

Colleen M Kiernan MD, MPH

Office Address: 2220 Pierce Avenue, 579 Preston Research Building, Nashville, TN 37232

Place of Birth: Joliet, Illinois

Education

Undergraduate Education

8/2001-5/2005 Michigan State University (East Lansing, MI), Bachelor of Science
Major: Science and Technology Studies, *high honors*

Professional Education

8/2006-5/2010 Indiana University Medical School (Indianapolis, IN), Doctor of Medicine

Graduate Education

8/2013-5/2015 Vanderbilt University (Nashville, TN), Masters in Public Health
Field: Epidemiology
Thesis: Utilization of Radioiodine after Thyroid Lobectomy in Patients with Differentiated Thyroid Cancer
Practicum: Cancer Registries: Can We Improve the Quality of Thyroid Cancer Data?

Postgraduate Training

7/2010-6/2013 Vanderbilt University, Department of Surgery, Resident
Program Director: John Tarpley, MD

7/2013-6/2015 Vanderbilt University, Department of Surgery, NIH Research Fellow
PI: James Goldenring, MD
Mentor: Carmen Solórzano, MD

7/2015-6/2016 Vanderbilt University, Department of Surgery, Resident
Program Director: Kyla Terhune, MD

7/2016-6/2017 Vanderbilt University, Department of Surgery, Administrative Chief
Resident
Program Director: Kyla Terhune, MD

8/2017-7/2019 University of Texas MD Anderson Cancer Center, Department of Surgery,
Complex General Surgical Oncology Fellow
Program Director: Elizabeth Grubbs, MD

Licensure and Certifications

Tennessee Medical License, Issued 2013, Renewed 2018, #50507

Texas Medical License, Issued 2017 #R2141

Diplomate of the American Board of Surgery, Issued 2017, #63222

DEA Registration Number, Issued 2017

Basic Life Support Provider, Expires 2/2021

Advanced Cardiac Life Support Provider, Expires 2/2021

Advanced Trauma Life Support Instructor, 2012-2017

Fundamentals of Laparoscopic Surgery Certification, 2015

Academic Appointments

2019 Assistant Professor Surgical Oncology and Endocrine Surgery
 Vanderbilt University Medical Center

Hospital Appointments

2017-2019 Clinical Specialist Surgical Oncology
 University of Texas MD Anderson Cancer Center

2019 Assistant Professor Surgical Oncology and Endocrine Surgery
 Vanderbilt University Medical Center

2019 Staff Surgeon
 Tennessee Valley Healthcare System

Professional Organizations

Alpha Omega Alpha, 2010-Current

Gold Humanism Honor Society, 2010- Current

American College of Surgeons 2010-Current

Association of Academic Surgeons 2012-Current

Society of Surgical Oncology 2019-Current

Professional Activities

Honors and Awards

1. Medical Directors Excellence Award. In recognition of outstanding scholastic and humanitarian achievements. Indiana University School of Medicine 2008.
2. Indiana University School of Medicine Senior Honors: General Surgery 2010.
3. Mary Jean Yoder Award. In recognition of high moral character, academic excellence and dedication to service to others. Indiana University School of Medicine 2010.
4. Indiana Chapter American College of Surgeons Award 2010.
5. Rosenbower Award in Surgery, Indiana University School of Medicine 2010.

6. William Riordan Jr. Resident Award, Vanderbilt University 2012.
7. H. William Scott Jr. Research Scholarship Award, Vanderbilt University 2012.
8. The Alfred Blalock Surgical Resident Award, Vanderbilt University General Surgery Department 2015.
9. Phillip Burns Cancer Paper Competition, 1st place Tennessee American College of Surgeons 2016.
10. The Harwell Wilson Award for Surgical Excellence. Given annually to the chief resident who epitomizes the ideas of patient care, research, and teaching. Vanderbilt University 2017.
11. Clinical Excellence Award. In recognition of outstanding clinical performance selected by the faculty of Department of Surgical Oncology. University of Texas MD Anderson Cancer Center 2019.
12. Excellence in Patient Care Award 2019. University of Texas MD Anderson Cancer Center 2019.

