

**Mark Armin Lupo, M.D.**

- Specialty:** Adult Thyroid and Endocrinology  
Practice Limited to Thyroid and Parathyroid Disorders
- Practice:** Mark A. Lupo, M.D. P.A.  
Thyroid & Endocrine Center of Florida (founded in 2003)  
3050 Bee Ridge Road  
Sarasota, Florida 34239  
(941) 342-9750  
(941) 342-9788 (fax)
- Website:** www.thyroidflorida.com
- Hospital Affiliation:** Sarasota Memorial Hospital  
1700 South Tamiami Trail  
Sarasota, Florida 34239
- Medical Training:** Fellowship in Endocrinology, Metabolism and Nutrition  
University of California San Diego, California  
July 1, 2000 to June 30, 2001  
Scripps Clinic, La Jolla, California  
July 1, 2001 to June 30, 2002  
  
Internship and Residency in Internal Medicine, University of Florida  
Gainesville, Florida  
July 1997 to June 2000
- Education:** M.D., University of Florida College of Medicine      B.A., Duke University  
Gainesville, Florida      Durham, North Carolina  
August 1993 to May 1997      Major: Comparative Area Studies  
September 1988 to May 1992
- Professional:** Diplomate, ABIM, Endocrinology, Diabetes and Metabolism, 2002; Maintaining Certification  
Diplomate, ABIM, Internal Medicine, 2000; Maintaining Certification  
Fellow, American College of Endocrinology, 2004  
Advanced Endocrine Neck Ultrasound Master Course, June 2005  
Endocrine Certification Neck Ultrasound, 2009  
American Institute of Ultrasound in Medicine, Facility Accreditation 2010-present
- Teaching Activities:** Faculty/Co-Chair: AACE Thyroid Cancer and Neck Ultrasound Courses (2010-2019)  
Annual Ultrasound Workshop Instructor: Endocrine Society (2012-2019) and ATA (ongoing)  
ACE Endocrine University Program Co-Chair and Faculty  
Mayo Clinic, Rochester MN, March 2009-2019  
New Jersey Endocrine Association Ultrasound Course, 2022, 2023, 2024, 2025 - Faculty  
Clinical Assistant Professor, Florida State University, College of Medicine
- Organizations:** Academy of Clinical Thyroidologists, President 2008-2009; Secretary 2009-2024  
American Association of Clinical Endocrinology (AACE) Board of Directors 2014-2020.  
American Thyroid Association (ATA)  
The Endocrine Society  
Florida Endocrine Association, Board Member 2024-2027  
American Institute of Ultrasound in Medicine (AIUM)  
American Mensa Society, Life Member
- Committees/Service:** Vice-Chair, AACE Neck Ultrasound Certifying Committee, 2013-2015

Deputy Chair, AACE Thyroid Education Committee, 2015-2019  
 Member, ATA, Development Committee 2020-present  
 Member, AIUM Ultrasound Practice Accreditation Committee, 2018-2023  
 Member, AACE Thyroid Nodule Task Force, 2017-2020  
 Member, International Thyroid Nodule Working Group, 2018-2019  
 Chair, AACE Educational Services Committee, 2015-2017  
 Member, AACE Thyroid Scientific Committee, 2014-2017  
 Member, ATA, Clinical Affairs Committee, 2008-2012  
 Member, ATA, Publications Committee, 2015-2018  
 Member, ACE Nuclear Medicine Certifying Board, 2005-2013  
 Radiation Safety Committee, Doctors Hospital of Sarasota, 2012-2015  
 Member, Sarasota Memorial Hospital PHO Board, 2022-2024

#### **Research:**

Clinical Investigator for Veracyte: Thyroid FNA Gene Expression Classifier Validation Study  
 Clinical Investigator for Diagnostic Hybrids: TBI Assay in Pregnancy Associated Hypothyroidism  
 Clinical Investigator for Roche Diagnostics: Calcitonin Assay Development  
 Clinical Investigator for Asuragen: Asuragen Thyroid Study  
 Clinical Investigator for Pathway Genomics: Liquid Biopsy of Thyroid Nodules  
 Clinical Investigator for Rosetta Genomics: Clinical Validation Study  
 Clinical Investigator for GE: Ultrasound User Beta Testing  
 Clinical Investigator for University of Arkansas Canine Thyroid Cancer Detection Program  
 Clinical Investigator for Roche Diagnostics: Thyroglobulin II Assay Validation  
 Principle Investigator for Quidel: TSH-R-Ab Assay Comparison Study  
 Clinical Investigator for Interpace Thyroid Nodule Molecular Marker Validation Study  
 Clinical Investigator for Paradigm – Registry Study on Hypoparathyroidism  
 Clinical Investigator for Roche Diagnostics: Autoimmune/TPO-Ab Assay Validation  
 Principle Investigator for OrthoQuidel: Turbo TSI Assay Validation

