

CURRICULUM VITAE

March 23, 2021

I. PERSONAL

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Personal: e-mail: carmen.solorzano@vumc.org
DOB: 12/08/1966
Place of birth: Managua, Nicaragua
Citizenship: USA

II. EDUCATION

January 1986 - June 1987 Associate in Arts Degree
Miami Dade College
Miami, FL

July 1987 - May 1989 Bachelor of Science, Microbiology
University of Florida
Gainesville, FL

July 1989 - May 1993 Doctor of Medicine
University of Florida College of Medicine
Gainesville, FL

July 1993 - June 1999 General Surgery Internship and Residency
Shands Hospital, University of Florida, Gainesville, FL

July 1995 - June 1996 Post-Doctoral Research Fellow, Department of Surgery
University of Florida College of Medicine, Gainesville, FL
Mentor: Lyle L. Moldawer, PhD

July 1999 - June 2000 Post-Doctoral Research Fellow, Surgical Oncology
U.T. MD Anderson Cancer Center, Houston, TX
Mentor: Isaiah Fidler DVM, PhD

July 2000 - June 2002 Surgical Oncology Clinical Fellow
U.T. MD Anderson Cancer Center, Houston, TX

Licensure and Board Certifications

1994 - present	National Board of Medical Examiners
1996 - present	DEA Registration (Class 2, 2N, 3, 3N, 4, 5)
2000, 2009	American Board of Surgery
2010 - present	State of Tennessee Medical License
Expired	State of Florida, Texas and Illinois Medical Licenses

III. ACADEMIC APPOINTMENTS

August 2002 - April 2005	Assistant Professor of Surgery University of Miami School of Medicine, Miami, FL
May 2005 - August 2006	Assistant Professor of Surgery Rush Medical College, Chicago, IL
September 2006 - January 2010	Associate Professor of Surgery Chief of Endocrine Surgery University of Miami School of Medicine, Miami, FL
February 2010 - April 2011	Associate Professor of Surgery Director of Vanderbilt Endocrine Surgery Center Vanderbilt University School of Medicine, Nashville, TN
May 2011	Professor of Surgery Director of Vanderbilt Endocrine Surgery Center Vanderbilt University School of Medicine, Nashville, TN
September 2012 - March 2016	Chief, Division of General Surgery Veterans Administration TN Valley Health, Nashville, TN
February 2015	Interim Chief Division of Surgical Oncology and Endocrine Surgery Vanderbilt University School of Medicine, Nashville TN
December 2015 - June 2019	Chief Division of Surgical Oncology and Endocrine Surgery Deputy Vice Chair of Surgery Vanderbilt University School of Medicine, Nashville TN
July 2018 - May 2019	Interim Chair, Department of Surgery Vanderbilt University School of Medicine, Nashville TN

June 2019 - present Chair, Department of Surgery
 Vanderbilt University School of Medicine, Nashville TN

May 8, 2020 - present John L. Sawyers Chair in Surgical Sciences
 Vanderbilt University School of Medicine, Nashville TN

IV. HOSPITAL APPOINTMENTS

July 2000 - June 2002 Junior Faculty Attending
 U.T. MD Anderson Cancer Center
 Houston, TX

August 2002 - April 2005 Attending Physician
 UMHC/ Sylvester Cancer Center, Miami, FL
 Jackson Memorial Medical Center, Miami, FL

May 2005 - August 2006 Attending Physician
 Rush University Medical Center, Chicago, IL

September 2006 - January 2010 Attending Physician
 UMHC/ Sylvester Cancer Center, Miami, FL
 University of Miami Hospital, Miami, FL
 Jackson Memorial Medical Center, Miami, FL

February 2010 - present Attending Physician
 Vanderbilt University Hospital, Nashville, TN

December 2011 - present Staff Surgical Oncologist and Endocrine Surgeon
 Veterans Administration, Nashville, TN

V. PROFESSIONAL ORGANIZATIONS

Professional Organizations

1992 Alpha Omega Alpha, Inducted as junior medical student
 1999 Woodward Society University of Florida
 2000 North American Surgical Oncology Group, Member
 2003 International Association of Endocrine Surgeons, Member
 2003 International Society of Surgery, Member
 2003 Association for Academic Surgeons, Member
 2003 American Association of Clinical Endocrinologists
 2004 American College of Surgeons, Fellow
 2005 American Association of Endocrine Surgeons, Member
 2006 Society of Surgical Oncology, Fellow
 2006 Chicago Surgical Society, Corresponding Member

2006 Central Surgical Association, Member
 2006 Western Surgical Association, Member
 2007 American Thyroid Association, Member
 2009 Society of University Surgeons, Member
 2011 Southern Surgical Association, Fellow
 2016 American Surgical Association, Fellow
 2019 Association of Women Surgeons
 2019 International Surgical Group
 2021 Latino Surgical Society

Professional Organizations Committees

American Association for Cancer Research

2016-current AACR Gastrointestinal Scientific Review Committee - Neuroendocrine tumors

American Association of Clinical Endocrinologists

2009-present Endocrine Surgery Committee
 2014-2015 Program Committee
 2018-present Member of Disease State Networks: parathyroid, thyroid and adrenal

American Association of Endocrine Surgeons

2006-2009 Scientific Program Committee (review of 350 abstracts)
 2006-2009 Fellowship Program Directors, Sub-Committee
 2011-2012 Education and IT Committee
 2012-2013 Councilor at Large
 2012-2013 Chair, Membership Committee
 2013 Management Council Member
 2014-2016 Parathyroid Surgery Guidelines Task Force
 2015 Local Arrangements Chair (Nashville Meeting 2015)
 2017-2018 Vice President
 10/2018-10/2021 Surgical Specialty Society Governor
 April 2019 Core Faculty, Endocrine Surgery University presented by AAES
 May 2019-present Expert Society Representative to Society of Nuclear Medicine and Molecular Imaging
 - Committee on Appropriate Use Criteria for Nuclear Medicine in the Treatment of Differentiated Thyroid Cancer
 July 2020 Core Faculty, Endocrine Surgery University presented by AAES

American Board of Surgery

2013-2016 Consultant Committee Certifying Exam (Endocrine)
 2014 Associate Examiner for Certifying Exam
 2017-2020 Chair, Consultant Committee Certifying Exam Endocrine Question Writing Group (Endocrine)
 2020-present Consultant, Certifying Exam Endocrine Question Writing Group (Endocrine)

American College of Surgeons

2013, 2015, 2016	Abstract Review Task Force (200 abstracts)
2016-2017	ACS Surgical Standards Thyroid Working Group
10/2018-10/2021	Board of Governors
10/2019-10/2021	Board of Governors Liaison to the Commission on Cancer (CoC)
2019-2021	ACS Surgical Standards Thyroid and Adrenal Cancer Working Group
2021-present	Thyroid Synoptic Operative Report (SOR) Development Workgroup, Cancer Surgery Standards Program

American College of Surgeons, Florida Chapter

2009-2010	Councilor
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American College of Surgeons, Tennessee Chapter

2018	Chair, Program Committee
2020-2023	Secretary Treasurer

American Thyroid Association

2012-2015	Publications Committee
2016-2018	Surgical Affairs Committee
2019-present	Ethics Committee
2019-present	ATA guidelines for the management of thyroid nodules
2021-present	VideoEndocrinology EIC Search Task Force

Association for Academic Surgery

2008-2009	Education Committee
2009-2010	Co-Chair, Education Committee
2010-2011	Leadership Committee
2011-2013	Councilor at Large, Class of 2003
2012-2013	Nominating Committee

Latino Surgical Society

2021-present	LSS Advisory Board
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Society of Surgical Oncology

