

The Faculty of Medicine of Harvard University
Curriculum Vitae

Date Prepared: May 28, 2026
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Education:

08/2002 - 05/2006	BS Honors	Cellular and Molecular Biology	Johns Hopkins University (JHU) Baltimore, MD
08/2006 - 05/2011	MD	Medicine	Harvard Medical School (HMS) Boston, MA
08/2009 - 05/2010	MPH	Quantitative Methods	Harvard T.H. Chan School of Public Health (HSPH) Boston, MA

Postdoctoral Training:

08/2011 - 06/2018	Resident	General Surgery	Massachusetts General Hospital (MGH) Boston, MA
07/2014 - 06/2016	Postdoctoral Research Fellow	Safe Surgery Program (Primary Mentor: Dr. Alex B. Haynes)	Ariadne Labs Boston, MA
06/2017 - 06/2018	Administrative Surgery Chief Resident	General Surgery	MGH Boston, MA
09/2017 - 06/2018	Patient Safety, Quality Improvement Chief Resident	General Surgery	MGH Boston, MA
08/2018 - 07/2020	Clinical Fellow	Complex General Surgical Oncology	Dana-Farber Cancer Institute (DFCI), BWH, and MGH Boston, MA

Faculty Academic Appointments:

08/2020 - 04/2021	Member of the Faculty	Surgery	HMS, Boston, MA
05/2021 - Present	Assistant Professor of Surgery	Surgery	HMS, Boston, MA

Appointments at Hospitals/Affiliated Institutions:

07/2014 - 06/2016	Moonlighting Resident	Department of Surgery	MGH, Boston, MA
12/2015 - 06/2016	Moonlighting Resident	Plastic Surgery and Otolaryngology Inpatient Services	BWH, Boston, MA
08/2020 - Present	Associate Surgeon	Department of Surgery Division of Surgical Oncology	BWH, Boston, MA
08/2020 - Present	Staff Surgeon	Medical Oncology, Disease Center of Gastrointestinal Oncology	DFCI GI, Boston, MA

Faculty Membership in Harvard Initiatives, Programs, Centers, and Institutes

08/2020 - Present	Core Faculty	Safe Surgery and Safe Systems, Ariadne Labs	BWH and HSPH
08/2020 - Present	Core Early-Career Faculty	Center for Surgery and Public Health	BWH
01/2025 - Present	Core Faculty in the Surgery Core Clerkship	Principal Clinical Experience	HMS

Other Professional Positions:

08/2018 - 02/2019	Course Lead for Safe Surgery Checklist Implementation	Lifebox Foundation	
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Major Administrative Leadership Positions:**Local**

01/2026 - Present	Interim Commission on Cancer Chair and BWH Liaison Physician	Dana-Farber Brigham Cancer Center Boston, MA	
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Committee Service:

Local

2005 - 2006	American Red Cross Health & Safety Committee	American Red Cross of Central Maryland, Baltimore, MD Volunteer Member
2006	Student Government	HMS, Boston, MA HMS Student Representative
2007 - 2008	HMS Admissions Subcommittee 2	HMS, Boston, MA Student Representative
2013 - 2017	Diversity Committee	MGH, Department of Surgery, Boston, MA Committee Member
2015 - 2017	House Staff Quality and Safety Committee	MGH, Boston, MA Committee Member
2016	General Surgery Resident Committee on Improving the Efficiency of Care for Surgical Patients in the MGH Emergency Department	MGH, Department of Surgery, Boston, MA Committee Leader
2016 - 2017	Resident Research Advisory Committee	MGH, Department of Surgery, Boston, MA Committee Member
2017 - 2020	Center for Diversity and Inclusion, Resident and Fellow Committee	MGH, Boston, MA
	2017 - 2018	Education & Career Development Officer
	2018 - 2019	Vice Chair
	2019 - 2020	Chair
2020 - 2022	Massachusetts General Brigham Inclusion, Diversity, and Equity Alliance	BWH, Boston, MA Faculty Mentor
2022	Endocrine Surgery Candidate Selection Committee	BWH, Department of Surgery, Division of Surgical Oncology, Boston, MA Committee Member
2022	Surgical Oncology Sarcoma/Melanoma Candidate Selection Committee	BWH, Department of Surgery, Division of Surgical Oncology, Boston, MA Committee Member

2023 - Present	Commission on Cancer Committee	Dana-Farber/Brigham and Women's Cancer Center Surgical Representative
2024 - 2025	Department of Surgery Diversity, Equity, and Inclusion Advisory Board	BWH Committee Member
2025 - Present	Online Physician Reputation Management Comment Appeals Committee	Dana-Farber Cancer Institute Committee Member
Regional		
2022 - 2024	Ad-Hoc Inclusive Excellence Work Group (formerly named the Diversity Equity & Inclusion Work Group)	MA Chapter of the American College of Surgeons (ACS) Committee Member
2024 - Present	Ad-Hoc Inclusive Excellence Work Group (formerly named the Diversity Equity & Inclusion Work Group)	MA ACS Work Group Chair
2024 - Present	Advocacy Committee	MA ACS Committee Member
National		
2019 - 2020	Society of Surgical Oncology (SSO) 2020 Local Arrangement Committee	SSO Committee Member
2023 - Present	The Surgical Oncology Pathways to Health Engagement, Representation, and Education (SPHERE)	SSO Committee Member
2024	2026 - Present Outreach and Influence Work Group	Vice Chair SSO Committee Member
2024 - 2025	Finance Committee	Association for Academic Surgery (AAS) Committee Member
2024 - 2025	Program Committee	AAS Committee Member
2025 - Present	Education and Innovation Committee	SSO

2025 - Present	Executive Council	Committee Member AAS Latino Surgical Society (LSS) Representative (voting member)
2025 - Present	Membership Committee	AAS Committee Member

International

2019 - 2020	Checklist Implementation Strategies Working Group	Lifebox Working Group Member
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Professional Societies

2011 - 2020	Massachusetts Medical Society	
2013 - Present	American College of Surgeons	
	2013 - 2020	Resident/Fellow Member
	2020 - 2022	Associate Fellow Member
	2022 - Present	Fellow of the American College of Surgeons (FACS)
2013 - Present	Association of Academic Surgery	
	2013 - 2017	Candidate Member
2015 - 2018	American Society of Colon and Rectal Surgeons	
		Candidate Member
2015 - 2018	Society of American Gastrointestinal and Endoscopic Surgeons	
		Candidate Member
2015 - Present	Surgical Outcomes Club	
	2015 - 2020	Trainee Member
	2020 - Present	Faculty Member
2019 - 2023	American Society of Clinical Oncology	
	2019 - 2020	Fellow Member
2019 - Present	Latino Surgical Society	
	2023 - 2024	Faculty Advisor for the 'Inside the Operating Room' series
	2024 - Present	Faculty Lead - Surgical Oncology Interest Group
	2024 - 2025	Outreach Chair
2019 - Present	Society of Surgical Oncology	
	2019 - 2020	Fellow Member

2020 - 2022	Academy Health
2020 - Present	Massachusetts Chapter of the American College of Surgeons
2021 - Present	The Society for Surgery of the Alimentary Tract (SSAT)

Editorial Activities:

- **Ad hoc Reviewer**

- Annals of Surgery*
- Annals of Surgery Open*
- Annals of Surgical Oncology*
- BMC Health Services Research*
- British Medical Journal*
- International Health*
- JAMA*
- JAMA Network Open*
- Journal of Pancreatology*
- Journal of the American College of Surgeons*
- Langebeck's Archives of Surgery*
- PLOS One*
- Surgery*
- Surgical Oncology Insight*
- The Oncologist*
- World Journal of Surgical Oncology*

- **Other Editorial Roles**

2020 - Present	Editorial Advisory Board	The American Journal of Surgery
04/2025 - Present	Editorial Board Member, Hepatobiliary Tumors Section	Annals of Surgical Oncology

Honors and Prizes:

2002 - 2006	Dean's List	JHU
2003	American Red Cross Health and Safety Services Volunteer of the Year	American Red Cross of Central Maryland
2004	Howard Hughes Medical Institute Fellowship	Johns Hopkins Medicine
2006	Phi Beta Kappa	JHU