#### **Awards:**

American College of Endocrinology, H Jack Baskin Endocrine Teaching Award, May 2017 –  
 (National award given once a year to an endocrinologist for excellence in teaching)

#### **Publications:**

**Lupo MA**, Olivo PD, Luffy M, Wolf J, and Kahaly GJ. US-Based, Prospective, Blinded Study of Thyrotropin Receptor Antibody in Autoimmune Thyroid Disease. The Journal of Clinical Endocrinology & Metabolism. Volume 110, Issue 5, May 2025, e1619-e1624.

Jennifer A Sipos Joseph Aloï, Andrew Gianoukakis, Stephanie L Lee, Joshua P Klopfer, Jacqueline T Kung, **Mark A Lupo**, David Morgenstern, Cristina Prat-Knoll, Andre Schuetzenmeister, Whitney S Goldner. Thyroglobulin Cutoff Values for Detecting Excellent Response to Therapy in Patients With Differentiated Thyroid Cancer. Journal of the Endocrine Society, Volume 7, Issue 9, September 2023.

Sydney D Finkelstein, John W Sistrunk, Carl Malchoff 3, Diane V Thompson, Gyanendra Kumar, Venkata Arun Timmaraju, Brittany Repko, Alidad Mireskandari, Lisa Ann Evoy-Goodman, Nicole A Massoll, **Mark A Lupo**. A Retrospective Evaluation of the Diagnostic Performance of an Interdependent Pairwise MicroRNA Expression Analysis with a Mutation Panel in Indeterminate Thyroid Nodules. Thyroid. 2022 Nov;32(11):1362-1371

Orloff LA, Noel JE, Stack BC Jr, Russell MD, Angelos P, Baek JH, BrumundKT, Chiang FY, Cunnane MB, Davies L, Frasoldati A, Feng AY, Hegedüs L, Iwata AJ, Kandil E, Kuo J, Lombardi C, **Lupo M**, Maia AL, McIver B, Na DG, Novizio R, Papini E\_Patel KN, Rangel L, Russell JO, Shin J, Shindo M, Shonka DC Jr, Karcioğlu AS, Sinclair C, Singer M, Spiezia S, Steck JH, Steward D, Tae K, Tolley N, Valcavi R, Tufano RP, Tuttle RM, Volpi E, Wu CW, Randolph GW. Radiofrequency Ablation and Related Ultrasound-Guided Ablation Technologies for Treatment of Benign and Malignant Thyroid Disease: An International Multidisciplinary Consensus Statement of the American Head and Neck Society Endocrine Surgery Section with the Asia Pacific Society of Thyroid Surgery, Associazione Medici Endocrinologi, British Association of Endocrine and Thyroid Surgeons, European Thyroid Association, Italian Society of Endocrine Surgery Units, Korean Society of Thyroid Radiology, Latin American Thyroid Society, and

Thyroid Nodules Therapies Association. *Head Neck* 2022 Mar;44(3):633-660. doi: 10.1002/hed.26960. Epub 2021 Dec 23

Jeffrey R. Garber, Enrico Papini, Andrea Frasoldati, MD; **Mark A. Lupo, MD**, R. Mack Harrell, Sareh Parangi, Vivek Patkar, Zubair W. Baloch, MD, Rachel Pessah-Pollack, Laszlo Hegedus, Anna Crescenzi, Carrie C. Lubitz, Ralf Paschke, Gregory W. Randolph,; Rinaldo Guglielmi, Celestino P. Lombardi, Hossein Gharib. American Association of Clinical Endocrinology and Associazione Medici Endocrinologi Thyroid Nodule Algorithmic Tool. *Endocrine Practice*. 2021 July; 27 (7); 649-660

**Lupo M**, Walts AE, Sistrunk JW, Giordano TJ, Sadow PM, Massoll N, Campbell R, Jackson SA, Toney N, Narick CM, Kumar G, Mireskandari A, Finkelstein SD, Bose S. Multiplatform Molecular Test Performance in Indeterminate Thyroid Nodules. *Diagnostic Cytopathology*. 2020 Dec; 48(12): 1254-1264.