2006-2010	Fellowship Training Committee
2006-2010	Disparities Committee
2009-2010	Fellowship Curriculum Task Force
2013-2016	Scientific Program Committee
2013-2016	Abstract Review Committee (review of 250 abstracts)
2017-2019	Endocrine Head/Neck Disease Site Workgroup
May 2019-present	Expert Society Representative to the American College of Radiology - Committee on Appropriateness Criteria: Parathyroid Imaging
2020-present	Vice Chair, Endocrine Head and Neck Disease Site Working Group
2020	Executive Council Member
2021	SSO Endocrine DSWG - 2021 Education Initiatives
4/1/21-3/31/23	Chair, Endocrine Head and Neck Disease Site Working Group
4/1/21-3/31/23	Education Council Member

Society of University Surgeons

2010-2013	Committee on Publications (review of 400 abstracts)
2016	Newsletter Task Force
2016-2018	SUS Representative to AAMC-Council of Faculty and Academic Societies
2016-2018	Social and Legislative Issues Committee
2017	Nominating Committee
2018-present	Foundation Board Member
2020-2022	Equity, Diversity and Inclusion (EDI) Committee

Southern Surgical Association

2021-present	Diversity, Equity, and Inclusion Ad Hoc Committee
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Western Surgical Association

2016-2019	Program Committee (575 abstracts and 33 videos)
2019	Program Chair, Annual Meeting

VI. PROFESSIONAL ACTIVITIES**University (Intramural) Committee and Administrative Responsibilities*****Rush University Medical Center***

6/2005-8/2006	Computerized Physician Order Entry-Advisory Committee
6/2005-8/2006	Graduate Medical Education Committee
7/2005-8/2006	Director, Endocrine Surgery Fellowship

University of Florida

2010-2011	President Elect, Woodward Surgery Alumni Society
2011-2012	President, Woodward Surgery Alumni Society
2012-2013	Past President, Woodward Surgery Alumni Society

University of Miami Sylvester Cancer Center

2003-2005	Infection Control Committee
2003-2005	Tissue/Pathology Committee
9/2006-1/2010	Co-Leader of the Thyroid and Other Endocrine Tumors Site disease group

University of Miami, Miller School of Medicine

2004-2005	Medical School Admissions Committee Member
2004-2010	Resident Interviews (Applicants to Miami Surgical Residency) 6 potential residents/year
9/2006-1/2010	Chief, Division of Endocrine Surgery
2/2008-1/2010	Honors Program Medical Education Committee

University of Miami Hospital

1/2009-1/2010	Tissue/Pathology Committee
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University of Wisconsin School of Medicine and Public Health - Wisconsin Surgical Outcomes Research Program (WiSOR)

2020-2025 PATCAM Advisory Group Member for NIH funded study entitled, “Estimating and Mitigating Thyroid Cancer Overdiagnosis: A Mathematical Modeling Approach” (1R01CA251566-01)

Vanderbilt-Ingram Cancer Center

1/2011-2018 Cancer Committee Member
 9/2011-2018 American College of Surgeons Commission on Cancer-Liaison Physician
 8/2019-present Vanderbilt Breast Center (VBC) Steering Committee

Vanderbilt University Medical Center

2/2010-present Director of Endocrine Surgery Center
 8/2010-11/2011 Resident Coordinator, Division of Surgical Oncology
 3/2011-2014 Physician Council for Clinical Excellence
 3/2012-3/2013 Medical Economic Outcomes Committee
 7/2016-present Patient Advocacy Reporting System Messenger
 10/2018-2020 Pathology, Microbiology & Immunology (PM&I) Chair Search Committee
 10/2018-1/2019 Endowed McClain Family Directorship in Gastroenterology Committee
 4/2019-6/2019 Chair, Program Director Search Committee, Department of Surgery
 8/2019-2/2020 Chair, Surgical Oncology & Endocrine Surgery Chief Search Committee, Department of Surgery
 11/2019-present Chair, Trauma and Surgical Critical Care Chief Search Committee, Department of Surgery
 6/2020-present Endowed Chair Review Committee for the Accenture Chair in Biomedical Informatics
 2021 Vascular Surgery Chair Search Committee

Vanderbilt University School of Medicine

7/2012-6/2014 Faculty Appointments and Promotions Committee
 Spring 2013 Ad Hoc Committee - Clinician Track
 - Revision of Promotion Guidelines

Veterans Administration, Nashville, TN

9/2012/2016 American College of Surgeons Commission on Cancer-Liaison Physician
 9/2012/2016 Chair, Cancer Committee

Extramural

Editorial Board Member

2009-present Journal of Thyroid Research
 2012-present Journal of Surgical Oncology
 2014-present Annals of Surgical Oncology
 2018-present World Journal of Surgery
 6/2020-present American Journal of Surgery, Associate Editor

Ad-Hoc Peer Review

2004-present	Annals of Surgical Oncology
2005	American Journal of Surgery
2006-present	World Journal of Surgery
2006-present	Surgery
2008	Future Drugs Ltd.
2008	Journal of Postgraduate Medicine
2008	Cancer Control (Moffitt Cancer Center)
2008-present	Journal of Surgical Research
2009	Reports in Medical Imaging - Dove Medical Press
2009-present	Journal of American College of Surgeons
2009-present	Journal of Surgical Oncology
2009-present	Annals of Surgery
2010	Expert Review of Endocrinology and Metabolism
2010-present	Head and Neck
2012-present	Journal of Pediatric Surgery
2014-present	Journal of Clinical Endocrinology and Metabolism
2018	PLOS

Honors and Awards

1986	Outstanding Academic Achievement Award For academic achievements at Miami Dade Community College
1987	Pre-Professional Service Recognition Award Given by the honor premedical society AED to premedical student who has demonstrated outstanding community service
1989	Phi Beta Kappa In recognition of high attainments in liberal scholarship at the University of Florida chapter
1990	Medical Guild Award for Academic Excellence Awarded by the medical guild to 1 st year medical student who has demonstrated academic excellence at the University of Florida
1991	Haven Perkins Award Awarded by the Department of Anesthesiology to 2 nd year medical student who has demonstrated academic excellence at the University of Florida
1992	Alpha Omega Alpha (Junior) Honor Medical Society, University of Florida chapter
1993	Dr. Donahoe Memorial General Surgery Award

Awarded by the surgery faculty at the University of Florida to the senior medical student who has chosen a career in the field of surgery and has exhibited superior skill and dedication to patients.

- 1996 **Semifinalist, Suskind Award, Surgical Infection Society**
Second best research paper at the annual meeting of the Surgical Infection Society.
- 1999 **Outstanding Teaching Resident Award**
Awarded by the surgical residents to a fellow resident in recognition of academic excellence in service to house staff, students and faculty
- 1999 **Edward R. Woodward Surgical Resident's Award**
Awarded by the surgical faculty at the University of Florida to the surgical resident who embodies outstanding qualities in scholastics, teaching, and patient care
- 2000 **Awarded, Research Fellowship, Molecular Biology and Clinical Oncology Workshop, American Association for Cancer Research/American Society for Clinical Oncology**
- 2000 **AACR Minority Scholar Award in Cancer Research**
Given to minority postdoctoral research fellows involved in cancer research
- 2002 **Awarded, Research Fellowship, Methods in Clinical Cancer Research Workshop - American Association for Cancer Research/American Society for Clinical Oncology**
- 2002 **The Lotzova Memorial Research Award**
Given by the surgery faculty of the University of Texas MD Anderson Cancer Center in recognition of excellence in research
- 2006 **The Rush University/John H. Stroger Jr. Hospital of Cook County Research Award**
Given to a junior faculty to encourage research collaboration between two hospitals
- 2008, 2009 **Florida Super Doctors- South Florida Edition**
Given to the top 5% of South Florida doctors. Web at superdoctors.com
- 2009-2010 **Who's Who In Medicine and Healthcare**
- 2009-2020 **Castle Connolly Top Doctor (annually)**
- 2009-2018 **Best Doctors in America (annually)**
- 2010-2011 **Guide to America's Top Surgeons (Consumers Research Council of America)**
- 2010-2014 **Best Doctors in Middle Tennessee (annually)**