2006	General University Honors in Major	JHU	
2006	Pre-Matriculation Summer Research Program Fellowship	HMS	
2010	Harvard Medical School Traveling Fellowship	HMS	Travel fellowship to evaluate surgical care in El Salvador using the World Health Organization Surgical Vital Statistics.
2011	Charles Janeway Prize for International Research/Service	HMS	Awarded to the best student poster in international research or service at the Soma Weiss Student Research Day at Harvard Medical School.
2011	Jane & Paul Friedmann, M.D. '59 Surgery Prize	HMS	Awarded to the graduating medical student who demonstrated exceptional promise for leadership, education, and research in the field of surgery.
2014 - 2016	Claude E. Welch Research Fellowship	MGH, Department of Surgery	Supported my postdoctoral research fellowship at Ariadne Labs.
2019	Selected participant in the Multi-Center Initiative on Fostering the Next Generation of Pancreatic Surgeons in Nanjing, China	MGH	
2019	Michael Goldstein Clinical Vignette Poster Competition, First Place	Massachusetts Society of Clinical Oncologists	
2020	Selected participant to serve in the Internal Review Committee for the Brigham and Women's Hospital Sleep Medicine Multidisciplinary program	BWH	

2021 - 2025	Minority Faculty Career Development Award	BWH, Center for Diversity and Inclusion	Award to support my career development at BWH.
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Report of Funded and Unfunded Projects

Past

2020	<p>Addressing Resource Needs in Health Care Systems' COVID-19 Response Argosy Foundation Co-Investigator (Asaf Bitton)</p> <p>The aim of this project was to aid health care systems in addressing the challenges of resource management requirements at a point of critical need (e.g., infectious epidemic or pandemic) and focused on three specific areas: 1) redeployment of human resources for COVID-19 frontline needs, 2) rapid onboarding of redeployed clinicians, and 3) post-COVID-19 surgical triage.</p>
07/2021 - 06/2022	<p>Surgical Coaching for Operative Performance Enhancement (SCOPE) CRICO Co-Investigator (Douglas S. Smink)</p> <p>The aim of this work is to advance surgical coaching at CRICO-insured hospitals. The specific aims include 1) To measure feasibility and utility of intraoperative 360 feedback surveys for surgeons engaged in the SCOPE program, and 2) Develop performance metrics for analysis of multiport intraoperative data.</p>
10/2021 - 09/2023	<p>Identifying factors associated with variation in surgical treatment of colorectal liver metastasis Harvard Catalyst The Harvard Clinical and Translational Science Center (NCATS, NIH) PI – Direct Costs – 50% salary support (George Molina) (\$209,134)</p> <p>The KL2 CMeRIT training award allowed me to get training in how to use the National Cancer Institute (NCI) Surveillance, Epidemiology, and End Results Program (SEER) database, perform spatiotemporal analysis, and use natural language processing that leveraged machine learning to extract granular data from the electronic health record system. These skills are invaluable as I evaluate factors associated with variation in surgical treatment of colorectal liver metastasis.</p>
07/2022 - 12/2025	<p>Illuminating the OR: From individual coaching to video review of surgical team performance CRICO Co-I (Co-PIs: Douglas S. Smink and Aalok Agarwala)</p> <p>Implementation of the OR Black Box at Brigham and Women's Faulkner Hospital. Additionally, using deidentified data from OR Black Boxes from North America to understand how team performance in using a surgical safety checklist.</p>
07/2023 - 06/2025	<p>Improving Survival among Patients with Colorectal Liver Metastasis by Using a Regional and Hospital System-level Approach to Improve Equitable access to Liver Surgery Office for Diversity Inclusion and Community Partnership (DICP) Faculty Fellowship</p>

PI (George Molina) (\$90,896)

The overall objective of this work was to determine modifiable regional and hospital system-level drivers of variation in access to liver surgery for colorectal liver metastasis (CRLM) by characterizing these drivers for a group of complex gastrointestinal cancers (CRLM, pancreatic cancer, and gastric cancer). The central hypothesis was that a regional and hospital system-level understanding is needed to address variation in resources and systems and thus improve survival for patients with CRLM. The following specific aim was accomplished:
Characterize the source and uncover the pattern of variation in surgical treatment for this group of cancers across health service areas in the US.

01/2024 - 07/2024

Determine differences in treatment patterns between women and men for gastrointestinal cancers

Military Health System EPIC Restoral Funds

Faculty Lead (Zara Cooper, MD, and Joel Weissman, PhD)

Using the claims data from the Military Health Services Data Repository (TRICARE Database), the following aims are being studied: 1) Determine differences in odds of undergoing neoadjuvant therapy followed by surgical resection for pancreatic cancer and gastric cancer between women and men; and 2) Determine difference in odds of undergoing liver surgical resection for colorectal liver metastasis between women and men.

01/2024 - 07/2024

Determine low-value imaging in the diagnosis and surveillance of patients with pancreatic ductal adenocarcinoma (PDAC)

Military Health System EPIC Restoral Funds

Faculty Lead (Zara Cooper, MD, and Joel Weissman, PhD)

Using the claims data from the Military Health Services Data Repository (TRICARE Database), the following aims are being studied: 1) Determine if diagnostic/pretreatment multimodality imaging with MRI or PET-CT scan is associated with changing treatment plans for patients with PDAC; 2) Determine if surveillance CT-scans which are performed more frequently than 6 months following completion of treatment are associated with higher overall survival or recurrence-free survival.

Current

10/2025 - 10/2027

Economics of Cancer Care

American Society for Radiation Oncology

Co-investigator (Nancy Keating)

This proposal aims to explore critical aspects of oncology care economics, focusing on an in-depth analysis of health care spending and utilization for individuals with cancer as well as assessments of use of various cancer treatments, clinical outcomes, and opportunities for high-value care.

Unfunded Current Projects

2025 - Present

Adjuvant chemotherapy in pancreatic ductal adenocarcinoma patients after pathologic complete response to neoadjuvant treatment: Necessary of overtreatment? An insight from NCDB

PI

This study aimed to evaluate the benefit of adjuvant chemotherapy in patients

with pancreatic ductal adenocarcinoma who achieve a pathologic complete response after neoadjuvant treatment using the National Cancer Database.

2025 - Present

Association of Hospital Quality and Social Determinants of Health with Short-Term Surgical Outcomes Among Medicare Beneficiary Patients Undergoing Elective Cancer Surgery

PI

The purpose of this project is to assess if the association between Social Determinants of Health (SDoH) and short-term surgical outcomes (30-day mortality and readmission) persist after controlling for the quality of the treating hospital among Medicare patients who underwent elective cancer surgery between 2016-2018.

2025 - Present

Targeted trial emulation of overall survival outcomes following neoadjuvant multiagent chemotherapy plus surgery versus upfront surgery plus multiagent adjuvant chemotherapy in patients with resectable pancreatic ductal adenocarcinoma

PI

To emulate a randomized trial using the National Cancer Database and estimating the per-protocol effect of neoadjuvant chemotherapy followed by surgery and then adjuvant chemotherapy versus upfront surgery followed by adjuvant chemotherapy on overall survival among patients with resectable pancreatic ductal adenocarcinoma. Target trial emulation (TTE) in a large observational database provides an opportunity to overcome the inherent challenges of being unable to account for treatment intent.

2025 - Present

Impact of neoadjuvant radiation therapy on postoperative margin status, local recurrence, and local recurrence free survival among patients with pancreatic ductal adenocarcinoma at a high-volume cancer center

PI

The purpose of this project is to evaluate the association between neoadjuvant radiation and margin status and local recurrence among patients with pancreatic ductal adenocarcinoma of the head of the pancreas who underwent curative-intent surgery at a high-volume cancer center.

2025 - Present

Impact of institutional radiotherapy patient volume on postoperative and oncologic outcomes after neoadjuvant radiation therapy for pancreatic ductal adenocarcinoma

PI

The purpose of this project is to measure the impact of institutional neoadjuvant radiation therapy volume on postoperative and oncologic outcomes after neoadjuvant radiation therapy and surgical resection for pancreatic cancer.

