prognostic Value of Tregs in Sentinel Lymph Nodes in Head and Neck Melanoma”** American Academy of Otolaryngology – Head and Neck Surgery Foundation Resident Research Grant. \$10,000 / American Medical Association Seed Grant \$2,500. Marisa Ryan MD-PI, Walter Lee MD-Mentor.
- 2012-2015 **“Refining Resident Selection: Assessment of character and leadership Potential”.** Duke GME Innovation Grant – \$28,750. Walter T. Lee – Co-PI.
- 2012-2013 **“Assessing the Utility of a Patient Experience Survey for Outcomes Research and Performance Improvement Survey for Outcomes Research and Performance Improvement (Utilizing the new research staffing infrastructure in OHNS).”**
Duke Surgery Department Fund - \$84,500. Walter T. Lee – PI.
- 2011-2012 **“Use of Diffuse Reflectance Spectroscopy to Assess Tumor Biomarkers that predict outcomes in Head and Neck Cancer Therapy.”**
Stewart Trust, Duke Cancer Institute – \$50,000.
- 2011 **“Development of Clinical Research Infrastructure in Vietnam.”**
Duke Global Health Institute Travel Grant - \$5,000.
- 2011-2016 **“Augmenting immune responses to DC-tumor fusions using local 3rd signals”** Career Development Award -2 (CDA-2), Veteran Health Administration. Walter T. Lee (PI), Scott Pruitt (Co-Mentor), Douglas Tyler (Co-Mentor). \$1.6 million. Award Number I01BX007080 from the Biomedical Laboratory Research & Development Service of the VA Office of Research and Development.
- 2010-2011 **“Immune Alterations During and After Treatment in Patients with Head and Neck Cancer”** Voucher for Specialty Core Services, Duke Translational Research

Institute (DTRI).\$20,000. Walter Lee MD-PI. Part of Duke University's CTSA grant 1 UL1 RR024128-01NCRR/NIH.

2010-12 **“Can Optical Spectroscopy Predict Early Treatment Response in Solid Tumors?”** (1K99CA140783-01A1). National Cancer Institute. \$88,401.
Karthik Vishwanath – PI, Walter T. Lee – Clinical Co-Mentor

2007-08 **“Toll-Like receptor agonists as adjuvants for dendritic-tumor fusion vaccines”**. Presented by the Cleveland Clinic Lerner Research Institute. \$25,000.
Edward Cho MD-PI, Walter Lee MD-Mentor.

2007-09 **“Immunotherapy Using Allogenic Squamous Tumor- Dendritic Cell Fusion Hybrids.” - Triological Society Career Development Grant**
Presented by the American Laryngological, Rhinological, and Otolological Society Inc. \$40,000. Walter T. Lee (PI)

2007-12 **“Optimizing Fusion Hybrids for Cancer Immunotherapy.” Young Clinical Scientist Award**
Presented by the Flight Attendant Medical Research Institute (FAMRI). \$500,000.
Walter T. Lee- PI

2005-06 **“Immunotherapy using tumor-dendritic cell hybrids against squamous cell carcinoma.”**
Presented by the Cleveland Clinic Lerner Research Institute. \$25,000. Walter T. Lee- PI

2002 **“Allogenic tumor hybrid cells as basis for cancer vaccine.” AAO-HNS Resident Research Grant Award.** Presented by the American Academy of Otolaryngology-Head and Neck Surgery Foundation. \$10,000.
Walter T. Lee- PI, Suyu Shu- Mentor

SPONSORED RESEARCH STUDIES

2013 **A pilot study of ipilimumab and radiation in poor prognosis melanoma.**
Role: Correlative Science PI. (Study PI A. Salama). Sponsor: Bristol Myers Squibb.

2010 **Observational Study of Swallowing Function After Treatment of Advanced Laryngeal Cancer (TALC).** Multisite Study. Role : Duke Site PI.
Sponsor: American Academy of Otolaryngology – Head and Neck Surgery.