- 2011 **Awarded** the 2011 Leadership Exchange and International Visiting Professorship Award by the AAS and Younger Fellows Committee of the Royal Australasian College of Surgeons (RACS)
- 2011-2020 **Nashville Top Doctors** (annually)
- 2011-2020 **Castle Connolly Top Cancer Doctor** (annually)
- 2012 **Who’s Who in America** (annually)
- 2014 **Awarded the Kim Ephgrave-Visiting Professorship Program** by the Association of Women Surgeons

Named Lectures

- 2021 Kirby I. Bland Visiting Lectureship, “Surgery As A Career: How I Ended Up Here, Lessons Learned”, University of Alabama at Birmingham, March 1-2, 2021

VII. TEACHING ACTIVITIES

Teaching Medical Students

- 8/02 - 4/05 Faculty tutor, Junior Surgical Clerkship (MD3)
University of Miami School of Medicine, Miami, FL
Two-hour lecture every two months to 20 medical students
- 1/03 - 4/05 Faculty observer, OSCE Examination
University of Miami School of Medicine, Miami, FL
Observing a history and physical exam 15-20 medical students/year
- 7/05 - 8/06 Faculty examiner, MD3 Surgical Skills, Department of Surgery
Rush University, Chicago, IL
Practical skills exam every two months to 25 medical students
- 7/05 - 8/06 Faculty lecturer, MD3 Surgical Clerkship
Rush University, Chicago, IL
One-hour lecture every 6 weeks
- 9/06 - 1/10 Faculty examiner, Junior Surgical Clerkship (MD3)
University of Miami School of Medicine, Miami, FL
Oral exams every two months to 3-4 medical students
- 9/06 - 1/10 Faculty observer, OSCE Examination
University of Miami School of Medicine, Miami, FL
Observing a history and physical exam 15-20 medical students/year
- 8/10 – 12/15 Faculty lecturer, Surgical Clerkship (MD3)

Vanderbilt University Medical School, Nashville, TN
One-hour lecture every two months to 25 medical students

8/10 – 12/15 Faculty examiner, Surgical Clerkship (MD3)
Vanderbilt University Medical School, Nashville, TN
Oral exam to 2-3 students every two months (1.5 hours)

Teaching Surgical Residents

8/02 - 4/05 Director, Endocrine Surgery Teaching Conference, Department of Surgery
University of Miami School of Medicine, Miami, FL
One-hour weekly conference (2 interns, 2 residents, 3 MS3, 4 faculty)

1/03 - 4/05 Co-Director, Endocrine Surgery Fellowship, Department of Surgery
University of Miami School of Medicine, Miami, FL

5/05 - 8/06 Director, Endocrine Surgery Research, Department of Surgery
Rush University Medical Center, Chicago, IL

6/05 - 8/06 Faculty examiner, Junior and Senior Surgical Residents
Rush University, Chicago, IL
Mock oral exams (12 hours yearly)

9/05 - 8/06 Faculty Director
Journal Club for Rush General Surgery Residents
Monthly (2-hour sessions)

4/07 - 4/09 Faculty teacher, Basic Science conference, Endocrine
One-hour lecture once a year in April

3/06/08 Mock Oral Exams University of Miami Senior Residents
7 senior residents, 1 hour each

3/09 Faculty Author, American Board of Surgery - SCORE project
Author of two modules for surgical resident teaching:
Abdomen general: Rectus Sheath Hematoma and
Alimentary tract large intestine: Neoplasms of Appendix

7/09 - 1/10 Tutoring for In-training Exam in General Surgery
N. Alvarez - PGY4 general surgery - 1 hour per week

9/02/2011 Intern Olympics (2 hours testing CVL insertion)

1/14/2016 Intern Skill Global Assessment (2hr, CVL insert, consent, bad news)

Resident Teaching Conference - Senior Residents

4/02/10	Thyroid and Parathyroid (PGY4/5)
10/15/10	Adrenal Tumors- (PGY4/5, 1hr)
5/01/2015	Endocrine Tumors - 2 hours
5/2016	Endocrine Tumors - 1 hour
2017	Thyroid and parathyroid- 1 hour (PGY2/3)
2017	Thyroid and Adrenal- 1 hour (PGY4/5)
2017	Endocrine Tumors- 1 hour (PGY2)
2018	Adrenal Tumors- 1 hour (PGY4/5)
2019	Endocrine Tumors - 1 hour (PGY2)
11/01/19	Thyroid/Mock Orals (PGY4/5, 6 residents)
4/06/20	Parathyroid/Mock Orals – 1 hour (6 residents)

Mock Oral Exams to Senior Residents - Vanderbilt University

3/26/10	Endocrine, 1 hour (6 residents)
5/14/10	All topics, 2 hours (3 residents)
2/11/11	Adrenal tumors (6 residents)
2/2012	Thyroid tumors (6 residents)
2/2013	Thyroid tumors (6 residents)
2/2013	Adrenal tumors (6 residents)
5/2013	All topics, 2 hours (3 residents)
10/2013	Endocrine, 1 hour (3 residents)
5/2014	All topics, 2 hours (3 residents)
5/2016	All topics, 2 hours (3 residents)
5/2017	All topics, 2 hours (3 residents)
5/2019	All topics, 2 hours (3 residents)
6/2019	Make-up Session (3 residents)
11/2019	Thyroid, 1 hour (6 residents)
5/2020	All topics, 2 hours (3 residents)

Mock Oral Exams - Fellows, University of Miami

2003	Beth Snell, MD (2 hours)
2003	TM Lee, MD (2 hours)
2007	M Sneider, MD (2 hours)
2008	Azad Jabiev, MD (2 hours)
2009	Daniel Pust, MD (2 hours)

Mock Oral Exams - Residents, Vanderbilt University

2010	Lisa White, MD
2010	George Lawson, MD
2010, 2011	Leland Webb, MD
2010, 2011	Kyla Terhune, MD
2011	Douglas Burka, MD
2011	Matt Borkon, MD
2011, 2012	Christina Bailey, MD
2011, 2012	Walter Schratt, MD

2012	Khubaib Mapara, MD
2013	Robert Yates, MD
2013	J. Joshua Smith, MD
2014	Michael Corey, MD
2014	Susan George, MD
2016	Catherine Kling
2016	Eileen Dugan
2016	Ricky Shinall
2017	Evan Brownie
2017	Britney Grayson
2017	Mat Linger
2017	William McMaster

Bonus Teaching Conference - Vanderbilt University

8/18/10	Gastric cancer, 30 min (all residents)
2/09/11	Adrenal mass, 30 min (all residents)
3/30/11	Endocrine surgery update, 30 min (all residents)
11/23/11	Management of the thyroid mass, 30 min (all residents)
10/10/12	Pancreatic neuroendocrine tumors, 30 min (all residents)
3/2016	Adrenal mass, 30 min (all residents)
2017	Adrenal mass, 30 min (all residents)

Research/Clinical Supervision of Surgery Fellows and Residents

Fellows

2003	TM Lee (Private Practice, Chicago, IL)
2003	N Hodgson (Associate Professor, McMaster University, Ontario, Canada)
2004	JI Lew (Associate Professor, University of Miami, Miami, FL)
2005	T Beyer (Associate Professor, Albany Medical School, Albany, NY)
2006	N Nilubol (Assistant Professor, NIH Surgery Branch, Bethesda, MD)
2006	DM Carneiro-Pla (Professor, Medical University of South Carolina, Chls, SC)
2007	W Mendez (Professor & Program Director, University of Puerto Rico, PR, USA)
2008	M Sneider (Private Practice, Minneapolis, MN)
2009	A Jabiev (Assistant Professor Tufts University, Baystate Hospital, Springfield, MA)
2010	J Cannon (Assistant Professor of Surgery, Wake Forest, NC)

Residents/Medical Students/Undergraduate Students

2005	NR Alvarez (Surgical Resident, University of Miami) - Choriocarcinoma metastases to the pancreas.
2006	M. Rodriguez (Surgical Resident, University of Miami) - Intra-operative PTH dynamics.
2010	Rebecca A. Snyder (Surgical Resident, Vanderbilt University) - FNA of thyroid before Bethesda.

