

Gita Natwar Mody, MD, MPH

Name: Gita Natwar Mody, MD, MPH
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 Chapel Hill, NC 27599

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Education and Training**Degrees:**

June 2010 – May 2012 MPH, Clinical Effectiveness, Harvard School of Public Health
 August 2002 – May 2007 MD, Medicine, Washington University School of Medicine (WUSM) in St. Louis
 1998 – 2002 BS, Molecular Biology and Computer Science, Vanderbilt University

Postdoctoral Training:

July 2014 – June 2016 Resident, Cardiothoracic Surgery, Brigham and Women's Hospital
 July 2013 – June 2014 Chief Resident, General Surgery, Brigham and Women's Hospital
 July 2012 – June 2013 Resident, General Surgery, Brigham and Women's Hospital
 July 2010 – June 2012 Research Fellow, Global Health Equity in General Surgery, BWH Center for Surgery and Public Health (CSPH)
 July 2008 – June 2010 Resident, General Surgery, Brigham and Women's Hospital
 June 2007 – June 2008 Intern, General Surgery, Brigham and Women's Hospital

Professional Experience:**Academic:**

July 2021- present Adjunct Assistant Professor, Public Health Leadership Program, The Gillings School of Global Public Health, The University of North Carolina at Chapel Hill
 April 2019 – present Assistant Professor, Tenure Track, Department of Surgery, The University of North Carolina at Chapel Hill
 July 2018 – April 2019 Nominated Clinical Assistant Professor, Department of Surgery, The University of North Carolina at Chapel Hill
 April 2018 – July 2018 Assistant Professor, Department of Global Health and Social Medicine, Harvard Medical School
 November 2017 – July 2018 Assistant Professor, Surgery, Harvard Medical School
 July 2016 – November 2017 Member of the Faculty, Surgery, Harvard Medical School
 June 2007 – June 2016 Clinical Fellow, Surgery, Harvard Medical School

Appointments at Hospitals/Affiliated Institutions:

August 2016 – July 2018 Associate Surgeon, Thoracic Surgery, South Shore Hospital

August 2016 – July 2018 Associate Surgeon, Thoracic Surgery, Brigham and Women’s Hospital

May 2018 – July 2018 Consulting Staff, Surgical Oncology, Dana-Farber Cancer Institute

Other Professional Positions:

2016 – 2018 Faculty Affiliate, Surgery, Program in Global Surgery and Social Change, Department of Global Health and Social Medicine, HMS

2005 – 2006 Visiting Research Scholar, Surgery, Christian Medical College, Vellore, India

Certifications:

2021- present Console Surgeon Training Certificate from da Vinci surgical system (Xi)
 2018 - present North Carolina Medical Board License
 2017 – present American Board of Thoracic Surgery, Board Certified in Thoracic Surgery
 2016 – present American Board of Surgery, Board Certified in General Surgery
 2015 – present Console Surgeon Training Certificate from da Vinci surgical system
 2013 – present Fundamentals of Laparoscopic Skills
 2009 – present Advanced Trauma Life Support
 2010 – 2019 Massachusetts Medical License
 2007, 2013, 2015 Advanced Cardiac Life Support/Basic Life Support

Practice Activities:

2016- 2018 General Thoracic Surgery and Lung Transplantation, Brigham and Women’s Hospital, 80%

2016- 2018 General Thoracic Surgery, South Shore Hospital, 20%

Honors:

2021 Cancer Prevention and Control Research Network Scholars Program
 2021 American College of Surgeons Faculty Research Fellowship Award
 2019 Outstanding Medical Student Teaching by Faculty Award, UNC SOM
 2019 Thoracic Surgery Foundation Research Award
 2017 Junior Research Fellowship Award in Honor of Robert T. Osteen, MD, Brigham and Women’s Hospital
 2016 2016 Commission on Cancer Paper Competition Honorable Mention, The Massachusetts Chapter of the ACS
 2015 Intuitive Surgical Robotics Fellowship
 2013 Fogarty International Clinical Research Scholars & Fellows Alumni Award, National Institutes of Health
 2013 Harvard Medical Student Excellence in Teaching Award 2013, Harvard Medical School
 2013 Women in Thoracic Surgery Conference Travel Scholarship, Women in Thoracic Surgery
 2012 Nominee American Women Surgeons 2012 Hilary Sanfey Outstanding Resident Award, Brigham and Women’s Hospital
 2012 Innovation, Development, Enterprise, Action, & Service Global Challenge Prize Winner, Massachusetts Institute of Technology
 2012 Extreme Affordability: Innovation in Surgical Care Student Scholarship

	Center for Global Surgery, University of Utah School of Medicine
2012	Team Heart Stanley Rawl Travel Award, Team Heart
2011	Leadership Award, Direct Action Research Program
2010	Resident Teaching Award, Tufts University School of Medicine
2010	Arthur Tracy Cabot Fellowship, CSPH
2010	Extramural Loan Repayment Program for Health Disparities Research
2009	Resident Teaching Award, Tufts University School of Medicine
2009	Center of Expertise in Global Health Travel Scholarship, Partners Healthcare
2007	Alpha Omega Alpha, WUSM
2007	Samson F. Wennermen Prize in Surgery, WUSM
2007	Annual Boston Hub Gun Fundamentals in Laparoscopic Skills Competition winner, FLS
2005	Forum for International Health and Tropical Medicine Fellowship, WUSM
2003	Mallinckrodt Institute of Radiology Summer Research Fellowship, WUSM
2002	Keystone Award for Outstanding Extracurricular Involvement, Vanderbilt University
1998	Dean's Select Scholarship, Vanderbilt University
1998	Chancellor's Full Tuition Scholarship, Vanderbilt University

Bibliography

Book Chapters:

1. Rivera P, **Mody GN**, Weiner A. Lung Cancer: Treatment. Murray & Nadel's Textbook of Respiratory Medicine, 7th Edition, copyright Elsevier 2022. ISBN: 9780323655873.
2. Williams BM, O'Hara DN, Mulima G, **Mody GN**. Development of Sustainable Global Thoracic Surgery Programs in LMICs. Cardiac Surgery Capacity Development in Low- and Middle-Income Countries, Springer Nature. 2021.
3. Till B, Saluja S, Raykar N, David S, Menon N, **Mody G**, Gnanaraj J, Afshar S, Roy N. National Surgical Planning, the India Experience. Surgical Care Systems Strengthening. WHO 2017 March. ISBN: 9789241512244. pp 38-41
4. Wall J, **Mody GN**, Riviello R. Burns. In: Meara JG, McClain CD, Mooney JP, Rogers SO Jr. Global Surgery and Anesthesia Manual: Providing Care in Resource-limited Settings. CRC Press, 2014. ISBN: 9781482247305. pp. 477-92.
5. **Mody GN**, Shah S, Riviello R. Infectious Diseases. In: Meara JG, McClain CD, Mooney JP, Rogers SO Jr. Global Surgery and Anesthesia Manual: Providing Care in Resource-limited Settings. CRC Press, 2014. ISBN: 9781482247305. pp. 401-8.

