

Anthony Onde Morada, MD

Contact Information

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Professional Summary

General Surgery Resident (PGY-4) at Geisinger Northeast with research experience in transplant surgery at Cedars-Sinai Medical Center. UCSB alumnus from Los Angeles with background in clinical outcomes research, systematic reviews, and genomic medicine. Filipino-American physician interested in advancing surgical care through research and evidence-based practice.

Research Highlights

- **Systematic Review Expertise:** Lead author on systematic review methodology (Surgical Endoscopy)
- **Clinical Outcomes Research:** COVID-19 triage algorithms and surgical outcomes analysis
- **Genomic Medicine:** Analysis of 92,297 patients in large-scale genomic database
- **Quality Improvement:** Prospective studies improving surgical care and patient outcomes
- **Transplant Surgery Background:** Research experience at Cedars-Sinai Liver Transplant program

Current Position

General Surgery Resident (PGY-4) | 2022 – Present Geisinger Northeast General Surgery Program, Scranton, PA

Education

Doctor of Medicine | 2022 Geisinger Commonwealth School of Medicine, Scranton, PA

Bachelor of Science in Cell and Developmental Biology | 2014 University of California – Santa Barbara, Santa Barbara, CA *Graduated with Distinction in the Department of Molecular, Cellular, and Developmental Biology Minor in English*

Emergency Medical Technician Certification | 2011 UCLA Center for Prehospital Care, Los Angeles, CA *Accredited by West Los Angeles College*

Research Experience

- **Clinical Investigator and Analyst** | 2020 – 2022 Donald Guthrie Foundation, Guthrie Robert Packer Hospital, Sayre, PA
 - **Principal investigator** for prospective observational study improving readmission rates in high-output ileostomy patients (NCT04669964)
 - **Led protocol development** and IRB approval process for **registered clinical trial**
 - Developed evidence-based protocol improving surgical resident autonomy through **structured laparoscopic training**
 - **Published results** contributing to surgical education and patient outcomes literature
- **Student Investigator** | 2019 – 2020 Quality Improvement Community Collaborative (QUICC) – Transition Care Management, Guthrie Robert Packer Hospital, Sayre, PA
 - Developed prospective quality improvement project to increase transition care management compliance
 - Created EPIC tool and staff education protocol; presented at Stanley Conklin Research Day
- **Student Investigator** | 2018 – 2019 Longitudinal Community Health Improvement and Promotion (CHIP) – Colorectal Cancer, Northeast Regional Cancer Institute, Scranton, PA
 - Quality improvement project for colorectal screening compliance at community clinic
- **Research Chair** | 2018 General Surgery Interest Group (GSIG), Geisinger Commonwealth School of Medicine, Scranton, PA
 - Organized research opportunities and presented four collaborative projects at conferences

- **Student Investigator** | 2017 – 2018 Weis Center for Research, Geisinger Medical Center, Danville, PA
 - Analyzed genomic data from **92,297 patients** in Geisinger’s MyCode and DiscovEHR program—**one of the largest healthcare genomic databases**
 - Performed high-volume statistical analyses using **R programming** on whole exome sequences to identify rare disease variants
 - **Focus on autosomal dominant diseases** relevant to transplant genetics and familial conditions
 - Awarded **competitive grant funding** from GCSOM’s Summer Research Immersion Program
- **Clinical Research Data Specialist** | 2015 – 2017 Departments of **Liver Transplant & Hepatobiliary and Pancreatic Surgery**, Cedars-Sinai Medical Center, Los Angeles, CA
 - Coordinated clinical research studies for **liver transplant recipients** and **living donor** candidates
 - Managed **transplant outcomes biorepository** with specimens from 500+ transplant patients for translational research
 - Served as IRB contact for **liver transplant clinical trials** including immunosuppression protocols and rejection studies
 - Collaborated directly with **transplant surgeons** on publications analyzing **post-transplant outcomes** and surgical complications
 - Performed statistical analyses using R programming for **transplant surgery research** published in peer-reviewed journals
- **Clinical Research Volunteer** | 2015 Department of Microbiology, St. John’s Regional Medical Center, Oxnard, CA
 - Analyzed blood culture contamination data using R programming
- **Undergraduate Research Assistant** | 2013 – 2015 Dr. Kathy Foltz Laboratory, University of California – Santa Barbara, Santa Barbara, CA
 - Investigated egg activation mechanisms; reviewed more than 8,000 unique phosphor-sequences from a high throughput phosphoproteomic analysis of time course egg lysates of *S. Purpuratus*
 - Awarded two Undergraduate Research and Creative Activities (URCA) Grants
- **Laboratory Research Assistant** | 2014 Dr. Megan Valentine and Dr. Stuart Feinstein Laboratories, University of California – Santa Barbara, Santa Barbara, CA
 - Summer research project synthesizing Alzheimer’s-associated tau protein and isoforms
- **Undergraduate Research Assistant** | 2012 Dr. Dzwokai Zach Ma Laboratory, University of California – Santa Barbara, Santa Barbara, CA
 - Researched histone modifications during cytokinesis