Piotrowska, K and **Lupo, M**. Reverse T3 Dilemma. In: McDermott, M (ed). *Management of Patients with Pseudo-Endocrine Disorders*. New York, New York. Springer 2019. p. 291-300.

Twining C, **Lupo M**, Tuttle RM. Implementing Key Changes in the American Thyroid Association 2015 Thyroid Nodules/Differentiated Thyroid Cancer Guidelines Across Practice Types. *Endocrine Practice*. 2018 Sep;24(9):833-840.

Nabhan F, Porter K, **Lupo M**, Randolph GW, Patel KN, Kloos RT. Heterogeneity in PPV of RAS Mutations in Cytologically Indeterminate Thyroid Nodules. *Thyroid*. 2018 Jun;28(6):729-738.

**Lupo M**, Guttler R, Geck Z, Tonozzi TR, Kammesheidt A, Braunstein GD. IS MEASUREMENT OF CIRCULATING TUMOR DNA OF DIAGNOSTIC USE IN PATIENTS WITH THYROID NODULES? *Endocrine Practice*. 2018 May;24(5):453-45.

**Lupo, M** and Duick, D. Ultrasound Guided Fine Needle Biopsy of Thyroid Nodules. In: Duick, D., Levine R., & **Lupo, M**. (Eds). *Thyroid and Parathyroid Ultrasound and Ultrasound guided FNA*. 4<sup>th</sup> Edition. New York, New York. Springer. 2017. p. 359-388.

Duick, D., Levine R., & **Lupo, M**. (Eds). *Thyroid and Parathyroid Ultrasound and Ultrasound guided FNA*. 4<sup>th</sup> Edition. New York, New York. Springer. 2017.

Kahaly GJ, Algeciras-Schimnich A, Davis TE, Diana T, Feldkamp J, Karger S, König J, **Lupo MA**, Raue F, Ringel MD, Sipos JA, Kratzsch J. United States and European Multicenter Prospective Study for the Analytical Performance and Clinical Validation of a Novel Sensitive Fully Automated Immunoassay for Calcitonin. *Clinical Chemistry*. 2017 Sep; 63 (9):1489-1496

**Lupo, M**. Pattern Recognition: Diffuse Thyroid Disease. In: Milas M, Mandel S, Langer J, eds. *Advanced Thyroid and Parathyroid Ultrasound*. New York, New York. Springer; 2017. p. 153-172.

Likhterov I, Tuttle RM, Haser GC, Su HK, Bergman D, Alon EE, Bernet V, Brett E, Cobin R, Dewey EH, Doherty G, Dos Reis LL, Klopper J, Lee SL, **Lupo M**, Machac J, Mechanick JI, Milas M, Orloff L, Randolph G, Ross DS, Rowe ME, Smallridge R, Terris D, Tufano RP, Urken ML. Improving the adoption of thyroid cancer clinical practice guidelines. *Laryngoscope*. 2016 Nov;126(11):2640-2645

Haser GC, Tuttle RM, Su HK, Alon EE, Bergman D, Bernet V, Brett E, Cobin R, Dewey EH, Doherty G, Dos Reis LL, Harris J, Klopper J, Lee S, Levine RA, Lepore SJ, Likhterov I, **Lupo M**, Machac J, Mandel SJ, Mechanick JI, Mehra S, Milas M, Orloff L, Randolph G, Revenson TA, Roberts KJ, Ross DS, Rowe ME, Smallridge R, Terris D, Tufano RP, Urken ML. Active Surveillance for Papillary Thyroid Microcarcinoma: New Challenges and Opportunities for the Health Care System. *Endocrine Practice*. 2016 May; 22(5) 602-11