Report of Local Teaching and Training

Teaching of Students in Courses:

07/2019

Liver Anatomy and Surgery

MGH, Boston, MA

Primary Clinical Experience for Medical

1 hour

Students, Surgery Didactics

01/2021 - 03/2021	Introduction to Clinical Medicine (IN710M.23 / HST 200) Second-year HMS students	HMS, Boston, MA 16 hours
01/2024	Advanced Clinical Anatomy (AT501) Third-year HMS students	HMS, Boston, MA 4 hours
03/2024	HMS Committee on Honors and Awards: 2024 Honor Process Faculty Examiner, Honors exam for Sana Batool	HMS, Boston, MA 1.5 hours
03/2024 - 04/2026	Primary Clinical Experience Didactic Lecture - Pancreas HMS students completing clinical clerkship in general surgery at BWH	BWH, Boston, MA 8 hour (8 lectures)

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

2021 - 2022	HPB Cases General Surgery Residents	BWH, Boston, MA 3 hours
06/2023	Mock Hepatobiliary Orals General Surgery Residents and Complex General Surgical Oncology Fellows	BWH, Boston, MA 30 minutes
09/2023	Management of Benign Liver Tumors General Surgery Residents and Complex General Surgical Oncology Fellows	BWH, Boston, MA 30 minutes
11/2023	Pancreatic Tumors General Surgery Residents	BWH, Boston, MA 1 hour
07/2024	Core Curriculum: Pancreatic Resections General Surgery Residents	BWH, Boston, MA 1 hour
08/2025	Core Curriculum: Bile Duct Cancer General Surgery Residents	BWH, Boston, MA 1 hour
11/2025	Surgical Oncology Teaching Conference: Surgery Indications for Asymptomatic Non-Malignant HPB Diseases Medical Students, General Surgery Residents, and Complex General Surgical Oncology Fellows	BWH, Boston, MA 30 minutes
11/2025	Surgical Oncology Teaching Conference: Management of Benign Liver Tumors Medical Students, General Surgery Residents, and Complex General Surgical Oncology Fellows	BWH, Boston, MA 30 minutes

Clinical Supervisory and Training Responsibilities:

2011 - 2014	Resident-As-Teacher	Newton-Wellesley Hospital (NWH), Boston, MA
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	Clinical teaching to 3rd year medical students from Tufts Medical School on their general surgery rotation.	20 hours per week, 4 weeks per year
2011 - 2018	Resident-As-Teacher Clinical teaching to 3rd and 4th year medical students from HMS and visiting students on their general surgery rotations.	MGH, Boston, MA 20 hours per week, 44 weeks per year
2014 - 2015	Jackson House Resident Advisor Third year medical students from HMS.	MGH, Boston, MA 9 hours per year
2017	Resident-As-Teacher Clinical teaching to 3rd year medical students from Tufts Medical School on their general surgery rotation.	NWH, Boston, MA 20 hours per week, 3 weeks
2018 - 2020	Fellow-As-Teacher Clinical teaching to 2nd and 4th year medical students from HMS and visiting students on their surgical oncology rotations.	BWH and MGH, Boston, MA 2.5 hours per week, 28 weeks per year
2020 - Present	Attending Physician Supervision Clinical supervision of fellows, residents, and medical students as they are rotating through surgical oncology at BWH.	BWH, Boston, MA Average 4 hours per week, 48 weeks per year

Formally Mentored Harvard Students (Medical, Dental, Graduate, and Undergraduate):

08/2025 - Present	Mario OConnor Cordova, MD / MPH Candidate, HSPH, MA I am currently serving as Dr. OConnor's mentor for his practicum, which focuses on conducting targeted trial emulations using large national databases.
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Other Mentored Trainees and Faculty:

2015 - 2020	Evelyn Martin Serrano, MD / General Surgeon, Universidad de Ciencias Medicas de La Habana, Cuba Dr. Serrano was a general surgery resident, and I mentored her on her research thesis that was accepted for publication in a peer-reviewed academic journal, "Evaluation of the perceptions of safety of surgical practice at a tertiary academic trauma hospital in Havana, Cuba" (Panam J Trauma Crit Care Emerg Surg 2020).
2020 - 2021	Alexander J. Ordoobadi, MD / General Surgery Categorical Resident, BWH, HMS, Boston, MA Dr. Ordoobadi is a categorical intern, and I was his assigned faculty advisor in the BWH, General Surgery Residency, Mentorship Program. We met on average once every month to discuss his progress in residency.
2020 - 2022	Annabelle Jones, MD / General Surgery Categorical Resident, BWH, HMS, Boston, MA Dr. Jones is a categorical resident, and I mentored her on a research project titled "Association between hospital volume of liver surgery and access to metastasectomy for colorectal liver metastases." The abstract was presented at the

Americas Hepato-Pancreato-Biliary Association Annual Meeting and was subsequently published in peer-reviewed journal. We met about once a month to review progress on the project and writing of the manuscript.

05/2021 - 08/2021

Zoey Kaelberer / Medical Student, New York University

Zoey Kaelberer was an undergraduate student at Brigham Young University. I served as her research mentor during a summer research internship that was funded by Brigham Young University Summer Premedical Research Internship. She worked on multiple projects. She led a project that was published in a peer-reviewed journal and was titled, "Medicaid expansion and surgery for HPB/GI cancers: NCDB difference -in-difference analysis." She was also instrumental in several other projects that were subsequently published in peer-reviewed journals.

2021 - 2022

Alexandra Bercow, MD / Fellow in Gynecology Oncology, Massachusetts General Hospital, Boston, MA and Research Fellow in the Center for Surgery and Public Health, Boston, MA

Dr. Bercow was a clinical fellow in Gynecology Oncology at Massachusetts General Hospital who was doing a year of research at CSPH at BWH. Her research focused on overtreatment of gynecologic cancer patients and national trends in access to guideline-concordant care. I served as a co-mentor with Dr. Christina Minami (BWH). She published two manuscripts in peer-reviewed journals.

2021 - 2022

Brittany L. Powell, MD / General Surgery Categorical Resident, BWH, HMS, Boston, MA

Dr. Powell was a categorical second year resident, and I mentored her on a research project titled "Association between likelihood of undergoing liver metastasectomy and seeking care at more than one Commission on Cancer hospital for colorectal liver metastasis." The abstract was presented at the New England Surgical Society Annual Meeting and subsequently published in a peer-reviewed journal. We met about once a month to review progress on the project and writing of the manuscript.

06/2022 - 08/2023

Mandisa Bailey / Undergraduate Student, Amherst College

Undergraduate student participating in the BWH Summer Training in Academic Research and Scholarship (STARS) Program. I was her research mentor over the course of 8 weeks and following the completion of the program. We worked on multiple projects. She wrote a first author perspective that was published in Annals of Surgery and titled, "Lessons from Social Psychology to Improve the Implementation and Use of the Surgical Safety Checklist in the Operating Room."

07/2022 - 06/2023

Max Riley, MD / General Surgery Categorical Resident, BWH, HMS, Boston, MA

Dr. Riley was a categorical resident who was completing a 2-year professional development period. I mentored him on a research project that was published in a peer-reviewed journal. The title of the manuscript was, "Remote Assessment of Real-World Surgical Safety Checklist Performance Using the OR Black Box: A Multi-Institutional Evaluation."

2022 - 2023

Megan L. Sulciner, MD / General Surgery Categorical Resident, BWH, HMS, Boston, MA

Dr. Sulciner is a categorical resident who was completing a 2-year professional development period. I mentored her on research projects focused on downstaging of pancreatic ductal adenocarcinoma after neoadjuvant therapy. She was the first

author in a peer-reviewed publication title, "Impact of Tumor Response After Neoadjuvant Treatment on Overall Survival Among Patients With Pancreatic Ductal Adenocarcinoma: National Cancer Database Analysis."