Clinical Experience

- **Lead Emergency Medical Technician** | 2012 – 2014 UCSB’s Extra Help Program, Santa Barbara County Fire Department, Santa Barbara, CA
 - Provided Basic Life Support care to the community of the University of California – Santa Barbara and associated districts; responsible for more than 22,000 citizens
 - Acted as liaison between student EMTs and Santa Barbara County Fire Department
 - Managed EMT staff logistics and organized training sessions for continuing education

Publications

Peer-Reviewed Articles

1. **Morada AO**, Senapathi SH, Bashiri A, Chai S, Cagir B. A systematic review of primary ileostomy site malignancies. *Surg Endosc.* 2022;36(3):1750-1760. PMID: 34997348. **Full Text** | **PDF**
2. Bashiri A, **Morada A**, Sultany M, et al. Trends of Trauma Admissions in a Rural Trauma Center During Coronavirus Disease 2019 Pandemic. *J Surg Res.* 2023;289:202-210. PMID: 37141703. **Full Text** | **PubMed**
3. Keller HR, Senapathi SH, **Morada A**, et al. Survival in patients with neuroendocrine tumors of the colon, rectum and small intestine. *Am J Surg.* 2023;225(1):58-65. PMID: 36216612. **Full Text** | **PubMed**
4. Sundaram N, **Morada A**, Bashiri A, Cagir B. CT images demonstrating the natural progression of locally advanced partially treated rectal cancer. *BMJ Case Rep.* 2022;15(3):e247609. PMID: 35332009. **Full Text** | **PMC Free**
5. Senapathi H, **Morada A**, Perry M, et al. Prognostic Factors in Gastrointestinal Leiomyosarcomas: An Analysis Using the SEER Database. *Cureus.* 2021;13(11):e19447. PMID: 34926025. **Full Text - Open Access**
6. **Morada AO**, Scheidel C, Brown JL, et al. Predicting severe COVID-19 outcomes for triage and resource allocation. *MedRxiv.* 2021. **Preprint**
7. Guo H, Garcia-Vedrenne AE, Isserlin R, et al. Phosphoproteomic network analysis in the sea urchin *Strongylocentrotus purpuratus* reveals new candidates in egg activation. *Proteomics.* 2015;15(23-24):4080-4095. PMID: 26572944. **Full Text** | **PubMed**

Manuscripts Under Review/In Preparation

- Dewar Z, **Morada AO**, Senapathi H, Rittenberger J. Ultrasound versus combined ultrasound and modified Seldinger technique in obtaining difficult peripheral intravenous access: A systematic review and meta-analysis. **PROSPERO Protocol Manuscript in preparation**
- Seungwoo C, Senapathi SH, **Morada AO**, et al. Exploring the quality of internal medicine resident ambulatory patient care: a feasibility study. *Manuscript in preparation*

Media & Publications

- **Morada AO**, Mackarey P. Finding your way clear of opioid problems. *The Scranton Times-Tribune*. August 27, 2018. **Full Article**
- **Morada A**. Ending Tuberculosis: A Global Commitment. *The Traveler*. December 2017.