Mechanick JI, Harrell RM, Allende-Vigo MZ, Alvayero C, Arita-Melzer O, Aschner P, Camacho PM, Castillo RZ, Cerdas S, Coutinho WF, Davidson JA, Garber JR, Garvey WT, González FJ, Granados DO, Hamdy O, Handelsman Y, Jiménez-Navarrete MF, **Lupo M**, Mendoza EJ, Jiménez-Montero JG, Zangeneh F. TRANSCULTURALIZATION RECOMMENDATIONS FOR DEVELOPING LATIN AMERICAN CLINICAL PRACTICE ALGORITHMS IN ENDOCRINOLOGY--PROCEEDINGS OF THE 2015 PAN-AMERICAN WORKSHOP BY THE AMERICAN ASSOCIATION OF CLINICAL ENDOCRINOLOGISTS AND AMERICAN COLLEGE OF ENDOCRINOLOGY. *Endocr Pract.* 2016 Apr;22(4):476-501

**Lupo, M.** “Radiofrequency for Benign Thyroid Nodules – A Look Towards the Future of Interventional Thyroidology.” *Endocrine Practice.* August 2015, 21(8):972-4

Labourier E, Shifrin A, Busseniers A, **Lupo M**, Manganelli M, Andruss B, Wylie D, Beaudenon-Huibregtse S. “Molecular testing for miRNA, mRNA and DNA on fine needle aspiration improves the preoperative diagnosis of thyroid nodules with indeterminate cytology” *JCEM* July 2015; 100(7):2743-50

Mehra S, Tuttle RM, Milas M, Orloff L, Bergman D, Bernet V, Brett E, Cobin R, Doherty G, Judson BL, Klopper J, Lee S, **Lupo M**, Machac J, Mechanick JI, Randolph G, Ross DS, Smallridge R, Terris D, Tufano R, Alon E, Clain J, DosReis L, Scherl S, Urken ML. “Database and registry research in thyroid cancer: striving for a new and improved national thyroid cancer database.” *Thyroid.* 2015 Feb;25(2):157-68

HK, Dos Reis LL, **Lupo M**, Milas M, Orloff LA, Langer JE, Brett EM, Kazam E, Lee SL, Minkowitz G, Alpert EH, Dewey EH, Urken ML. “Striving Toward Standardization of Reporting of Ultrasound Features of Thyroid Nodules and Lymph Nodes: A Multidisciplinary Consensus Statement.” *Thyroid.* 2014 Sep;24(9):1341-9

Dos Reis LL, Tuttle RM Md, Alon E, Bergman DA, Bernet V, Brett EM, Cobin R, Doherty G, Harris JR, Klopper J, Lee SL, **Lupo M**, Milas M, Machac J, Mechanick JI, Orloff LA, Randolph G, Ross DS, Smallridge RC, Terris DJ, Tufano RP, Mehra S, Scherl S, Clain JB, Urken ML. “What is the “Gold Standard” for comprehensive inter-institutional communication of perioperative information for thyroid cancer patients? A comparison of existing electronic health records with the current ATA recommendations.” *Thyroid.* 2014 Oct;24(10):1466-72.

**Lupo, M.** “Thyroid Nodule Evaluation: US-FNA and On-Site Cytology Assessment.” *Endocrine Practice* July-August 2013; 19(4), 732-4.

**Lupo, M**, Levine, R. Ultrasound of Diffuse Thyroid Enlargement: Thyroiditis. In: Duick D, Baskin HJ, Levine L, eds. *Thyroid Ultrasound and Ultrasound-Guided FNA*, 3<sup>rd</sup> Edition. New York, New York. Springer; 2013. p. 99-125.

Walsh PS, Wilde JI, Tom EY, Reynolds JD, Chen DC, Chudova DI, Pagan M, Pankratz DG, Wong M, Veitch J, Friedman L, Monroe R, Steward DL, **Lupo M**, Lanman RB, Kennedy GC. “Analytical Performance Verification of a Molecular Diagnostic for Cytology-Indeterminate Thyroid Nodules.” *Journal of Clinical Endocrinology and Metabolism.* December 2012.