Research Articles (Peer Reviewed):

1. Dezube AR, Hirji S, Shah R, Axtell A, Rodriguez M, Swanson SJ, Jaklitsch MT, **Mody GN**. Pre-COVID-19 National Mortality Trends in Open and Video-Assisted Lobectomy for Non-Small Cell Lung Cancer. *J Surg Res*. 2022 Jan 26;274:213-223. doi: 10.1016/j.jss.2021.12.047. Epub ahead of print. PMID: 35190329.
2. **Mody GN***, Choi B*, Townsend K, Kerwin C, Larios D, Boukedes S, Coppolino A, Singh S, Jin G, Wolfe D, Mallidi H, Goldberg H. Steroid dosing and delirium after lung transplant surgery. *Gen Hosp Psychiatry*. 2022 Feb 2:S0163-8343(22)00017-2. doi: 10.1016/j.genhosppsy.2022.01.009. Epub ahead of print. PMID: 35131114.
3. Buckle GC, Mrema A, Mwachiro M, Ringo Y, Selekwa M, Mulima G, Some FF, Mmbaga BT, **Mody GN**, Zhang L, Paciorek A, Akoko L, Ayuo P, Burgert S, Bukusi E, Charles A, Chepkemoi W, Chesumbai G, Kaimila B, Kenseko A, Kibwana KS, Koech D, Macharia C, Moirana EN, Mushi BP, Mremi A, Mwaiselage J, Mwanga A, Ndumbalo J, Nvakunga G, Ngoma M, Oduor M, Oloo M, Opakas J, Parker R, Seno S, Salima A, Servent F, Wandera A, Westmoreland KD, White RE, Williams B, Mmbaga EJ, Van Loon K; of the African Esophageal Cancer Consortium (AfrECC). Treatment outcomes of esophageal cancer in Eastern Africa: protocol of a multi-center, prospective, observational, open cohort study. *BMC Cancer*. 2022 Jan 19;22(1):82. doi: 10.1186/s12885-021-09124-5. PMID: 35045815; PMCID: PMC8772224.
4. Shah M, Bryant MK, **Mody GN**, Maine RG, Williams JB, Upham TC. The Impact of Vaping on Primary Spontaneous Pneumothorax Outcomes. *The American Surgeon*. October 2021. doi:10.1177/00031348211048849.
5. **Mody GN**, Stover A, Wang M, Kallimanis B, Jansen J, Henson S, Chung A, Jonsson M, Bennett A, Jonsson M, Smith AB, Wood WA, Deal A, Ginos B, Dueck AC, Schrag D, Basch E. Electronic Patient-Reported Outcomes Monitoring during lung cancer chemotherapy: a nested cohort within the PRO-TECT pragmatic trial (AFT-39). *Lung Cancer*. 2021 Sep 30;162:1-8. doi: 10.1016/j.lungcan.2021.09.020. Epub ahead of print. PMID: 34634754.
6. Bui JT, Schranz AJ, Strassle PD, Agala CB, **Mody GN**, Ikonomidis JS, Long JM. Pulmonary complications observed in patients with infective endocarditis with and without injection drug use: An analysis of the National Inpatient Sample. *PLoS One*. 2021 Sep 3;16(9):e0256757. doi: 10.1371/journal.pone.0256757. PMID: 34478475; PMCID: PMC8415585.
7. Williams BM, Herb J, Dawson L, Long J, Haithcock B, **Mody GN**. The Prevalence of Benign Pathology Following Major Pulmonary Resection for Suspected Malignancy. *J Surg Res*. 2021 Aug 23;268:498-506. doi: 10.1016/j.jss.2021.07.005. Epub ahead of print. PMID: 34438191.
8. Shu S, Wong M, Iverson KR, Roa L, Lecca L, Sotomayor A, **Mody GN**. Referral process for surgical management of tuberculosis in Lima: A qualitative study. *J Surg Res*. 2021 Jul 2;267:384-390. doi: 10.1016/j.jss.2021.05.053. Online ahead of print. PMID: 34225051.

9. Stein, JN, Rivera, MP, Weiner, A, Duma, N, Henderson, L, **Mody, G**, Charlot, M. Sociodemographic Disparities in the Management of Advanced Lung Cancer: A Narrative Review. *Journal of Thoracic Disease*. April 2021. doi: 10.21037/jtd-20-3450
10. Iverson KR, Roa L, Shu S, Wong M, Rubenstein S, Zavala P, Caddell L, Graham C, Colina J, Leon SR, Lecca L, **Mody GN**. Quality Improvement to Address Surgical Burden of Disease at a Large Tertiary Public Hospital in Peru. *World J Surg*. 2021 Apr 26. doi: 10.1007/s00268-021-06118-z.
11. Egan TN, Haithcock BE, Lobo J, **Mody G**, Love RB, Requard JJ, Espy J, Ali MH. Donation After Circulatory Death Donors in Lung Transplantation. *Journal of Thoracic Disease*. February 2021. doi: 10.21037/jtd-2021-13
12. Basch E, Stover AM, Schrag D, Chung A, Jansen J, Henson S, Carr P, Ginos B, Deal A, Spears PA, Jonsson M, Bennett AV, **Mody G**, Thanarajasingam G, Rogak LJ, Reeve BB, Snyder C, Kottschade LA, Charlot M, Weiss A, Bruner D, Dueck AC. Clinical Utility and User Perceptions of a Digital System for Electronic Patient-Reported Symptom Monitoring During Routine Cancer Care: Findings From the PRO-TECT Trial. *JCO Clin Cancer Inform*. 2020 Oct;4:947-957. doi: 10.1200/CCI.20.00081. PMID: 33112661.
13. Herb JN, Kindell D, Strassle P, Stitzenberg KB, Haithcock B, **Mody GN**, Long J. Trends and Outcomes in Minimally Invasive Surgery for Locally Advanced Non-Small Cell Lung Cancer with N2 Disease. *Semin Thorac Cardiovasc Surg*. 2020 Sep 24:S1043-0679(20)30281-1. doi: 10.1053/j.semtcvs.2020.09.008. Online ahead of print. PMID: 32979480
14. Herb JN, Dunham LN, **Mody G**, Long JM, Stitzenberg KB. Lung Cancer Surgical Regionalization Disproportionately Worsens Travel Distance for Rural Patients. *J Rural Health*. 2020 Sept;36(4):496-505. Doi: 10.1111/jrh.12440.
15. **Mody GN**, Coppolino A, Singh SK, Mallidi HR. Sternotomy versus thoracotomy lung transplantation: key tips and contemporary results. *Ann Cardiothorac Surg*. 2020;9(1):60–64. doi:10.21037/acs.2020.01.01.
16. Piechura LM, Coppolino A, **Mody GN**, Rinewalt DE, Keshk M, Ogawa M, Seethala R, Bohula EA, Morrow DA, Singh SK, Mallidi HR, Keller SP. Left ventricle unloading strategies in ECMO: A single-center experience. *J Card Surg*. 2020 Jun 2. doi: 10.1111/jocs.14644. Epub 2020 June 2. PMID: 32485030
17. Hirji SA, Shah RM, Fields A, Orhurhu V, Bhulani N, White A, **Mody GN**, Swanson SJ. The Impact of Hospital Size on National Trends and Outcomes Following Open Esophagectomy. *Medicina (Kaunas)*. 2019 Oct 3;55(10):669. doi: 10.3390/medicina55100669.
18. **Mody GN**, Townsend K, Kerwin C, Chavez DL, Boukedes S, Coppolino A, Singh S, Jin G, Wolfe D, Mallidi HR, Goldberg H, . (2019) Steroid Dosing and Delirium after Lung Transplant Surgery. *J Heart Lung Transplant*. 2019 April; 38(4), p S412. <https://doi.org/10.1016/j.healun.2019.01.1049>.
19. Woolley AE, Singh SK, Goldberg HJ, Mallidi HR, Givertz MM, Mehra MR, Coppolino A, Kusztos AE, Johnson ME, Chen K, Haddad EA, Fanikos J, Harrington DP, Camp PC, Baden LR; DONATE HCV Trial