- 2010 William C. Beck (Surgical Resident, Vanderbilt University) - Hypercalcemic crisis-outcomes.
- 2011 J. Joshua Smith (Surgical Resident, Vanderbilt University) - Incidence of thyroid cancer in patients referred for thyroidectomy for benign disease.
- 2012 R. Nookala (Medical Student)- The influence of thyroidectomy for Graves' disease on patients' weight. Outcomes of open adrenalectomy, a multi-institutional review.
- 2012 Myrick "Ricky" Shinall, Jr. (Surgical Resident, Vanderbilt University) - Outcomes of total thyroidectomy for Graves' disease. Hyperparathyroidism underdiagnosed? NF-1 and Pheochromocytoma.
- 2012 A. Baker (Undergraduate applying to medical school) - Potassium iodide prior to thyroidectomy for Graves' disease: Is it necessary?
- 2013 S. Walia (Undergraduate student applying to medical school) - Incidence of PTH elevation in patients with bilateral neck exploration for parathyroid disease.
- 2013-2017 Colleen M. Kiernan (Surgical Resident, VUMC - MPH)- Pheochromocytoma, parathyroid, and thyroid cancer research topics, NCDB thyroid cancer, Adrenocortical carcinoma multi-institutional collaborative, CESQIP adrenal outcomes compared to NISQIP
- 2015-2019 Cameron Schlegel (Surgery Resident, Vanderbilt University)-parathyroid
- 2016-2018 Melisa K. Stewart (Surgery Resident, VUMC) Association of VA Surgeons-Ambulatory parathyroidectomy
- 2016-present Emmanuel Mannoh (Undergraduate Student, Vanderbilt University) Laser Speckle Contrast Imaging to Assess Parathyroid Perfusion - PhD Dissertation Committee
- 2018 Paula Marincola Smith (Surgical Resident, VUMC) Adrenocortical carcinoma experience US consortium
- 2018 Pranit Chotai (Surgical Resident, VUMC) Usefulness of intraoperative PTH during intended bilateral neck exploration
- 2018 Katherine Prendergast (Medical Student, VU) Outcome of adrenocortical carcinoma resection of synchronous vs. metachronous metastases
- 2018 Kathleen Gallagher (Medical Student, VU) Thyroid cancer in veterans of Iraq war, US imaging in patients with uremic hyperparathyroidism
- 2018 Gretchen Edwards (Resident in Research, VUMC) – MPH Committee

Junior Faculty Mentoring

- 2019-present Colleen Kiernan, MD, MPH
- 2021-present Jill Streams, MD

Department of Surgery INVEST Program Liaison

- 2020-present Brandon Williams
Christine Deyholos
Christina Bailey
Deepa Magge
Meredith Duke
Richard Pierce
Raeshell Sweeting

Teaching Recognition

Edward R. Woodward Surgical Resident's Award, 1999

Awarded by the surgical faculty at the University of Florida to the surgical resident who embodies outstanding qualities in scholastics, teaching, and patient care.

Outstanding Teaching Resident Award in General Surgery, 1999

Presented by the surgical faculty and house staff at the University of Florida to a senior resident in recognition of academic excellence in service to the house staff, students and faculty.

Distinguished Mentor, 2001

"A day at the American College of Surgeons." Fellows and members meet with high school students to promote the field of surgery. Awarded by the American College of Surgeons.

Attending of the Year, nomination, 2004

From the senior general surgery residents at University of Miami

Attending of the Year, nomination, 2006

From the senior general surgery residents at Rush University

Teaching Commendation, 2006

From 3rd year Rush University medical students for excellence in teaching

Chair's Faculty Excellence in Teaching Award, 2018

Awarded to those faculty members who had top evaluation in a given academic year from trainees

John L. Sawyers Teaching Award, 2018

Awarded by the Vanderbilt University graduating General Surgery Chief resident class for outstanding contributions to surgical education by a member of the surgical faculty at the Vanderbilt University School of Medicine (considered the highest honor for a teaching faculty member)

VIII. OTHER SIGNIFICANT ACTIVITIES

Medical participant in the local "Run for the Cure" to benefit Breast Cancer Research, Miami, FL, 2002.

Creating a liaison between PanCAN (pancreatic cancer support organization) regional volunteers and the Sylvester Cancer Center, Miami, FL, 2003.

Community lecture: Thyroid Cancer. Sylvester Cancer Center at Deerfield Beach, Deerfield Beach, FL, December 2006.

Medical volunteer: Charitable surgical mission sponsored by Altos Hornos de Mexico. Monclova, Mexico, November 2007.

Community lecture: Adrenal Tumors. Sylvester Cancer Center at Deerfield Beach, FL, March 2007.

Medical volunteer: Charitable surgical mission sponsored by Altos Hornos de Mexico. Monclova, Mexico, August 2008.

Medical staff volunteer: Miami Marathon, FL, January 28, 2008.

Co-Organizer of Multiple Endocrine Neoplasia Seminar - Sponsored by Vanderbilt University Medical Center and AMEN MEN support group. Teaching families about MEN1 and MEN2. Nashville, TN, September 2013.

Co-Organizer of the Multiple Endocrine Neoplasia Seminar- Sponsored by Vanderbilt University Medical Center and AMEN MEN support group. One day seminar with lectures for patients and families (50-6- attendees). Nashville, TN, February 2017.

ACS Surgeons as Leaders: From Operating Room to Boardroom Course, offered by the Division of Education of the American College of Surgeons. Durham, NC. April 28, 2019 – May 1, 2019.

IX. RESEARCH PROGRAM

Funded Research

T32 Grant (PI: Moldawer, LL) 7/95 - 6/96

National Institute of General Medical Sciences

Post-doctoral research training grant “Cytokines and Sepsis”

100% Effort

University of Florida, Department of Surgery, Gainesville, FL

T32 Grant (PI: Ellis, LM and Fiddler, IJ) 7/99 - 6/02

Post-doctoral research training grant “Angiogenesis in Pancreatic Cancer”

100% Effort

UT MD Anderson Cancer Center, Surgical Oncology, Houston, TX

Rush/Cook County Cooperative Grant (PI: Solórzano, CC) 7/05 - 6/06

“Role of Sonic Hedgehog Signaling Pathway in Thyroid Cancer”

50% Effort

\$10,000 (no indirect cost)

Rush University, Chicago, IL

Creation of thyroid cancer cell lines 11/08 - 1/10

Evaluation of the role of Estrogen and GhRH in thyroid cancer

\$15,000 (private donation)

University of Miami, Miami, FL

1R01CA212147-01A1

Academic-Industry Partnership for the Translation
of a Novel Optical Imaging Approach to guide Endocrine Cancer Surgery 2018 - 2022

PI: Anita Mahadevan-Jensen PhD

SubPI: Carmen C. Solórzano 5% effort

Vanderbilt University Biophotonics Center and VUMC

Inventions/Patents

1. Invention entitled: “Near Infrared Autofluorescence detection system to guide abdominal endocrine surgeries” Invention date: November 2020.
2. Invention entitled: “Near infrared autofluorescence-based microfluidics to improve efficiency of islet cell transplantation” Invention date: November 2020.
3. Provisional application no. 63/144,602 – “Quantifying ICG Fluorescence To Assess Parathyroid Perfusion with a Fiber-Probe Based System and Applications of Same” – Patent Filed on February 2, 2021.
4. Invention entitled “Using Optical Fiber-Based Fluorescence Spectroscopy for Surgical Guidance and/or Tissue Diagnostics Using Exogenous Optical Contrast Agents”. The invention is a novel technique being applied using a commercially available device called PTeye, which is an optical fiber probe-based near infrared (NIR) fluorescence detection system. Invention date: February 22, 2021.