02/2023 - 08/2023

Anne Pannekoek, BS / Medical Student, VUmc School of Medical Sciences, Amsterdam, NL

Dr. Pannekoek was a medical student completing a 6-month research fellowship under my mentorship at CSPH, in the Department of Surgery, BWH. She contributed to multiple research projects and led a project titled "Cross-Specialty Impact in the Adoption of Minimally Invasive Surgery in Abdominal Surgical Oncology at the Hospital Level." This was published a peer-reviewed journal. She learned how to conduct health services research, how to use SAS in performing data analysis, and drafting and completing a manuscript for peer-review. She also led another project that led to a peer-review publication titled, "Distance Traveled by Colorectal Liver Metastasis Patients to the Nearest Cancer Hospital To Receive Liver Metastasectomy."

06/2023 - 07/2023

Lashawn Pena, BA, MA / Medical Student, SUNY Downstate Health Science University

Lashawn Pena was participating in the Visiting Research Internship Program (VRIP) at HMS. This is a summer research program designed to support medical students develop their interests in research and health-related careers. Under my supervision and mentorship, he worked on exploring the outcomes of patients undergoing pancreatic surgery for pancreatic ductal adenocarcinoma at BWH.

09/2024 - 02/2025

Mats D. Teeken / Researcher, Arts-onderzoeker Dutch Pancreatic Cancer Audit (DPCA) - DICA, Leiden, NL

Mats Teeken was a medical student completing a 6-month research fellowship under my mentorship at CSPH, in the Department of Surgery, BWH. He contributed to multiple research projects and led a project titled "Regional variability in curative-intent surgical treatment among Medicare beneficiaries with potentially curable gastric cancer." He learned how to conduct health services research, how to use SAS in performing data analysis, and drafting and completing a manuscript for peer-review.

09/2024 - Present

Abolfazl Salari, MD / Research Fellow, CSPH, BWH, Boston, MA

Abolfazl Salari is a physician who is currently completing a w-year research fellowship under my mentorship at CSPH, in the Department of Surgery, BWH. He is contributing to multiple research projects and is leading a project titled "Association of Hospital Quality and Social Determinants of Health with Short-Term Surgical Outcomes Among Medicare Beneficiary Patients Undergoing Elective Cancer Surgery." He is learning how to conduct health services research, how to use SAS in performing data analysis, and drafting and completing manuscripts for peer-review.

10/2024 - 03/2025

Maite N.E. Liem / Medical Student, Radboud University, Faculty of Medical Sciences, Amsterdam, NL

Maite Liem was a medical student completing a 6-month research fellowship under my mentorship at CSPH, in the Department of Surgery, BWH. She contributed to multiple research projects and led a project titled "Geospatial Variation in the Treatment of Medicare Beneficiary Pancreatic Cancer Patients: A SEER-Medicare Cohort Study," which was published in a peer-review journal. She learned how to conduct health services research, how to use SAS in

performing data analysis, and drafting and completing manuscripts for peer-review.

02/2025 - 06/2025 Jingpu Wang, MD, PhD / Research Fellow, CSPH, BWH, Boston, MA
 Jingpu Wang is a physician-scientist who completed a 4-month research fellowship under my mentorship at CSPH, in the Department of Surgery, BWH. He contributed to multiple research projects and led a project titled "A Modified pN⁺ Staging System Incorporating Lymph Node Yield for Gastric Adenocarcinoma Patients Undergoing Gastrectomy." He has advanced skills in data analysis and learned how to work with large datasets.

08/2025 - Present Chukwuma N. Eruchalu, MD / Research Fellow, CSPH, BWH, Boston, MA
 Dr. Eruchalu is a general surgery resident who is currently in his 2 years of professional development. I am serving as a co-mentor with Dr. Gezzer Ortega. He is currently working on investigating disparities in receipt of curative-intent surgery for patients with localized pancreatic cancer by identifying provider-, hospital-, and system-level factors (e.g., surgeon experience, hospital volume, and cancer-center designation) that are associated with differences in oncologic surgical utilization.

08/2025 - Present Emily E. Witt, MD / Research Fellow, CSPH, BWH, Boston, MA
 Dr. Witt is a general surgery resident who is currently in her 2 years of professional development. I am serving as a co-mentor with Dr. Gezzer Ortega. The title of her current work is, "Elucidating Institutional Variation in Multidisciplinary Care of Patients with Metastatic Colorectal Cancer." In the proposed project, we aim to characterize the availability and implementation of multidisciplinary care for patients with metastatic CRC. Drawing on implementation science frameworks, we will conduct in-depth qualitative investigations at several local and national cancer centers to understand the facilitators and barriers of multidisciplinary care for advanced CRC. The results of this research will help to inform targeted interventions that can promote the development and optimization of multidisciplinary care pathways for these patients.

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

No presentations below were sponsored by 3rd parties/outside entities.

Those presentations below sponsored by outside entities are so noted and the sponsor(s) is (are) identified.

2011	Weekly MGH Pancreas Surgery Teaching Pancreas Rounds MGH	2 hours (2 presentations) Boston, MA
2012	Prevention of Post-Operative Infection MGH Surgery Intern Boot Camp Didactics MGH	0.5 hour Boston, MA
2013	Pressor Management MGH Surgery Intern Boot Camp Didactics	0.5 hour Boston, MA

	MGH	
2014	Distal Intestinal Obstruction Due to Cystic Fibrosis MGH Transplant Surgery Dr. Paul S. Russell Rounds	0.5 hour Boston, MA
	MGH	
2014	Penetrating Trauma NWH Tufts Medical Student Didactics	0.5 hour Newton-Wellesly, MA
	NWH	
2016	Associating liver partition and portal vein ligation for staged hepatectomy (ALPPS) MGH Visiting Professor Case Presentation	0.5 hour Boston, MA
	MGH	
2016	Retroperitoneal Sarcoma MGH Visiting Professor Case Presentation	0.5 hour Boston, MA
	MGH	
2016	Thoracic Surgery Didactics Thoracic Surgery Weekly Didactics	0.5 hour Boston, MA
	MGH	
2017	Thoracic Surgery Didactics Thoracic Surgery Weekly Didactics	0.5 hour Boston, MA
	MGH	
2017	Understanding Teamwork and the Culture of Safety: A Surgery Perspective, Noon Medicine Conference Grand Rounds	1 hour Newton-Wellesly, MA
	NWH	
2018	Repeat Readmissions Following Elective Pancreatectomy BWH Visiting Professor Research Presentation	0.5 hour Boston, MA
	BWH	
2018	Unresectable Intrahepatic Cholangiocarcinoma MGH Visiting Professor Case Presentation	0.5 hour Boston, MA
	MGH	
2019	Total Neoadjuvant Therapy for Gastric Cancer	0.5 hour Boston, MA

MGH Visiting Professor Case
Presentation

MGH

2019 Improving Teamwork in the Operating Room: Lessons on Fostering a Culture of Surgical Safety 0.5 hour
Boston, MA
BWH Visiting Professor Research
Presentation

BWH

2020 Multi-Institutional, Multi-Disciplinary Surgical Oncology Weekly Journal Club 1 hour
Boston, MA
Complex General Surgical Oncology
Journal Club

BWH, MGH, DFCI

Local Invited Presentations:

No presentations below were sponsored by 3rd parties/outside entities

Those presentations below sponsored by outside entities are so noted and the sponsor(s) is (are) identified.