Peer Review Activities

- **Cancer Medicine** (2025) - Manuscript #CAM4-2025-04-2129
- **PLOS ONE** (2025) - Manuscript #PONE-D-25-15492R (revision review)
- **PLOS ONE** (2025) - Manuscript #PONE-D-25-15492
- **PLOS ONE** (2022) - Manuscript #PONE-D-21-17071R1 (revision review)
- **PLOS ONE** (2021) - Manuscript #PONE-D-21-17071
- **Frontiers in Pharmacology** (2022) - Manuscript #1010820
- **Annals of Internal Medicine** (2021) - Manuscript #M21-2536

Presentations

Oral Presentations

1. Bashiri A, **Morada AO**, Silverman S, Behara M, Behm R. Trends of Trauma Admissions in a Rural Trauma Center During Coronavirus Disease 2019 Pandemic. *Stanley Conklin Research Day*, Sayre, PA. April 2021.
2. Bertram C, Yeung E, Senapathi H, Perry M, **Morada A**, Bertsch D, Cagir B. Evaluation of the Survival outcomes of Intestinal Adenosquamous Carcinomas with SEER-18 registry: What do we know? *Stanley Conklin Research Day*, Sayre, PA. April 2021.
3. Chai S, Kolade V, Senapathi SH, **Morada AO**, Khaliq AA, Malviya B. Exploring the quality of internal medicine resident ambulatory patient

care: a feasibility study of the patient-doctor relationship. *Stanley Conklin Research Day*, Sayre, PA. April 2021.

4. Senapathi SH, **Morada AO**, Morgan P, Cagir B. Comparing Epidemiology and Survival of Gastro-Intestinal Stromal Tumors and Leiomyosarcomas. *Stanley Conklin Research Day*, Sayre, PA. April 2021.
5. **Morada A**, Marinock J, Mirshahi U, Smelser DT, Carey DJ. Examining the Genetic Burden of Two Rare Autosomal Dominant Diseases. *2018 Geisinger Commonwealth School of Medicine Summer Research Symposium*, Scranton, PA, August 2018.
6. **Morada A**, Mehta PA, Miller BN, Alagappan AA, Wachsmann A, Gaddam S, Jamil L, Lo S, Nissen N. Management of Pancreatic Fistula or Leak after Pancreatectomy: Perspective from a 14-year Single Surgeon Experience. *Southern California Chapter of the American College of Surgeons Annual Scientific Meeting*, Santa Barbara, CA, January 2017.
7. Miller BN, **Morada A**, Gangi A, Annamalai AA, Wachsmann A, Hendifar A, Tuli R, Nissen N. Challenging the Treatment Paradigm of Oligometastatic Pancreatic Adenocarcinoma with Selective Use of Locoregional Cyto-reductive Therapies. *Southern California Chapter of the American College of Surgeons Annual Scientific Meeting*, Santa Barbara, CA, January 2017.
8. Miller BN, Mehta PA, **Morada A**, Hendifar A, Annamalai AA, Wachsmann A, Deepti D, Nissen N. Age-Related Differences in Presentation and Management of Pancreatic Neuroendocrine Tumors. *Society of Surgical Oncology's 70th Annual Cancer Symposium*, Seattle, WA, March 2017.

Poster Presentations

1. **Morada AO**, Senapathi SH, Bashiri A, Chai S, Cagir B. A Systematic Review of Primary Ileostomy Site Malignancies. *Society of American Gastrointestinal and Endoscopic Surgeons 2021 Meeting*, Las Vegas, NV, August 2021. PDF
2. Yeung E, Senapathi SH, **Morada AO**, Wung C, Miner J, Cagir B. High Output Ileostomy: A Retrospective Study on the Predictive Parameters of 30 Days Readmission from Dehydration. *Society of American Gastrointestinal and Endoscopic Surgeons 2021 Meeting*, Las Vegas, NV, August 2021.
3. Chai S, Kolade V, Senapathi SH, **Morada AO**, Khaliq AA, Malviya B. Exploring the quality of internal medicine resident ambulatory patient care: a feasibility study of the patient-doctor relationship. *Stanley Conklin Research Day*, Sayre, PA. April 2021.