Teaching Activities

1. Instructor, Resident Teaching conference. Vanderbilt University. Pancreatic Neuroendocrine tumors 02/2012
2. Instructor, Resident Teaching conference. Vanderbilt University. Pediatric splenic trauma. 10/2012
3. Instructor, Intern skills session instructor. Vanderbilt University. Chest tube insertion, 09/2013
4. Instructor, Intern Summer School, Vanderbilt University, Imaging 07/2014
5. Instructor, Intern skills session, Vanderbilt University. Global assessment 12/2014
6. Instructor, Intern skills session, Vanderbilt University. Global assessment 12/2015
7. Instructor, Resident Teaching Conference. Vanderbilt University. Gallbladder cancer 08/2016
8. Instructor, Resident Teaching Conference. Vanderbilt University. Parathyroid disease 12/2016
9. Instructor, Resident Teaching Conference. Vanderbilt University. Adrenal nodules 12/2016
10. Instructor, Resident Teaching Conference. Vanderbilt University, Thyroid nodules, 12/2016
11. Instructor, Fellows Teaching Conference. MD Anderson Cancer Center, MEN-1, 2/2018
12. Instructor, Fellows Teaching Conference. MD Anderson Cancer Center, MEN-2, 6/2018
13. Instructor, Fellows Teaching Conference. MD Anderson Cancer Center, MEN Syndromes, 1/2019

14. Instructor, Endocrinology Fellows Conference. Vanderbilt University Medical Center, MEN Syndromes 12/2019
15. Instructor, Resident Teaching Conference, Vanderbilt University Medical Center, Adrenal Mass 1/2020
16. Instructor, Pediatric Endocrinology Teaching Conference. Vanderbilt University Medical Center, MEN Syndromes 1/2020.
17. Instructor, Resident Anatomy Lab. Vanderbilt University Medical Center, Neck Dissection 1/2020.

Research Program

Grants

Research Fellow, Surgical Oncology Training Grant, NIH T32CA106183, 07/01/2013-06/30/2015

Publications and Presentations

Articles in Peer Reviewed Journals

1. Yang Q, **Kiernan CM**, Tian Y, Salwen HR, Chlenski A, Brumback BA, et al. Methylation of CASP8, DCR2, and HIN-1 in Neuroblastoma is Associated with Poor Outcome. *Clinical Cancer Research*. 2007; 13(11):3191-7.
2. Buesing KL, Tracy ET, **Kiernan C**, Pastor AC, Cassidy LD, Scott JP, et al. Partial Splenectomy for Hereditary Spherocytosis: A Multi-Institutional Review. *Journal of Pediatric Surgery*. 2011;46(1):178-83.
3. Shinall MC, Jr., Broome JT, Nookala R, Shinall JB, **Kiernan C**, Parks L, 3rd, et al. Total Thyroidectomy for Graves' disease: Compliance with American Thyroid Association Guidelines May Not Always Be Necessary. *Surgery*. 2013; 154(5):1009-15.
4. **Kiernan CM**, Broome JT, Solórzano CC. The Bethesda System for Reporting Thyroid Cytopathology: A Single-Center Experience Over 5 Years. *Annals of Surgical Oncology*. 2014; 21(11):3522-7.
5. **Kiernan CM**, Du L, Chen X, Broome JT, Shi C, Peters MF, et al. Predictors of Hemodynamic Instability During Surgery for Pheochromocytoma. *Annals of Surgical Oncology*. 2014; 21(12):3865-71.
6. **Kiernan CM**, Shinall MC, Jr., Mendez W, Peters MF, Broome JT, Solórzano CC. Influence of Adrenal Pathology on Perioperative Outcomes: A Multi-Institutional Analysis. *American Journal of Surgery*. 2014; 208(4):619-25.
7. Amini N, Margonis GA, Kim Y, Tran TB...**Kiernan CM**... Maithel SK, et al. Curative Resection of Adrenocortical Carcinoma: Rates and Patterns of Postoperative Recurrence. *Annals of Surgical Oncology*. 2015.