2015 The Relationship Between Cesarean Delivery Rate and Maternal and Neonatal Mortality
Ariadne Labs Team Meeting, Ariadne Labs, Boston, MA

2016 Understanding Teamwork in the Surgical Theater: Lessons on Fostering a Culture of Surgical Safety / Final Talk
Ariadne Labs, Boston, MA

2016 The Unique and Variable Relationship Between a Mentor and a Mentee
The HMS and DFCI Pre-Matriculation Summer Program, HMS, Boston, MA

2017 Understanding Teamwork in the Operating Room: Does the Culture of Surgical Safety Matter? / Grand Rounds
Department of Surgery, MGH, Boston, MA

2018 The Unique and Variable Relationship Between a Mentor and a Mentee
The HMS and DFCI Pre-Matriculation Summer Program, HMS, Boston, MA

2019 Improving Teamwork in the Operating Room: Lessons on Fostering a Culture of Surgical Safety
Ariadne Labs, Boston, MA

2019 Speaking Panel on Choosing a Career in a Subspecialty in Medicine and Surgery
Latino Medical Student Association Panel, HMS, Boston, MA

2019 Seeking a Mentor and Being a Mentee
The HMS and DFCI Pre-Matriculation Summer Program, HMS, Boston, MA

2020 Speaking Panel on Surgeon Lifestyle: A Day in the Life of a Surgeon
The John Warren Surgical Society, HMS, Boston, MA

2021 Improving Access to Surgical Treatment of Colorectal Liver Metastasis / Weekly Works in Progress
Center for Surgery and Public Health, BWH, Boston, MA

2021 Improving Access to Surgical Treatment of Colorectal Liver Metastasis
Clinical & Translational Epidemiology Unit Research Seminar, MGH, Boston, MA

07/2022 Cancer Surgery / Talk to summer medical students
HMS, Poussaint Pre-Matriculation Summer Program, Boston, MA (Co-Sponsored by the DFCI and HMS)

2022 Summer Internships: Program Panel Presentation – Safe Surgery & Safe Systems Overview
Ariadne Labs, Boston, MA

2022 Improving Teamwork in the Operating Room: Lessons on Fostering a Culture of Surgical Safety / Grand Rounds
Department of Surgery, Saint Elizabeth’s Medical Center, Boston University School of Medicine, Boston, MA

07/2023 Cancer Surgery / Talk to summer medical students
HMS, Poussaint Pre-Matriculation Summer Program, Boston, MA (Co-Sponsored by the DFCI and HMS)

11/2023 Improving Access to Surgical Treatment of Colorectal Liver Metastasis – An Update / Weekly Works in Progress
CSPH, BWH, Boston, MA

07/2024 Cancer Surgery / Talk to summer medical students
HMS, Poussaint Pre-Matriculation Summer Program, Boston, MA (Co-Sponsored by the DFCI and HMS)

07/2024 The Unique and Variable Relationship Between a Mentor and a Mentee / Talk to CSPH Research Fellows
CSPH, BWH, Boston, MA

05/2025 Improving Survival Among Patients with Colorectal Liver Metastasis by Using a Regional and Hospital System-Level Approach to Improve Equitable Access to Liver Surgery / Faculty Fellow's Presentation
Office for Diversity Inclusion and Community Partnership, Harvard Medical School, Boston, MA

07/2025 Mentor and Mentee Relationship / Talk to CSPH Research Fellows
CSPH, BWH, Boston, MA

07/2025 Cancer Surgery / Talk to summer medical students
HMS, Poussaint Pre-Matriculation Summer Program, Boston, MA (Co-Sponsored by the DFCI and HMS)

05/2026 Variation in Access and Care-Seeking Pathways for Metastatic Colorectal Cancer: A Systems-Level Challenge / Grand Rounds
Mass General Brigham Cancer Institute, Boston, MA

Report of Regional, National and International Invited Teaching and Presentations

No presentations below were sponsored by 3rd parties/outside entities

Those presentations below sponsored by outside entities are so noted and the sponsor(s) is (are) identified.

National

- 04/2015 Transanal Endoscopic Surgery with Peritoneal Entry: A Word of Caution / Selected Oral Abstract
SAGES, Surgical Spring Week 2015, Nashville, TN
- 10/2015 Patterns of Postoperative Care After Surgery in Freestanding Ambulatory Surgery Centers in South Carolina / Selected Oral Abstract
American College of Surgeons, Clinical Congress 2015, Chicago, IL
- 02/2016 Identifying the Impact of Surgical Services on Population Health: The Relationship Between National Cesarean Delivery Rates and Maternal and Neonatal Mortality / Invited Presentation
Surgical Outcomes Club, Virtual Didactic Sessions, Ann Arbor, MI (University of Michigan)
- 02/2016 Location of Ambulatory Laparoscopic Cholecystectomy in the Elderly Impacts Postoperative Acute Care / Selected Oral Abstract
Association for Academic Surgery, 11th Annual Academic Surgical Congress 2016, Jacksonville, FL
- 04/2017 Perception of safety of surgical practice among operating room personnel from survey data is associated with all-cause 30-day postoperative death rate in SC / Selected Oral Abstract
American Surgical Association, 137th Annual Meeting, Philadelphia, PA
- 10/2019 Readmissions After Elective Total Pancreatectomy / Selected Oral Abstract
American College of Surgeons, Clinical Congress 2019, San Francisco, CA
- 06/2021 A Day in the Life of an Oncologist: Overview of Oncology Subspecialties / Panelist
ASCO Oncology Summer Internship, Boston, MA
- 01/2023 Assessing Real World Surgical Safety Checklist Performance Utilizing the OR Black Box / Selected oral presentation
Surgical Safety Network, Palm Beach, FL (Surgical Safety Technologies, Inc.)
- 09/2023 SSO DEI Virtual Tumor Board: Impact of Limited English Proficiency and Immigration Status on Cancer Care / Invited webinar
Society of Surgical Oncology, Boston, MA
- 02/2024 Writing an Effective Personal Statement / Invited Talk (Virtual)
Medical Organization for Latino Advancement, Boston, MA
- 05/2024 Professional & Career Development Workshops: Session A: IPa la Cultural or Life Happens – A Surgeons Journey / Panelist
Latino Surgical Society: Surgical Symposium on Latino Health, Seattle, WA (University of Washington, Seattle, WA)
- 05/2024 Cross-Specialty Impact in the Adoption of Minimally Invasive Surgery in Abdominal Surgical Oncology at the Hospital Level / Selected oral abstract

- Latino Surgical Society: Surgical Symposium on Latino Health, Seattle, WA
(University of Washington, Seattle, WA)
- 05/2024 Breakout B Session - Surg Onc, Colorectal, Transplant, Gyn Onc / Abstract session moderator
Latino Surgical Society: Surgical Symposium on Latino Health, Seattle, WA
(University of Washington, Seattle, WA)
- 08/2024 SSO DEI Advisory Board: Careers in Surgical Oncology / Invited webinar
Society of Surgical Oncology, Boston, MA
- 10/2024 American College of Surgeons 2024 Clinical Congress ePosters II- State 4: HSR / Abstract session moderator
American College of Surgeons, San Francisco, CA
- 10/2024 Hispanic Heritage Month with SSO, SMeO, & LSS: Hepatobiliary and Gastric Cancers in the Latino/Hispanic Population: Perspectives from Across the American Continent / Invited webinar
Society of Surgical Oncology, Boston, MA
- 03/2025 Surgeons as Advocates: Optimizing Cancer Care for Latino Hepatopancreatobiliary Patients / Panelist
Society of Surgical Oncology, Tampa, FL
- 10/2025 SurgOnc Today - Hispanic Heritage Month: Innovative Clinical Trial Recruitment / Podcast co-organizer and moderator
Society of Surgical Oncology, Boston MA
- 10/2025 (MS1-MS3) Preparing for Residency Roundtables: Writing a Personal Statement / Workshop Facilitator
American College of Surgeons, Chicago, IL
- 02/2026 Session: Navigating the Changing Tides of Academic Surgery as a New Faculty Member
- My Talk: Developing Internal and External Relationships to Support your Academic Goals / Panelist
Association for Academic Surgery, 21st Annual Academic Surgical Congress 2026, Orlando, FL
- 03/2026 Session: SPHERE Panel: Advancing Equity: From Root Causes to Real Change
- My Talk: The Role of Qualitative Research / Panelist
Society of Surgical Oncology, Phoenix, AZ

International

- 05/2015 La Lista De Verificación De La Seguridad De La Cirugía: Una Introducción a La Implementación / Invited Talk
Hospital Universitario “General Calixto García”, Taller Nacional de Trauma 2015, Havana, Cuba
- 09/2018 Estrategias Para Consolidación del Uso de la Lista de Verificación / Plenary/Keynote
XIII Congreso Centroamericano y del Caribe y XI Congreso Nacional de Anestesiología, Reanimación y Dolor, Tegucigalpa, Honduras (Lifebox)