X. PUBLICATIONS

Juried or Refereed Journal Articles

1. **Solorzano CC**, Ksontini R, Pruitt JH, Hess PJ, Edwards PD, Kaibara A, Abouhamze A, Auffenberg T, Galardy RE, Vauthey JN, Copeland EM 3rd, Edwards CK 3rd, Lauwers GY, Clare-Salzler M, MacKay SL, Moldawer LL, Lazarus DD. Involvement of 26-kDa cell-associated TNF-alpha in experimental hepatitis and exacerbation of liver injury with a matrix metalloproteinase inhibitor. *J Immunol.* 1997 Jan 1;158(1):414-419. PMID: 8977217.
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86. Mannoh, EA, Thomas G, **Solorzano CC**, Mahadevan-Jansen A Intraoperative Detection of Parathyroid Gland Perfusion during Endocrine Surgeries, In: Advanced Biomedical and Clinical Diagnostic and Surgical Guidance. *Proceedings of the SPIE*. Vol. 10054, *BiOS*, 1005415 (2017); doi: 10.1117/12.2261890; (18 April 2017).
87. Kiernan CM, **Solórzano CC**. Utilization of External Beam Radiation in Differentiated Thyroid Cancer. Academic Surgical Congress. Las Vegas, NV, February 2017.
88. 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.
89. Burks M, **Solórzano CC**, Bao S. Robotic paraganglioma resection in a pregnant patient. ENDO, Orlando, FL 2017.
90. Mannoh EA, Thomas G, **Solórzano CC**, Mahadevan-Jansen A, “Evaluating the impact of parathyroid vascularity assessment with intraoperative laser speckle contrast imaging.”, 8th Biennial Congress of European Society of Endocrine Surgeons, Amsterdam, the Netherlands, May 2018. Poster.
91. Mannoh EA, Luo M, Thomas G, **Solórzano CC**, Mahadevan-Jansen A, “Parathyroid surgical guidance using a combined autofluorescence and laser speckle contrast imaging system”, Gordon Research Conference: Lasers in Medicine and Biology, Lewiston, ME, Jul 2018. Poster.
92. Prendergast KM, Marincola Smith P, Kiernan CM, Maithel SK, Prescott JD, Pawlik TM, Wang TS, Glenn J, Hatzaras I, Phay JE, Shirley LA, Fields RC, Weber SM, Sicklick JK, Yopp AC, Mansour JC, Duh Q, Levine EA, Poultsides GA, **Solorzano CC**. Features of Synchronous versus Metachronous Metastasectomy for Adrenal Cortical Carcinoma. 14th Annual Academic Surgical Congress, Houston, TX. February 2019.
93. Baechle JJ, Smith PM, Tan M, Bailey C, **Solorzano C**, Lopez-Aguilar AG, Dillhoff M, Beal EW, Poultsides G, Makris E, Rocha FG, Crown A, Cho C, Beems M, Winslow ER, Rendell VR, Krasnick BA, Fields R, Maithel SK, Idrees K. Specific Growth Rate as a Predictor of Survival in Pancreatic Neuroendocrine Tumors. 14th Annual Academic Surgical Congress, Houston, TX. February 2019.

Presentations at scientific meetings (oral or first author only) national and international

1. **Solórzano CC**, Kaibara A, Pruitt JH, Abouhamze A, Auffenberg T, MacKay SLD, Copeland EM 3rd, Moldawer, L. Mice lacking a functional IL-1 type I but not TNF type I receptor exhibit and attenuated acute phase response in acute inflammation. Eighty-Second Annual American College of Surgeons Clinical Congress, Surgical Forum, Chicago, IL, 1996.

2. **Solórzano CC**, Hess P, Clare-Salzler M, Galardy RE, Moldawer LL, Lazarus DD. Involvement of cell-associated TNF α in a model of experimental hepatitis. Sixth Annual International Congress on Tumor Necrosis Factors and Related Molecules, Rhodes, Greece, 1996.
3. **Solórzano CC**, Pruitt J, MacKay SLD, Copeland EM 3rd, Galardy RE, Schultz GP, Moldawer LL. Inhibition of TNF α processing by a matrix metalloprotease inhibitor abrogates endotoxin induced lethality. Sixteenth Annual Meeting of the Surgical Infection Society, Milwaukee, WI, 1996.
4. **Solórzano CC**, Lee JE, Pisters PWT, Jean M, Gagel RF, Hoff A, Ajani JA, Evans DB. Nonfunctioning islet cell carcinoma of the pancreas survival results in a contemporary series of 163 patients. Twenty-Second Annual Meeting of the American Association of Endocrine Surgeons, Atlanta, GA, 2001.
5. **Solórzano CC**, Baker CH, Bruns CJ, Ellis LM, Fidler IJ. Low dose IFN- α combined with gemcitabine produces apoptosis of tumor endothelial cells and decreases tumor growth in an orthotopic model of human pancreatic carcinoma. Fifty-Fourth Annual Cancer Symposium of the Society of Surgical Oncology, 2001.
6. **Solórzano CC**, Hunt KK, Middleton LP, Mirza N, Ross MI, Kuerer HM, Ames FC, Meric F, Singletary SE, Babiera G. Treatment and outcome of intracystic papillary carcinoma of the breast: a contemporary series. Third Annual Meeting of the American Society of Breast Surgeons, Boston, MA, 2002.
7. **Solórzano CC**, Ramirez MD, Carneiro DM, Lee T, Irvin GL 3rd. Surgeon-performed ultrasound in the management of thyroid malignancy. The Southeastern Surgical Congress, Atlanta, GA, 2004.
8. **Solórzano CC**, Mehdi, N, Irvin III, GL, Nadji, M. Down-regulation of ASC RNA and protein expression in papillary thyroid carcinoma is due to promoter methylation of ASC gene. The Society of Surgical Oncology, 2005.
9. **Solórzano CC**. Pheochromocytoma multisystem crisis. 27th Annual meeting of the AAES interesting case session, New York, NY, 2006.
10. **Solórzano CC**, Lew JI, Wilhelm S, Sumner W, Layton R, Huang W, Wu W, Sleeman D, Prinz RA. Outcomes of pheochromocytoma management in the laparoscopic era. The Society of Surgical Oncology, Washington, D.C., 2007.
11. **Solórzano CC**, Chen E, Ata A, DeCresce R, Prinz RA, Beyer T. A prospective evaluation of the effect of sample site on intraoperative parathyroid hormone monitoring during parathyroidectomy. Central Surgical Association, Cleveland, OH, 2008.
12. Smith JJ, Chen X, Schneider D, Broome JT, Sippel R, Chen H, **Solórzano CC**. Cancer after thyroidectomy: A multi-institutional experience with 1523 patients. Southern Surgical Association, Palm Beach, FL, 2012.

13. Kiernan CM, Parikh A, Parks L, **Solórzano CC**. Utilization of Radioiodine After Thyroid Lobectomy In Patients with Differentiated Thyroid Cancer: Does it Change Outcomes? Southern Surgical Association, Palm Beach, FL, 2014.