4. Senapathi SH, **Morada AO**, Morgan P, Cagir B. Comparing Epidemiology and Survival of Gastro-Intestinal Stromal Tumors and Leiomyosarcomas. *Stanley Conklin Research Day*, Sayre, PA. April 2021.
5. Bertram C, Yeung E, Senapathi SH, Perry M, **Morada AO**, Bertsch D, Cagir B. Evaluation of the Survival outcomes of Intestinal Adenosquamous Carcinomas with SEER-18 registry: What do we know? *Stanley Conklin Research Day*, Sayre, PA. April 2021.
6. Yeung E, Senapathi H, Perry M, Bertram C, **Morada AO**, Bertsch D, Cagir B. P90: Evaluation of the Survival Outcomes of Intestinal Adenosquamous Carcinomas with SEER-18 Registry: What Do We Know? *Society of Surgical Oncology 2021: International Conference on Surgical Cancer Care*, Virtual Meeting. March 2021.
7. Senapathi SH, Perry M, **Morada AO**, Bertram C, Yeung E, Bertsch D, Cagir B. P85: Review of Intestinal Leiomyosarcomas: Epidemiology and Survival. *Society of Surgical Oncology 2021: International Conference on Surgical Cancer Care*, Virtual Meeting. March 2021.
8. **Morada A**, Adnani A, Bombar B, Rodriguez A, Simpson K, Pamula J. Optimizing Transition Care Management Referrals to Primary Care Providers. *Stanley Conklin Research Day*, Sayre, PA. April 2020.
9. Vaddadi S, Vyas N, Mathews K, **Morada A**, Hanrahan M, Santa-Lucia G, Davis G. An Artificial Intelligence Tool to Aid in the Management of Mechanical Ventilation: A Proof-of-Concept Study. *Geisinger Commonwealth School of Medicine 2019 Spring Research Symposium*, Scranton, PA, March 2019.
10. Stewart J, Behrman J, Davis G, **Morada A**, Vyas N, Ali B, Watson S, Ca K, Sorour K. Retrospective evaluation of dependency on supplemental oxygen in patients undergoing therapeutic hypothermia. *Geisinger Commonwealth School of Medicine 2019 Spring Research Symposium*, Scranton, PA, March 2019.
11. **Morada A**, Marinock J, Mirshahi U, Smelser DT, Carey DJ. Elucidating Rare Genetic Variants Associated with Autosomal Dominant Tubulointerstitial Kidney Disease. *American College of Surgeons Clinical Congress 2019*, San Francisco, CA, October 2019.
12. **Morada A**, Teixeira A, Tripathi K, Reisch-Neyman Y, Davis G, Sorour O, McCallion P, Sorour K. Intracolonic Administration of Vancomycin Via Cecal Tube in Intensive Care Unit Patients with Fulminant *Clostridium Difficile* Colitis. *16th Annual American Medical Association Research Symposium*, National Harbor, MD, November 2018.