8. Bagante F, Tran TB, Postlewait LM...**Kiernan CM**,... Wang TS, Evans DB, et al. Neutrophil-Lymphocyte and Platelet-Lymphocyte Ratio as Predictors of Disease Specific Survival After Resection of Adrenocortical Carcinoma. *Journal of Surgical Oncology*. 2015; 112(2):164-72.
9. **Kiernan CM**, Parikh AA, Parks LL, Solórzano CC. Use of Radioiodine After Thyroid Lobectomy in Patients with Differentiated Thyroid Cancer: Does it Change Outcomes? *Journal of the American College of Surgeons*. 2015;220(4):617-25.
10. Margonis GA, Amini N, Kim Y, Tran TB,...**Kiernan CM**,... Maithel SK, et al. Incidence of Perioperative Complications Following Resection of Adrenocortical Carcinoma and its Association with Long-Term Survival. *World Journal of Surgery*. 2015.
11. Margonis GA, Kim Y, Prescott JD, Tran TB,...**Kiernan CM**,... Maithel SK, et al. Adrenocortical Carcinoma: Impact of Surgical Margin Status on Long-Term Outcomes. *Annals of Surgical Oncology*. 2015.
12. Valero-Elizondo J, Kim Y, Prescott JD, Margonis GA, Tran TB...**Kiernan CM**,... et al. Incidence and Risk Factors Associated with Readmission After Surgical Treatment for Adrenocortical Carcinoma. *Journal of Gastrointestinal Surgery*. 2015; 19(12):2154-61.
13. Gerry JM, Tran TB, Postlewait LM, Maithel SK, Prescott JD, **Kiernan CM**... et al. Lymphadenectomy for Adrenocortical Carcinoma: Is There a Therapeutic Benefit? *Annals of Surgical Oncology*. 2016; 23(Suppl 5):708-13.
14. Glenn JA, **Kiernan CM**, Yen TW, Solórzano CC, Carr AA, Evans DB, et al. Management of Suspected Adrenal Metastases at 2 Academic Medical Centers. *American Journal of Surgery*. 2016; 211(4):664-70.
15. **Kiernan CM**, Schlegel C, Isom C, Kavalukas S, Peters MF, Solórzano CC. Ambulatory Bilateral Neck Exploration for Primary Hyperparathyroidism: Is it Safe? *American Journal of Surgery*. 2016; 212(4):722-7.
16. **Kiernan CM**, Schlegel C, Kavalukas S, Isom C, Peters MF, Solórzano CC. Does Concomitant Thyroidectomy Increase Risks of Parathyroidectomy? *The Journal of Surgical Research*. 2016; 203(1):34-9.
17. **Kiernan CM**, Whiteside MA, Solórzano CC. Cancer Registries: Can We Improve the Quality of Thyroid Cancer Data? *Annals of Surgical Oncology*. 2016.
18. Kim Y, Margonis GA, Prescott JD, Tran TB, Postlewait LM,...**Kiernan CM**,... et al. Nomograms to Predict Recurrence-Free and Overall Survival After Curative Resection of Adrenocortical Carcinoma. *JAMA Surgery*. 2016; 151(4):365-73.
19. Margonis GA, Kim Y, Tran TB, Postlewait LM, Maithel SK,...**Kiernan CM**,... et al. Outcomes After Resection of Cortisol-Secreting adrenocortical Carcinoma. *American Journal of Surgery*. 2016; 211(6):1106-13.
20. Postlewait LM, Ethun CG, Tran TB, Prescott JD, Pawlik TM,...**Kiernan CM**,... et al. Outcomes of Adjuvant Mitotane After Resection of Adrenocortical Carcinoma: A 13-

Institution Study by the US Adrenocortical Carcinoma Group. Journal of the American College of Surgeons. 2016; 222(4):480-90.