- Team (**Mody G** listed). Heart and Lung Transplants from HCV-Infected Donors to Uninfected Recipients. *N Engl J Med*. 2019 Apr 25;380(17):1606-1617. doi: 10.1056/NEJMoa1812406. Epub 2019 Apr 3.
20. Swain JD, Sinnott C, Breakey S, Hasson Charles R, **Mody G**, Nyirimanzi N,-Bolman C, Come P, Ganza G, Rusingiza E, Ruhamy N, Mucumbitsi J, Borges J, Zammert M, Muehlschlegel JD, Oakes R, Leavitt B, Bolman RM 3rd. Ten-year clinical experience of humanitarian cardiothoracic surgery in Rwanda: Building a platform for ultimate sustainability in a resource-limited setting. *J Thorac Cardiovasc Surg*. 2018 Jun;155(6):2541-2550. doi: 10.1016/j.jtcvs.2017.11.106. Epub 2018 Feb 27.
 21. Maine RG, Linden AF, Riviello R, Kamanzi E, **Mody GN**, Ntakiyiruta G, Kansayisa G, Ntaganda E, Niyonkuru F, Mubiligi JM, Mpunga T, Meara JG, Hedt-Gauthier BL. Prevalence of Untreated Surgical Conditions in Rural Rwanda: A Population-Based Cross-sectional Study in Burera District. *JAMA Surg*. 2017 Dec 20;152(12):e174013. doi: 10.1001/jamasurg.2017.4013. Epub 2017 Dec 20.
 22. Courtwright AM, Burkett P, Divo M, Keller S, Rosas IO, Trindade A, **Mody GN**, Singh SK, El-Chemaly S, Camp PC, Goldberg HJ, Mallidi HR. Posttransplant Lymphoproliferative Disorders in Epstein-Barr Virus Donor Positive/Recipient Negative Lung Transplant Recipients. *Ann Thorac Surg*. 2018 Feb;105(2):441-447. doi: 10.1016/j.athoracsur.2017.09.033. Epub 2017 Dec 7.
 23. Fadayomi AB, Iniguez CEB, Chowdhury R, Coppolino A, Jacobson F, Jaklitsch M, **Mody GN**. Propensity Score Adjusted Comparison of Minimally Invasive versus Open Thymectomy in the Management of Early Stage Thymoma. *Thorac Cardiovasc Surg*. 2018 Jun;66(4):352-358. doi: 10.1055/s-0037-1604205. Epub 2017 Aug 14.
 24. Linden AF, Maine RG, Hedt-Gauthier BL, Kamani E, Gauvey-Kern K, **Mody G**, Ntakiyiruta G, Kansayisa G, Ntaganda E, Niyonkuru F, Mubiligi J, Mpunga T, Meara JG, Riviello R. Validation of a community-based survey assessing nonobstetric surgical conditions in Burera District, Rwanda. *Surgery*. 2016 Apr;159(4):1217-26. doi: 10.1016/j.surg.2015.10.012. Epub 2016 Jan 13.
 25. Zurovcik DR, **Mody GN**, Riviello R, Slocum A. Simplified Negative Pressure Wound Therapy Device for Application in Low-Resource Settings. *J Orthop Trauma*. 2015 Oct;29 Suppl 10:S33-6.
 26. **Mody GN**, Bravo C, Armstrong K, Martinez M, Ferrone M, Bono C, Chi J, Wee J, Lebenthal A, Swanson S, Colson YL, Bueno R, Jaklitsch M. Early Surgical Outcomes of En Bloc Resection Requiring Vertebrectomy for Malignancy Invading the Thoracic Spine. *Ann Thorac Surg*. 2016 Jan;101(1):231-6; discussion 236-7. doi: 10.1016/j.athoracsur.2015.05.113. Epub 2015 Aug 13.
 27. Linden AF, Maine RG, Hedt-Gauthier BL, Emmanuel K, **Mody G**, Ntakiyiruta G, Kansayisa G, Ntaganda E, Niyonkuru F, Mubiligi J, Mpunga T, Meara JG, Riviello R. Epidemiology of untreated non-obstetric surgical condition in Burera district, Rwanda: A cross-sectional survey. *Lancet*. 2015 Apr 27;385 Suppl 2:S9. doi: 10.1016/S0140-6736(15)60804-2. Epub 2015 Apr 26.
 28. **Mody GN**, Zurovcik D, Kansayisa G, Joharifard S, Uwimana G, Mugenzi D, Ntakiyiruta G, Riviello R. Biomechanical and Safety Testing of a Simplified Negative Pressure Wound Therapy Device. *Plast Reconstr Surg*. 2015 Apr;135(4):1140-6. doi: 10.1097/PRS.0000000000001101.

29. **Mody GN**, Taha BW, Mubiligi J, Mpunga T, Riviello R, Hirschhorn L. Utilizing systems-based quality improvement to introduce implementation of the Surgical Safety Checklist in Rwanda. *Rwanda Medical Journal*. 2014;71(1): 9-14.
30. **Mody GN**, Nduaguba A, Ntiringanya F, Riviello R. Characteristics and Presentation of Breast Cancer Patients in Rwanda. *Am J Surg*. 2013 Apr;205(4):409-13. doi: 10.1016/j.amjsurg.2013.01.002 Epub 2013 Jan 31.
31. **Mody GN**, Thomas BP, Santoshi JA, Anderson GA. Carpal Tunnel Syndrome in Indian Patients: use of modified scales for assessment. *J Hand Surg Eur Vol*. 2009 Oct;34(5):671-8. doi: 10.1177/1753193409101469. Epub 2009 Aug 17.
32. **Mody GN**, Nagomy IA, Sulchona D, Perakath B. Blinded, Prospective, Randomized Controlled Trial of Topical Negative Pressure Wound Closure in India. *Ostomy Wound Manage*. 2008 Dec;54(12):36-46.
33. Bae KT, **Mody GN**, Balfe DM, Bhalla S, Gierada DS, Gutierrez FR, Menias CO, Woodard PK, Goo JM, Hildebolt CF. CT depiction of pulmonary emboli: display window settings. *Radiology*. 2005 Aug;236(2):677-84. Epub 2005 Jun 21.

*authors contributed equally

In Press/Submitted Refereed articles :

1. Merlo A, Carlson R, Espey J, Williams BM, Balakrishnan P, Chen S, Dawson L, Johnson D, Brickey J, Pompili C, Mody GN. Quality of Life in Patients undergoing Lung Cancer Surgery: A Systematic Review of the Literature. Submitted *Journal of Symptom and Pain Management*, Jan 2022. 21 pages.

Other Peer Reviewed Articles:

1. Pompili C, Basch E, Velikova G, **Mody GN**. Electronic Patient-Reported Outcomes After Thoracic Surgery: Toward Better Remote Management of Perioperative Symptoms. *Ann Surg Oncol*. 2021 Jan 21:1-2. doi: 10.1245/s10434-020-09519-x.
2. Wilson HK, Arora H, Spencer C, Ward A, Long JM, **Mody GN**. Traumatic Tracheal Disruption Requiring Venovenous Extracorporeal Membranous Oxygenation. *Am Surg*. 2021 Jan 2:3134820982849. doi: 10.1177/0003134820982849. Online ahead of print.
3. Basch E, **Mody GN**, Dueck AC. Electronic Patient-Reported Outcomes as Digital Therapeutics to Improve Cancer Outcomes. *JCO Oncol Pract*. 2020 Jun 2; PubMed PMID: 32484724.