13. **Morada A**, Marinock J, Mirshahi U, Smelser DT, Carey DJ. Elucidating Rare Genetic Variants Associated with Autosomal Dominant Tubulointerstitial Kidney Disease. *2018 Geisinger Commonwealth School of Medicine Summer Research Symposium*, Scranton, PA, August 2018.
14. Marinock J, **Morada A**, Mirshahi U, Smelser DT, Carey DJ. Rare Variants in APC Gene Increase Population Burden of Familial Adenomatous Polyposis. *2018 Geisinger Commonwealth School of Medicine Summer Research Symposium*, Scranton, PA, August 2018.
15. Davis G, **Morada A**, Myers T, Sorour K. Effects of Body Temperature on Vasoactive-Inotropic Score. *Annual National Student Research Forum*, Galveston, TX, May 2018.
16. Bolock A, Choudhary M, Fei X, Loser M, **Morada A**, Stefanelli M, Rwabukwisi F. Longitudinal Community Health Research Project: Colorectal Cancer Screening. *Geisinger Commonwealth School of Medicine Research Day*, Scranton, PA, March 2017.
17. Miller BN, Garnett G, **Morada A**, Annamalai A, Hendifar A, Dhall D, Wachsman A, Yu R, Nissen N. Parenchymal-Preserving Resection for Pancreatic Neuroendocrine Tumors: are the Outcomes Justified? *Society for Surgery of the Alimentary Tract 58th Annual Meeting at Digestive Disease Week 2017*, Chicago, IL, May 2017.
18. **Morada A**, Mehta PA, Miller BN, Annamalai A, Wachsman A, Gaddam S, Jamil L, Lo S, Nissen N. Pancreatic Fistula or Leak after Distal Pancreatectomy: Has anything changed? 13-year Single Surgeon Experience. *Society for Surgery of the Alimentary Tract 58th Annual Meeting at Digestive Disease Week 2017*, Chicago, IL, May 2017.
19. Miao Y, **Morada A**, Sun A, Garcia-Vedrenne AE, Foltz KR. Egg Activation Signaling Networks Revealed Via High Throughput Phosphoproteomics. *2015 Molecular, Cellular, and Developmental Biology Graduate Symposium*, Santa Barbara, CA, Feb 2015.
20. **Morada A**, Garcia-Vedrenne AE, Foltz KR. Investigating egg activation signaling circuits using high throughput phosphoproteomics. *University of California – Santa Barbara’s Undergraduate Research Colloquium*, Santa Barbara, CA, May 2014.
21. **Morada A**, Garcia-Vedrenne AE, Foltz KR. Profiling and enrichment mapping of the sea urchin egg phosphoproteome in response to fertilization. *University of California – Santa Barbara’s Undergraduate Research Colloquium*, Santa Barbara, CA, May 2013.

Honors and Awards

- **1st Place Oral Presentation**, Donald Guthrie Foundation Stanley Conklin Research Day (2021)
- **1st Place Poster Presentation**, Donald Guthrie Foundation Stanley Conklin Research Day (2021)
- **1st Place Hacking Health 2019 Winner**, Steel Institute for Health Innovation (\$5,000 award for “ABBY” - addressing provider burnout through EHR optimization)
- **Certificate of Achievement for Pharmacology & Toxicology**, UT Medical Branch National Student Research Forum (2018)
- **Distinction and Certificate of Excellence**, GCSOM Summer Research Symposium (2018)
- **1st Place Fundraising Team**, Pancreatic Cancer Action Network Purple Stride (2016, 2017) - Assistant Team Captain for Cedars-Sinai Whippersnappers
- **Undergraduate Research and Creative Activities (URCA) Grants**, UC Santa Barbara (2013, 2014)

Leadership and Service

- **Health Explorers Instructor** | 2017 – 2019 | Regional Education Academy for Careers in Health (REACH-HEI), Geisinger Commonwealth School of Medicine
 - Provided academic enrichment and mentoring for **low-income and first-generation college students** in northeastern Pennsylvania
- **President** | 2017 – 2019 | Asian Pacific American Medical Student Association (APAMSA), Geisinger Commonwealth School of Medicine
 - Led organizational leadership and **community service initiatives** for APAMSA chapter
- **Peer Mentor** | 2018 – 2019 | MD Peer Mentorship Program, Geisinger Commonwealth School of Medicine
 - Mentored first- and second-year medical students during their **transition to medical school**
- **Team Abby Member** | 2019 | Hacking Health Competition, Geisinger Steel Institute for Health Innovation
 - **\$5,000 first place winner** for healthcare innovation project addressing **provider burnout** and operational efficiency
- **Clinical Skills Chair** | 2018 – 2019 | Plastic Surgery Interest Group, Geisinger Commonwealth School of Medicine