Invited Lecturer, Paper Discussant, Panel Lecture, Moderator

1. “Pancreatic insulinomas”. **Lecture**. Surgical Grand Rounds, University of Florida, Gainesville, FL, 1998.
2. “Castleman’s disease”. **Lecture**. Surgical Grand Rounds, UT MD Anderson Cancer Center, Houston, TX, November 2001.
3. “Management of nonfunctioning islet cell tumors of the pancreas”. **Lecture**. Surgical Grand Rounds, UT MD Anderson Cancer Center, Houston, TX, May 2002.
4. “Hyperparathyroidism: from a surgeon’s perspective”. **Lecture**. Nuclear Medicine Grand Rounds, University of Miami Jackson Memorial Medical Center, Miami, FL, May 2003.
5. “Islet cell tumors of the pancreas”. **Lecture**. General Surgery Grand Rounds, University of Miami Jackson Memorial Medical Center, Miami, FL, August 2003.
6. Nonfunctioning islet cell tumors/PPomas. General Session-51 “Abdominal Endocrine Surgery” **Invited Panel Member**. American College of Surgeons Annual Clinical Congress, October 2003.
7. “Thyroid Cancer”. **Lecture**. General Surgery Grand Rounds. Rush University Medical Center, Chicago, IL, June 2005.
8. “Interesting Case: Insulinoma” **Invited Discussant**. Medical Grand Rounds. Rush University Medical Center, Chicago, IL, July 2005.
9. “Incidence and location of ectopic parathyroids” **Invited Discussant**. The Midwest Surgical Association, August 2005.
10. “Pheochromocytoma from a surgeon’s perspective”. **Invited lecture**. Endocrinology Grand Rounds. Cook County Hospital, Chicago, IL, October 2005.
11. “The post-surgical management of thyroid cancer”. General Session-17 “Evaluation and Management of Thyroid Disease for the Surgeon” **Invited Panel member**. American College of Surgeons Annual Clinical Congress, October 2005.
12. “Changes in the surgical treatment of hyperparathyroidism”. **Invited lecture**. Otolaryngology Grand Rounds. Rush University Medical Center, Chicago, IL, February 2006.

13. “Surgical management of islet cell tumors of the pancreas”. **Invited lecture.** Endocrinology Grand Rounds. University of Illinois Chicago, IL, April 2006.
14. “The role of sonic hedgehog signaling pathway in thyroid cancer”. Rush/Cook Research Grant. **Invited lecture.** Rush Research Forum. Rush University Medical Center, Chicago, IL, April 2006.
15. “Pancreatic cancer: a surgeon’s perspective”. **Invited lecture.** Medical Grand Rounds Sisters of St. Francis Health Services, St. Margaret Mercy Hospital, Hammond, IN, June 2006.
16. “Extent of Lymph Node Dissection for Gastric Cancer”. **Invited lecture.** X Congreso de Cirujia Centroamerica y Panama. Managua, Nicaragua, September 2006.
17. “Thyroid Cancer”. **Invited lecture.** X Congreso de Cirujia Centroamerica y Panama. Managua, Nicaragua, September 2006.
18. “Thyroid Cancer”. **Lecture.** Sylvester Cancer Center, Deerfield Beach, FL, December 2006.
19. “Surgical Management of MEN Syndromes”. **Lecture.** General Surgery Grand Rounds, University of Miami Jackson Memorial Medical Center, Miami, FL, April 2007.
20. “The Adrenal Mass”. **Lecture.** Sylvester Cancer Center, Deerfield Beach, FL, March 2007.
21. Quick shot oral session Endocrine/Oncology/Outcomes. **Moderator.** 3rd Annual Academic Surgical Congress, Huntington Beach, CA, February 2008.
22. Papers session III, American Association of Endocrine Surgeons. **Moderator.** Monterey, CA, April 2008.
23. Workshop on primary hyperparathyroidism (Two sessions). **Invited Panel Member.** American Association of Clinical Endocrinologists. Orlando, FL, May 2008.
24. “Trends in adrenal surgery and adrenal cancer incidence and survival in the era of laparoscopic surgery”. **Invited discussant.** American College of Surgeons Quality, Outcomes and Costs II: Cancer, Endocrine, Vascular, October 2008.
25. “Papillary Thyroid Cancer”. **Lecture.** General Surgery Grand Rounds, University of Miami Department of Surgery, Miami, FL, January 2009.
26. “Parathyroid Surgery”. **Invited lecture (Profesor Magistral).** ECOS- American College of Surgeons: Capitulo Mexico, Mexico City, Mexico, February 18, 2009.
27. “Thyroid hormone replacement after thyroid lobectomy”. **Invited Discussant.** Central Surgical Association, 1st scientific session, Sarasota, FL, March 2009.

28. “Differentiated Thyroid Cancer”. **Visiting Professor and Grand Rounds**. Temple University, Philadelphia, PA, March 2009.
29. Young endocrine surgeon’s workshop CME- “How to get the right endocrine surgery job- Tips from the applicant point of view”. **Invited lecturer**. 30th Annual Meeting of the American Association of Endocrine Surgeons, Madison, WI, May 3, 2009.
30. “The primacy of surgery in cancer therapy: Thyroid Cancer”. **Invited lecturer**. Florida Chapter ACS. 56th Annual Scientific meeting, Palm Coast, FL, May 22, 2009.
31. “Thyroid and Parathyroid Ultrasound”-Lunch session. **Moderator**. International Association of Endocrine Surgeons, Adelaide, Australia, September 2009.
32. Presenting and submitting your research work. **Moderator**. Fundamentals of Surgical Research Course, Association for Academic Surgeons. Chicago, IL, October 2009.
33. “An optimal algorithm for intraoperative parathyroid hormone monitoring”. **Invited Discussant**. Western Surgical Association, 1st scientific session, San Antonio, TX, November 9, 2009.
34. Education Committee Session- Changes and Solutions in Resident Education in 2010”. **Organizer/Panel Moderator**. 5th Annual Academic Surgical Congress, San Antonio, TX, February 5, 2010.
35. Quick shot oral paper session VI- Endocrine/Oncology/Outcomes. **Moderator**. 5th Annual Academic Surgical Congress, San Antonio, TX, February 3, 2010.
36. Management of Adrenal disease- **Invited Panel Member**. Central Surgical Association, Chicago, IL, March 11, 2010.
37. “Management of Multiple Endocrine Neoplasia Syndromes”. **Lecture**. Hematology-Oncology-Fellows Seminar Series. Vanderbilt-Ingram Cancer Center, Nashville, TN, April 13, 2010.
38. “Surgical Management of Differentiated Thyroid Cancer”. **Lecture**. General Surgery Grand Rounds, Vanderbilt University, May 7, 2010.
39. “Surgical Management of Hyperparathyroidism”. **Lecture**. Endocrinology Grand Rounds, Vanderbilt University, May 25, 2010.
40. “Ligation vs. Reconstruction of the Soft Pancreatic Remnant”. **Invited Discussant**. Tennessee Chapter of the ACS, July 25, 2010.
41. Why be an academic surgeon? **Moderator**. 6th Annual Career Development Course, Association for Academic Surgeons. Washington, D.C., October 2, 2010.

42. “Low dicer expression correlates with aggressive features in thyroid cancer”. **Invited Discussant**. Surgical Forum, ACS, Washington, D.C., October 5, 2010.
43. “Thyroidectomy is Optimal Treatment for Graves’ Disease”. **Invited Discussant**. Southern Surgical Association, Palm Beach, FL, December 8, 2010.
44. Oncology oral paper session- Endocrine/Neuroendocrine Tumors. **Moderator**, 6th Annual Academic Surgical Congress, Huntington Beach, CA, February 3, 2011.
45. “Featured speaker: What is new in endocrine surgery”. **Invited Lecture**. Society of Surgical Oncology-Endocrine/Head and Neck parallel session. San Antonio, TX, March 4, 2011.
46. Surgical Management of Hyperparathyroidism. **Lecture**. 2nd Annual Woodward Society Spring Meeting-Department of Surgery, University of Florida, Gainesville, FL, March 18, 2011.
47. Surgical Training in the US: how it works and where it's going next? **Lecture**. Younger Fellows Forum of the Royal Australasian College of Surgeons. Adelaide, South Australia, April 30, 2011.
48. “Building a career pathway” **Moderator**. Royal Australasian College of Surgeons-Academic Section-Developing a Career in Academic Surgery Course. Adelaide, South Australia, May 2, 2011.
49. “Building a career pathway”. **Lecture**. Royal Australasian College of Surgeons-Academic Section-Developing a Career in Academic Surgery Course (DCAS). Adelaide, South Australia, May 2, 2011.
50. “The Bethesda system for reporting thyroid cytopathology”. **Lecture**. Royal Australasian College of Surgeons-Endocrine Section, Annual Scientific Congress, Adelaide, South Australia, May 5, 2011.
51. “Turning lemons into lemonade: How to benefit from hospital and university committee service”. **Lecture**. 7th Annual Career Development Course, Association for Academic Surgeons. San Francisco, CA, October 22, 2011.
52. Oncology oral paper session- Endocrine/Neuroendocrine Tumors. **Moderator**, 7th Annual Academic Surgical Congress, Las Vegas, NV, February 15, 2012.
53. Surgical management of Differentiated Thyroid Cancer. **Invited Lecture**. Puerto Rico Chapter of the American College of Surgery. San Juan, Puerto Rico, February 2012.
54. Surgical Management of the Incidental Adrenal Mass. **Invited Lecture**. Surgical Grand Rounds University of Puerto Rico School of Medicine, San Juan, Puerto Rico, February 2012.