4. **Mody GN**, Mallidi HR. Recipient Airway Bronchoplasty for Donor "Pig Bronchus". *Ann Thorac Surg.* 2020;109(3):e193–e194. doi:10.1016/j.athoracsur.2019.06.100.
5. Coppolino A*, **Mody GN***, Rinewalt D, Polhemus E, Singh SK, Mallidi HR. Sternotomy for lung transplantation: a description of technique. *Ann Cardiothorac Surg.* 2020;9(1):65–67. doi:10.21037/acs.2020.01.05.
6. **Mody GN**, Janko M, Vasudeva V, Chi J, Davidson M, Swanson S. Thoracic Endovascular Aortic Stent Graft to Facilitate Aortic Resection During Pneumonectomy and Vertebrectomy for Locally Invasive Lung Cancer. *Ann Thorac Surg.* 2016 Apr;101(4):1587-9. doi: 10.1016/j.athoracsur.2015.05.131.
7. **Mody GN**, Mutabazi V, Zurovcik DR, Bitega JP, Sabin N, Wagner C, Nutt CT, Binagwaho A. Design, testing, and scale-up of medical devices for global health: non- surgical male circumcision and negative pressure wound therapy in Rwanda. *Global Health.* 2015 May 12;11:20. doi: 10.1186/s12992-015-0101-4.
8. Chao TE, Lo NC, **Mody GN**, Sinha SR. Strategies for last mile implementation of global health technologies. *Lancet Glob Health.* 2014 Sep;2(9):e497-e498. doi: 10.1016/S2214-109X(14)70253-0. Epub 2014 Aug 27.
9. Binagwaho A, Nutt CT, Mutabazi V, Karema C, Nsanzimana S, Gasana M, Drobac PC, Rich ML, Uwaliraye P, Nyemazi JP, Murphy MR, Wagner CM, Makaka A, Ruton H, **Mody GN**, Zurovcik DR, Niconchuk JA, Mugeni C, Ngabo F, Ngirabega Jde D, Asiiimwe A, Farmer PE. Shared learning in an interconnected world: innovations to advance global health equity. *Globalization and Health* 2013;9:37.
10. Petroze RP*, **Mody GN***, Ntaganda E, Calland JF, Riviello R, Rwamasirabo E, Ntakiyiruta G, Kyamanywa P, Kayibanda E. Collaboration in Surgical Capacity Development: a report of the Inaugural Meeting of the Strengthening Rwanda Surgery Initiative. *World J Surg.* 2013 Jul;37(7):1500-5. doi: 10.1007/s00268-012-1769-8.
11. Zurovcik D, Slocum A, **Mody G**, Riviello R, Sheridan R. Development of Simplified Negative Pressure Wound Therapy Device for Low-Resource Settings. 2011 IEEE Global Humanitarian Technology Conference (GHTC) Proceedings. 91-97. ISBN: 978- 0-7695-4595-0. doi:10.1109/GHTC.2011.23
12. **Mody GN**, Tran V, Landman J. BCGosis: Case Report of Intravesicular BCG Causing Upper Tract Granulomas Simulating a Renal Mass Without Evidence of Ipsilateral Vesicoureteral Reflux. *Urology.* 2009 Feb;73(2):444.e9-10. doi: 10.1016/j.urology.2008.02.037. Epub 2008 Apr 2.
13. **Mody GN**, Lau CL, Bhalla S, Picus D, Ritter J, McCardle T, Patterson GA. Mycotic pulmonary artery pseudoaneurysm. *J Thorac Imaging.* 2005 Nov;20(4):310-2.

Other Publications:

Non-peer reviewed scientific or medical scholarship/materials in print or other media:

1. Spears P, **Mody GN**. Patient-Reported Outcomes in Clinical Care: Patient and Physician Perspectives. ASCO daily news, October 28, 2021: <https://dailynews.ascopubs.org/doi/10.1200/ADN.21.200741/full/>
2. **Mody GN**. Commentary: The right fit: If you cannot find it, make it. J Thorac Cardiovasc Surg. 2021 Aug 30:S0022-5223(21)01256-3. doi: 10.1016/j.jtcvs.2021.08.056. Epub ahead of print. PMID: 34556360.
3. **Mody GN**. Commentary: Readmissions after complex general thoracic surgery: Can we catch them before they fall? J Thorac Cardiovasc Surg. 2019 Sep;158(3):943-944. doi: 10.1016/j.jtcvs.2019.04.072. Epub 2019 May 16. J Thorac Cardiovasc Surg. 2019. PMID: 31202445
4. Mallidi HR, **Mody GN**. Lobar lung transplantation: One size fits all. J Thorac Cardiovasc Surg. 2017 Feb;153(2):477-478. doi: 10.1016/j.jtcvs.2016.10.059. Epub 2016 Nov 10.
5. **Mody GN**. Reply: Biomechanical and Safety Testing of a Simplified Negative Pressure Wound Therapy Device. Plast Reconstr Surg. 2016 Feb;137(2):483e-484e. doi: 10.1097/01.prs.0000475806.22844.21.
6. **Mody GN**. Alternative Indicators for Measuring the Impact of Surgical Care Globally: Reply. World J Surg. 2014; 38: 2182.
7. Orgill DP, Zurovcik DR, **Mody GN**. Reply: Alternative Materials In Vacuum-Assisted Closure. Plast Reconstr Surg. 2011;128(6): 785e-786e.
8. Chao TE, **Mody GN**. The impact of intellectual property regulation on global medical technology innovation. BMJ Innovations. 2005;1(2): 49-50. <http://dx.doi.org/10.1136/bmjinnov-2014-000033>

Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings:

National

1. Williams BM, Thomas C, Wang M, Gallaher J, Charles A, **Mody GN**. Implementation of Patient-reported Outcome Collection After Traumatic Injury: An Interim Analysis. Presented by Williams B at the American College of Surgeons Clinical Congress. October 2021.
2. Shu S, Wong M, Iverson K, Roa L, Lecca L, Sotomayor A, **Mody GN**. Referral Process for Surgical Management of Tuberculosis in Lima, Peru: A Qualitative Study, Presented by Shu S at Academic Surgical Congress 2021 Annual Meeting, February 2021.
3. Williams BM, Schlusser C, Perez M, Hill L, Long J, Haithcock, B, Basch E, **Mody GN**. Implementation of an Active Patient-Reported Outcomes Monitoring System for Thoracic Surgery Patients: Preliminary Results, Presented by Williams B at Society of Thoracic Surgeons Annual Meeting, January 2021.
4. Merlo A, Strassle P, Gaber C, **Mody G**. Time to Malignant Pleural Effusion by Cancer Type and Stage At Presentation: An Analysis of the Surveillance, Epidemiology and End Results (SEER)

Medicare Database, Presented by Merlo A at American College of Surgeons Clinical Congress, October 2020.

5. Williams BM, Varela C, Maine RG, **Mody GN**, Charles A. Injury Characteristics and Mortality Outcomes of Patients with Chest Trauma in Malawi, Presented by Williams B at Academic Surgical Congress, February 2020.
6. Iverson KR, Roa L, Shu S, Wong M, Colina J, **Mody G**. Quality Improvement of Surgical Care at a Large Tertiary Public Hospital in Lima, Peru, Presented by Iverson K at Academic Surgical Congress, Orlando. Feb 2020.
7. Rubenstein S, Zavala P, Iverson KR, Roa L, Wong M, Leon S, Lecca L, Colina J, **Mody G**. Reducing expired pre-operative laboratory exams: a public hospital-based quality improvement project in Lima, Peru, Presented by Rubenstein S at Consortium of Universities of Global Health (CUGH) Annual Conference, Chicago,. Mar 2019 (Poster).
8. Ezimora C, Long J, **Mody G**, Kolarczyk L. Anesthetic considerations for biopsy of a large mediastinal mass, Presented by Ezimora C at The Society of Cardiovascular Anesthesiologists 41st Annual Meeting and Workshops; Chicago, IL, May 2019.
9. Hirji SA, Shah R, White A, **Mody G**, Swanson S. Do outcomes following open esophagectomy differ by hospital size? – Implications on high volume surgical centers. Presented by Hirji SA as an oral presentation at *the* 65th Annual Meeting, Mass Chapter of American College of Surgeons, Boston, MA, December 2018
10. Bravo-Iñiguez CE, Kwon N, Jacobson F, Learn P, Jaklitsch MT, **Mody G**. Estimating Incidence of Solitary Pulmonary Nodules: Novel Methods Using Claims Data To Answer Unknown Epidemiological Questions, Presented by Bravo-Iniguez CE at Chest, October 2018.
11. Iverson KR, Roa L, Wong M Wong, Graham C, Zavala P, Lecca L, Leon L, Colina J, **Mody G** Factors Contributing to Wait Times for Surgery at a Large, Public Hospital in Lima, Peru, Presented by Iverson K at American College of Surgeons, Boston. Oct 2018 (Poster).
12. Hirji SA, Shah R, White A, **Mody GN**, Swanson SJ. The Impact of Hospital Size on National Trends and Outcomes Following Open Esophagectomy. Presented by Hirji SA as an oral presentation at the Annual Meeting, AATS International Thoracic Surgical Oncology Summit, New York, NY, October 2018
13. Hirji S, Shah R, Axtell A, Rodriguez, Swanson S, Jaklitsch M, **Mody GN**. The impact of hospital size on national trends and outcomes in open and video-assisted lobectomy for non-small cell lung cancer. Presented by Hirji S as an oral presentation at the 2018 American College of Surgeons Annual Meeting, October 23-25th, Boston, MA.
14. Shah R, Hirji S, Osho A, Swanson S, Steimer D, Jaklitsch M, **Mody GN**. Evaluating the National Impact of Regional Variation in General Thoracic Surgery Resource Utilization: An Analysis of

203,000 Surgeries. Presented by Shah R as an oral presentation at the 2018 American College of Surgeons Annual Meeting, October 23-25th, Boston, MA.