- Organized **clinical skills workshops** and coordinated with anatomy lab for **realistic surgical simulation**
- **Assistant Team Captain** | 2016 – 2017 | Cedars-Sinai Whipple's, Pancreatic Cancer Action Network (PanCAN), Los Angeles, CA
 - Led team to **#1 fundraising position** with **\$200,000+** raised over two years
 - Recruited **150+ team members** through outreach and marketing initiatives
- **Team KiPOW Member** | 2016 | UC Irvine School of Medicine Pediatric Interest Group, Orange County, CA
 - **Health educator** teaching nutrition and exercise to elementary students through **UCI/CHOC partnership**
- **Clinical Volunteer** | 2013 – 2014 | COPE Health Solutions, St. John's/Pleasant Valley Medical Centers, Ventura County, CA
 - Rotational volunteer experience across **multiple clinical departments** including emergency medicine and surgery

Technical Skills and Certifications

- **Programming & Data Analysis**
 - **R Programming:** Advanced statistical analysis of **92,297+ patient genomic datasets**, clinical outcomes research
 - **Python:** Data science applications, machine learning implementations
 - **SQL:** Database querying and management for clinical research studies
- **Research Methodology**
 - **Large-scale data analysis:** Genomic medicine applications, clinical outcomes research
 - **Statistical modeling:** High-volume hypothesis testing, biostatistics
 - **Biorepository management:** Specimen coordination for translational research studies
 - **Literature synthesis:** Systematic review methodology, evidence-based analysis
- **Machine Learning & AI**
 - **AI for Medicine** - DeepLearning.AI (2020): Medical imaging, clinical prediction models
 - **Machine Learning** - Stanford University (2017): Supervised/unsupervised learning algorithms

- **Data Science Specialization** - Johns Hopkins University (2016):
R programming, statistical inference
- **Clinical Certifications**
 - **Bleeding Control Basic** - American College of Surgeons (2017)
 - **Emergency Medical Technician** - California EMSA License
E084811 (2011-2017)

Professional Memberships

- **International Liver Transplantation Society (ILTS)**
- **American Society of Transplant Surgeons (ASTS)**
- American College of Surgeons
- American Medical Association
- Pennsylvania Medical Society

Cultural Competencies

- **Transgender Conference** | November 2017 | Geisinger Commonwealth School of Medicine, Scranton, PA
 - Engaged in training to learn and support unique health needs of transgender individuals
- **Safe Zone Trained** | November 2017 | Geisinger Commonwealth School of Medicine, Scranton, PA
 - Acquired understanding of importance of language in creating affirming environments for LGBTQ individuals
- **Cross-Cultural Communication Trained** | November 2017 | Geisinger Commonwealth School of Medicine, Scranton, PA
 - Engaged in interactive activity to experience how culture plays vital role in navigating cultural spaces
- **Microaggression Training** | November 2017 | Geisinger Commonwealth School of Medicine, Scranton, PA
 - Interactive discussion regarding techniques to minimize microaggressions
- **Community Action Poverty Simulation** | November 2017 | Geisinger Commonwealth School of Medicine, Scranton, PA
 - Interactive, immersive experience to gain awareness of poverty and understand experiences of those living in low-income environment
- **Psychiatric Disability Empathy Training** | November 2017 | Geisinger Commonwealth School of Medicine, Scranton, PA

- Three-hour interactive training session on performing mental status exam in mock psychiatric emergency room
- **People with Disabilities as Teachers (PDAT) Training** | November 2017 | Geisinger Commonwealth School of Medicine, Scranton, PA
 - Communication with partners at Center for Independent Living to understand life and interactions of those living with disabilities

Personal Interests

- **Photography:** Nikon D60 with 50mm F/1.8G and 18-270mm F/3.5-6.3 lens
- **Programming and Data Analytics:** Proficient with R and Python (GitHub profile: moradaao)
- **Fantasy Sports:** 9-year basketball commissioner; basketball, football, and baseball champion
- **Fitness:** Backpacking, bowling, cycling, hiking, lifting, and running