55. Woodward Society Spring Meeting. **CME Course Director and Moderator**. Gainesville, FL, March 2012.
56. Surgical management of primary and metastatic pancreatic neuroendocrine tumors. **Invited Lecture**. Multidisciplinary management of diseases of the pancreas CME conference- Vanderbilt University, Nashville, TN, April 14, 2012.
57. The cancer liaison physician and the new commission on cancer standards. **Invited Lecture**. Cancer Forum. Tennessee Chapter of the American College of Surgeons, Chattanooga, TN, August 4, 2012.
58. Advances in Thyroid Surgery (Debate): Conventional vs. Minimally Invasive Approaches. **Invited Lecture**. American Thyroid Association, Clinical Debates. Quebec, Canada, September 20, 2012.
59. Oncology oral paper session II- Endocrine Tumors. **Moderator**, 8th Annual Academic Surgical Congress, New Orleans, LA, February 6, 2013.
60. Integrated Quick Shots Oncology V-Endocrine Tumors. **Moderator**, 8th Annual Academic Surgical Congress, New Orleans, LA, February 7, 2013.
61. Parathyroid Ultrasound. Exported ACS ultrasound course during the American Association of Endocrine Surgeons- **Invited Lecture**. April 13, 2013.
62. Oral paper session VI- **Moderator**, American Association of Endocrine Surgeons, Chicago, IL, April 15, 2013.
63. Surgical management of primary and metastatic pancreatic neuroendocrine tumors. **Invited Lecture**. Multidisciplinary management of diseases of the pancreas 2nd Annual CME conference, Vanderbilt University, Nashville, TN, April 20, 2013.
64. Endocrine clinical paper session. **Moderator**. American College of Surgeons, Washington, D.C., October 2013.
65. Surgical management of hyperparathyroidism: What is new and what remains the same. **Lecture**. Surgical Grand Rounds. Vanderbilt University Medical Center, January 24, 2014.
66. Integrated Quick Shots Oncology II-Endocrine Tumors. **Moderator**, 9th Annual Academic Surgical Congress, San Diego, CA, February 4, 2014.
67. Surgical management of hyperparathyroidism. **Visiting Professor**. Gundersen Health System, La Crosse, WI, February 11, 2014.
68. Association of Women's Surgeons. Kim Ephgrave Visiting Professor Program. The incidental adrenal mass. **Visiting Professor**. Gundersen Health System, La Crosse, WI, February 12, 2014.

69. MD Anderson Surgical Endocrinology Interesting Case Presentation Video Conference. **Expert Panelist.** Surgical Management of Secondary Hyperparathyroidism. March 10, 2014.
70. Endocrine parallel session. **Moderator.** Society of Surgical Oncology. Phoenix, AZ, March 2014.
71. Great debates in Endocrine Surgery. **Invited Lecture.** Asymptomatic hyperparathyroidism to observe or operate. Society of Surgical Oncology. Phoenix, AZ, March 2014.
72. Reflections on the surgical management of pheochromocytoma. **Visiting Professor.** Endocrine Grand Rounds, University of Wisconsin, Madison, WI, March 2014.
73. Reflections on the surgical management of pheochromocytoma. **Visiting Professor.** Baystate Medical Center, Springfield, MA, May 15, 2014.
74. Masters course in endocrine surgery. **Invited Lecture.** Papillary thyroid microcarcinoma. Duke University Medical Center, Durham, NC, September 5, 2014.
75. Masters course in endocrine surgery. **Invited Lecture.** Central neck dissection in papillary thyroid cancer. Duke University Medical Center, Durham, NC, September 5, 2014.
76. Management of thyroid nodules. **Meet the Expert Session.** American College of Surgeons San Francisco, CA, October 2014.
77. Surgical management of hyperparathyroidism. Invited Lecture. XVI Curso Intensivo Diabetes, Endocrinologia y Enfermedades Metabolicas. Miami, FL, December 11, 2014.
78. Controversies in Thyroid Cancer. **Moderator.** Society of Surgical Oncology. Houston, TX, March 26, 2015.
79. Overview of the Revised ATA Guidelines for the Management of Thyroid Nodules and Cancer. **Invited Lecture.** SAGES, Nashville, TN, April 15, 2015.
80. Plenary: Management of thyroid cancer cases. **Moderator.** Joint session AACE and AAES, Nashville, TN, May 17, 2015.
81. Endocrine Surgical Forum Session. **Moderator.** American College of Surgeons, Chicago, IL, October 2015.
82. Management of thyroid nodules. **Meet the Expert Session.** American College of Surgeons Chicago, IL, October 2015.
83. Surgical management of thyroid cancer. **Invited Lecture.** XVII AACE- Curso Intensivo Diabetes, Endocrinologia y Enfermedades Metabolicas. Miami, FL, December 10, 2015.
84. Indications for parathyroidectomy. **Workshop.** XVII AACE- Curso Intensivo Diabetes,

- Endocrinologia y Enfermedades Metabolicas. Miami, FL, December 10, 2015.
85. Ultrasound Applications and Techniques for Thyroid and Parathyroid Disease. **Invited Lecture**. Society of Surgical Oncology. Boston, MA, March 3, 2016.
 86. Ultrasound Applications and Techniques for Thyroid and Parathyroid Disease. Instructor. Hands on session. Society of Surgical Oncology. Boston, MA, March 3, 2016.
 87. Contemporary Management of Adrenal Neoplasm- **Moderator**. Society of Surgical Oncology. Boston, MA, March 4, 2016.
 88. Neuroendocrine Tumors: Current Controversies- **Moderator**. Society of Surgical Oncology. Boston, MA, March 5, 2016.
 89. The Limits of Surgery for Differentiated Thyroid Cancer. **Invited Lecture**. Brazilian Congress of Endocrinology and Metabolism 2016. Bahia, Brazil, September 22, 2016.
 90. Management of the Adrenal Mass: The Surgeon Perspective. **Invited Lecture**. Brazilian Congress of Endocrinology and Metabolism 2016. Bahia, Brazil, September 22, 2016.
 91. Management of the Functioning Adrenal Mass. **Moderator**. American College of Surgeons. Washington, DC. October 2016.
 92. How much Surgery for differentiated Pediatric Thyroid Cancer. **Invited Panelist Lecture**. American College of Surgeons. Washington, DC. October 2016.
 93. Management of Thyroid Cancer: when is Lobectomy Enough? **Invited Lecture**. American Association of Clinical Endocrinology. XVIII AACE- Curso Intensivo Diabetes, Endocrinologia y Enfermedades Metabolicas. Miami, FL, December 8, 2016.
 94. Controversies in the Management of Thyroid Cancer. **Invited Lecture**. American Association of Clinical Endocrinologist. Southern States Chapter Meeting. Memphis, TN, February 11, 2017.
 95. Changes in the Management of Thyroid Neoplasms: The Role of Molecular Testing. **Invited Lecture**. Southeastern Surgical Congress Meeting. Nashville, TN, February 25, 2017.
 96. Management of the adrenal mass in the setting of MEN 1 and 2. **Lecture**. AMEN patient and family seminar. Vanderbilt University Medical Center. February 4, 2017.
 97. ENDO Advanced thyroid and parathyroid ultrasound course. **Invited Lecture**. Ultrasound for parathyroid localization. ENDO 2017, Orlando, FL. March 31, 2017.
 98. ENDO Advanced thyroid and parathyroid ultrasound course. **Proctor**. Hands on station on ultrasound guided needle biopsy of thyroid nodules. ENDO 2017, Orlando, FL. March 31, 2017.