15. Larios D, Hirji S, Leon Morales L, Kerwin C, **Mody GN**. Incidence, Predictors, and Clinical Impact of Venous Thromboembolism On Outcomes and Resource Utilization Following Adult Lung Transplantation. Presented by Larios D as a poster presentation at the 2018 American College of Surgeons Annual Meeting, October 23-25th, Boston, MA.
16. Iverson, KR, Roa, L, Wong M, Graham C, Zavala P, Lecca L, Leon S, Colina J, **Mody GN**. Factors Contributing to Wait Times for Surgery at a Large, Public Hospital in Lima, Peru. Presented by Iverson K as a poster presentation at the 2018 American College of Surgeons Annual Meeting, October 23-25th, Boston, MA.
17. Lee KC, Lilley EJ, Sturgeon D, **Mody G**, Roeland E, Cooper Z. The Impact of Emergency General Surgery on Mortality and Healthcare Utilization in Elderly Patients with Metastatic Cancer. Presented by Lee KC at the 13th Annual Academic Surgical Congress; January 30-February 1, 2018; Jacksonville, FL.
18. Courtwright A, Burkett P, Camp P, Divo M, El-Chemaly S, Keller S, **Mody G**, Rosas I, Singh S, Goldberg H, Mallidi H. (2017) Risk Factors for Post-Transplant Lymphoproliferative Disorders in Epstein-Barr Virus Mismatch Lung Transplant Recipients. Presented by Courtwright A at the American Transplant Congress in Chicago, IL.
19. **Mody GN**, Hanjo, K, Bravo- Iniguez CE, Coppolino A, Armstrong K, Colson Y, Chen A, Jaklitsch MT. (2016) Outcomes of Resection of Superior Sulcus Tumors after high dose Neoadjuvant Radiation Therapy. Massachusetts Chapter of the American College of Surgeons Annual Meeting Boston, MA (Awarded honorable mention from Commission on Cancer).
20. Fadayomi AB, Bravo-Iniguez CE, Chowdhury R, Coppolino A, Jacobson FL, Jaklitsch MT, **Mody GN**. (2016) Comparison of Minimally Invasive versus Open Thymectomy in the Management of Stage I and II Thymoma. Do Patient Characteristics Influence Surgical Approach? Presented by Fadayomi AB at Massachusetts Chapter of the American College of Surgeons Annual Meeting Boston, MA (Awarded poster of distinction).
21. **Mody GN**, Bravo C, Armstrong K, Martinez M, Ferrone M, Bono C, Chi J, Wee J, Lebenthal A, Swanson S, Colson YL, Bueno R, Jaklitsch M. (2015) Early Surgical Outcomes of En Bloc Resection Requiring Vertebrectomy for Malignancy Invading the Thoracic Spine. Presented by Mody G at the Society of Thoracic Surgeons 51st Annual Meeting San Diego, CA.
22. Linden AF, Maine R, Hedt-Gauthier BL, Emmanuel K, **Mody GN**, Ntakiyiruta G, Ntaganda E, Mubiligi J, Meara JG, Riviello R. (2013) A Validated Community-Based Survey to Measure Surgical Epidemiology in Northern Rwanda. Presented by Linden AF at the American College of Surgeons Clinical Congress, Washington, D.C. (Excellence in Research Award Recipient).

23. Metzler IS, **Mody GN**, Hughes CD, Joharifard S, Esselen K, Alkire B, Raman A; Hakizimana D, Karamaga A, Ntakiyiruta G, Meara JG, Riviello R. (2012), Cost Effectiveness of Surgical Care at a District-level Hospital in Rural Rwanda. Presented by Metzler IS at the Extreme Affordability conference, Salt Lake City, Utah. (awarded 2nd place prize)
24. Zurovcik D, **Mody GN**, Kansayisa G, Uwimana G, Mugenzi D, Ntakiyiruta G, Riviello R. (2012) Phase I results of a simplified negative pressure wound therapy device for use in low resource settings. Presented by Mody GN at the Extreme Affordability conference, Salt Lake City, Utah. (awarded 1st place prize).
25. **Mody GN**, Zurovcik D, Matousek A, Eustache J, Riviello R. (2011). Development of Simplified Negative Pressure Wound Therapy Device for Low- Resource Settings/ Presented by Zurovcik D at the IEEE Global Humanitarian Technology Conference Seattle, WA and Selected as one of the “Promising Prototypes of IEEE's Global Humanitarian Technology Conference.”
26. **Mody GN**, Zurovcik D, Matousek A, Eustache J, Riviello R. (2010) Simplified Negative Pressure Wound Therapy in the Disaster Relief Setting. Presented by Matousek A at the Posters of Exceptional Merit Session for the 2010 American College of Surgeons Clinical Congress, Washington, D.C. (awarded Best Scientific Presentation among 1600 submissions October 5, 2010)

International

1. **Mody GN**, Stover AM, Wang M, King-Kallimanis BL, Jansen J, Henson S, Chung AE, Jonsson M, Bennet A, Smith AB, Wood WA, Deal A, Dueck AC, Ginos B, Schrag D, Basch E. Electronic Patient-Reported Outcomes Monitoring during lung cancer chemotherapy: a nested cohort within the PRO-TECT pragmatic trial (AFT-39). Presented by Mody G at International Society of Quality of Life 28th Annual Conference, October 2021.
2. **Mody GN**, Bennett A, Irani M, Kerwin C, Jaklitsch M, Frain L. Geriatric patient experience after thoracic surgery- how to help older patients expect the unexpected, Presented by Mody G at International Society of Quality of Life 27th Annual Conference, October 2020.
3. **Mody GN**, Singh SK, Mallidi HR. (2018) Marginal Donor for a Marginal Patient: Life over Lobe. Presented by Mody GN at the International Society for Heart and Lung Transplantation Conference in Nice, France.
4. Linden AF, Maine R, Hedt-Gauthier BL, Emmanuel K, Gauvey-Kern K, **Mody GN**, Ntakiyiruta G, Kansayisa G, Ntaganda E, Niyonkuru F, Mubiligi J, Mpunga T, Meara JG, Riviello R. (2015) Epidemiology of untreated non-obstetric surgical condition in Burera district, Rwanda: A cross-sectional survey. Presented by Linden AF at the Lancet Commission on Global Surgery Launch Conference, London.