Kahaly, J, Grebe, S, **Lupo, M**, McDonald N, Sipos J. “Graves’ Disease: Diagnostic and Therapeutic Challenges.” *The American Journal of Medicine.* Volume 124 (6); June 2011

#### Abstracts:

**Lupo, M** and Kahaly, GJ. Prospective, Blinded, Multicenter Head-to-Head Clinical Comparison of Two “TSI” Assays in Patients with Autoimmune Thyroid Disease. *ENDO* 2022

Rodriguez, L, Lu, J, **Lupo M**. Comparing Performance of Thyroseq V2 and V3 in the Interpretation of Predominantly Hürthle Cell Neoplasms: A Practice’s Experience. *ATA* 2021.

**Lupo M**, Lu, J. Malignancy Risk in RAS-Mutated Cytologically Indeterminate Thyroid Nodules: Real-World Clinical Experience. ENDO 2021.

Meyreles-Chaljub G, Bell C, Hernandez Prera J, Clayman G, **Lupo M**, Tarasova V. Anaplastic Transformation of Tall Cell Variant Papillary Thyroid Cancer in a Recurrent Lymph Node 28 years after Total Thyroidectomy. AACE 2019 Annual Meeting.

**Lupo M**, Lu W and Piotrowska K: “Thyroid Ultrasound Risk Categorization Using ACR TI-RADS and ATA Classification in Cytologically Indeterminate Nodules With Surgical Diagnosis”. Oral Abstract, AIUM 2019 Annual Meeting.

Kloos, R, **Lupo M**, Sindy N, Hanna, J, Haroldson, J, Barth N. “Systematic Review of the Positive Predictive Value of RAS Mutations in Cytologically Indeterminate Thyroid Nodules”. Selected for Oral Abstract (presented by Lupo, M) for the AACE 25<sup>th</sup> Annual Meeting, May 2016

Truong, K, **Lupo M**. “Mode of Thyroid Nodule Discovery and Risk of Malignancy”. American Thyroid Association 83rd Annual Meeting. Abstract 76. October 2013

Norman, J, Politz, D, **Lupo, M**. “Minimally Invasive Radioguided Selective Thyroidectomy for Toxic Nodular Thyroid.” Abstract, Endocrine Society, 2008.

**Lupo, M**. et al. “A Case of Amiodarone Induced Thyrotoxicosis Complicated by Iodinated Contrast Exposure.” Abstract, Endocrine Society 2002

### **Presentations:**

“Mild Thyroid Eye Disease – Endocrinologist’s Perspective”  
Invited Speaker, Innovate TED – April 2024, Napa Valley CA

“Quality of Life in Thyroid Cancer”  
Invited Speaker, Thyroid Surgery Meeting, Tampa FL November 2023

“Thyroidology Practice Set-up”  
Invited Speaker, American Thyroid Association 2008 Annual Meeting  
Chicago, IL October 2008

“Clinical Management of Thyroid Nodules – The 2007 NCI Consensus Statement” &  
“Ultrasound of Lymph Nodes in Thyroid Cancer Management”  
Invited Speaker, American Society of Cytopathology 2008 Annual meeting  
Orlando, FL November 2008

AACE Ultrasound & Ultrasound FNA Course Faculty & Programming Committee  
July 2008-May 2019

“Neck Ultrasound and FNA” Workshop Co-Director  
Invited Speaker, American Society of Cytopathology 2009 meeting  
Denver, CO November 2009  
Invited Speaker, American Society of Cytopathology 2010 meeting  
Boston, MA, November 2010

“Thyroid Nodules & Cancer – Review & Update”  
Sarasota Memorial Hospital Grand Rounds, November 2009

“Thyroid Nodules & Cancer – Less is More”

Invited Speaker, Institute for Human and Machine Cognition  
Ocala, FL, April 2017

“Active Surveillance for Low Risk Thyroid Cancer – in the USA”

Invited Speaker, Korean Society for Ultrasound in Medicine  
Seoul, Korea. May 2019

Co-Directory, Neck Ultrasound Workshop

World Congress Thyroid Cancer  
Rome, Italy. June 2019

Society of Puerto Rico Endocrinologists Annual Meeting

Invited Speaker. “Evaluation and Management of Thyroid Nodules”  
San Juan, Puerto Rico. December 2019

AACE Advances in Thyroid Cancer

Course Co-Director and Speaker  
Tampa, Florida, January 2015, 2017 and 2019  
Tempe, Arizona, January 2016 and January 2018