- 02/2019 Radiation as an Immune Adjuvant in Melanoma / Selected Oral Abstract
Society for Surgical Oncology
14th International Symposium on Regional Cancer Therapies, Phoenix, Arizona
- 02/2019 Similarities in Hospital Readmissions Between Percutaneous and Laparoscopic Liver Tumor Ablation May Not Tell the Whole Story: Findings from the Nationwide Readmissions Database / Selected Oral Abstract
Society for Surgical Oncology 14th International Symposium on Regional Cancer Therapies, Phoenix, Arizona
- 02/2019 Lifebox Central American Checklist Strategies Workshop
Initiative to Implement the Surgical Safety Checklist, Course Lead / Workshop Facilitator
Lifebox, San Salvador, El Salvador
- 09/2019 Understanding Teamwork in the Operating Room: Lessons on Fostering a Culture of Surgical Safety / Invited Presentation
The First Affiliated Hospital with Nanjing Medical University, Nanjing, China
- 09/2019 Locally Advanced Pancreatic Cancer: Curative-Intent Resection and Use of Intraoperative Radiation Therapy / Invited Presentation
The First Affiliated Hospital with Nanjing Medical University, Nanjing, China
- 09/2019 Postoperative Pancreatic Fistula: The MGH Experience / Invited Presentation
The First Affiliated Hospital with Nanjing Medical University, Nanjing, China
- 07/2020 Enhanced Recovery After Surgery: ¿Es Tiempo de Cambiar La Practica? / Invited Presentation
XII Congreso De Medicina “Dr. Miguel Bonilla” Modalidad, Virtual, San Salvador, El Salvador
- 02/2023 Advances in the Surgical Treatment of Small Intestinal Neuroendocrine Tumors (si-NET) / Invited Presentation
Instituto de Oncologia y Radiobiologia, Havana, Cuba
- 02/2023 Actualizacion de la conducta en el cancer de cavidades. Cuando no operar? / Plenary/Keynote
Convencion Calixto 2023 II Taller de prevencion y control del cancer. Simposio de Cirugia Oncologica, Havana, Cuba
- 02/2023 Actualizacion en el tratamiento del adenocarcinoma ductal de pancreas / Plenary/Keynote
Convencion Calixto 2023 II Taller de prevencion y control del cancer. Simposio de Cirugia Oncologica, Havana, Cuba
- 04/2023 Advances in the Treatment of Pancreatic Ductal Adenocarcinoma / Invited Virtual Presentation
Cancer Conference, Kiev, Ukraine (Boston, MA, virtually)
- 09/2023 Overview of Surgical Management of Colorectal Liver Metastasis / Peer-to-Peer Discussion
Sun Yat-sen University, Guangzhou, China (Boston, MA, virtually)
- 10/2023 Surgery Indications for Asymptomatic Non-Malignant HPB Diseases / Peer-to-Peer Discussion
Sun Yat-sen University, Guangzhou, China (Boston, MA, virtually)

11/2023	Surgery / Invited Virtual Presentation Partners In Health, Lesotho (Boston, MA, virtually)
11/2023	Surgical Treatment of Hepatocellular Carcinoma / Peer-to-Peer Discussion Sun Yat-sen University, Guangzhou, China (Boston, MA, virtually)
11/2024	Cirugía basada en órganos vs Cirugía oncológica general: Perspectiva de la SSO / Invited Presentation Sociedad Mexicana de Oncología, A.C., Leon, Guanajuato, Mexico (Society of Surgical Oncology and Sociedad Mexicana de Oncología, A.C.)
11/2024	Avances en el Manejo de la Metastasis Hepatica Colorrectal (Advances in the Management of Colorectal Liver Metastasis) / Panelist CEDIMET: XIX Jornada Medico Cientifica, Dr. Juan ML. Taveras (JMT), Santo Domingo, Dominican Republic (CEDIMET, Plaza de la Salud)
03/2026	Fundamentals of Academic Research and Career Development / Course Association for Academic Surgery, San Salvador, El Salvador (Asociacion Salvadorena de Cirugia General, XXXII Congreso Internacional de Cirugia de El Salvador 2026)
03/2026	Avances en el Manejo Quirurgico del Cancer de Pancreas / Invited Talk Asociacion Salvadorena de Cirugia General, XXXII Congreso Internacional de Cirugia de El Salvador 2026, San Salvador, El Salvador
03/2026	Hepatectomia en Metastasis no Colorrectales / Invited Talk Asociacion Salvadorena de Cirugia General, XXXII Congreso Internacional de Cirugia de El Salvador 2026, San Salvador, El Salvador

Report of Clinical Activities and Innovations

Past and Current Licensure and Board Certification:

2011	Advanced Cardiac Life Support Certification (recertification 3/2018)
2011	Advanced Trauma Life Support Certification (recertification 3/2018)
2013	SAGES Fundamental Use of Surgical Energy Exam Certification (FUSE)
2013	Fundamentals of Laparoscopic Surgery Program Certification (FLS)
2014	Massachusetts Board of Registration in Medicine Full Medical License
2015	TeamSTEPPS Master Trainer Course: Agency for Healthcare Research and Quality (AHRQ) and Health Research and Education Trust
2016	Fundamentals of Endoscopic Surgery Program (FES)
2017	Advanced Surgical Skills for Exposure in Trauma (ASSET)
2017	Advanced Trauma Operative Management (ATOM)
2019	Board Certified in General Surgery by the American Board of Surgery
2021	Board Certified in Complex General Surgical Oncology by the American Board of Surgery

Practice Activities:

2011 - 2018	Resident	MGH General Surgery Residency Program, Boston, MA	60-80 hours per week, 48 weeks per year
2014 - 2016	Moonlighting Resident	MGH, Boston, MA	12-24 hours per week, 48 weeks per year
2015 - 2016	Moonlighting Resident	BWH, Boston, MA	12 hours per week, 24 weeks (6 months total)
2018 - 2020	Clinical Fellow	BWH, DFCI, and MGH, Boston, MA	60-80 hours per week, 48 weeks per year
2020 - Present	Associate Surgeon	BWH and DFCI, Boston, MA	40-60 hours per week, 48 weeks per year

Clinical Innovations:

Co-developed curriculum to train surgeons, anesthesiologists, and nurses on how to lead implementation of the World Health Organization Safe Surgery Checklist (08/2018 - 02/2019)

Volunteering with Lifebox, a non-profit organization, I co-developed a curriculum to train surgeons, anesthesiologists, and nurses on how to lead implementation of the World Health Organization Safe Surgery Checklist in the operating room in Central America. In February 2019, I led the training-of-trainers course that Lifebox organized in San Salvador, El Salvador for surgeons, anesthesiologists, and nurses from El Salvador, Honduras, Nicaragua, and Guatemala. I then adapted this curriculum so that it can be delivered in the remote setting.

Report of Education of Patients and Service to the Community

No presentations below were sponsored by 3rd parties/outside entities.

Those presentations below sponsored by outside entities are so noted and the sponsor(s) is (are) identified.

Activities

04/2022	Harvard Health Policy Review / Interviewee (Harvard Health Policy Review) I was interviewed by a Harvard University student for the Harvard Health Policy Review about my work on the World Health Organization Surgical Safety Checklist.
04/2023	Latino Surgical Society / Interviewee (Latino Surgical Society) I was interviewed on the "Inside the Operating Room", which is hosted by the Latino Surgical Society. Topics covered included my journey in becoming a surgical oncologist.
11/2024	El Nuevo Dario / Interviewee (El Dario Nuevo, Santo Domingo, Dominican Republic)

I was interviewed by a local newspaper organization/podcast on advances in the treatment of colorectal cancer with liver metastasis.

12/2024 Americas Hepato-Pancreato-Biliary Association / Interviewee (AHPBA)
Interviewed on the Latin America AHPBA Podcast on topics ranging my previous work on the World Health Organization Surgical Safety Checklist, OR Blackbox, and Pancreas Surgery.