Invited Talks:

Local

- 2021 Patient-centered outcomes research in thoracic oncology, The University of North Carolina at Chapel Hill, Department of Pathology, Chapel Hill, North Carolina, November 11, 2021
- 2021 Quality of Life after Lung Cancer Surgery: translating measurement into improvement, The University of North Carolina at Chapel Hill, Cancer Outcomes Research Program, Chapel Hill, North Carolina, October 26, 2021.
- 2021 Advances in Thoracic Surgical Oncology, Lineberger Comprehensive Cancer Center Research to Practice Lecture Series, Chapel Hill, North Carolina.
- 2019 Quality of Life after Surgery: Measuring, Predicting and Improving Outcomes, The University of North Carolina at Chapel Hill, Department of ENT, September 25, 2019
- 2019 Quality of Life after Surgery: Measuring, Predicting and Improving Outcomes, The University of North Carolina at Chapel Hill, Department of Surgery, March 6, 2019
- 2018 End Stage Lung Disease, The University of North Carolina at Chapel Hill, Department of Anesthesia, October 31, 2018
- 2017 End Stage Lung Disease, Department of Medicine Grand Rounds, Lowell General Hospital, Lowell, MA
- 2017 End Stage Lung Disease, Department of Medicine Grand Rounds, Hartford Hospital, Lowell, MA
- 2016 End Stage Lung Disease, Department of Medicine Grand Rounds, Nashoba Valley Medical Center, Ayer, MA
- 2016 End Stage Lung Disease, Department of Medicine Grand Rounds, Backus Hospital, Norwich, CT
- 2017 Ex Vivo Lung Profusion for Nurses, Brigham and Women's Hospital, Department of Thoracic Surgery, Boston, MA
- 2017 How to be Effective in Global Health Discussion/Panelist, Center of Expertise in Global and Humanitarian Health Boston, MA
- 2017 Benign Lung Conditions III, Brigham and Women's Hospital, Cardiothoracic Surgery Core Curriculum Series Boston, MA
- 2017 Anatomic Lung Resection, Brigham and Women's Hospital – 11th Floor Nurses, Boston, MA
- 2016 Surgery Specialty Panel Discussion / Panelist Harvard Medical School/ Partners Global Health Symposium Boston, MA
- 2015 Wound Care in the Developing World/ Invited Speaker Brigham and Women's Hospital Wound Care Conference Boston, MA

- 2015 Wound Care in the Developing World / Invited speaker Brigham and Women's Hospital/Wound Care Conference, Boston, MA
- 2013 A Global View of Health Technology Innovation/ Grand Rounds Brigham and Women's Hospital, Department of Surgery, Boston, MA
- 2013 A Surgeon's Perspective on Global Health Technology Innovation / Guest Speaker Medical Device & Diagnostics Symposium, New England Chinese Information and Networking Association Cambridge, MA

National

- 2022 Moderator for the 17th Annual Academic Surgical Congress (ASC), Cardiothoracic and Global Surgery, February 4, 2022, Orlando, Florida.
- 2021 Healthcare disparities in the treatment of advanced lung cancer, CTSNet Webinar, October 2021. doi:10.25373/ctsnet.16828315
- 2021 Quality of Life after Cardiothoracic Surgery: Measuring, Predicting, and Improving Outcomes/ WHRE Surgery Residency Grand Rounds, Warren Ohio, September 2021.
- 2020 Moderator for the 16th Annual Academic Surgical Congress, Association for Academic Surgery Orlando, Cardiothoracic Surgery, February 2020.
- 2015 AATS Graham Foundation Surgical Robotics Webinar Online Case Presentations and Technical Review of Robotic Thoracic Cases Beverly, MA
- 2012 International Surgical Research For Residents – Lessons from Fellow Travelers/Faculty Panelist, American College of Physicians 98th Annual Clinical Congress Chicago, IL
- 2011 Research Agenda for Strengthening Surgery in Rwanda / Invited speaker BWH Center for Surgery and Public Health Boston, MA
- 2010 Innovative Surgical Care in Low Income Countries: Wounds as a Model/ Guest Speaker, BWH Center for Surgery and Public Health Boston, MA
- 2004 Display Window Settings for Depiction of Pulmonary Emboli in CT/Oral presentation (selected abstract) Society of Computed Body Tomography Spring Meeting Las Vegas, NV

International

- 2021 Implementation of a Real-time Patient-Reported Outcomes Monitoring System for Thoracic Surgery Patients: Preliminary Results, Putting the Horse before the Cart: Understanding the Needs and Individual Factors Influencing Clinicians' Behaviour to Integrate PROMs in Daily Practice Symposium at the International Society of Quality of Life 28th Annual Conference, Vancouver (virtual).

- 2020 Patient-Reported Outcomes for Improving Quality of Care in Lung Cancer Patients, Oncology Convention, Birmingham, England – cancelled due to COVID.
- 2020 Do we really understand patient reported outcomes (PROs)?: Optimal tools and innovative approaches, European Lung Cancer Congress, Geneva, Switzerland – cancelled due to COVID
- 2013 Country update on Global Initiative for Emergency and Essential Surgical Care activity in Rwanda/Oral Presentation Biennial World Health Organization Global Initiative on Emergency and Essential Surgical Care Port of Spain, Trinidad and Tobago
- 2013 Phase I results of a simplified negative pressure wound therapy device for use in low resource settings/Oral presentation (selected abstract) World Health Organization Global Forum on Medical Devices Geneva, Switzerland
- 2010 Pain Management: Treatment and Care/Grand Rounds Rwinkwavu District Hospital, Rwanda, Africa
- 2010 Management of Burn Injuries/Grand Rounds Butaro District Hospital, Rwanda, Africa
- 2010 Simplified Negative Pressure Wound Therapy: A Novel Method to Treat Wounds/ (Selected Abstract) / Plenary Talk, College of Surgeons from East, South, and Central Africa (COSECSA) Kampala, Uganda

Teaching Activities:

Teaching of Students in Courses:

2017	Introduction to Clinical Medicine	HMS 2 hours per week for 8 weeks 3 students per year
2004	Anatomy Medical Students	WUSM 2 hours per week for 10 weeks 10 students per year

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

- 2021 Lecture on Stage IV lung cancer, UNC Cardiothoracic residents; 1 hour; 6 residents
- 2020 Lecture on Thoracic surgery topics for interventional pulmonary residents; 1 hour; 5 residents
- 2020 Lecture on Thoracic surgery topics for radiation oncology residents; 1 hour; 5 residents
- 2020 Lecture on Disorders of the Pleura I, UNC Cardiothoracic residents; 1 hour; 10 residents
- 2020 Lecture on Endoscopy II, UNC Cardiothoracic residents; 1 hour; 10 residents
- 2020 Lecture on Disorders of the Airway, UNC Cardiothoracic residents; 1 hour; 10 residents
- 2019 Lecture on Neoplasm of the Lung II, UNC Cardiothoracic residents; 1 hour; 10 residents
- 2019 Lecture on Benign Lung Conditions II, UNC Cardiothoracic residents; 1 hour; 10 residents
- 2019 Lecture on Thoracic Disorders, Part 2, UNC junior general surgery residents, 1 hours; 15 residents
- 2018 Lecture on Chest Trauma, UNC Cardiothoracic residents; 1 hours; 10 residents
- 2018 Lecture on Chest Trauma, Kamuzu Central Hospital; 1 hours; 30 medical students
- 2018 Disorders of the Airway II, Brigham and Women's Hospital, Cardiothoracic Surgery Core Curriculum Series, Boston, MA; 1 hour; 10 residents

- 2018 Mock Oral Session Focused on Endoscopy and Disorders of the Airway, Brigham and Women's Hospital, Cardiothoracic Surgery Core Curriculum Series, Boston, MA; 1 hour; 10 residents
- 2018 General Surgery Residency ABSITE Review; BWH; 1 hour; 15 residents
- 2018 End Stage Lung Disease; Beth Israel Deaconess Medical Center Cardiothoracic residents; 1 hour; 6 residents
- 2017 STRATUS: Thoracic Skills; BWH PGY1 Surgery Residents; 2 hour session; 12 residents
- 2011 Obstructive Uropathy; BWH Medical Residents; 1 hour lecture; 20 residents

Graduate Student Lectures (outside UNC):

- 2018 Surgical Workforce and Task Shifting Lecture. Duke Global Health Institute MPH, October 15, 2018.

Medical Student Lectures (UNC):

- 2019-present Thoracic/Lung Lecture, The University of North Carolina at Chapel Hill, October 2, 2020; February 7, 2020; September 13, 2019; February 15, 2019; November 6, 2020; January 29, 2021; July 9, 2021; September 9, 2021; November 19, 2021; January 7, 2022.