2010 **Identification of a Gene Expression Signature Profile for Panitumumab Sensitivity in Untreated Locally Advanced Squamous Cell Cancer of the Head and Neck (SCCHN) – TOP 0901 –** Multisite Study. Role: Co- Investigator.
Sponsor: Amgen.

2010 **A Phase 3, Prospective, Open-Label, Multicenter Study of Lymphoseek®-Identified Sentinel Lymph Nodes (SLNs) Relative to the Pathological Status of Non-Sentinel Lymph Nodes in an Elective Neck Dissection (END) in Cutaneous Head and Neck and Intraoral Squamous Cell Carcinoma – NE03-06 –** Multisite Study. Role: Duke Site PI. Sponsor: Neoprobe.

2009 **CHECKPOINT® Surgical Nerve Stimulator /Locator Product Validation Study –** Multisite Study. Role: Co-Investigator. Sponsor:NDI Medical, LLC.

RESEARCH MENTEES (for one year or longer)

2017- 2018	Corrine Nief PhD candidate, Pratt School of Engineering
2015-2018	Priya Vohra Medical Student from Duke-NUS, Singapore
2015-2016	Jeongmi Park M.D. Otolaryngologist, Gwangju, South Korea
2014-2016	Cynthia Wang 3rd year Duke Medical Student and T32 recipient (Co-mentor)
2014-2016	Nikita Chapurin 3rd year Duke Medical Student and CRTP recipient
2014-2017	Fangyao Hu Duke Biomedical Engineering Doctorate Candidate
2013-2016	Erin Piker PhD Clinical Audiologist and Researcher
2014-2015	Christine Farrell Duke Undergraduate -Now Univ of Penn Medical Student
2012-2013	Marisa Ryan Otolaryngology Resident, Duke University Medical Center
2011-2012	Cynthia Wang Duke University Undergraduate – Now in OHNS residency
2010-2012	Karthik Vishwananth PhD Duke Biomedical Engineering Post Doctorate Associate
2010-2012	Varun Reddy Duke University Undergraduate – Now in medical school
2009-2010	Daniel R. Chang Duke University Undergraduate
2007-2008	Edward Cho, MD Cleveland Clinic Otolaryngology Head and Neck Surgery Resident
2006-2007	Aysenur Meric Teker, MD Staff - ENT and Head and Neck Surgery Clinic Bezm-i Alem Valide Sultan Vakif Gureba Training and Research Hospital; Istanbul, Turkey

HONORS

2016	Duke Health Fellow Awarded by the Dean, Duke University School of Medicine.
2015	Faculty Mentor of the Year Division of Otolaryngology-Head and Neck Surgery
2014	Essay Winner - “The Promise of a Profession Lies Within Us”. Presented by the Young Fellows Association of the American College of Surgeons. Bulletin, October 2014. Volume 99(10).
2012	Honor Award – Presented by the American Academy of Otolaryngology – Head and Neck Surgery Foundation (AAO-HNSF).
2011	Guest of Honor- Contemporary Multidisciplinary Care of the Head and Neck Cancer Patient. Cleveland Clinic, Cleveland OH, October 21.
2011	Poster of Distinction: “Dendritic Cell-Tumor Fusion Hybrids generated

from IL-12 transfected tumor cells induce significant therapeutic antitumor response.” American Head and Neck Society Annual Meeting, Chicago IL.