Educational Material for Patients and the Lay Community:

Books, articles, and presentations in other media

07/2016	Using a surgical safety checklist saves lives, according to an international study	Author	https://www.ariadnelabs.org/2016/07/01/using-a-surgical-safety-checklist-saves-lives-according-to-an-international-study/
01/2020	Checking In On The Checklist: Uptake, Impact, and Opportunities	Editorial support	https://www.lifebox.org/checkinginonthechecklist
04/2020	Tackling the COVID-19 Human Resource Emergency	Author	https://www.ariadnelabs.org/resources/articles/news/tackling-the-covid-19-human-resource-emergency/
08/2020	Inside the Operating Room: An Academic Surgeon's Journey - Dr. Carlos Fernandez-Del Castillo	Co-moderated interview (Latino Surgical Society)	https://www.youtube.com/watch?v=UqJv13K8jvw
03/2021	Inside the Operating Room: An Academic Surgeon's Journey - Dr. Juan C. Caicedo-Ramirez	Co-moderated interview (Latino Surgical Society)	https://www.youtube.com/watch?v=qUP5xamrlU4&t=15s
02/2023	Improving the Implementation of the World Health Organization Surgical Safety Checklist	Senior author	https://ariadnelabs.medium.com/improving-the-implementation-of-the-world-health-organization-surgical-safety-checklist-5b5d5b72becf
12/2023	Inside the Operating Room: Dr. Julio Garcia-Aguilar	Co-moderated interview (Latino Surgical Society)	https://www.youtube.com/watch?v=i9H-05bTPcs

Recognition:

2018 Training at a Harvard Hospital: Office for Diversity and Inclusion & Community voices on Harvard training programs | Trainees and program leaders describe their experiences with diversity, Harvard-affiliated training programs and life in Boston. Community Partnership, HMS

Report of Scholarship

* denotes equal authorship contribution

** denotes mentored trainee.

Peer-Reviewed Scholarship in print or other media:

Research Investigations

1. **Molina G**, Funk LM, Rodriguez V, Lipsitz SR, Gawande A. "Evaluation of Surgical Care in El Salvador Using the WHO Surgical Vital Statistics." *World J Surg*. 2013 Jun;37(6):1227-35. PMID: 23525599.
2. Nau P, **Molina G**, Aran S, Abujudeh H, Meireles O. "Roux-en-Y gastric bypass is associated with an increased exposure to ionizing radiation." *Surg ObesRelat Dis*. 2015 Mar-Apr;11(2):308-12. PMID: 25820075.
3. Uribe-Leitz T, Esquivel MM, **Molina G**, Lipsitz SR, Verguet S, Rose J, Bickler SW, Gawande AA, Haynes AB, Weiser TG. Projections to achieve minimum surgical rate threshold: an observational study. *Lancet*. 2015 Apr 27;385 Suppl 2:S14. doi: 10.1016/S0140-6736(15)60809-1. Epub 2015 Apr 26. PMID: 26313060.
4. Verguet S, Alkire BC, Bickler SW, Lauer JA, Uribe-Leitz T, **Molina G**, Weiser TG, Yamay G, Shrime MG. "Timing and cost of scaling up surgical services in low-income and middle-income countries from 2012 to 2030: a modelling study." *Lancet Glob Health*. 2015 Apr 27;3 Suppl 2:S28-37. PMID: 25926318.
5. Esquivel MM, **Molina G**, Uribe-Leitz T, Lipsitz SR, Rose J, Bickler SW, Gawande AA, Haynes AB, Weiser TG. Proposed minimum rates of surgery to support desirable health outcomes: an observational study based on four strategies. *Lancet*. 2015 Apr 27;385 Suppl 2:S12. doi: 10.1016/S0140-6736(15)60807-8. Epub 2015 Apr 26. PMID: 26313058.
6. Weiser TG, Haynes AB, **Molina G**, Lipsitz SR, Esquivel MM, Uribe-Leitz T, Fu R, Azad T, Chao TE, Berry WR, Gawande AA. Estimate of the global volume of surgery in 2012: an assessment supporting improved health outcomes. *Lancet*. 2015 Apr 27;385 Suppl 2:S11. doi: 10.1016/S0140-6736(15)60806-6. Epub 2015 Apr 26. PMID: 26313057.
7. Alkire BC, Raykar NP, Shrime MG, Weiser TG, Bickler SW, Rose JA, Nutt CT, Greenberg SLM, Kotagal M, Riesel JN, Esquivel M, Uribe-Leitz T, **Molina G**, Roy N, Meara JG, Farmer PE. "Global access to surgical care: a modelling study." *Lancet Glob Health*. 2015 Jun;3(6):e316-23. PMID: 25926087.
8. Esquivel MM, **Molina G**, Uribe-Leitz T, Lipsitz SR, Rose J, Bickler S, Gawande AA, Haynes AB, Weiser TG. "Proposed minimum rates of surgery to support desirable health outcomes: An

- observational study based on four strategies.” World J Surg. 2015 Sep;39(9):2126-31. PMID: 25968342.
9. Uribe-Leitz T, Esquivel M, **Molina G**, Lipsitz SR, Verguet S, Rose J, Bickler SW, Gawande AA, Haynes AB, Weiser TG. “Projections for achieving the Lancet Commission recommended surgical rate of 5000 operations per 100,000 population by region-specific surgical rate estimates.” World J Surg. 2015 Sep;39(9):2168-72. PMID: 26067635.
 10. **Molina G**, Weiser TG, Lipsitz SR, Esquivel MM, Uribe-Leitz T, Azad T, Shah N, Semrau K, Berry WR, Gawande AA, Haynes AB. “Relationship Between Cesarean Delivery Rate and Maternal and Neonatal Mortality.” JAMA. 2015 Dec 1;314(21):2263-70. PMID: 26624825.
 11. Weiser TG, Haynes AB, **Molina G**, Lipsitz SR, Esquivel MM, Uribe-Leitz T, Fu R, Azad T, Chao TE, Berry WR, Gawande AA. “Size and distribution of the global volume of surgery in 2012.” Bull World Health Organ. 2016 Mar 1;94(3):201-209F. PMID: 26966331.
 12. **Molina G**, Bordeianou L, Shellito P, Sylla P. “Transanal endoscopic resection with peritoneal entry: a word of caution.” Surg Endosc. 2016 May;30(5):1816-25. PMID: 26264697.
 13. **Molina G**, Jiang W, Edmondson L, Gibbons L, Huang LC, Kiang MV, Haynes AB, Gawande AA, Berry WR, Singer SJ. “Implementation of the Surgical Safety Checklist in South Carolina Hospitals Is Associated with Improvement in Perceived Perioperative Safety.” J Am Coll Surg. 2016 May;222(5):725-736.e5. PMID: 27049781.
 14. Singer SJ, **Molina G**, Li E, Jiang W, Nurudeen S, Kite JG, Edmondson L, Foster R, Haynes AB, Berry WR. “Relationship between operating room teamwork, contextual factors, and safety checklist performance.” J Am Coll Surg. 2016 Oct;223(4):568-580.e2. [Epub 2016 Jul 26.] PMID: 27469627.
 15. **Molina G**, Neville BA, Lipsitz SR, Gibbons L, Childers AK, Gawande AA, Berry WR, Haynes AB. “Postoperative acute care use after freestanding ambulatory surgery.” J Surg Res. 2016 Oct;205(2):331-40. [Epub 2016 Jul 4.] PMID: 27664881.
 16. **Molina G**, Hull MA, Chen YL, DeLaney TF, Bernstein KDA, Choy E, Cote G, Harmon DC, Mullen JT, Haynes AB. “Preoperative radiation therapy combined with radical surgical resection is associated with a lower rate of local recurrence when treating unifocal, primary retroperitoneal liposarcoma.” J Surg Oncol. 2016 Dec;114(7):814-820. [Epub 2016 Sep 16.] PMID: 27634478.
 17. Hull MA, **Molina G**, Niemierko A, Haynes AB, Jacobson A, Berstein KDA, Chen YL, DeLaney TF, Mullen JT. “Improved local control with an aggressive strategy of preoperative (with or without intraoperative) radiation therapy combined with radical surgical resection for retroperitoneal sarcoma.” J Surg Oncol. 2017 May;115(6):746-751. PMID: 28127762.
 18. Aldina S, Hur HC, Berry WR, **Molina G**, Gunther G, Modest AM, Singer SJ. “Narrative Feedback from OR Personnel about the Safety of Their Surgical Practice Before and After a Surgical Safety Checklist Intervention.” Int J Qual Health Care. 2017 Aug 1;29(4):461-469. PMID: 28482011.
 19. Wakeam E*, **Molina G***, Shah N, Lipsitz SR, Chang D, Gawande AA, Haynes AB. “Variation in the Cost of Five Common Operations in the United States.” Surgery. 2017 Sep;162(3):592-604. PMID: 28728882. (*co-first authors)
 20. **Molina G**, Berry WR, Lipsitz SR, Edmondson L, Li Z, Neville BA, Moonan AT, Gibbons LR, Gawande AA, Singer SJ, Haynes AB. “Perception of safety of surgical practice among operating room personnel from survey data is associated with all-cause 30-day postoperative death rate in South Carolina.” Ann Surg. 2017 Oct;266(4):658-666. PMID: 28657942.