AACE 25<sup>th</sup> Annual Meeting

Moderator and Speaker  
Comprehensive Approach to Clinical Thyroidology  
Orlando, FL, May 2016

AACE Pan-American Endocrinology Conference 2015

Programming Committee and Speaker  
San Jose, Costa Rica, February 2015

AACE Gulf States Chapter Ultrasound Course Instructor

Dubai, UAE, October 2015

“Thyroid Nodule Evaluation”

Invited Speaker, Brown University Division of Endocrinology Grand Rounds  
Providence, RI, October 2016

“Ultrasound Pattern Recognition of Diffuse Thyroid Disease”

Invited Speaker, American College of Surgery Annual Meeting  
Washington, DC, October 2016

“Ultrasound Pattern Recognition of Diffuse Thyroid Disease and Nodules”

Invited Speaker, The Endocrine Society Advanced Ultrasound Course  
Orlando, FL, March 2017 and Chicago, March 2018  
Invited Speaker, American Thyroid Association Advanced Ultrasound Course  
Washington, DC, October 2018,  
Chicago, IL, October 2019.

“Ultrasound and FNA in the Evaluation of Thyroid Nodules”

Invited Speaker, Carolinas Chapter of AACE  
Asheville, NC September 2011

“Thyroid Nodule Evaluation”

Invited Speaker, Southern States Chapter of AACE  
Birmingham, AL, February 2015

“Thyroid Nodule Update”

Invited Speaker, Texas Chapter of AACE  
Austin, TX August 2015

AACE Advanced Ultrasound Course - Faculty/Co-Director  
Boston, MA September 2011; Nashville, TN April 2012;  
Salt Lake City, UT August 2012; San Antonio, TX April 2014; Chicago June 2015;  
Dallas April 2016

“Thyroid Nodules and Office Based FNA Procedures”  
Invited Speaker, Ear Research Foundation Annual Meeting  
Longboat Key, FL March 2012, 2013, 2014

“Ultrasound in Clinical Thyroidology”  
Invited Speaker, AACE Annual Meeting 2012  
Philadelphia, PA May 2012

“Ultrasound Evaluation of Diffuse Thyroid Disease”  
Invited Speaker, ATA/AACE Ultrasound Course  
Quebec City, Quebec September 2012  
San Juan, Puerto Rico, October 2013

“Thyroid Nodule Ultrasound Guided FNA Technique”  
Invited Speaker, AACE Thyroid Cancer Advances  
Tempe, AZ January 2013 and January 2014

“Thyroid Nodule Guideline Review and Office-based Thyroidology”  
Invited Speaker, AACE Annual Meeting, Thyroid Special Session  
Phoenix, AZ May 2013

“The Latest in Thyroid Disease Management”  
Invited Speaker, Wyoming State Medical Society Annual Meeting  
Laramie, WY June 2013

“Thyroid Nodule Evaluation”  
Invited Speaker, University of Florida Division of Endocrinology Grand Rounds  
Gainesville, FL August 2013

“Thyroid Nodule Ultrasound Features and Guidelines Review”  
“Indeterminate Thyroid Nodule: Doppler, Elastography and Molecular Markers”:  
Invited Speaker, AACE/AIUM Course: The Thyroid and Beyond  
Las Vegas, NV September 2013

“Thyroid Nodule Evaluation and Management”  
Jordan AACE Chapter Meeting  
Amman, Jordan December 2013

“Molecular Markers in Thyroid Practice” – Meet the Expert Speaker  
“Controversies in Autoimmune Thyroid Disease” – Moderator/Speaker  
AACE Annual Meeting  
Los Angeles, CA. April 2019

“Thyroid Nodule Evaluation: Ultrasound and Molecular” – Invited Speaker  
Florida AACE Chapter Meeting  
Orlando, FL August 2019

“Approach to Autoimmune Thyroid Disease” – Invited Speaker  
Florida Endocrine Association  
St. Pete, FL July 2021

“Approach to Autoimmune Thyroid Disease” – Invited Speaker  
Puerto Rico Endocrine Society

San Juan, PR, December 2021

**Reviewer for Journals:** Thyroid, Endocrine Practice, Journal of Clinical Endocrinology & Metabolism,  
Diagnostic Cytopathology, The Laryngoscope

**Personal:** Born March 16, 1970 in Tampa, Florida