- 2011 **Duke Course in Scientific Management and Leadership**
Selected to participate in this three day course sponsored by the Duke University School of Medicine
- 2010 **AAO-HNS Humanitarian Efforts Resident Travel Award - Mentor**
Served as mentor for Scott Sharp MD- recipient of this award presented by the American Academy of Otolaryngology-Head and Neck Surgery. Used to support a mission trip providing basic otolaryngologic care in Valladolid, Mexico.
- 2008 **Heroes Helping Heroes Award - December**
Recognized by Durham VA Medical Center for Excellence in Clinical Care
- 2008 **Triological Resident Research Award: “Laryngeal Transplantation in the Setting of Cancer: A Rat Model.”**
Taha Z. Shipchandler, MD; Robert R. Lorenz, MD; Walter T. Lee, MD; Aysenur Meric Teker, MD; Olivia Dan, Marshall Strome, MD. Combined Otolaryngology Society Meeting (COSM) May 1-4, Orlando FL.
- 2004 **Northeast Ohio Society of Otolaryngologists**
1st place Resident Research Competition “Allogenic tumor hybrid cells as basis for cancer vaccine”
- 2003 **AAO-HNS Humanitarian Efforts Resident Travel Award**
Presented by the American Academy of Otolaryngology-Head and Neck Surgery. Used to support a mission trip providing basic otolaryngologic care in Chiapas, Mexico.
- 1998 **“Bushido and the Art of Medicine”**
Published in The New Physician 10/98- official publication of the American Medical Student Association
- 1997 **“Editing the Narratives of Life” - Winning Essay**
The Academy of Medicine of Washington DC Bioethics Essay Competition
- 1996 **“Kidneys for Sale: Immoral Medicine or Open Market?” - Winning Essay**
The Academy of Medicine of Washington DC Bioethics Essay Competition
- 1995 **Charles E. Gauss Prize - Honorable Mention**
Awarded by the GW Department of Philosophy for excellence in the field

PROFESSIONAL & COMMUNITY SERVICE

- 2018-2019 **Masters of Science Degree Committee: Jonathan Cohen M.D.**
Degree awarded May 2019.
- 2018 **The 7th International Conference of the Development of Biomedical Engineering: Translational Health Science & Technology for Developing Countries.** Ho Chi Minh City, Vietnam. June 27-29.
International Planning Committee
- 2017-2020 **American Head and Neck Society Humanitarian Committee**

- Member
- 2016-Present **American Board of Otolaryngology Task Force**
Board Question Writer
- 2016 **The 6th International Conference of the Development of Biomedical Engineering: Healthcare Technology for Developing Countries.**
Ho Chi Minh City, Vietnam. June 28-30.
International Planning Committee
- 2015- 2016 **Masters of Science Degree Committee: Nikita Chapurin**
Degree awarded May 2016.
- 2015 – Present **Duke Professionalism Accountability (PACT) Program - Peer**
- 2015 – Present **Duke Institutional Review Board (IRB) – Chair**
- 2015- Present **DukeEngage – Vietnam Faculty Fellow**
As Duke Faculty Fellow, I prepared a team of undergraduate students in pre-departure preparation and post service debriefing after their DukeEngage project in Vietnam.
- 2014 – Present **Practice Course Faculty** – Duke University School of Medicine. MS2.
- 2014 **NCI Head and Neck Cancer Steering Committee Immunotherapy Clinical Trials Planning Meeting** – NIH Campus, Bethesda MD. Nov. 9-10.
- 2014 **Otolaryngology Mission Trip** – Hanoi, Vietnam.
Led a team to field test a low cost fiberoptic nasopharyngoscope. Project supported by a Duke Global Health Innovation Grant (\$40,000)
- 2014 **Duke Institute for Health Innovation (DIHI) Advisory Group Member**
- 2014 **Fitzpatrick Institute for Photonics**
Member – Advanced Photonic Systems Group
- 2014 - 2017 **Duke Surgery Comprehensive Education Institute**
Advisory Board Member
- 2013 - Present **CHEER Task Force on Practice Based Research**
Elected Chair 2014-2016
- 2013 **Otolaryngology Mission Trip** – Hanoi and Hue, Vietnam.
Led a team to provide solar powered hearing aids to hearing impaired children – sponsored by a \$10,000 Humanitarian Audiology Grant from the International Hearing Foundation.
- 2013 - Present **Editorial Board Member – Oral Oncology Journal**
- 2012 - Present **Outcomes Research and Evidence Based Medicine Committee Member**
American Academy of Otolaryngology-Head and Neck Surgery Foundation
- 2011 - Present **Cancer Protocol Committee** - Duke Cancer Institute