21. Tran TB, Postlewait LM, Maithel SK, Prescott JD, Wang TS,...**Kiernan CM**,... et al. Actual 10-year Survivors Following Resection of Adrenocortical Carcinoma. Journal of Surgical Oncology. 2016; 114(8):971-6.
22. **Kiernan CM**, Solórzano CC. Bethesda Category III, IV, and V Thyroid Nodules: Can Nodule Size Help Predict Malignancy? Journal of the American College of Surgeons. 2017; 225(1):77-82.
23. Kim Y, Margonis GA, Prescott JD, Tran TB, ...**Kiernan CM**,... et al. Curative Surgical Resection of Adrenocortical Carcinoma: Determining Long-Term Outcome Based on Conditional Disease-Free Probability. Annals of Surgery. 2017; 265(1):197-204.
24. Lee CW, Salem AI, Schneider DF, Levenson GE, Tran TB,...**Kiernan CM**,... et al. Minimally Invasive Resection of Adrenocortical Carcinoma: A Multi-Institutional Study of 201 Patients. Journal of Gastrointestinal Surgery: 2017;21(2):352-62.
25. Poorman CE, Postlewait LM, Ethun CG, Tran TB,...**Kiernan CM**,...et al. Blood Transfusion and Survival for Resected Adrenocortical Carcinoma: A Study from the United States Adrenocortical Carcinoma Group. American Surgical. 2017;83(7):761-768.
26. **Kiernan CM**, Weiss VL, Mehrad M, Ely, K, Baregamian N, Solórzano CC. New Terminology-Noninvasive Follicular Neoplasm with Papillary-Like Nuclear Features (NIFTP) and its Effect on the Rate of Malignancy at a Single Institution. Surgery. 2018; 163(1):55-59.
27. Poorman CE, Ethun CG, Postlewait LM, Tran TB...**Kiernan CM**...et al. A Novel T Stage Classification System for Adrenocortical Carcinoma: Proposal from the US Adrenocortical Carcinoma Study Group. Annals of Surgical Oncology. 2018; 25(2):520-527.
28. Marincola Smith P, **Kiernan CM**, Tran TB, Postlewait LM, Maithel SK et al. Role of Additional Organ Resection in Adrenocortical Carcinoma: Analysis of 167 Patients from the U.S. Adrenocortical Carcinoma Database. Annals of Surgical Oncology. 2018; 25(8):2308-2315.
29. Marincola Smith P, **Kiernan CM**, Solórzano CC. ASO Author Reflections: Additional Organ Resection in Adrenocortical Carcinoma. Annals of Surgical Oncology. 2018;25(Suppl 3)872-873.
30. **Kiernan CM**, Wang TS, Perrier ND, Grubbs EG, Solórzano CC. Bilateral Neck Exploration for Sporadic Primary Hyperparathyroidism: Utilization Patterns in 5,597 Patients Undergoing Parathyroidectomy in the Collaborative Endocrine Surgery Quality Improvement Program. Journal of the American College of Surgeons. 2019; 228(4):652-659.
31. Yang Y, Malakorn S, Maldonado K, Bednarski BK, **Kiernan CM** et al. The Pelvis First Approach for Robotic Proctectomy in Patients with Redundant Abdominal Colon. Annals of Surgical Oncology. 2019; 26(8):2514-2515.

32. Prendergast KM, Smith PM, Tran TB, Postlewait LM, ... **Kiernan CM**. Features of Synchronous Versus Metachronous Metastasectomy in Adrenal Cortical Carcinoma: Analysis from the US Adrenocortical Carcinoma Database. *Surgery*. 2019.

Book Chapters

1. **Kiernan CM**, Solórzano CC. Pheochromocytoma and Paraganglioma: Diagnosis, Genetics, and Treatment. *Surg Oncol Clin N Am*, 25(1), 119-138. 2016
2. **Kiernan CM**, Solórzano CC. Ultrasound as a Localization Technique in Hyperparathyroidism. *Advanced Thyroid and Parathyroid Ultrasound*. Springer. 2017.
3. **Kiernan CM**, Lee JE. Minimally Invasive Surgery for Primary and Metastatic Adrenal Malignancy. *Surg Oncol Clin N Am*. Elsevier. 2019.
4. **Kiernan CM**, Grubbs EG. Surgical Management of MEN-1 and MEN-2. *Surgical Oncol Clin N Am*. Elsevier. 2019.

Presentations at Scientific Meetings

Peer Reviewed Oral Presentations:

1. **Kiernan CM**, Shinall MC, Mendez W, Broome JT, Peters MF, Solórzano CC. Influence of Adrenal Pathology on Perioperative Outcomes: A Multi-institutional Analysis. Academic Surgical Congress, San Diego, CA, February 2014.
2. **Kiernan CM**, Du L, Chen Xi, Broome JT, Shi C, Peters MF, Solórzano CC. Predictors of Hemodynamic Instability During Surgery for Pheochromocytoma. Academic Surgical Congress, San Diego, CA, February 2014.
3. **Kiernan CM**, Broome JT, Solórzano CC. The Bethesda System for Reporting Thyroid Cytopathology: A Single Center Experience Over Five Years. Society of Surgical Oncology 67th Annual Cancer Symposium. Phoenix, AZ, March 2014
4. **Kiernan CM**, Parikh AA, Parks LL, Solórzano CC. Use of radioiodine after thyroid lobectomy in patients with differentiated thyroid cancer: does it change outcomes? 126th Annual Meeting of the Southern Surgical Association. Palm Beach, FL, December 2014.
5. **Kiernan CM**, Schlegel C, Peters MF, Solórzano CC. Vitamin D levels are not associated with postoperative PTH elevation after parathyroidectomy. Academic Surgical Congress. Las Vegas, NV, February 2015
6. **Kiernan CM**, Idrees K, Merchant NB, Parikh AA. Disparities in the treatment and outcomes of colon cancer patients from a health insurance perspective. Academic Surgical Congress. Las Vegas, NV, February 2015
7. **Kiernan CM**, Isom C, Kavalukas S, Schlegel C, Peters MF, Solórzano CC. Outpatient parathyroidectomy: bilateral neck exploration compared to focused-approach. World Congress of Surgery-International Association of Endocrine Surgeons Annual Meeting. Bangkok, Thailand, August 2015.