Clinical Supervisory and Teaching Responsibilities:

- 2018-present Teaching of UNC medical students/residents/fellows on Cardiothoracic rotations; 2 hours per day; 10 residents per year, 6 students per year

- 2016 – 2018 Teaching of Harvard medical students/residents/fellows on Cardiothoracic rotations; 2 hours per day 6 residents/fellows per year, 2 students per year

- 2014 – 2016 Teaching of medical students/residents/fellows on Cardiothoracic rotations; 8 hours per day; 2 students per year

- 2012- 2014 & 2007- 2010; Teaching of medical students in General Surgery Rotations; 2 hours per day; 4 weeks per year; 4 students per year

Laboratory and Other Research Supervisory and Training Responsibilities:

- | | | |
|----------------|---|-----------------------|
| 2019 – present | Cardiothoracic Surgery Clinical Outcomes Research Experience (CTSCORE) Faculty Director | 4 hours per month |
| 2021 – present | Mentoring of 2 medical students in research | 8 hours per month |
| 2018 – 2020 | Mentoring of 1 medical student in research | 4 hours per month |
| 2017 – 2018 | Mentoring of 2 surgical research fellows and 1 premedical student | 8 hours per month |
| 2016 – 2017 | Mentoring of 2 surgical residents and 1 medical student in the PGSSC/DGHSM on quality improvement research and clinical trial development | 4 hours per month |
| 2011 | Supervision of 2 HMS students in clinical research | 2 hours per day for 8 |

weeks

Project conception and design, data collection, analysis
and presentation

Formally Mentored Medical, Dental and Graduate Students:

- 2021 Katherine Drew Marapese, UNC medical student, via the Remote Student Global Health Award
- 2021 Jillian Thompson, UNC medical student via the Carolina Medical Student Research Program
- 2021 Courtney Thomas, UNC medical student via the Carolina Medical Student Research Program
- 2020 – 2021 Josh Herb, MD, General Surgery Resident, UNC, Determinants of Rural-Urban Differences in Surgical Resection of Early-Stage Non-Small Cell Lung Cancer in North Carolina. I mentored Dr. Herb in a qualitative research project on barriers to lung cancer surgery care.
- 2020 Moshin Shah, UNC medical student, via the Carolina Medical Student Research Program
- 2019 – 2021 Brittney Williams, MD, General Surgery Resident, UNC, UJMT Fogarty Global Health Fellows Program Mentor
Dr. Williams completed a two year post-doctoral fellowship in global health and thoracic surgical clinical outcomes research. I mentored her on projects examining outcomes of esophageal cancer patients in Malawi and lung resection patients in North Carolina.
- 2019 – 2021 Aurelie Merlo, MD, Integrated Cardiothoracic Surgery Resident, UNC.
Dr. Merlo has completed a systematic review on quality of life after lung cancer surgery and a secondary analysis of an administrative data set on pleural effusion management outcomes.
- 2017 – 2018 Dalia Chavez, Harvard Medical Student
Ms. Chavez completed a research year after completing her third year of medical school at HMS. I mentored her as she prepared for a career path in clinical thoracic surgery. Dalia was part of my research group and worked on lung transplant surgery outcomes.
- 2016 – 2018 Katie Iverson, M.D., surgical resident from the University of California Davis, HSPH MPH graduate, research fellow in the DGHSM.
Dr. Iverson completed a HSPH winter term project on exploring the need for surgical quality improvement in Lima, Peru, and a 1-year thesis project on improving wait times for elective and urgent surgical cases for an underserved community outside of Lima.

Other Mentored Trainees and Faculty:

- 2022-2023 Emily Ray, MD, MPH. Dr. Ray is oncology faculty at the University of North Carolina. Emily is studying the Implementation of a risk stratification and targeted supportive care

intervention including patient-reported outcomes for patients with hospital-diagnosed advanced lung cancer through a career development grant from the Lung Cancer Initiative of North Carolina (\$150,000), for which I am the primary mentor.

- 2018 Lina Roa, M.D., obstetrics & gynecology resident at the University of Alberta in Canada. Dr. Roa is a Research Fellow in the Department of Global Health and Social Medicine. Lina is studying clinical and systems improvement in surgery and obstetrics. She is participating as study staff on a research protocol to improve surgical wait times at Sergio Bernalis Hospital in Lima, Peru. I am supervising her leadership of weekly conference calls with the research nurse team in Peru.
- 2017- 2018 Jordan Kazakov M.D./ Cardiothoracic Surgery Resident, Brigham and Women's Hospital, Boston, MA Cardiothoracic Residency Advisor
- 2016- 2018 Brian Till, University of Vermont College of Medicine student Brian is studying systems and process improvement as a visiting graduate student at HMS/GHSM in the PGSSC last year. In my role as his mentor and a PGSSC India country faculty lead, I facilitated his work with the PGSSC/DGHSM while he is living in India.
- 2016- 2018 Simone Sandler, M.D., surgical resident from Alice Springs Hospital in Australia and research associate in the PGSSC/DGHSM, current graduate student at HSPH in the MPH program for 2017-2018.
Dr. Sandler designed a blinded randomized controlled trial on clinical outcomes and cost effectiveness of a novel device to provide "gasless" laparoscopy in rural India under my mentorship.

Formal Teaching of Peers:

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|------|--|--------------------------------------|
| 2019 | Hiatal Hernia | Single presentation
Lumberton, NC |
| 2013 | The Surgical Training Experience Today
Controlled Risk Insurance Company (CRICO)
Harvard Medical Institution | Single presentation
Boston, MA |

Report of Education of Patients and Service to the Community:

- 2018 Surgery Itself, Brigham and Women's Hospital, Lung Transplant Support Group Boston, MA
- 2012 – 2014 Team Heart/Resident Volunteer. Open heart surgical mission to Kigali, Rwanda
- 2012 PLoS Speaking of Medicine Guest Blogger. Contributor to on-line medical blog On issues related to global health and surgery.
- 2010 Hôpital de l'Université d'état d'Haiti in Port-au-Prince/Volunteer (Partners In Health). Member of surgical team providing post-earthquake disaster relief from February 14-22, 2010.

2002 – 2005	Pediatric Outreach Program/Volunteer
2004	WUSM Medical Volunteer Experience to Nicaragua. Medical mission to rural Nicaraguan health camps
2003	City of Joy Project: Medical Outreach Program to Kolkata, India. Medical mission to impoverished residents of urban slums.

Research:**Grants:**

2022 – 2023	Improving Thoracic Surgery Using electronic Patient-Reported Outcomes Caregivers at Carolina Principal Investigator	\$46,012	
2022 – present	Improving Thoracic Surgery Using electronic Patient-Reported Outcomes (ePROs) National Heart, Lung, Blood Institute Principal Investigator	\$1,010,785	75% effort
2021 – present	Improving Thoracic Surgery Using Electronic Patient-Reported Outcomes American College of Surgeons Principal Investigator	\$80,000	50% effort (concurrent)

Completed Grants:

2019 – 2021	Improving Lung Cancer Surgery Using Patient Centered Outcomes Thoracic Surgery Foundation Principal Investigator	\$80,000	15% effort
2019 – 2020	Determinants of Rural-Urban Differences in Surgical Resection for Early Stage Non-Small Cell Lung Cancer in North Carolina. Grant Number- 2KR1191907 Co-PI	\$2,000	2% effort
2017 – 2018	Assessing Patient Risk Factors for Thoracic Surgery, Funded by the BWH Department of Surgery Principal Investigator	\$50,000	10% effort
2017 – 2018	Outcomes of Pulmonary Resection for Patients with Multi-Drug Resistant Tuberculosis Funded by the Junior Fellowship Award in Honor of Robert T. Osteen, MD Principal Investigator	\$30,000	10% effort
2010 – 2012	Innovative Wound Care in Low Income Countries		100% effort

NIH/FIC R24 TW007988 \$ 99,697 Principal Investigator
 The goals of the grant were to determine the need for wound care in Sub-Saharan Africa and study the safety and device performance of a mechanical negative pressure wound therapy device.