99. The incidentaloma and the role of the gland surgeon. **Surgical Grand Rounds Lecture.** Vanderbilt Surgical grand rounds. Nashville, TN, May 26, 2017.
100. Triggers for reoperation in differentiated thyroid cancer. Invited Lecture. Chester Ridgway Trainee Conference at the American Thyroid Association. Victoria, Canada, October, 2017.
101. Update on the New AAES guidelines for the definitive management of hyperparathyroidism. **Invited Panelist Lecture.** American College of Surgeons Clinical Congress. San Diego, CA, October, 2017.
102. Molecular Testing for Thyroid Nodules. **Invited Panelist Lecture.** Hot Topics in General Surgery, American College of Surgeons Clinical Congress. San Diego, CA, October, 2017.
103. Adult Cancers in Pediatric Patients. **Moderator of Panel Session.** American College of Surgeons Clinical Congress. San Diego, CA, October, 2017.
104. Surgical Management of Medullary Thyroid Cancer. **Invited Lecture.** AACE. XVIII AACE- Curso Intensivo Diabetes, Endocrinología y Enfermedades Metabólicas. Miami, FL, December 7, 2017.
105. Management of Neuroendocrine Tumors: **Invited Panelist.** AACE. XVIII AACE- Curso Intensivo Diabetes, Endocrinología y Enfermedades Metabólicas. Miami, FL, December 7, 2016.
106. Thyroid lobectomy vs. total thyroidectomy. **Invited Panelist.** American Thyroid Association Spring Symposia. Chicago, IL, March 2018.
107. Management of the adrenal mass: Emphasis of Adrenocortical Carcinoma. **Visiting Professor.** General Surgery Grand Rounds, Rush University. Chicago, IL, August 2018.
108. Reoperation in differentiated thyroid cancer. **Invited Lecture.** Chester Ridgway Trainee Conference at the American Thyroid Association. Washington DC, October, 2018.
109. Postgraduate Course- Cutting Edge Endocrine Surgery. **Invited Panelist.** American College of Surgeons Clinical Congress. Boston, MA, October, 2018.
110. Surgical Management of Parathyroid with Emphasis on the New Guidelines of the American Endocrine Association. **Invited Lecture (CME).** American Association of Clinical Endocrinology. XX AACE - Curso Intensivo De Diabetes, Endocrinología y Enfermedades Metabólicas. Miami, FL, December 13, 2018.
111. Incidental Adrenal Mass: Diagnosis and Surgical Management. **Invited Lecture (CME).** American Association of Clinical Endocrinology. XX AACE - Curso Intensivo De Diabetes, Endocrinología y Enfermedades Metabólicas. Miami, FL, December 13, 2018.
112. Thyroid Nodules: Presentation of Clinical Cases. **Workshop (CME).** American

- Association of Clinical Endocrinology. XX AACE - Curso Intensivo De Diabetes, Endocrinología y Enfermedades Metabólicas. Miami, FL, December 13, 2018.
113. Clinical Burden of Over-Treatment of Thyroid Cancer. **Invited Lecture.** In Panel Session, Thyroid Cancer: An Over-Treated Malignancy. Society of Surgical Oncology. San Diego, CA, March 28, 2019.
 114. Benign Thyroid & DTC. **Panelist.** The 2019 Endocrine Surgery University presented by the American Association of Endocrine Surgeons, Los Angeles, CA, April 5, 2019.
 115. Adrenal Tumors. **Panelist.** The 2019 Endocrine Surgery University presented by the American Association of Endocrine Surgeons, Los Angeles, CA, April 5, 2019.
 116. Pancreas/GI Neuroendocrine. **Moderator.** The 2019 Endocrine Surgery University presented by the American Association of Endocrine Surgeons, Los Angeles, CA, April 6, 2019.
 117. Interesting Cases Session. **Invited Panelist.** American Association of Endocrine Surgeons 2019 Annual Meeting. Los Angeles, CA, April 9, 2019.
 118. Endocrine Surgery. Paper #12. **Discussant.** 48th World Congress of Surgery. Krakow, Poland. August 12, 2019
 119. Surgical Considerations in the Management of Thyroid Cancer: **Invited Lecture.** American Association of Clinical Endocrinologist. Davidson Mestman XXI- Curso Intensivo Diabetes, Endocrinología y Enfermedades Metabólicas. Miami, FL, December 11, 2019.
 120. Contemporary Surgical Management of Pheochromocytoma and Paraganglioma. **Invited Lecture.** Davidson Mestman XXI-Curso Intensivo Diabetes, Endocrinología y Enfermedades Metabólicas. Miami, FL, December 12, 2019.
 121. 5th NY Masters Course in Comprehensive Endocrine Surgery. **Invited Lecture.** Parathyroid identification: is autofluorescence a game changer? Icahn School of Medicine at Mount Sinai, New York, NY, December 13, 2019.
 122. 5th NY Masters Course in Comprehensive Endocrine Surgery. **Invited Moderator.** Challenges. Icahn School of Medicine at Mount Sinai, New York, NY, December 13, 2019.
 123. 2nd Symposium on Parathyroid Fluorescence. **Invited Moderator.** Methodology for Label-free Parathyroid Detection, Lausanne Switzerland, February 26-28, 2020.
 124. 2nd Symposium on Parathyroid Fluorescence. **Invited Speaker.** Preliminary impressions of the PTeye and design of a multi-center outcome study, Lausanne Switzerland, February 26-28, 2020.
 125. Intraoperative Localization: Highlight Fluorescence. **Invited Lecturer and Panelist.** Panel

- Session 332 - Bilateral Neck Exploration vs. Image-Guided Parathyroid Surgery: The State of the Art. American College of Surgeons Clinical Congress. Virtual, October 7, 2020.
126. Inside the Operating Room. **Invited Speaker.** Latino Surgical Society. Webinar, October 14, 2020.
 127. Pancreatic Neuroendocrine Tumors. **Invited Panelist.** American Association of Endocrine Surgeons. Webinar. November 9, 2020.
 128. 3rd Symposium on Parathyroid Fluorescence. **Invited Speaker.** Quantifying ICG fluorescence with probe-based system. Virtual, February 25, 2021.
 129. 3rd Symposium on Parathyroid Fluorescence. **Invited Speaker.** Probe-based autofluorescence on thyroidectomy and parathyroidectomy. Virtual, February 25, 2021.
 130. IAES State of the Art Lecture #2 “The Use of Fluorescence in Endocrine Surgery”. **Invited Key Note Lecturer.** IAES/ISS Virtual Meeting. August 31, 2021.
 131. Louisville Surgical Society Meeting. **Invited Speaker.** Louisville, KY, September 9, 2021.
 132. Lectureship at Surgery Grand Rounds. **Invited Lecturer.** University of Louisville, Louisville, KY, September 10, 2021.
 133. Royal Australasian College of Surgeons (RACS) 2022 Annual Scientific Congress (ASC). Brisbane, Australia. May 2-6, 2022.