8. **Kiernan CM**, Schlegel C, Kavalukas S, Isom C, Peters MF, Solórzano CC. Does Concomitant Thyroidectomy Increase the Perioperative Complications of Parathyroidectomy? Academic Surgical Congress. Jacksonville, FL, February 2016.
9. **Kiernan CM**, MA Whiteside, CC Solórzano. Cancer Registries: Can We Improve the Quality of Thyroid Cancer Data. Plenary. Society of Surgical Oncology 69th Annual Cancer Symposium. Boston, MA, March 2016.
10. **Kiernan CM**, CC Solórzano. Bethesda Category III, IV, V Thyroid Nodules: Can Size Help Predict Malignancy. Western Surgical Association Annual Meeting. Coronado Bay, CA, November 2016.
11. **Kiernan CM**, CC Solórzano. Utilization of External Beam Radiation in Differentiated Thyroid Cancer. Academic Surgical Congress. Las Vegas, NV, February 2017.
12. **Kiernan CM**, Weiss VL, Mehrad M, Ely K, Baregamian N, Solórzano CC. New Terminology Noninvasive Follicular Neoplasm with Papillary-like Nuclear Features (NIFTP) and its Effect on the Rate of Malignancy at a Single Institution. American Association of Endocrine Surgeons 38th Annual Meeting, Orlando, FL, April 2017.
13. **Kiernan CM**, Wang TS, Perrier ND, Grubbs EG, Solórzano CC. Bilateral Neck Exploration for Sporadic Primary Hyperparathyroidism: Utilization Patterns in 5,597 Patients Undergoing Parathyroidectomy in the Collaborative Endocrine Surgery Quality Improvement Program. 130th Annual Meeting of the Southern Surgical Association. Palm Beach, FL, December 2018.

Peer Reviewed Poster Presentations

1. **Kiernan CM**, Breckler FD, West KW, Leys CM, Rescorla FR. Oil and Phenol Do Mix: Use of sclerotherapy for Treatment of Rectal Prolapse in Children, One Institution's Experience. American Academy of Pediatrics Annual Meeting. San Francisco, CA, October 2010.
2. **Kiernan CM**, Du L, Chen X, Whiteside M, Solórzano CC, Hooks M Increasing Mastectomy Rates: A review of the Tennessee Breast Cancer Registry. SSO Annual Meeting. March 2014
3. **Kiernan CM**, Idrees K, Merchant NB, Parikh AA. Disparities in the treatment and outcome of rectal cancer patients from a health insurance perspective. Society of Surgical Oncology 68th Annual Cancer Symposium. Houston, TX, March 2015.
4. **Kiernan CM**, Solorzano CC, Miller BS, Perrier ND, Lee JE, Gauger PG, Grubbs EG, Wang TS Adrenalectomy Volume-Related Outcomes of CESQIP-participating Surgeons. American Association of Endocrine Surgeons 39th Annual Meeting, Durham, NC, May 2018.
5. **Kiernan CM**, Solorzano CC, Miller BS, Perrier ND, Lee JE, Gauger PG, Grubbs EG, Wang TS Practice Trends and Outcomes of Adrenal Surgeons: A Comparison of Data from CESQIP and NSQIP. American Association of Endocrine Surgeons 39th Annual Meeting, Durham, NC, May 2018.
6. **Kiernan CM**, Graham P, Lee JE, Perrier ND, Zafereo ME, Cote G, Hu M, Grubbs EG Staging of Medullary Thyroid Carcinoma: What about MX disease? American Thyroid Association 88th Annual Meeting, Washington, DC, October 2018.

7. **Kiernan CM**, Rajkot N, Bishop AJ, Hahn S, Guadagnolo BA, Roland C, Nguyen QN, Feig B
Acute Postoperative Wound Complications Following Preoperative Proton Beam Irradiation for
Soft Tissue Sarcoma. CTOS Annual Meeting, Rome, Italy, November 2018.