Unfunded Projects:

2016 – 2018 Surgical System Quality Improvement at Sergio E. Bernalis Hospital
 Mentee: Katie Iverson

2016 – 2018 Short and mid-term outcomes after lung transplantation

Professional Service:

2021-present	UNC Surgery DEI Committee	UNC
2010 – 2012	Academic Global Surgery Forum	Brigham and Women's Hospital
2010 – 2012	Resident Research Committee	Brigham and Women's Hospital
2008 – 2012	Surgical Innovations Resident Program	Brigham and Women's Hospital
2011	Human Resources for Health Surgical Planning Committee	Harvard Medical School/ DGHSM Medical Center

National:

2022 – present Global Affairs Committee (co-chair) Association for Academic Surgery

2022 – present PRO Task Force The Society of Thoracic Surgeons

2020 – present Program Committee Association for Academic Surgery

2019 – present Workforce on New Technology The Society of Thoracic Surgeons

2019 – 2020 Global Affairs Committee Association for Academic Surgery

2017 – 2020 Workforce on Health, Policy, Reform and Advocacy The Society of Thoracic Surgeons

International:

2020 – present Clinician Priorities Working Group lead ISOQOL

2014 Health Delivery & Management Working Group Lancet Commission on Global Surgery Member

2010 – 2012 Strengthening Rwanda Surgery Steering Committee Strengthening Rwanda Surgery Advising Group
 Co-Founder, Secretary

2010	Surgical Working Group	Partners in Health Boston and Rwanda Surgical Consultant
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Professional Societies:

2020 – present	International Society of Quality of Life (ISOQOL)	Member
2020 – present	CHEST	Member
2018 – present	American College of Surgeons	Fellow
2018 – present	Association for Academic Surgery	Member
2018 – present	International Society for Heart and Lung Transplantation	Member
2014 – present	Society of Thoracic Surgery	Member
2013 – present	Women in Thoracic Surgery	Member
2012 – present	World Health Organization Global Initiative for Emergency and Essential Surgical Care	Member
2007 – present	Association of Women Surgeons	Member
2007 – present	Massachusetts Medical Society	Member
2007 – present	American College of Surgeons	Member
2007 – present	Alpha Omega Alpha	Member
2014 – 2016	Thoracic Surgery Residents Association	Member
2007 – 2016	American Medical Association	Member
2013 – 2015	GIEES Technology Working Group	Rapporteur
2012 – 2013	Institute of Electrical and Electronics Engineers	Student Member
2008 – 2010	Society of American Gastrointestinal Endoscopic Surgeons (SAGES)	Member

Editorial Activities:

Journal of Surgical Oncology	Editorial Board, Thoracic Section
Annals of Surgery	Reviewer
BMC Health Services Research	Reviewer
Journal of Surgical Research	Reviewer
The Journal of Thoracic and Cardiovascular Surgery	Reviewer
The Annals of Thoracic Surgery	Reviewer
World Journal of Surgery	Reviewer
The American Surgeon	Reviewer

Research Statement

My career encompasses direct clinical care, patient-centered research, and teaching in an academic clinical environment. My clinical expertise is in thoracic surgery and primarily includes pulmonary resection and lung transplantation. I have been involved in developing and supporting several innovative clinical programs including extended pulmonary resections for advanced lung cancers, extracorporeal membrane oxygenation and ex-vivo lung perfusion. I have published several papers which exemplify my clinical expertise in these areas (Annals of Thoracic Surgery 2016 on multi-disciplinary surgical approach to extended resections of locally invasive T4 lung cancers; Annals of Thoracic Surgery 2016 on first use of aortic endograft to protect the thoracic descending aorta before left pneumonectomy and vertebrectomy; Annals of Cardiothoracic Surgery on outcomes of sternotomy approach to lung transplantation). In 2016, I received an honorable mention from the American College of Surgeons Commission on Cancer (Massachusetts Chapter) for a report on the clinical outcomes of superior sulcus tumor resection after high-dose neoadjuvant radiation therapy.

I have advanced training in clinical outcomes research including a Master in Public Health degree, which I apply in both domestic and global settings to improve surgical systems of care. My previous work focused on clinical trial design for testing the safety and efficacy of devices adapted for use in low resource settings. As my current clinical work encompasses high-risk surgery for high-risk patients, I have developed a research agenda to optimize outcomes including perioperative quality of life and processes around surgical care. My active clinical trial utilizes novel health technology including electronic patient-reported outcomes software platforms to remotely monitor high-risk surgery patients in the ambulatory setting postoperatively. I will subsequently expand this work to developing mobile medical devices for monitoring and improvement of care in populations in lower resourced settings.

Teaching Statement

Teaching and mentoring medical students and surgical trainees are two of the most rewarding aspects of my career in academic surgery. I won two resident teaching awards (2009, 2010) from Tufts University School of Medicine, in 2013 I won the Harvard Medical School Excellence in Teaching Award, and in 2019 I won the University of North Carolina School of Medicine teaching award. I taught Introduction to Clinical Medicine to second year Harvard Medical Students. I also have mentored two Harvard surgical residents and one Harvard medical student in Quality Improvement research and clinical trial development, one UNC surgical resident in esophageal cancer research, and one UNC surgical resident and UNC Gillings School of Public Health PhD candidate in health disparities research for lung cancer surgery patients. I am the faculty advisor for the Cardiothoracic Surgery Clinical Outcomes Research Experience (CTSCORE) Seminar for undergraduate/medical students and cardiothoracic/general surgery residents and the UNC School of Medicine Cardiothoracic Surgery Student Interest Group (CTSIG). I give standing quarterly lectures to the UNC third year medical students on thoracic surgery topics and consistently receive excellent reviews for individualized teaching on their rotations. I participate in the mock oral boards exams for the UNC general surgery residents biannually. I am a resident mentor for the UNC Department of Surgery and interact regularly with my assigned mentees. The Thoracic Surgery Service has won the teaching award twice (2020, 2021) during my time at UNC. I more recently have mentored a junior faculty member on their own career development award and am committed to mentorship of the next generation of physician-scientists.

Service and Engagement Statement

I have participated in numerous voluntary medical outreach programs and missions to impoverished regions of the world, traveling to Kolkata, India; rural Nicaragua; Kigali, Rwanda, and Port-au-Prince Haiti, and I continue to do outreach in Malawi and Peru. My goal in these efforts is to develop robust academic and professional collaborations with a network of thoracic surgeons in low resource settings to facilitate bidirectional learning and exchange. My UNC trainees are involved in these efforts through research meetings, data analysis, teaching, and writing manuscripts, giving them in-depth exposure to the methods of building sustainable global thoracic surgery programs that few faculty could offer.

DEI statement

I am extremely committed to diversity, equity, and inclusion in my professional academic work. This is manifest in several ways spanning my administrative roles, academic contributions, and teaching responsibilities. First, I serve on the UNC Department of Surgery's Inaugural Diversity Committee. My role is to assist in developing priorities for the committee, including advocating for recruitment of applicants that augment the diversity of the surgical residency class as well as to make and conduct action plans for this year's recruitment. Next, I am the primary research mentor for a surgical trainee who is a member of an underrepresented group in the sciences. Under my mentorship, my trainee has published one first author paper, several middle-authored papers, one book chapter, and made one national presentation on

original research. I have actively sought outside surgeon mentors from underrepresented minority backgrounds to facilitate my trainee's career development. I additionally mentor two underrepresented learners from the undergraduate and medical schools in my standing divisional monthly outcomes research meeting. Next, I have published including through traditional journals and via social media content on the impact of race and other demographic factors on treatment outcomes of lung cancer. My current research is exploring methods to improve minority recruitment to clinical outcomes research studies. Finally, I actively seek to promote diversity, equity, and inclusion both by my role modeling as a minority woman and during my regular teaching of the medical students and residents on rounds and in the clinic. Lung cancer patients from minority backgrounds are differentially affected in their survival and access to treatment. Therefore, I specifically use bedside teaching opportunities to identify disease processes that affect underrepresented groups unequally, including due to social determinants of health. For these reasons, the students routinely recognize me for my humanism and role modeling for patient care.