21. Haynes AB, Edmondson L, Lipsitz SR, **Molina G**, Neville BA, Singer SJ, Moonan AT, Childers AK, Foster R, Gibbons LR, Gawande AA, Berry WR. "Mortality trends following a voluntary statewide surgical safety checklist program." *Ann Surg.* 2017 Dec;266(6):923–929. PMID: 29140848.
22. **Molina G**, Singal R, Haynes AB, Mahishi V, Davis KK, Foster G, Miller MA, Urman RD, Rajan N, Singer SJ, Battles J, Berry WR. "Perception of Safety of Surgical Practice Among Healthcare Professionals Who Work in an Operating Room in Ambulatory Surgery Centers in the United States: A Retrospective Analysis of Survey Data." *J.PCORM.* 2017 Sept;8:12-18.
23. Saraidaridis J, **Molina G**, Savitt LR, Milch H, Mei T, Chin SM, Kuo J, Bordeianou LG. "Pudendal Nerve Terminal Motor Latency Testing Does Not Provide Useful Information in Guiding Therapy for Fecal Incontinence." *Int J Colorectal Dis.* 2018 Mar;33(3):305-310 PMID: 29330765.
24. Chawla A, **Molina G**, Pak LM, Rosenthal M, Mancias JD, Clancy TE, Wolpin BM, Wang J. "Neoadjuvant Treatment is Associated with Improved Survival in Borderline-Resectable Pancreatic Cancer." *Ann Surg Oncol.* 2020 Apr;27(4):1191-1200. PMID: 31802297.
25. **Molina G**, Kasumova GG, Qadan M, Boland GM. "Use of Immunotherapy and Surgery for Stage IV Melanoma." *Cancer.* 2020 Jun 1;126(11):2614-2624. PMID: 32157676.
26. Panda N, Koritsanszky L, Delisle M, Anyomih T TK, Desai EV, Sonnay Y, **Molina G**, Madani K, Vervoot D, Weiser TG, Benjamin EM, Haynes AB. "Global Survey of Perceptions of the Surgical Safety Checklist Among Medical Students, Trainees, and Early Career Providers." *World J Surg.* 2020 Sep;44(9):2857-2868. PMID: 32307554.
27. Rauwerdink DJW, **Molina G**, Frederick DT, Sharova T, Carmichael H, Cohen S, Boland GM. "Mixed response to immunotherapy in patients with metastatic melanoma." *Ann Surg Oncol.* 2020 Sep;27(9):3488-3497. PMID: 32472413.
28. **Molina G**, Sell NM, Fernandez-Dell Castillo C, Ferrone CR, Lillemoe KD, Qadan M. "A Diagnosis of Depression of is Associated with Readmission Following Elective Pancreatectomy." *Ann Surg Oncol.* 2020 Oct;27(11):4544-4550. PMID: 32356271.
29. Rauwerdink DJW, **Molina G**, Frederick DT, Sharova T, Carmichael H, Boland GM. "Adjuvant therapy failure patterns in modern era of melanoma management." *Ann Surg Oncol.* 2020 Dec;27(13):5128-5136. PMID: 32447656.
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32. Serrano EM, **Molina G**, Anderson GA, Singer SJ, Berry WR, Haynes AB, Fabra MEL, de Moya M. "Evaluation of the Perceptions of Safety of Surgical Practice at a Tertiary Academic Trauma Hospital in Havana, Cuba." *Panam J Trauma Crit Care Emerg Surg.* 2020;9(2):114-119. DOI: 10.5005/jp-journals-10030-1289.
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- Mariano ER, Merry A, Mushayandebvu B, Nabukenya MT, Shah M, Spruce L, Weiser TG, Brindle ME. "We Asked the Experts: The WHO Surgical Safety Checklist and the COVID-19 Pandemic: Recommendations for Content and Implementation Adaptations." *World J Surg.* 2021 Feb 26;26:1-4. [Online ahead of print]. PMID: 33638023.
35. Panda N**, Sinyard RD, Henrich N, Cauley C, Hannenberg AA, Sonnay Y, Bitton A, Brindle M, **Molina G**. "Redeployment of Healthcare Workers in the COVID-10 Pandemic: A Qualitative Study of Health System Leaders' Strategies." *J Patient Saf.* 2021 Mar 13. [Online ahead of print]. PMID: 33797460.
 36. Dhami RS, Anderson MA, Fadzen CM, **Molina G**, Taylor MS, Deshpande V, Qadan M, Catalano O, Ferrone CR, Mojtahed A. "CT and MRI Features Differentiating Mucinous Cystic Neoplasms of the Liver from Pathologically Simple Cysts." *Clin Imaging.* 2021 Feb 3;76:46-52. PMID: 33549919.
 37. Mueller J, **Molina G**, Ferrone C, Chang D, Vagefi P, Tanabe K, Clancy T, Qadan M. "Open Hepatic Resection in the Elderly at Two Tertiary Referral Centers." *Am J Surg.* 2021 Jan 21:S0002-9610(21)00042-8. [Online ahead of print]. PMID: 33518291.
 38. Del Valle JP, Fillmore NR, **Molina G**, Fairweather M, Wang J, Clancy TE, Ashley SW, Urman RD, Whang EE, Gold JS. "Socioeconomic Disparities in Pancreas Cancer Resection and Survival in the Veterans Health Administration." *Ann Surg Oncol.* 2022 Jan 10. [Online ahead of print]. PMID: 35006509.
 39. Jones A**, Kaelberer Z, Clancy T, Fairweather M, Wang J, **Molina G**. "Association between race, hospital volume of major liver surgery, and access to metastasectomy for colorectal liver metastasis." *Am J Surg.* 2022 Feb2;S0002-9610(22)00056-3. [Online ahead of print]. PMID: 35125184.
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Narrative Report

Introduction: I am an Assistant Professor of Surgery at Harvard Medical School and an Associate Surgeon in the Division of Surgical Oncology, Department of Surgery, Brigham and Women's Hospital (BWH). I am also a Staff Surgeon in the Gastrointestinal Cancer Treatment Center at Dana-Farber Cancer Institute. I also serve as the Interim Commission on Cancer (CoC) Chair and the BWH Liaison Physician. My practice is devoted to clinical care, teaching, and research. My clinical practice consists of treating patients with hepatopancreatobiliary (HPB) and gastrointestinal cancers. My research is in health systems innovation to improve safety, quality, and equity in surgical care.

Area of Expertise: I am board certified in general surgery and in complex general surgical oncology. As a surgical oncologist specializing in HPB cancers, I maintain a robust, high-volume clinical practice specializing in the multidisciplinary management of pancreatic, biliary, hepatic, and gastric malignancies. My practice consists of seeing complex HPB patients from throughout New England. More than half of the patients I see are seeking a second surgical opinion. I work with medical and radiation oncologists who also specialize in the treatment of these cancers. I have a robust minimally invasive surgical practice that includes laparoscopic and robotic.

Teaching and Education: I am committed to teaching and mentoring the next generation of medical students and residents. As an Associate Surgeon in the Department of Surgery at BWH, I teach medical students, residents, and fellows during the academic year. I also serve as an HMS Principal Clinical Experience Core Faculty in the Surgery Core Clerkship at BWH.

Significant Supporting Activities: I conduct research at the BWH Department of Surgery Center for Surgery and Public Health and at Ariadne Labs. In these roles I mentor undergraduate students, medical students, surgery residents, and clinical fellows who are conducting health services research.

Summary: My clinical, teaching, and research responsibilities help me pursue my long-term goal of addressing the barriers that patients face in receiving complex cancer care in the United States.