- November 2011 **Otolaryngology Mission Trip** – Hanoi and Hue, Vietnam.
Spent one week investigating research development opportunities through Resource Exchange International (REI-Vietnam). Obtained \$5000 Travel grant from Duke Global Health Institute
- 2010-2013 **Research Committee Member** - American Head and Neck Society
- September 2011 **South Dakota Translational Cancer Research Center**
Invited External Reviewer
- November 2010 **Otolaryngology Mission Trip** - Valladolid, Mexico.
Spent one week providing basic otolaryngologic care to the Mayan people in the Yucatan.
- 2010 **Clinical Scholars Research Program Contributor**
“Obtaining Approvals: Obtaining IRB, IACUC, and recombinant DNA Approvals.” Walter T. Lee, David Witsell.
The Clinical Scholars Research program is a collaboration between the American Academy of Otolaryngology-Head and Neck Surgery Foundation and CHEER (Creating Health Care Excellence through Education and Research), funded by NIH.
- 2010-2015 **Institutional Review Board Member (IRB)**
Duke University Medical Center
- September 2009 **Otolaryngology Mission Trip** – Ho Chi Minh City, Vietnam.
Spent one week serving alongside Vietnamese otolaryngologists through Resource Exchange International (REI-Vietnam). Obtained \$3000 humanitarian grant from the United Postal Service (UPS) Foundation.
- 2009-Present **Site Based Research (SBR) Surgery Committee**
Otolaryngology Cluster Medical Director
- 2009-Present **First Baptist Church of Durham** – Member
2012 – elected Deacon
2015 – elected Elder
- February 2009 **Sinus Surgery Procedures Course**
Obtained Unrestricted Medtronic Educational grant - \$3400
- 2008-Present **Resident Graduation/Alumni Day Planning Committee**
Scientific Program- Duke Division of Otolaryngology-Head and Neck Surgery
- November 2008 **Resident Head and Neck Surgical Procedures Course**
Obtained Unrestricted Educational Grant from Medtronic – \$1000
- October 2007 **Otolaryngology Mission Trip** – Hanoi Vietnam.
Spent one week serving alongside Vietnamese otolaryngologists through Resource Exchange International (REI-Vietnam).
- 2005-07 **Head and Neck Dissection Course** - Instructor for the annual resident Head and Neck Dissection Course
- 2005-06 **Cleveland Clinic Lerner College of Medicine Medical Student Gross Anatomy Course Instructor** – Head and Neck Section

- March 2003 **Otolaryngology Mission Trip - Chiapas, Mexico.**
Spent one week providing basic otolaryngologic care to indigenous people in Southern Mexico.
- 2002-2005 **AAO-HNS Foundation - Microvascular Committee**
Resident Representative
- 1999 (Sum.) **Indian Health Service Volunteer Physician**
Spent four weeks on the Navajo Reservation in Shiprock NM working in otolaryngology and pediatric departments.
- 1995-Present **Christian Medical & Dental Association (CMDA)**
2007- Chairperson – Northeast Ohio Advisory Board
2001-2008 Northeast Ohio Advisory Board Member
1996-1997 GW Chapter President
- 1995 (Sum.) **Ghana Ministry of Health Volunteer (via Operation Crossroads Africa)**
Spent five weeks in Ghana, West Africa assisting in a village clinic as part of a medical team
- 1993-95 (Sum) **Department of Surgery, Walter Reed Institute of Research**
Student Researcher
- 1991 (Sum.) **United Nations High Commission for Refugees Volunteer**
Spent five weeks at Phanat Nikhom Refugee Camp, Thailand. Introduced aspects of western culture to refugees being relocated in other countries.

PROFESSIONAL MEMBERSHIPS

American Academy of Otolaryngology-Head and Neck Surgery
Fellow of the American College of Surgeons (FACS)
Society of Christian Otolaryngologists-Head and Neck Surgeons
American Head and Neck Society
Academy for Professionalism in Health Care

Updated 8/18